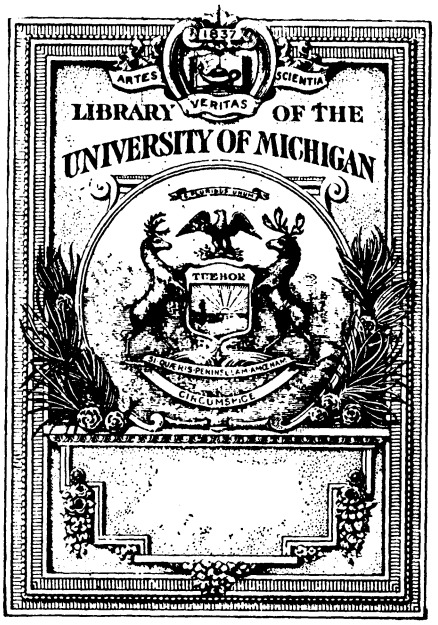
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DEPARTMENT OF THE INTERIOR

Philippine Islands WEATHER BUREAU

REV. JOSÉ ALGUÉ, S. J., DIRECTOR

ANNUAL REPORT OF THE WEATHER BUREAU

FOR THE YEAR 1911

PART I

WORK OF THE BUREAU DURING THE FISCAL YEAR ENDED JUNE 30, 1911

PART II

HOURLY METEOROLOGICAL OBSERVATIONS MADE AT THE CENTRAL OBSERVATORY OF MANILA DURING THE CALENDER YEAR 1911

MANILA
BUREAU OF PRINTING
1914

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PART I.

WORK OF THE BUREAU DURING THE FISCAL YEAR ENDED JUNE 30, 1911.

WORK OF THE WEATHER BUREAU DURING THE FISCAL YEAR ENDED JUNE 30, 1911.

I. MANILA CENTRAL OBSERVATORY.

1. WORK OF THE CENTRAL OBSERVATORY.

(*a*) **Meteorological department.**—Comparatively little has to be said of the special work of this department during the year, though it is by far the most important of the Bureau. The great bulk consists of routine work which remains the same year after year.

A slight change was made in the length of office hours, for while up to the present year, at least one employee was kept constantly in the office "on guard" from 6 a. m. to 7 p. m., but now the time has been shortened to 6 p. m. during the hot season and on all Sundays, Saturdays, and official holidays during the year. The overtime put in by the employees during the fiscal year amounted to 1,340 hours 50 minutes, or 191.5 working days of 7 hours each.

The services required of the Weather Bureau are continually increasing. Since October, 1910, it is furnishing to the irrigation division, Bureau of Public Works, the rain observations of all its stations within 30 days after the close of the month. The records for July, August, and September have likewise been supplied. In exchange, the Bureau of Public Works agreed to favor us with a copy of the rainfall data collected by the irrigation division.

October 1, 1910, the Central Office began to mail to the observatories of Tokio, Zikawei, Hongkong, and Phulien a daily bulletin giving pressure, temperature, wind, state of the sea, and weather as observed at 6 a. m. and 2 p. m. in Manila and many of the secondary stations of the Weather Bureau which report by wire.

The United States Weather Bureau requested that to the daily cablegram transmitting the 8 a. m. observations of Manila sent during the preceding year be added the observations made at Nemuro (Japan) and Shanghai on the preceding afternoon. This was done beginning with April 1, 1911. But later, the morning observations of the two foreign stations were desired, though this delays the cablegram until noon, since these are not received earlier. The new arrangement went into effect on May 6, 1911.

The number of barometers compared is 231, against 247 during the preceding year.

As to typhoons, the fiscal year 1911 was comparatively calm, the number of typhoon warnings sent to each of the five meteorological centers in the Far East having been only 94, while during the last fiscal year they reached 106. The greatest number was sent during September and October, 1910 (20 each), while none were indicated during January and May. As a rare exception, two became necessary in February, owing to a typhoon in the Western Carolines.

Capt. Frank Wheeler of the steamship *Kumsang* made arrangements to have special storm warnings cabled at his expense to his address at Singapore whenever he requests them.

(*b*) **Astronomical department.**—The work of this department consisted mainly in repeated careful examination of the constants of the transit instrument and frequent observations for the determination of the clock error for both the time service and the rating of chronometers, of which latter 41 have been compared. This is a gain of 14 over last year, and of 17 over the fiscal year 1909. The correct time has repeatedly (6 to 8 times) been requested by United States ships at Guam. As there is no telegraphic connection between the Observatory and the office of the Commercial Pacific Cable Company, this involves expense and trouble, as it is necessary to send an observer and chronometer to the cable office; but, of course, the service has been rendered without complaint.

For the Bureau of Science was prepared a statement giving the exact times when the sun passes through the zenith at various points of the Islands. At the request of the same Bureau, a series of observations were made with the Angström pyrheliometer during the months February to May, 1911. As the instrument, which had been damaged during the first experiments two years ago, had been repaired in our mechanics' shop with no means for standardizing it, only relative values could be obtained, which, however, sufficed for the purpose of the investigator for whom the observations were made.

(*c*) **Seismic department.**—While during the preceding year the number of perceptible earthquakes in the Philippines was exactly the annual average, to wit, 121, the fiscal year 1911 was characterized by a greatly increased seismic activity, the number of earthquakes sufficiently strong to be felt having been 188, an increase of 55.4 per cent. In this number are not included those in connection with the eruption of Taal Volcano on January 30, 1911, which will be mentioned later, nor, of course, 8 earthquakes reported by our station on Guam, since the latter took place outside of our Archipelago. The above 188 seismic disturbances were distributed as follows: Batanes and northern Luzon, 19; southern and southeastern Luzon and Mindoro, 20; the Visayan Islands, 37; western and central Mindanao, 7; eastern Mindanao, 105.

Fortunately none of these earthquakes showed destructive violence. The most intense, viz, one of force VII–VIII and three of force VII (De Rossi-Forel scale), occurred in eastern Mindanao, which region had likewise the greatest frequency. Their centers lay in the Agusan River Valley and the southwestern region of the mountain system of Apo Volcano.

Of the number mentioned, the Manila seismographs registered 53 of the more important. As most of the shocks whose intensity exceeded degree IV were of tectonic origin, their waves reached Europe and America, where they were registered at several seismological observatories.

In addition to the 53 perceptible earthquakes, and exclusive of the Taal perturbations, the seismographs of Manila Observatory registered 244 microseismic disturbances. Of these, 176 corresponded to shocks which had their origin within, or close to, the Archipelago—that is to say, within a radius of 1,000 kilometers having Manila as center; 56 came from centers at distances ranging from 1,000 to 4,000 kilometers; 9 from such at distances of 4,000 to 10,000 kilometers; and 3 were due to earthquakes in Africa, Mexico, and Colombia, respectively, at distances exceeding 12,000 kilometers.

The two seismographs installed at Baguio, one of the Vicentini type, the other an Omori horizontal pendulum apparatus, both constructed by our mechanics, registered about the same number of seismic disturbances as those at Manila. A difference is noticeable only when the shocks are almost purely local, proceeding from centers within less than 100 kilometers from either observatory.

Taal Volcano.—From January 27 to February 25, 1911, the Manila seismographs recorded, in addition to those already mentioned, 1,005 volcanic earthquakes having their origin in Taal Volcano which was then in eruption. The meteorological and seismic

aspects of the disastrous outbreak of January 30, 1911, are discussed in a monograph prepared by Rev. Miguel Sadera Masó, S. J., in charge of the seismic department. Of the 1,005 tremors registered, 3 or 4 were perceptible up to a distance of 300 kilometers from the epicenter, 62 up to 200 kilometers, 71 to 100 kilometers, 151 to 50 kilometers, and the rest only in the immediate neighborhood of the volcano. This is undoubtedly one of the first instances in which modern seismographs happened to be installed sufficiently close to a volcano (63 kilometers) to have recorded all the seismic disturbances which accompanied the destructive eruption.

Aside from the list of earthquakes in the Monthly Bulletin and the advance report which is regularly sent to 70 of the principal seismological observatories of America, Asia, Australia, and Europe within 10 days after the close of the month reported on, the following special papers have been published: Preliminary Notes on Subterranean or Seismic Noises (Bulletin for June, 1910); The Seismic Centers of Samar, Leyte, and Eastern Mindanao (August, 1910); and Catalogue of Philippine Earthquakes, 1910 (December, 1910, appendix).

A great number of photographic prints have been made from seismograms of earthquakes registered throughout the world, and been forwarded to the International Bureau of Earthquake Investigation at Strassburg, as well as to other observatories and prominent seismologists who requested them.

(*d*) **Magnetic department.**—Though the first observations at the new magnetic observatory, Antipolo, were made in May, 1910, in connection with the nearest approach of Halley's comet to the earth, there were so many interruptions that the regular work may be said to have commenced only toward the close of the calendar year 1910. One of the serious difficulties was to obtain a steady light of sufficient power for photographic registration. No suitable source being obtainable in Manila, the mechanics finally constructed a lamp which burns gasoline and has thus far given entire satisfaction. Another perplexing problem was how to reduce to a few tenths of a degree the large daily oscillation of temperature which was found to take place within the magnetic pavilion. As there is only a rain observer stationed at Antipolo, it is not to be expected that he is capable of making the necessary experiments, and, hence, a great amount of time was consumed by them, as they necessitated frequent trips between Manila and Antipolo.

The beginning of the magnetic observations at the new site brought a surprise; the values obtained at Antipolo differed considerably from those observed at Manila in 1904, before the old observatory was ruined by the electric railway. This discrepancy might be due solely to secular changes of the magnetic elements during the period 1905 to 1910; but it might just as well indicate the presence of disturbing factors in the geological formations of the Antipolo Range. The simplest solution would have been to make a series of observation at the old and new sites, had it not been for the fact that the electric street cars render observations at Manila impossible. Hence, various points had to be selected in the neighboring provinces to the north and south of Antipolo, at which to make magnetic observations to check those of Antipolo. These soon showed that the discrepancies were due solely to secular variations of the magnetic elements.

To make doubly sure of this, application was made to the Director of Coast and Geodetic Survey for the magnetic observations made by his Bureau in southern Luzon, in order to compare them with ours. We are very thankful to the said gentleman who not only supplied a copy of all the data on hand (some 1,909), recomputed and fully prepared for our purpose, but likewise offered the loan of a magnetometer to enable us to make simultaneous observations at two points. As this instrument was at the time employed in Jolo and Mindanao, this plan could not yet be carried out. Thanks, however, to the generous aid given by the Bureau of Coast and Geodetic Survey, it is even now well-nigh absolutely certain that there is no perturbing element in the vicinity of

the magnetic observatory, but that the values obtained represent the true actual state of terrestrial magnetism in this region of Luzon.

Ever since, the variometers have worked satisfactorily, and the data concerning the disturbed and calm days of every month have been sent trimonthly to the Royal Meteorological Institute of the Netherlands for publication in the bulletin of the International Commission on Terrestrial Magnetism. Special data of magnetic perturbations and copies of the corresponding magnetograms have likewise been forwarded to the said commission, and also to other parties if requested.

Though all the elements for the reduction of the variometer records to absolute values have been secured, it has been decided not to begin this work until our instruments for absolute measurements have been standardized by comparison with those of the Commission on Terrestrial Magnetism of the Carnegie Institution, which is expected to pass through Manila about December, 1911.

Pending this standardization, the provisional means of the absolute magnetic values at Antipolo (121° 10′ E; 14° 38.8′ N) are: Declination, 0° 39.77′ E; horizontal component, 0.38244 C. G. S.; dip, 16° 17.2′.

2. IMPROVEMENTS.

A considerable sum has been expended from the private funds of Manila Observatory for improvements in connection with the Central Observatory and its dependencies, Mirador Observatory, Baguio, and the Magnetic Observatory, Antipolo.

(*a*) **Manila Observatory.**—*Accessories to the telescope.*—The 19-inch equatorial telescope has been equipped with additional eyepieces, an ocular scale micrometer, and four microscopes for reading the circles—all made by Carl Zeiss of Jena, Germany, at a cost of ₱420.

The Wiechert seismograph.—Although the Vicentini universal microseismograph, which has been working in the Observatory since 1902, has given complete satisfaction (even greater than it is said to give elsewhere), and the horizontal pendulum seismograph (system Omori) constructed by our mechanics under the direction of Rev. Miguel Saderra Masó, Assistant Director in charge of the seismological and magnetic departments, give excellent results, it was decided to procure a Wiechert seismograph of the latest and most approved construction. For, not only is the large model of the Wiechert instrument considered as the most perfect seismograph at present, but instruments of this type are working or being installed at 7 seismological observatories in the Far East and Australia. The new apparatus was to enable us to compare the records of those places directly with those traced at Manila.

The new seismograph is the work of Georg Bartels, Göttingen, Germany. The mass of the pendulum is 1,000 kilograms, the period of oscillation has been adjusted to 7–9 seconds, the magnification is 100, and the damping 4:1. These constants appeared to be the most preferable for this region with its frequent local and near-by disturbances. The instrument is mounted in a pavilion constructed for the purpose in the old meteorological park, where it has been working regularly since the end of December, 1910.

The Wiechert type of seismograph is known to be difficult of adjustment and to require a great deal of care. In fact, there was considerable trouble in obtaining a period of oscillation sufficiently large, and the temperature changes during February to May affected the apparatus adversely. But this defect is being remedied.

(*b*) **Baguio.**—At Mirador Observatory no improvements have been made in the equipment at private expense. The telephone line which connects the lone mountain top with the city was constructed by the Bureau of Public Works and paid for by the Weather

Bureau, ₱150 having been transferred for the purpose from its appropriation to that of the Bureau of Public Works. The advantages derived from this connection by both the observatory and the town many times outweigh the cost. On the one hand, the advices telegraphed by the Central Observatory can be immediately transmitted to Mount Mirador without the services of a messenger, and on the other, anyone desiring information can obtain the same without more trouble than ringing up the Weather Bureau station.

Some ₱500 have, however, been expended by the observatory in beautifying the grounds. While this is by no means for the exclusive benefit of the Weather Bureau, it adds a certain dignity to Mirador Observatory.

(*c*) **Antipolo.**—As stated last year, the magnetic observatory consisted then of two small buildings of stone, one for photographic registration, the other for absolute measurements of the magnetic elements. But it soon became evident that a house was badly needed. Not only was it very desirable that the observer live on the premises, otherwise completely deserted, but such officers as had occasionally to visit the observatory and even remain there for several days had no place where to stay. Hence, it was resolved once for all to provide not merely for the present, but for all probable future needs by constructing a strong-material house containing five rooms and a chapel. The total cost of this building is ₱6,250, while an additional sum of about ₱300 was spent in cleaning the grounds, making paths, etc. Aside from the great convenience to the personnel of the Weather Bureau, the appropriation for the latter gains by the fact that 50 per cent of the legal per diems is the limit allowed to officers and employees while staying at the magnetic observatory.

II. SECONDARY STATIONS.

1. **Baguio.**—During the hot season three employees of the Central Office were stationed at Mirador Observatory for periods varying from one to three months. They were supposed to be preparing copy for the annual (scientific) report, a task which can be done away from Manila. But such was the frequency of visitors that they could do very little else than show them around, and this despite the fact that two Jesuit priests who had formerly been connected with the Weather Bureau, and were then at Baguio for a vacation, occasionally helped them.

2. **Changes in stations.**—For years it had been the intention of the Weather Bureau to reëstablish the station at Daet, Camarines, as soon as this town would obtain telegraphic communication with Manila. But the development of Paracale, within the same province, and its connection with the telegraph system, offered a very superior site for a station. Lying farther north than Daet, and having a view of the sea, it is of the greatest utility in following the movements, etc., of typhoons which approach northern Luzon. Hence, a second-class station was established there on September 23, 1910.

On account of its importance for the early detection of typhoons coming from the Pacific Ocean in the latitudes of the Visayas, Borongan, hitherto a rain station, has been raised to third-class, April 1, 1911. Rev. Cesareo Montes, O. S. F., who actually rendered services not expected from a rain observer, had resigned, and it is but fair that his successor, who is neither priest nor religious, be paid the full value of his work.

A petition of the inhabitants of Guiuan, Samar, personally recommended by the assemblyman for the district, which requested a meteorological station in that town, resulted in the establishment of a rain station on April 27, 1911. While of no use for forecasting typhoons, as there was no telegraph station in the place, yet it was a good opportunity for having a station in southern Samar, as it is the easternmost station

and as such will be of considerable value for the subsequent study of typhoons in their early stages or while still at some distance from the Archipelago, especially of such as strike the Philippines in comparatively low latitudes.

3. **Stations of the Weather Bureau.**—On June 30, 1911, the Weather Bureau maintained the following stations: One branch observatory, 1 magnetic observatory, 7 first-class, 10 second-class, 25 third-class, and 9 rain stations.

Volunteer stations.—With the exception of Catbalogan, Samar, which is in charge of Dr. G. J. Cullen, district health officer, not one of the volunteer stations gave satisfaction, save those which are under the supervision of United States Army officers. These are Fort Wint, Grande Island; Fort Mills, Corregidor Island; Infanta, Tayabas; Ludlow Barracks, Parang; and the experimental farm of the subsistence department, Camp Vicars, Mindanao. Unfortunately, the said experimental farm was abandoned and thus the observations ended, the instruments being returned in the beginning of May, 1911. None of the nine other volunteer stations sent its reports regularly, most of them not at all.

4. **Inspection of stations.**—Although no trips have been undertaken for the purpose of inspection, one first-class, two second-class, and two third-class stations have been visited. During April, 1911, Mr. P. Fajardo Marmoril, assistant observer at the Central Observatory, had to go to Santo Domingo, Batanes, on private business. He kindly consented to inspect the first-class station at Aparri and the third-class station at Santo Domingo. At Aparri he found things in good shape, only the rain gauge had to be moved to a different spot.

The second-class station at Vigan and third-class station at Batangas were for some time in charge of employees sent from Manila to replace the absent observers. In both stations the substitutes found things satisfactory.

During a vacation trip to the south, Mr. Vicente C. Santos kindly inspected the second-class station at Calbayog. He determined the height of the barometer cistern above sea level and found the value of 4.1 meters given hitherto too small, the true height being 5.5 meters. The surface of the mercury in the barometer cistern and the metal scales of the thermometers were found to be oxidized.

III. MISCELLANEA.

1. **Fires at secondary stations.**—Since the beginning of the calendar year 1911, two meteorological stations have been destroyed by fire. Luckily, both were rain stations whose equipment is, naturally, less costly than that of stations of a higher class.

(*a*) *Tarlac.*—On January 29 a fire in the town of Tarlac, in the province of the same name, involved also the meteorological station. Besides books and records, there were burned meteorological instruments to the value of ₱50.30; only the rain gauge and thermometers, being mounted in an open space, escaped destruction.

(*b*) *Silang.*—Worse was the fate which befell the station at Silang, Cavite, on March 31. Here everything fell a prey to the flames, except a typhoon barometer which the observer carried off in a damaged condition. The loss to the Weather Bureau amounted to ₱79.83, exclusive of books and records.

2. **Interruptions in the series of observations.**—As to continuity in the series of observations made at the secondary stations, this fiscal year was the worst in the history of the Weather Bureau. With the first and second class stations there was little trouble. None of the incumbents resigned, while those absent on leave could be replaced by a substitute sent from the Central Observatory, unless in the case of first-class stations the assistant could be intrusted with the routine work, for which he received the pay

of a temporary third-class observer. But at third-class and rain stations the interruptions were frequent. Taking into account only those at which the interruption exceeded one month, we obtain the following list:

Station.	Interruption.
	Months.
San Jose de Buenavista, third class	1.5
Cotabato, third class	2
Baler, rain station	2.5
Jolo, third class	4
Romblon, third class	5.3
Gubat, rain station	8.3
Laoang, third class	8.7

Plan to spread typhoon warnings.—Since the establishment of the Weather Bureau several ways have been tried to secure a wider distribution of storm warnings than can be obtained by telegraphing them to the stations of the Bureau, but none of them proved a success. It has been suggested that the following plan would probably be more successful than any one devised hitherto: In each case of a typhoon, the warnings should be wired to the governors of those provinces which are threatened by it, unless there is in the capital a meteorological station of at least third class, the governors having strict orders from the Honorable the Governor-General to decipher the message by means of a code furnished to them by the Weather Bureau, and to wire the salient part of it, in ordinary language and at the expense of the province, to the municipal president or other designated official of every town in the province having a telegraph station, except such as have a meteorological station of Classes I to III. The telephone and messenger service should likewise be utilized for the purpose. The local official should be ordered to warn his district to the fullest extent possible by such means as are at his disposal.

As regards provincial capitals at which stations of the proper class are situated, the same order should be issued to the governor and respective local officials, but the warnings would be telegraphed to the observers, as hitherto, since these are even now under the strict obligation of immediately informing the authorities whenever a dispatch implies that the region is in danger.

Since such warnings would be for the immediate benefit of the province, it would seem only fair that the province bear the cost of spreading them, the message from the Central Observatory to the governors or observers being, of course, paid by the Weather Bureau.

PART II.

HOURLY METEOROLOGICAL OBSERVATIONS MADE AT THE CENTRAL OBSERVATORY DURING THE CALENDAR YEAR 1911.

INTRODUCTION.

Part II of our report for 1911 contains the meteorological observations made during the year at the Central Observatory at Manila. The hours of observations are given in Insular standard time; that is, in the time of the one hundred and twentieth meridian east of Greenwich, adopted by order of the United States Government on September 6, 1899. It is to be noted that the observations of atmospheric pressure, temperature, relative humidity, vapor tension, and the direction and force of the wind are hourly, read directly between the hours 6 a. m. and 7 p. m., while for the hours from 8 p. m. to 5 a. m. they are taken from self-registering apparatus. The hourly observations of the direction, form, and amount of clouds are made from 7 a. m. until 6 p. m. only. Each of the tables of hourly observations shows also the respective hourly, daily, and monthly means. The extreme daily values of the various elements, together with the time of their occurrence, are united into a separate table. The thermometers and atmidometer are placed in the observatory park, 1.5 meters above the ground.

The readings of the barometer have not been corrected for gravity; this correction would be —1.72 mm.

All observations contained in this report are expressed in the metric system, continuing the practice adopted at the time of the reorganization of the Weather Bureau. As in former reports, we have arranged the observations according to month.

EXPLANATION OF SYMBOLS (BEAUFORT'S LETTERS AND INTERNATIONAL WEATHER SYMBOLS).

Symbol.	Equal to —	Symbol.	Equal to —
Ci.	Cirrus.	o	Overcast.
Ci.-S.	Cirro-stratus.	p	Passing showers of rain.
Ci.-Cu.	Cirro-cumulus.	q	Squally.
A.-Cu.	Alto-cumulus.	u	Ugly or threatening weather.
A.-S.	Alto-stratus.	v	Visibility of distant objects.
S.-Cu.	Strato-cumulus.	w	Wet or heavy dew.
N.	Nimbus.	●	Rain.
Cu.	Cumulus.	≡	Fog or mist.
Cu.-N.	Cumulo-nimbus.	⊕	Dew.
S.	Stratus.	◯	Solar corona.
Fr.-Cu.	Fracto-cumulus.	⊕	Solar halo.
Fr.-N.	Fracto-nimbus.	◑	Lunar corona.
Fr.-S.	Fracto-stratus.	◡	Lunar halo.
S.-cf.	Stratus-cumuliformis.	↘	Lightning.
N.-cf.	Nimbus-cumuliformis.	⊠	Thunderstorm.
M.-Cu.	Mammato-cumulus.	⊢	Thunder.
b	Clear, blue sky.	↙	Strong wind.
c	Partial clouds.	◠	Rainbow.
d	Drizzling or light rain.	∞	Dust haze.
g	Gloomy, or dark, stormy-looking weather.		

NOTE.—The intensity of any individual phenomenon may be distinguished by the figures of ° and ², which should be used as exponents of the symbols, so that ° indicates slight, and ² strong; e. g., ●° = slight rain, ●² = heavy rain. Figures in heavier type represent extreme values.

OBSERVATIONS FOR JANUARY, 1911.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	61.80	61.45	61.25	61.35	61.50	61.79	62.27	**62.56**	62.55	62.40	**62.16**	61.55
2	61.05	60.85	60.75	60.80	60.95	61.16	61.36	61.96	**62.05**	61.80	61.45	60.72
3	61.30	61.05	60.90	61	61.30	61.66	62.14	62.51	62.70	**62.71**	62.40	61.68
4	61.85	61.80	61.75	61.90	61.95	62.36	62.55	62.76	**62.90**	62.65	62.32	61.79
5	61.85	61.80	61.65	61.65	61.85	62.05	62.80	63.15	**63.28**	62.94	62.35	61.49
6	61.50	61.25	61.10	61.25	61.50	61.89	62.40	**63.04**	62.79	62.47	61.89	61.03
7	62.05	61.80	61.60	61.60	61.60	62.03	62.44	62.94	63.02	62.97	62.57	61.79
8	62.60	62.15	62	61.95	62.15	62.60	63.23	63.54	**63.74**	63.56	63.24	62.24
9	60.70	60	59.70	59.45	59.60	59.90	60.31	60.84	**60.90**	60.73	60.47	59.82
10	59.10	58.60	58.10	58.10	58.30	58.56	58.96	59.53	**59.64**	59.36	58.87	58.14
11	58.50	58.25	58.05	58	58.10	58.49	58.97	59.42	**59.66**	59.39	58.96	58.38
12	58.60	58.25	58.10	58.20	58.30	58.56	59.22	59.82	59.93	59.86	59.84	59.35
13	59.90	59.65	59.40	59.55	59.65	60	60.52	61.29	61.49	61.48	61.29	60.97
14	61.15	61	60.90	60.75	61	61.35	61.59	61.89	**62.02**	61.85	61.47	60.80
15	60.05	59.65	59.55	59.70	59.75	60.01	60.30	60.83	**61**	60.87	60.33	59.64
16	59	58.70	58.65	58.75	58.95	59.24	59.79	60.49	**60.65**	60.60	60.34	60.02
17	60	59.85	59.80	59.75	59.80	60.08	60.45	60.98	**61.06**	61	60.66	60.26
18	60.75	60.50	60.35	60.55	60.70	60.96	61.26	**61.81**	61.78	61.53	61.19	60.35
19	60.95	60.50	60.30	60.45	60.55	60.74	61.16	61.58	**61.84**	61.78	61.43	60.84
20	61.20	60.75	60.55	60.40	60.50	60.71	61.15	61.78	62	**62.15**	61.79	61.57
21	61.30	61	60.80	60.75	60.85	61.13	61.31	61.46	**61.79**	61.64	61.27	60.74
22	60.95	60.70	60.30	60.35	60.55	60.80	61.08	61.55	**61.69**	61.54	61.09	60.42
23	60.40	60	59.70	59.65	59.70	59.81	60.03	60.37	**60.47**	60.22	59.81	59.38
24	58.85	58.50	58.05	58	58.05	58.26	58.72	59.02	59.17	59.14	58.71	58.15
25	59.45	59.35	58.85	58.60	58.70	58.88	59.36	60.01	60.30	**60.46**	59.97	59.55
26	59	58.85	58.60	58.10	58.35	58.36	58.80	59.03	59.33	**59.39**	59.07	58.60
27	58.15	57.90	57.55	57.45	57.50	57.72	58.15	58.78	**59.20**	58.99	58.61	57.95
28	57.30	56.90	56.70	56.65	56.70	57.01	57.56	58.10	58.52	**58.55**	58.24	57.47
29	57.90	57.65	57.45	57.30	57.40	57.61	58.11	58.85	**59.20**	59.10	58.95	58.28
30	58.05	57.95	56.80	57.65	57.65	57.87	58.61	58.83	59.22	**59.46**	58.94	58.24
31	58.45	58.20	58	58	58.20	58.34	58.70	58.94	**59.21**	59.05	58.68	58.12
Mean	60.12	59.83	59.59	59.60	59.73	60	60.43	60.89	**61.07**	60.96	60.59	59.98

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	20.5	20.2	19.6	19.3	**19.1**	19.2	19.5	23	25.3	26.1	26.7	27
2	21.6	20.9	20.9	20.7	**20.2**	20.4	20.6	23.7	26.1	26.8	27.6	27.6
3	21.2	20.6	20.1	19.5	**19.3**	**19.3**	19.9	**23.7**	26.3	27.4	28	27.8
4	19.9	19.5	19.3	19.1	18.9	**18.7**	19.3	**23.3**	26.5	27.9	28.1	**28.7**
5	23	22.6	22.6	22.5	22.3	**21.9**	22.1	24	27	29	**30**	29.8
6	24.2	24.1	24	24	23.8	23.8	23.8	25.2	27.8	28.9	29.1	29
7	23.2	23	23.6	23.7	23.5	**22.7**	23.1	26	28	27	26.7	28.4
8	22.3	21.7	21.6	21.1	21.1	**20.9**	21	23.3	26.5	27.4	26.3	27.8
9	21.9	21.3	20.8	20.4	20.2	**20**	20.6	23.5	26.5	27.3	27.7	27.1
10	22.7	22.7	22.2	**21.7**	21.8	**21.7**	22	24.7	27	28.7	29.6	28.7
11	23.7	23.5	**22.6**	22.9	23.4	23.5	23.4	26	26.9	28	28.2	28.7
12	24.2	24	23.6	23.2	22.7	22.5	23	24.3	26.7	27.6	28.7	28.9
13	21.8	**21.5**	**21.5**	**21.5**	21.6	21.8	22.4	23.8	26.8	27.3	27.7	27.3
14	**22.7**	22.8	23.2	23.2	23.2	23.3	23.4	25.1	28.2	27.7	28.2	28.9
15	24	23.6	23.2	23	22.6	**22.2**	22.8	24.4	27.1	29.1	28.5	28.8
16	23.9	23.6	23.3	22.9	22.4	22.1	22.3	25.4	27.6	27	28	29.1
17	20.9	20.7	20.2	19.9	19.7	**19.3**	19.6	24.1	26.4	26.3	27.8	28.1
18	22	21.7	21.2	20.9	20.5	**20.3**	**20.3**	23.7	26.3	28.2	29.5	29.2
19	22.8	22.5	22.1	21.7	21.5	21.4	**21.3**	23.4	25.2	26.6	28.5	**29.8**
20	22.3	21.9	21.6	21.3	21.2	21.2	22	23.5	24.3	26.5	26.7	26.6
21	20.6	20.6	20.8	20.2	**20.1**	20.2	20.6	23.2	26.7	27.4	26.9	27.2
22	23	23.4	23.1	22.6	22.3	22.1	**21.8**	25.8	27.6	27.3	28.4	28.9
23	22.2	22	**21.4**	21.6	22.3	22	22	24.7	27.2	26.9	**28**	26.8
24	21.4	21.7	21	20.6	**20.3**	20.4	21	24.5	27.3	26.7	27	28.1
25	22.4	22.1	22.2	22.2	22.1	**21.7**	22	24.9	26.6	25.5	26.7	26.9
26	21.6	21.2	21.2	21	21	**20.9**	**20.9**	24.5	27.3	27.2	26.8	28.3
27	22.3	21.9	21.5	21.4	21.2	**20.9**	21	24	26.1	26.8	27.1	28.2
28	23.3	22.7	22.6	22	21.7	**21.4**	22	24.7	27	27	28	29.3
29	22	21.7	21.2	21	20.7	**20.3**	20.6	24.7	28.3	28.6	28.2	28.5
30	22.6	21.8	21.4	**20.9**	21.1	**20.9**	21.3	24.2	26.9	28.2	28.5	28.8
31	23.4	**22.9**	22.5	22.1	22.1	21.6	**21.5**	25.2	28.1	27.7	28.9	30
Mean	22.4	22.1	21.8	21.6	21.4	**21.2**	21.5	24.3	26.8	27.4	27.9	28.3

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
60.99	60.61	**60.47**	60.67	60.72	61.08	**61.42**	**61.55**	**61.55**	**61.60**	**61.45**	61.15	61.50
60.04	59.53	**59.28**	59.37	59.80	60.11	60.63	61.05	61.30	61.65	61.50	61.45	60.86
61.03	60.52	**60.24**	60.48	60.92	61.33	61.65	61.85	61.95	62.05	62.05	62.05	61.56
61.19	60.80	**60.52**	60.74	61.27	61.87	62.37	62.50	**62.60**	62.50	62.60	62.25	**61.99**
60.64	60.21	**60.07**	60.34	60.56	61.08	61.63	62	62.10	62.30	62.10	62.05	61.75
60.49	60.17	60.04	**59.94**	60.41	60.74	61.38	61.95	62.15	62.15	62.15	62.10	61.49
60.90	60.58	**60.12**	60.17	60.59	61.20	61.97	62.65	63.10	63.35	**63.40**	63.10	61.98
61.38	60.83	**60.32**	60.34	60.61	60.87	61.34	61.60	61.70	61.60	61.40	61.15	61.92
58.89	58.32	**57.94**	58.04	58.17	**58.59**	59.14	59.50	59.60	59.55	59.45	59.40	59.54
57.18	56.46	56.01	**55.99**	56.39	**56.67**	57.28	57.80	58.30	58.50	58.75	58.70	58.05
57.45	**56.72**	56.22	**56.02**	56.20	56.56	57.24	57.80	58.20	58.45	58.85	58.80	58.03
58.63	**57.99**	57.74	**57.73**	57.93	58.47	58.98	59.75	60.15	**60.25**	60.20	60.15	59
60.07	59.55	**59.37**	59.40	59.72	59.98	60.62	61.25	61.35	**61.45**	**61.55**	**61.50**	60.46
59.93	59.23	**58.89**	**58.89**	58.96	59.25	59.60	60.05	60.20	**60.35**	60.55	**60.45**	60.50
58.84	57.91	57.44	**57.34**	57.36	57.67	58.05	58.55	59	59.15	59.20	59.20	59.22
59.54	58.90	58.59	**58.52**	58.62	58.93	59.59	60	60.40	60.50	60.40	60.35	59.56
59.39	58.74	**58.40**	58.47	58.57	58.83	59.48	60.15	60.45	60.50	60.65	60.70	59.92
59.59	58.84	**58.06**	58.43	58.54	59.19	59.90	60.90	61.20	61.25	61.15	61.10	60.41
60.34	59.63	59.25	**59.06**	59.40	59.68	60.09	60.85	61.25	61.40	61.40	61.45	60.66
60.90	60.31	**59.81**	59.94	60.15	60.26	60.69	61.30	61.50	61.55	61.50	61.50	61
59.94	59.12	58.87	**58.79**	59.09	59.52	60.03	60.75	61.10	61.25	61.25	**61.30**	60.63
59.62	58.72	**58.24**	58.42	58.69	59.05	**59.49**	60.15	60.65	60.95	60.70	60.60	60.26
58.49	57.65	57.30	**57.29**	57.75	58.04	**58.60**	58.95	**59.20**	59.20	59.15	59.25	59.18
57.20	56.74	**56.55**	56.86	57.60	58.15	58.59	59.20	**59.65**	**59.75**	59.65	59.55	58.42
58.92	58.25	57.74	**57.60**	57.80	58.14	**58.46**	58.90	**59.30**	59.55	59.50	59.45	59.05
57.84	57.08	56.54	**56.50**	56.67	56.95	**57.52**	58	58.30	58.45	58.45	58.25	58.17
57	56.19	55.64	**55.52**	**55.57**	55.94	**56.36**	56.95	57.45	57.80	**57.75**	57.50	57.40
56.71	55.93	55.56	**55.49**	56.07	56.62	**56.99**	57.50	58	58.10	58.15	58.10	**57.20**
57.45	56.36	55.93	**55.72**	56.24	56.79	57.24	57.70	58	58.05	58.15	58.25	57.65
57.74	56.89	56.48	**56.44**	56.62	56.84	57.42	57.85	58.35	58.50	58.45	58.55	57.89
57.26	56.38	55.95	**55.90**	56.10	56.66	57.03	57.45	57.90	57.95	57.90	58.05	57.77
59.21	58.55	**58.18**	58.21	58.49	58.87	59.38	59.89	60.19	60.31	60.30	60.24	59.77

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
26.8	28.4	**29.2**	28	26.5	24.8	24	23.6	23	**22.4**	21.8	**21.7**	23.6
28.3	28.8	**29.4**	28	26.2	24.6	23.9	**23.3**	22.8	22.2	22	21.4	24.1
27.9	27.5	**28.2**	27.4	25.9	23.8	**23.1**	**22.3**	21.4	20.8	20.4	20.1	**23.4**
27.9	27.2	27.3	27.8	27	25.4	24.8	**24.5**	24.4	23.6	23.5	23.4	24
28.8	28.8	29	28.6	27.8	26.7	25.7	25.3	25.5	25.4	25.2	24.4	25.8
28	**30.2**	28.3	28.8	26.1	25.1	24.3	24	23.8	23.5	23.3	**23.1**	25.7
28.3	27.4	**29.3**	28.7	27.1	26.1	24.9	24.3	24.3	24.3	23.8	**23**	25.4
28.5	**28.6**	28.4	28.1	26.4	25.1	23.7	22.8	22.5	22.1	21.7	22.4	24.2
27.9	**28.1**	27.5	27.7	27.2	26.5	25.2	24.4	24.1	23.7	23.3	22.9	24.4
28.6	**30.1**	29.9	30	28.9	26.8	26.1	26.3	25.9	25.5	25.2	24.4	25.9
29.8	29.9	**30.3**	30.2	28.7	26.7	26.4	26.5	26.1	25.5	24.9	24.4	26.3
28.4	**30.2**	29.6	28.5	27.2	25.9	24.9	**24.2**	24.2	23.3	23	**22.3**	25.5
29.1	28.1	27.8	28.7	27	**26.2**	24.8	24.4	23.8	23.5	23.3	22.8	24.8
29.7	29.6	**30.8**	29.9	28	26.8	26.1	25.4	25	24.3	**24.4**	24.4	26
29.7	30.1	**30.3**	29.6	28	26.5	25.6	25	24.5	24.1	23.6	23.6	25.8
29.7	28.8	28	28.5	28	25.7	24.1	23.1	22.5	22	21.6	**21**	25
29.1	**29.3**	**29.3**	29	28.2	26.1	25	24.2	23.1	22.5	22.6	22	24.3
29.6	**30.5**	30.3	29.8	28	26.8	26.2	25	25	24.4	23.5	23.2	25.3
28.5	29.3	29.1	29.1	27.8	26	25.2	24.9	24.3	23.4	22.9	22.5	25
26.4	26.3	**29.1**	27.4	26.9	25	23.6	22.7	21.9	21.3	20.7	**20.6**	23.8
28.7	29.2	**29.4**	29.2	28	26.4	25.6	24.9	24.6	24	23.7	23.1	24.6
28.2	29	**30.3**	28.5	28	25.7	24.5	23.8	23.1	22.8	22.6	22.3	25.2
27.9	27.8	26.1	**28**	26.7	25	23.5	23.3	22.4	22.3	21.9	21.6	24.3
29.1	28.1	27.2	27.7	26.3	25.4	25	24.5	24	23.8	23.1	22.6	24.4
24.8	**27.5**	26	27.2	26.8	25	23.9	23.7	23	22.1	21.9	21.8	24.1
29.2	29.3	29.8	**30**	28.5	26.5	25.6	24.8	24.1	23.3	23	22.6	24.9
29.1	29.7	**30**	29.8	28.8	27	26.4	26.3	25	24.2	23.6	23.2	25.2
30.3	31.6	**32.2**	31.5	29.2	27.2	25.9	24.8	24.3	23.7	23.2	22.7	25.8
29.2	30.8	30.8	**31.1**	29.2	27	25.5	24.6	23.9	23.3	23.4	22.9	25.3
29.7	**30.9**	30.7	30.2	29.5	27.3	25.9	25.6	25.2	24.9	24.6	24.1	25.6
30.8	32.8	**33.1**	31.9	30.2	28.1	27	26.2	25.6	25	24.6	24.2	**26.5**
28.6	**29.2**	**29.2**	29	27.7	26	25	24.5	24	23.5	23.1	22.7	25

RELATIVE HUMIDITY (%).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	90	91	94	95	**96**	95	93	81	75	70	67	70
2	92	94	94	94	**96**	94	93.5	85	77	77	73	72
3	90	92	93	96	**97**	**97**	94	85	74	67	68	68
4	96	**98**	**98**	**98**	**98**	97	93	82	73	**67**	69	68
5	96	97	97	96.5	96	**98**	97	91	77	69	**66**	69
6	92	92	93	92	92	93	**94**	90	81	75	71	71
7	89	90	87	90	90	91	**93**	81	72	75	75	75
8	88	90	88	89	89	91	**92**	80	68	**65**	67.5	69
9	89	92	91	91	92	92	91	80	70	66	**65**	67
10	95	95	96	**99**	97	97	96	84	77.5	67	68	72
11	88	89	93	93	93	**95**	**95**	89	83	75	71	71
12	86	88	90.5	91	**93**	**93**	92	89	80	76	73	67
13	87	87	88	87	88	89	**90**	81	70	69	67	66
14	90	**92**	89	88	87	86	85	80	70	70	68	67
15	86	88	89	90	90	**92**	91	85	76	69	71	72
16	88	90	91	93	95	**96**	94	80	73	73	69	67
17	95	94	96	96	96	**99**	96	81	74	72	66	65
18	94	96	96	**98**	97	**98**	97	87	76	68	64	66
19	89	90	91	**93**	**93**	92	92	88	81	76	64	65
20	88	90	92	**93**	92	92	92	87	84	74	72	72
21	90	88	89	92	92	93	**94**	85	71	70	67	66
22	90	87	89	90	92	93	**94**	77	70	71	69	65
23	90	91	91	92	91	95	**97**	84	75	73	70	74
24	93	90	95	94	**96**	95	95	86	73	73	68	67
25	89	91	90	90	90	93	**96**	83	77	77.5	**72**	**72**
26	93	94	95	95	95	96	**97**	87	72	71	71.5	66
27	95	96	95	95	95	95	**97**	86	77	77	76	74
28	90	92	91	95	**96**	**96**	**96**	86	79	79	75	72
29	95	96	97	97	98	**99**	98	85	71	72	70	65
30	88	90	90	**94**	92	93	93	82	73	69	64	63
31	91	92	94	**96**	95	95.5	**96**	82	76	73	71	67
Mean	90.7	91.7	92.3	93.3	93.5	**94.2**	94	84.2	75	71.8	69.3	68.7

VAPOR PRESSURE (mm).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	16.1	15.9	16	15.8	15.8	**15.7**	**15.7**	16.9	18	17.7	17.5	18.4
2	17.6	17.2	17.2	17	16.9	**16.8**	16.9	18.6	19.4	20.1	20	19.7
3	16.8	16.7	16.3	**16.2**	**16.2**	**16.2**	16.3	18.6	18.9	18.2	**19.1**	18.8
4	16.6	16.5	16.3	16.1	15.9	15.6	**15.5**	17.4	18.7	18.6	19.4	19.8
5	19.9	19.8	19.7	19.5	19.3	**19.2**	**19.2**	20.3	20.3	20.7	20.9	21.4
6	20.7	20.6	20.7	20.4	20.2	20.4	20.6	21.4	**22.4**	22.1	21.4	21.1
7	18.7	18.7	18.8	19.5	19.3	18.7	19.5	20.2	20.3	19.7	19.5	21.5
8	17.7	17.4	16.9	16.6	16.6	16.7	16.9	17.1	17.6	17.6	17.2	19.1
9	17.4	17.3	16.6	16.3	16.3	**16.1**	16.5	17.3	18	17.9	18	17.8
10	19.4	19.4	19.2	19.1	18.9	**18.8**	**18.8**	19.5	20.5	19.7	20.9	21
11	19.1	19.2	**18.9**	19.3	19.9	20.4	20.3	**22.1**	21.7	21.1	20.2	20.6
12	19.2	19.5	19.6	19.3	19	18.8	19.2	20.1	20.7	20.8	**21.4**	19.7
13	16.8	**16.6**	16.8	**16.6**	16.9	17.3	18.2	17.6	18.3	18.6	18.4	17.9
14	18.5	19	18.7	18.6	18.4	18.3	**18.2**	19	20	19.5	19.4	19.7
15	19.2	19	18.7	18.8	18.4	**18.3**	18.8	19.3	20.3	20.6	20.6	21.2
16	19.4	19.4	19.4	19.3	19.1	18.9	18.8	19.4	**20**	19.3	19.3	**20**
17	17.5	17.1	16.9	16.6	16.4	16.5	**16.3**	18	19	18.3	18.3	18.5
18	18.4	18.4	18	18	17.4	17.4	**17.2**	19	19.2	19.2	19.7	19.9
19	18.5	18.3	18	17.9	17.7	17.4	**17.3**	18.8	19.3	19.6	18.4	**20.2**
20	17.5	17.6	17.6	17.4	17.2	17.2	18	18.7	19	19.1	18.8	18.7
21	16.2	15.9	16.2	16.3	16.2	16.4	17	18	18.6	18.9	17.5	17.7
22	18.7	18.6	18.6	18.4	18.4	18.3	18.2	19	19.2	19.2	19.9	19.3
23	17.9	17.9	**17.2**	17.6	18.2	18.6	19.1	19.5	**20**	19.2	19.7	19.3
24	17.6	17.4	17.5	17	17	17	17.6	19.6	**19.8**	19	18.1	18.9
25	18	18	17.9	17.9	17.8	17.9	18.8	19.5	19.8	18.8	18.8	18.9
26	17.8	17.5	17.7	17.6	17.6	17.7	17.9	20	19.4	19.1	18.7	18.8
27	18.9	18.7	18.2	18.1	17.9	**17.5**	18	19	19.4	20.1	20.3	**20.9**
28	19	18.9	18.6	18.6	18.4	**18.3**	19	19.8	20.9	20.9	21.1	**21.7**
29	18.6	18.4	18.2	18	17.8	**17.6**	17.7	19.6	20.3	**20.9**	19.8	18.8
30	17.9	17.5	**17**	17.2	17.1	**17**	17.4	18.3	19.2	19.6	18.4	18.6
31	19.5	19.1	19	18.9	18.7	**18.3**	18.4	19.5	**21.4**	20.3	21.1	21
Mean	18.2	18.1	17.9	17.9	17.8	**17.7**	18	19.1	19.7	19.5	19.4	19.6

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
69	**66**	**66**	68	73	79	82	84	87	89	91	92	81.8
69	69	**64**	65	73	78	81	83	84	88	88	92	82.3
63	68	65.5	63.5	69	80	83	88	93	95	95	96	82.5
72	77	75.5	73.5	75	82	86	87	87	92	92	93	84.5
71	76	76	78	80	80	86	88	89	88	88	91	**85**
74	68	73	**67**	79	83	86.5	86	86	89	88	89	83.5
78	78	**70**	72	**70**	73	79	82	82	82	84	86	81
65	66	68	**65**	68	69	76	81	82	84	87	86	78.1
69	71	72	70	74	79	84	89	90	91	92	**94**	81.7
72	67.5	**65**	**65**	73	78	83	82	85	86	88	86	82.2
70	69	**67**	69.5	69	76	77	79.5	80	83	83	86	81
64	**60.5**	63	68	67	69	75	78	78	83	80	84	78.7
64	67	68	66	75	77	83	86	87	89	89	**90**	79.6
66	66	**65**	69	77	82	83	85	86	88	87	87	79.7
71	67.5	**64**	65	74	78	81	83	85	87	90.5	90.5	80.6
63	65	66	64	66	72	79	84	87	88	90	95	80.3
65	**63**	65	64	69	78	81	85	90	89	91	95	81.9
64	62	**61**	63	68	72	76	83	82	82	86	87	80.1
67	66	64	**62**	65	75.5	78	75.5	78	82	85	88	79.2
74	77	**68**	70	71	74	80.5	82	85	87	90	91	82.4
68	64	64	**63**	70	76	78	81	84	84	85	90	79.3
66	65	**61**	68	73	74	79	82	85	87	86	88	79.2
70	71	73	**63**	74	76	82	82	88	88	90	91	82.1
62	64	65	**61**	67	70.5	73	75	78	79	84	89	78.9
83	79	80	77	79	81	81	82	86	89	91	91	84.1
67	**64**	**64**	66	71	78	82	86	88	92	92	94	82.4
68	64	**60**	61.5	65	75	78	77	83	86	89	90	81.4
63	58	**57**	58	68	75	81	87	86.5	90	91	92	81.4
64	**59**	**59**	**59**	63	71	77.5	81	83	84	84	87	79.8
61	**59**	62	65	70	77	83	84	85	85	86	87	79
64	56	**52**	**52**	60.5	70	74	78	80	82	83	86	**77.8**
67.9	66.9	65.9	**65.8**	70.8	76.1	80.3	82.8	84.8	86.7	87.9	89.8	81

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
18.2	19.1	**19.9**	18.9	18.7	18.5	18.2	18.1	18.1	18	17.7	17.7	17.5
19.7	**20.2**	19.4	18.3	18.3	17.9	17.9	17.6	17.4	17.4	17.4	17.4	18.2
17.5	18.5	18.6	17.2	17.1	17.5	17.4	17.5	17.6	17.4	17	16.8	**17.4**
20.2	**20.6**	20.3	20.4	20	19.8	19.9	20	19.8	19.9	19.8	19.9	18.6
21	22.4	**22.7**	22.6	22.2	20.9	21.1	21	21.7	21.3	21.1	20.8	**20.8**
20.7	21.7	20.9	19.8	19.7	19.6	19.5	19	18.9	19.1	18.7	**18.6**	20.3
22.3	21.3	21.1	21	18.5	18.2	18.4	18.4	18.4	18.4	18.4	**18**	19.4
18.8	19.3	**19.5**	18.5	17.5	**16.3**	16.5	16.7	16.5	16.6	16.7	17.3	**17.4**
19.2	20.1	19.6	19.3	19.8	**20.3**	20.1	20.2	20	19.9	19.6	19.5	18.5
20.9	21.4	20.5	20.6	**21.5**	20.5	20.9	20.9	21	20.9	20.8	19.4	20.2
21.8	21.5	21.5	**22.1**	20.2	19.8	19.7	20.4	20.1	20.1	19.5	19.4	20.4
18.5	19.3	19.3	19.8	17.9	17.3	17.5	17.6	17.4	17.6	16.7	16.8	18.9
19	18.9	18.8	19.3	**20**	19.5	19.4	19.4	19.1	19.1	18.9	18.6	18.3
20.4	20.5	21.3	**21.7**	**21.7**	21.4	20.9	20.6	20.2	19.9	19.8	19.7	19.8
21.9	21.4	20.7	20.1	20.7	20	19.8	19.7	19.4	19.5	19.6	19.6	19.8
19.5	19.2	18.6	18.4	18.6	17.7	17.7	17.6	17.6	17.4	**17.3**	17.5	18.7
19.4	19.1	**19.7**	19.1	19.6	19.5	19.1	19	18.8	18.1	18.6	18.6	18.2
19.7	**20.2**	19.6	19.6	19.1	18.9	19.3	19.4	19.3	18.5	18.5	18.4	18.8
19.4	19.9	19	18.7	18.1	18.8	18.6	17.7	17.7	17.5	17.7	17.7	18.4
19	19.6	**20.4**	19.1	18.6	17.5	17.4	16.8	16.6	16.4	**16.3**	16.4	18
19.8	19.4	19.4	19	19.7	19.6	18.9	19	19.3	18.6	18.6	18.8	18.1
18.8	19.5	19.5	19.8	**20.5**	18.1	18.1	18	17.9	17.9	**17.5**	17.7	18.7
19.6	19.8	18.4	17.8	19.4	17.8	17.7	17.4	17.6	17.5	17.6	17.4	18.4
18.7	18.1	17.6	**16.9**	17	17	17.1	17.2	17.4	17.3	17.6	18	17.8
19.4	**21.6**	20	20.6	20.6	19.1	18.9	17.9	18	**17.6**	17.8	17.7	18.8
20.2	19.5	19.9	**20.9**	20.6	20	20	19.9	19.6	19.6	19.2	19.1	19.1
20.4	19.8	18.9	19.2	19.2	20	19.9	19.6	19.4	19.2	19.2	19.1	19.2
20.3	20	20.3	19.9	20.3	20	20	20.3	19.5	19.5	19.3	18.9	19.7
19.4	19.3	19.6	19.8	19	18.8	18.8	18.6	18.3	17.8	17.9	18	18.8
18.8	19.7	20.2	20.7	**21.3**	20.7	20.6	20.4	20.3	19.9	19.7	19.5	19
21.2	20.8	19.5	**18.3**	19.3	19.7	19.6	19.7	19.5	19.3	19.2	19.2	19.6
19.8	**20.1**	19.8	19.6	19.5	19.1	19	18.9	18.8	18.6	18.5	18.4	**18.9**

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
2	Ci.		Ci.	NNE	Ci.		Ci.				Ci.	
3	Ci.-S.		A.-Cu.		Ci.-S.		A.-Cu.		Ci.-S.		Ci.-S.	
4	Ci.											
5	A.-Cu.		A.-Cu.		A.-Cu.							
6	A.-Cu.				A.-Cu.							
7	A.-Cu.	E	A.-Cu.		A.-Cu.				A.-Cu.			
8	A.-Cu.		Ci.-S.	S	Ci.-S.	S	Ci.-S.	SSE	Ci.-S.		Ci.-S.	
9	Ci.						Ci.		Ci.			
10	Ci.		Ci.				Ci.	SE	Ci.			
11	Ci.		Ci.		Ci.		Ci.					
12							Ci.-S.				A.-Cu.	
13	A.-Cu.		A.-Cu.				A.-Cu.		A.-Cu.			
14			A.-Cu.		Ci.		A.-Cu.					
15	A.-Cu.	ENE	A.-Cu.	E								
16	A.-Cu.	E	A.-Cu.	E								
17												
18	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
19			A.-Cu.						Ci.			
20					Ci.-S.		A.-Cu.		A.-Cu.			
21	A.-Cu.		Ci.		Ci.		Ci.					
22	Ci.		Ci.		Ci.		Ci.-Cu.		Ci.		Ci.	
23	A.-Cu.		A.-Cu.		Ci.		Ci.				A.-Cu.	
24	Ci.-Cu.		A.-Cu.		A.-Cu.							
25	A.-Cu.	E	A.-Cu.						A.-Cu.			
26												
27	Ci.		Ci.									
28												
29					Ci.							
30	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
31	Ci.											

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
2	Cu.		Cu.		Cu.		Cu.	EbyN	Cu.	ENE	Cu.	
3	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E
4	Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	
5	S.-Cu.	E	S.-Cu.	EbyN	S.-Cu.	EbyN	Cu.	E	N.-cf.	E	N.-cf.	E
6	S.-Cu.		S.-Cu.	ENE	Cu.	ENE	Cu.	ENE	N.-cf.	ENE	Cu.	
7	S.-Cu.	NE	Cu.	E	Cu.	E	Cu.-N.		N.-cf.	E	Cu.-N.	
8	Cu.		Cu.		Cu.		Cu.		Cu.	E	Cu.	E
9	Cu.		Cu.		Cu.		Cu.	E	Fr.-Cu.	E	Cu.	
10	Cu.		Cu.		Cu.		Cu.	ENE	Cu.	ENE	Cu.	
11	S.-Cu.	E	S.-Cu.		N.-cf.	E	N.-cf.	E	N.-cf.	E	N.-cf.	E
12	S.-Cu.	E	S.-Cu.	E	Cu.	ENE	Cu.-N.	ENE	Cu.	ENE	Cu.	ENE
13	S.-Cu.	ENE	S.-Cu.	ENE	S.-Cu.	ENE	Cu.	ENE	N.-cf.	ENE	N.-cf.	
14	S.-Cu.		Cu.		Cu.	NE	Cu.	NE	Cu.	NE	N.-cf.	
15	Cu.		Cu.		Cu.		Cu.	NNE	Cu.	NE	Cu.	NE
16	Cu.		Cu.		Cu.	E	Cu.	E	Cu.		Cu.	E
17	Cu.		Cu.		Cu.		Cu.		Cu.	E	Cu.	E
18	Cu.		Cu.		Cu.	NEbyN	Cu.	NE	Cu.	NE	Cu.	
19	S.-Cu.		S.-Cu.	E	S.-Cu.	E	S.-Cu.	E	Cu.	E	Cu.	NEbyE
20	S.-Cu.		S.-Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.-N.	
21	S.-Cu.		S.-Cu.		Cu.		Cu.		Cu.	SEbyE	N.-cf.	SEbyE
22	S.-Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E
23	Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	
24	S.-Cu.	E	S.-Cu.	E	Cu.		N.-cf.	E	N.-cf.	E	N.-cf.	
25	Cu.		Cu.	ENE	Cu.	E	S.-Cu.	E	S.-Cu.	E	Cu.-N.	
26	Cu.		Cu.		Cu.	E	Cu.	E	N.-cf.	E	N.-cf.	
27	Cu.		Cu.		Cu.		Cu.	E	Cu.		Cu.	
28	Cu.		Cu.		Cu.		Cu.	ESE	Cu.		Cu.	
29	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
30	S.-Cu.		S.-Cu.		Cu.		Cu.		Cu.		Cu.	E
31	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Ci.-Cu.		Ci.		Ci.		Ci.		Ci.		Ci.	
Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
Ci.		Ci.-S.	SSE	Ci.-S.	SSE	Ci.-S.	SSE	Ci.-S.		Ci.-S.	
								Ci.-S.			
								Ci.-S.		A.-Cu.	
		A.-Cu.		A.-Cu.	NE						
				Ci.-S.							
A.-Cu.		Ci.	SSE	Ci.		Ci.		Ci.		Ci.	
A.-Cu.						A.-Cu.		Ci.-S.		Ci.-S.	
Ci.		Ci.		Ci.				Ci.-S.		A.-Cu.	
A.-Cu.						A.-Cu.		A.-Cu.		A.-Cu.	
										A.-Cu.	
										Ci.	
						Ci.					
										Ci.	
Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
						Ci.-S.				Ci.-Cu.	
Ci.-S.		Ci.		Ci.-S.							
A.-Cu.										Ci.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		A.-Cu.	SWbyW	Ci.	
						A.-Cu.					
								Ci.-Cu.		Ci.-S.	
		A.-Cu.		Ci.-S.							
										Ci.	
		Ci.				Ci.		Ci.		Ci.-S.	
A.-Cu.		A.-Cu.		A.-Cu.		Ci.		Ci.		Ci.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
		Ci.		Ci.						Ci.	

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Cu.	ENE	Cu.	ENE	N.-cf.	ENE	Cu.-N.	ENE	Cu.		Cu.	
Cu.	ENE	N.-cf.	ENE	Cu.-N.	NEbyE	Cu.-N.		Cu.		Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.		S.-Cu.	
Cu.	E	Cu.-N.	E	Cu.-N.	E	N.-cf.		N.-cf.	E	Cu.-N.	
Cu.-N.		Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	
Cu.-N.	ENE	Cu.	ENE	Cu.		N.-cf.		Cu.	ENE	Cu.	
Cu.-N.	E	N.	E	N.-cf.	E	Cu.	NE	S.-Cu.		S.-Cu.	
S.-Cu.	E	Cu.	E	S.-Cu.	E	S.-Cu.	E	S.-Cu.	E	S.-Cu.	
Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	N.-cf.	E	Cu.-N.		Cu.-N.	
Cu.		Cu.		Cu.		Cu.		Cu.-N.		Cu.	
Cu.		Cu.	E	Cu.		Cu.		Cu.		Cu.	
N.-cf.	EbyN	N.-cf.	EbyN	Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	
Cu.	EbyN	Cu.	EbyN	Cu.	EbyN	N.-cf.	E	Cu.	E	Cu.	
N.-cf.	ENE	Cu.	ENE	Cu.-N.	EbyN	Cu.-N.	EbyN	Cu.-N.	ENE	Cu.	
Cu.	NE	Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
Cu.	E	Cu.	E	Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.-N.		Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	N.-cf.	E	S.-Cu.	E	S.-Cu.	
Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	
Cu.	E	Cu.-N.	E	Cu.		Cu.	E	Cu.		Cu.	
Cu.	E	N.-cf.	E	Cu.	E	Cu.		Cu.		Cu.	
Cu.		Cu.-N.	EbyS	Cu.-N.	ESE	Cu.	ESE	Cu.		Cu.	
Cu.-N.	E	Cu.-N.	EbyS	Cu.-N.	EbyS	S.-Cu.	ESE	S.-Cu.		S.-Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.	ESE	Cu.	ESE	Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	Calm		Calm		Calm		Calm		Calm		NNE	2.5
2	Calm		Calm		NE	0.5	Calm		ENE	1	NNE	.5
3	ENE	0.5	Calm		Calm		Calm		Calm		Calm	
4	Calm		Calm		NNE	.5	E	0.5	Calm		NNE	1.5
5	Calm		Calm		Calm		Calm		Calm		Calm	
6	Calm		Calm		NNE	.5	NNE	1	NNE	1.5	NNE	3
7	Calm		Calm		Calm		ESE	1	ENE	.5	ENE	.5
8	N	1	N	0.5	NE	.5	NNE	.5	N	.5	NW	.5
9	Calm		Calm		Calm		Calm		Calm		Calm	
10	Calm		Calm		Calm		NE	1	NE	1.5	NNE	2
11	Calm		N	.5	N	1	NNE	1	Calm		Calm	
12	Calm		Calm		Calm		NE	.5	NE	.5	ENE	1.5
13	Calm		Calm		Calm		Calm		Calm		Calm	
14	Calm		Calm		NNE	.5	NNE	1.5	NE	1.5	NE	.5
15	NNW	1	NNW	1	NNW	2	NNW	1.5	N	2	Calm	
16	N	.5	Calm		Calm		Calm		Calm		Calm	
17	Calm		Calm		NE	1	N	1	Calm		Calm	
18	Calm		Calm		Calm		Calm		Calm		Calm	
19	N	2.5	N	2.5	N	1.5	N	2.5	N	2.5	NE	1.5
20	N	3	N	3	N	3	N	3	N	2.5	N	2.5
21	NNW	1	NNW	1	N	1.5	N	1	N	2.5	NbyE	2.5
22	Calm		N	1	N	1	N	1	NNE	.5	Calm	
23	N	2.5	N	1.5	ENE	1	NNE	1.5	NE	1.5	NE	1
24	Calm		NW	1.5	Calm		E	.5	Calm		Calm	
25	NE	.5	Calm		Calm		Calm		Calm		Calm	
26	Calm		ENE	1.5	NE	1	NE	.5	NE	.5	Calm	
27	Calm		Calm		Calm		Calm		Calm		Calm	
28	SE	.5	Calm		Calm		Calm		Calm		Calm	
29	Calm		Calm		Calm		Calm		Calm		Calm	
30	ESE	1.5	ENE	1.5	NNE	2	NNE	.5	NNE	1.5	Calm	
31	Calm		Calm		Calm		Calm		Calm		ESE	.5
Mean		0.5		0.5		0.6		0.6		0.7		0.7

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	WbyN	4	W	3	WSW	1.5	SE	5	ESE	4	ESE	3.5
2	W	2.5	WSW	2.5	S	2.5	SE	6	SE	4.5	SE	4
3	WbyS	5	W	3.5	WNW	1.5	ESE	1.5	ENE	2	ESE	2
4	W	3.5	WNW	1.5	Calm		E	3.5	SE	2	SE	3
5	W	1	SW	2	SW	3	WSW	1	Calm		NE	1
6	NNE	1.5	NNE	4	Calm		NE	2	SE	1	Calm	
7	NW	4	WNW	2.5	NNE	2.5	Calm		E	2	ENE	2.5
8	W	1.5	W	1.5	WSW	3.5	Calm		NE	1.5	NE	2.5
9	W	3	W	3	WSW	2.5	NW	1.5	WSW	.5	Calm	
10	WSW	4	WSW	3	WSW	1.5	Calm		Calm		SE	.5
11	W	3	W	2	WbyS	1	Calm		Calm		ESE	1
12	W	4	Calm		SW	.5	Calm		ENE	1	ENE	1
13	WNW	1	S	1	Calm		Calm		NW	1.5	NNE	1.5
14	WSW	1.5	W	3	W	2	Calm		Calm		Calm	
15	SW	2	S	3	S	2	S	2	SE	5	SE	2.5
16	WSW	1	WSW	1.5	ESE	2.5	SE	3.5	E	2.5	ESE	3
17	WSW	1	WSW	2.5	WSW	2.5	WSW	1.5	Calm		Calm	
18	WNW	2.5	WNW	2	W	3.5	SW	3	WSW	3.5	SSW	2
19	WSW	2.5	SW	2	WSW	.5	WSW	3	Calm		SE	2.5
20	NNW	3	NE	1.5	ENE	1.5	NE	.5	Calm		ENE	1.5
21	W	2.5	W	2	WSW	1	SW	1.5	SSE	2	Calm	
22	WbyN	3.5	WSW	2	WSW	3.5	Calm		Calm		ESE	3.5
23	WSW	1	S	1.5	NNE	2	Calm		Calm		ESE	2.5
24	NNE	2	NNE	4	NNE	3.5	NNE	4	N	4	NNE	5
25	Calm		W	2	Calm		Calm		N	3	NNW	3
26	WNW	1.5	WNW	1	WNW	3	S	1.5	SE	3.5	ESE	1.5
27	WNW	3	W	3.5	WSW	2	SW	2	SW	1.5	SSW	2
28	WSW	2	SE	1.5	SE	2.5	SE	1	ESE	3	SE	2
29	W	4	SE	9	ESE	5.5	SE	3.5	ESE	2	SE	2
30	NWbyW	2.5	WNW	3.5	WNW	3	WNW	2	Calm		Calm	
31	NW	1.5	SE	7	ESE	.5	ESE	2	SE	2	SE	2.5
Mean		2.4		2.6		2		1.8		1.7		1.9

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
Calm		Calm		NNE	0.5	NW	1.5	NW	1.5	WNW	4
ENE	1	Calm		Calm		WNW	1	W	2.5	W	5.5
Calm		Calm		ESE	1.5	ESE	1.5	NW	3	WNW	4.5
Calm		NNE	1.5	NNE	2	NNE	2	W	4	WSW	2
Calm		Calm		Calm		NE	1.5	NNW	1.5	NNW	1
N	2	N	2	NNE	2	NE	1.5	NNE	1.5	NNE	3
Calm		Calm		ESE	1.5	WSW	1.5	WSW	1.5	WSW	1
NNW	2	NNE	1.5	Calm		WNW	1.5	W	1	W	2
Calm		NNE	2.5	Calm		WNW	1.5	WbyS	3.5	W	3
NNE	.5	NNE	1.5	NE	2	NE	.5	Calm		WSW	3.5
Calm		Calm		NW	1.5	W	3	W	2	W	3.5
ENE	.5	Calm		Calm		S	1	NW	1.5	WNW	3
N	1	N	2	ENE	1	NE	.5	Calm		WNW	2
NNE	2	NNE	3	NNE	5	N	5.5	NW	3	NNW	2
NNE	.5	NE	1	Calm		Calm		WNW	3.5	WSW	4.5
Calm		Calm		WSW	1	NW	1	WSW	3	WSW	2.5
Calm		Calm		Calm		W	3	WNW	3	NW	3
Calm		NNE	.5	NNE	3.5	NNE	2	NW	2	WNW	3.5
NE	1.5	N	3	NNE	2.5	NE	1.5	Calm		E	2
NNE	1.5	N	4.5	NbyE	2	N	1.5	N	2	WNW	2.5
NNE	1	NE	1.5	Calm		W	1.0	NW	1.5	NNW	1.5
Calm		SE	1.5	Calm		W	2.5	W	4	WNW	2
Calm		Calm		ESE	1	SW	1.5	SW	2	W	1
Calm		Calm		Calm		SW	.5	WSW	1.5	Calm	
Calm		Calm		SW	1	WSW	1.5	W	1.5	WbyN	1.5
Calm		Calm		Calm		WNW	3.5	NW	2.5	WNW	3.5
Calm		Calm		Calm		Calm		WSW	3	WbyN	3.5
Calm		Calm		Calm		WSW	1.5	WSW	1	WbyS	2.5
Calm		Calm		E	1	NNW	1	WNW	1.5	WNW	3.5
Calm		NE	1.5	Calm		NNW	2	NW	3.5	WNW	4
Calm		Calm		Calm		Calm		WSW	3	WSW	2.5
	0.4		0.9		0.9		1.5		2.1		2.7

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		12 m. n.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Force.
ESE	3.5	ESE	1	Calm		Calm		Calm		Calm		1.5
ESE	2	ESE	2	SE	1.5	SE	2	SE	0.5	ESE	0.5	1.8
SEbyE	2	Calm		Calm		Calm		Calm		Calm		1.2
Calm		Calm		Calm		Calm		Calm		Calm		1.1
NNE	1.5	Calm		Calm		Calm		NNW	.5	Calm		.6
Calm		Calm		Calm		Calm		Calm		Calm		1.1
Calm		Calm		Calm		ESE	.5	Calm		Calm		.9
NNE	1	Calm		Calm		Calm		Calm		Calm		1
S	2	Calm		Calm		Calm		Calm		Calm		1
SSE	2	SE	.5	S	1	Calm		Calm		Calm		1
SSW	1.5	S	1.5	Calm		Calm		NNW	2	Calm		1
Calm		Calm		Calm		Calm		SE	.5	Calm		.6
Calm		Calm		Calm		E	.5	NE	1	Calm		.5
Calm		ENE	.5	Calm		Calm		NNW	1	Calm		1.4
ESE	4	SE	3	SE	2.5	Calm		Calm		Calm		1.8
ESE	.5	ESE	1	ESE	1	ESE	1	Calm		Calm		1.3
SSE	3	Calm		Calm		Calm		Calm		Calm		.9
SSW	2	Calm		NNW	1	NNW	3	N	2.5	N	3	1.6
NNE	.5	N	3	N	3	N	4	N	3	N	3.5	2.1
Calm		N	2	Calm		Calm		Calm		Calm		1.7
NE	3	Calm		Calm		Calm		Calm		Calm		1.2
ESE	3	Calm		Calm		Calm		N	.5	N	2	1.3
ESE	.5	SE	1	SE	.5	Calm		NE	.5	Calm		1
NNE	3	N	3	NE	.5	E	2	N	.5	Calm		1.5
NNE	3	NNE	2.5	NNE	1	NNE	1	Calm		Calm		.9
SE	2.5	SE	1	Calm		Calm		Calm		Calm		1.2
SSW	1	SW	1	Calm		NE	.5	Calm		Calm		1
Calm		Calm		SE	1	E	.5	Calm		NE	.5	.8
SEbyE	1.5	E	.5	E	.5	E	1	ESE	1.5	ESE	1	1.6
Calm		SE	1.5	SE	2	SE	1.5	ESE	1	E	1	1.5
SE	3	SE	3	SE	2	ESE	1	ESE	1.5	ESE	1	1.4
	1.5		0.9		0.6		0.6		0.5		0.4	1.2

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	1	1.5	0	1	1.5	3	5.5	6	5.5	5	7.5	13
2	0	.5	1	0	1	3.5	1.5	.5	.5	2.5	6.5	8.5
3	2.5	3	2	1.5	1.5	2	0	.5	3.5	3	5	16
4	1.5	1.5	4	3	1.5	1.5	1.5	2	5.5	3	6.5	11.5
5	0	0	0	0	0	0	0	0	2	4.5	9	4.5
6	.5	2.5	3.5	5.5	9	7	11	12.5	12.5	10	7	10
7	0	0	1.5	3	1.5	1	1.5	.5	.5	1	4.5	7.5
8	0	1	2	.5	1	1.5	1.5	4.5	1.5	5	9	9
9	1.5	0	0	0	.5	.5	2	3	5	7	6	7.5
10	0	1.5	1.5	1.5	5	7.5	5	4	7.5	6.5	4.5	7
11	5.5	2	3	1	3	.5	2.5	2	1.5	3.5	8	10
12	1	.5	0	2	2.5	4	4	2	1	2	8.5	13.5
13	.5	0	.5	1	.5	1	2	7	7.5	4.5	1.5	8
14	.5	1	1.5	4	6	4	5	10	13	13	14	10
15	3	3.5	6	6.5	5	4	4	4	5	5	10	14
16	2.5	2.5	.5	0	2.5	1.5	2	1	3.5	6	10	9.5
17	.5	2.5	2.5	4	4	3	3	.5	.5	5	7.5	16
18	0	1	1	1.5	.5	.5	1	1.5	11	11	13	16
19	12	12	8.5	11	11	10.5	9	8.5	15.5	11	9	6
20	10.5	10	15	11	11	10	10	11	10	9	5	3.5
21	3.5		6	1	3	5	4	2	2.5	2.5	11.5	13
22	1	1.5	5.5	4.5	4	1	0	.5	1	5.5	11.5	11.5
23	8	5	4	2.5	5	2.5	1.5	2.5	1.5	3.5	7.5	9.5
24	0	1.5	0	0	0	0	0	.5	.5	4	9	6
25	3	3	1	.5	0	0	0	0	3.5	4	4	6
26	1.5	1	2.5	1	0	1	0	0	1	4	15	14
27	2	.5	1.5	2.5	.5	0	0	0	.5	4.5	10.5	14
28	2.5	2.5	0	1	.5	1	2.5	2.5	1	2.5	9.5	8.5
29	3.5	2	.5	0	.5	.5	.5	.5	1	7	13	12.5
30	5.5	4.5	5	1.5	3.5	3.5	1	4	5.5	7	9.5	14
31	2.5	.5	0	0	1.5	1.5	1	1	2.5	4	8.5	10.5
Mean	2.5	2.2	2.6	2.3	2.8	2.7	2.7	3	4.3	5.4	8.4	10.3

AMOUNT OF CLOUDS (0–10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	3	4	3	4	3	4	8	9	8	8	10	8	6	8 10
2	5	4	3	3	4	3	8	8	5	3	2	3	4.2	9 00
3	2	5	4	4	7	7	4	5	6	7	7	5	5.2	7 25
4	2	2	2	3	6	8	9	9	9	9	9	8	6.3	5 00
5	8	9	5	4	7	7	9	8	6	7	8	9	7.2	5 45
6	7	10	5	4	8	8	9	9	5	6	3	2	6.3	6 00
7	9	9	8	10	9	10	10	10	6	6	7	7	8.4	4 50
8	7	9	8	8	10	4	7	6	8	6	5	4	6.8	5 55
9	2	2	2	2	5	7	9	10	10	9	6	6	5.8	5 10
10	3	3	2	4	3	4	3	2	2	1	2	3	2.7	9 00
11	9	3	9	5	5	6	2	4	2	3	2	3	4.4	8 15
12	10	10	9	10	10	9	8	8	8	8	5	7	8.5	5 35
13	9	8	5	8	8	10	7	8	7	7	6	6	7.4	4 15
14	9	6	7	8	6	7	7	8	8	10	10	8	7.8	5 20
15	9	7	1	2	4	3	3	2	2	2	2	5	3.5	8 50
16	8	3	3	4	4	7	8	6	4	4	2	2	4.6	7 45
17	1	1	1	2	6	7	3	3	2	3	3	2	2.8	8 25
18	4	3	3	4	4	4	3	3	3	3	2	2	3.2	9 15
19	3	9	10	9	9	9	9	8	3	2	2	2	6.2	6 05
20	10	10	10	10	10	10	10	9	5	9	7	4	8.7	2 50
21	3	2	2	3	8	9	5	5	4	5	6	6	4.8	8 00
22	2	3	3	4	4	6	7	8	7	8	7	3	5.2	7 15
23	10	9	8	5	7	7	9	9	9	9	9	5	8	4 30
24	9	5	4	7	8	9	6	9	10	9	10	10	8	4 45
25	8	8	9	10	9	10	9	10	9	8	6	7	8.6	2 10
26	2	2	2	4	6	6	4	5	4	4	3	2	3.7	10 00
27	3	2	1	2	3	2	3	3	2	1	1	2	2.1	9 30
28	2	2	1	3	2	3	3	3	2	2	2	6	2.6	9 15
29	2	1	1	1	3	5	6	5	5	3	4	4	3.3	9 35
30	9	10	10	10	10	9	8	8	8	9	9	8	9	8 20
31	3	2	1	2	2	2	3	4	4	2	1	9	2.9	9 55
Total														216 05
Mean	5.6	5.3	4.6	5.1	6.1	6.5	6.4	6.6	5.6	5.6	5.1	5.1	5.6	6 58

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–Mdt.	Mean.
14.5	7.5	4.5	11	**14.5**	9.5	6.5	5	2.5	1	0	0.5	5.3
10	7	5	**14**	**14**	11.5	8.5	9	8.5	6	4.5	2.5	5.3
12	11	10	5.5	5	4	6	4.5	.5	.5	.5	.5	4.2
9.5	6	5	6.5	10	7	2.5	.5	0	1.5	1	0	3.9
7.5	5.5	**9**	2.5	.5	1	1	0	1	3.5	2	2	**2.3**
10.5	5.5	7	9	9	4	1	0	3	.5	0	.5	5.9
9.5	5.5	2.5	1.5	6.5	4	1.5	.5	.5	1.5	1	.5	2.4
10	9	8.5	5.5	7.5	8.5	2	.5	1	.5	0	2.5	3.8
5.5	**9.5**	8	**9.5**	5	0	0	.5	.5	0	0	1	3
7	**8**	7.5	3	2.5	4.5	4.5	5	4.5	5.5	0	6	4.6
8	8	5	.5	1	.5	1.5	4.5	4	1	7	4	3.6
12	4.5	4	4.5	9	5.5	2	0	3	0	1.5	3	3.8
7	4	2.5	2.5	3.5	6.5	2	1	3	2	5	1	3.1
3.5	6.5	8	2	3	1	3	2.5	2.5	2	2	3	5
11	9	5.5	4.5	10.5	8.5	7	8	6.5	3	0	.5	6
9.5	7	7	**17**	14	8	7.5	5	3.5	4	2.5	0	5.3
10	8	7	3	3	.5	4.5	3.5	.5	.5	1.5	1	3.8
17	14	12.5	9.5	15	12	6.5	5	3	9.5	10.5	10.5	7.6
10.5	10.5	9	7	7	8	4	9	13	11	11	9.5	**9.7**
7.5	2	2	4.5	5.5	4.5	2	6	1	0	0	.5	6.3
9	7	5	4.5	4.5	3	4	1	.5	1	1	0	4
15	8	7	2	0	3	4.5	2.5	0	1.5	1.5	5	4.1
8	6.5	**9.5**	2	1.5	5.5	2.5	2	0	.5	.5	0	3.8
11	11	12	**17**	**17**	15	12	10	5	2	6	1	5.9
5.5	5	6	1	9.5	7.5	**10.5**	10	4.5	.5	1	0	3.6
12	8	7	6	7	10	7	5	2.5	1	0	.5	4.5
13.5	10.5	8.5	8.5	8.5	9.5	5.5	5	.5	1.5	2	1	4.6
11.5	9.5	7	**11.5**	9.5	7	4	0	3	2	2	3	4.3
11	13.5	**17.5**	17	14.5	11.5	7	5	2.5	2.5	4.5	5.5	6.4
14.5	9	9	5.5	3	2	1.5	4	6.5	6	4.5	2.5	5.5
8	11	12	13	**15.5**	10.5	10	11	8	2.5	1.5	2.5	5.8
10	8	7.4	6.8	7.6	6.2	4.6	4	3.1	2.4	2.4	2.3	4.8

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1		2				4	1					1	1	2	2		11	127.5	3.3	
2		1	1	2		3	6		1			1	3	1			5	126.5	3.3	
3				2		4	1						2	2	1		12	100.5	2.8	
4		5			2		2					1	2	1			11	92.5	2.3	0.3
5		1	2								2	1	1			3	14	**55.5**	2.4	
6	2	9	2				1										10	141	2.2	1.4
7		1		3	1	3						3		1	1		11	57.5	2.4	
8	3	3	3									1	4	1	1	1	7	92	3	
9		1							1			2	4	1	1		14	72.5	2.6	
10		3	4				2	1	1			4					9	109.5	3.6	
11	2	1				1			1	1			6		1	1	10	87.5	3.3	
12			2	4			1		1		1		1	1	1		12	90	2.6	.3
13	2	1	2	1	1				1					2	1		13	74	2.7	
14	1	5	2		1							1	2		1	2	9	121	2.8	
15	1	1	1			1	4		3		1	1		1		4	6	144	3.3	
16	1				1	6	1					5			1		9	126.5	3.4	
17	1		1					1				4	1	1	1		14	92	2.7	
18	2	3								2	1	1	1	3	1	2	8	183	3.9	
19	11	2	3		1		1				1	3					2	**233.5**	3.5	
20	10	2	2	2										1		1	6	151.5	2.1	
21	3	2	2					1			1	1	3		1	3	7	95.5	3.6	
22	5	1				2	1					2	2	2			9	97.5	3.1	
23	2	2	3	1		3	2		1		2	1	1				6	91.5	2.3	
24	3	6	1		2						1	1			1		9	140.5	2.9	1.5
25	1	4	1								1	1	2	1		1	12	86	**1.3**	**4.6**
26			3	1		1	3		1					5	1		9	107	3	
27			1							2	3	2	1	2			13	111	3.3	
28			1		1	1	6					3	1				11	104	3.5	
29					4	4	4						1	2		1	8	153.5	4	
30		3	1	1	1	2	3							4	2	1	6	132.5	3.7	
31						6	6					2			1		9	139	**4.7**	
Total	50	59	38	17	15	41	45	3	11	5	14	42	39	34	19	20	292	3,536	93.6	8.1
Mean	1.6	1.9	1.2	0.5	0.5	1.3	1.5	**0.1**	0.4	0.2	0.5	1.4	1.3	1.1	0.6	0.6	**9.4**	114.1	3	0.3

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°C.		*Per cent.*	*mm.*	*mm.*		°C.		*Per cent.*	*mm.*
1	762.60	8.50a.	30.4	3.05p.	96	19.9	**760.40**	2.40p.	18.7	5.10a.	66	15.7
2	62.15	8.45a.	30.4	3.25p.	96	20.2	59.25	3.05p.	19.8	5.05a.	64	16.8
3	62.75	9.15a.	29.8	1.35p.	97	**19.1**	60.20	3.20p.	18.7	6.25a.	63	16.2
4	62.95	8.45a.	29.4	0.20p.	98	20.6	**60.40**	3.20p.	**18.4**	5.55a.	67	**15.5**
5	63.40	9.10a.	31.5	0.30p.	98	**22.7**	60.07	3.00p.	21.6	6.35a.	66	**19.2**
6	63.04	8.00a.	31.8	0.35p.	94	22.4	59.90	3.45p.	**22.6**	11.55p.	67	18.6
7	63.55	10.30p.	30.8	3.15p.	93	22.3	60.10	3.30p.	21.8	6.15a.	70	18
8	**63.80**	8.55a.	30.1	2.40p.	92	19.5	60.25	3.35p.	20.2	6.30a.	65	16.3
9	61.10	0.05a.	30.6	1.15p.	94	20.3	57.90	2.45p.	19.3	6.10a.	65	16.1
10	59.70	8.50a.	31.3	3.40p.	**99**	21.5	55.99	4.00p.	21.2	4.35a.	65	18.8
11	59.66	9.00a.	31.2	3.55p.	95	22.1	56.02	4.00p.	22.2	3.10a.	67	18.9
12	60.30	10.15p.	31	1.55p.	93	21.4	57.70	4.10p.	22.1	11.55p.	60.5	16.7
13	61.55	11.00p.	31	1.15p.	**90**	20	59.35	3.35p.	21.1	3.30a.	64	16.6
14	62.02	9.00a.	31.6	3.05p.	92	21.7	58.85	3.35p.	22.1	1.10a.	65	18.2
15	61.05	8.50a.	31.5	3.20p.	92	21.9	57.30	4.05p.	21.4	6.05a.	64	18.3
16	60.70	9.40a.	30.8	2.15p.	96	20	58.45	4.10p.	20.7	11.50p.	63	17.3
17	61.06	9.00a.	30.7	2.50p.	**99**	19.7	58.30	3.15p.	19.1	6.25a.	63	16.3
18	61.90	8.20a.	31.4	2.50p.	98	20.2	58	3.20p.	20.2	6.35a.	61	17.2
19	61.84	9.00a.	30.8	0.10p.	93	20.2	59.06	4.00p.	20.4	6.30a.	62	17.3
20	62.15	10.00a.	29.8	3.05p.	93	20.4	59.70	3.20p.	20.6	12m.n.	68	16.3
21	61.79	9.00a.	31	3.15p.	94	19.8	58.75	3.30p.	20	5.50a.	63	15.9
22	61.75	8.40a.	30.9	2.50p.	94	20.5	58.24	3.00p.	21.4	6.35a.	61	17.5
23	60.60	8.35a.	29.2	0.55p.	97	20	57.20	3.15p.	21.2	2.55a.	63	17.2
24	59.80	10.20p.	29.8	0.55p.	96	19.8	56.55	3.00p.	20	5.20a.	61	16.9
25	60.50	9.35a.	**28.6**	4.30p.	96	21.6	57.60	4.00p.	21.4	6.25a.	**72**	17.6
26	59.45	9.55a.	30.8	4.05p.	97	20.9	56.45	3.45p.	20.4	4.40a.	64	17.5
27	59.30	9.20a.	31.2	3.40p.	97	20.9	55.45	4.15p.	20.4	5.40a.	60	17.5
28	**58.55**	10.00a.	32.7	3.05p.	96	21.7	**55.40**	3.45p.	21.2	6.05a.	57	18.3
29	59.35	9.20a.	32.4	3.40p.	**99**	20.9	55.60	3.45p.	20.2	6.35a.	59	17.6
30	59.46	10.00a.	31.7	3.55p.	94	21.3	56.40	3.45p.	20.7	9.30a.	59	17
31	59.35	9.20a.	**33.5**	3.05p.	96	21.4	55.85	3.45p.	21.1	6.50a.	**52**	18.3
Mean	761.20	-------	30.9	-------	95.3	20.8	758.09	-------	20.7	-------	63.4	17.3

DAILY GENERAL REMARKS.

1---Slight coloration of upper clouds at sunrise and sunset; ⊤° E in the evening.
2---Coloration of Ci. at sunset.
3---Light breeze in the afternoon.
4---●° at night.
5---Cloudy weather.
6---●° early in the morning and in the afternoon.
7---d° in the afternoon.
8---∞ in the forenoon.
9---Coloration of Ci.-S. at sunset.
10---Convergence of Ci. toward S in the morning.
11---Cloudy weather.
12---p° in the afternoon.
13---Overcast.
14---⌒ 7.30 a.
15---Coloration of Ci. at sunset.
16---Cloudy weather.
17---Fair weather.
18---Coloration of upper clouds at sunset.
19---Cloudy weather.
20---d°, coloration of upper clouds at sunset.
21---☌ early in the morning.
22---Cloudy weather.
23---○, p° in the afternoon.
24---● at night.
25---● in the early morning and in the afternoon; coloration of lower clouds at sunset.
26---Cloudy weather.
27---Coloration of upper clouds at sunset.
28---≡, ☌ early in the morning; coloration of upper clouds at sunset.
29---≡, ☌ early in the morning.
30---Coloration of clouds at sunrise.
31---Gentle breeze in the afternoon.

OBSERVATIONS FOR FEBRUARY, 1911.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	57.95	57.80	57.60	57.50	57.65	57.84	58.11	58.51	58.84	**58.96**	58.47	57.86
2	58.70	58.65	58.50	58.35	58.55	59.09	59.59	60.14	**60.56**	60.37	60.14	59.52
3	59.45	59.15	58.95	58.90	58.95	59.47	60.04	60.74	61.17	**61.22**	60.54	60.13
4	60.80	60.40	60.15	60.10	60.30	60.88	61.44	61.74	62.05	62.08	61.75	61.43
5	62.15	61.90	61.50	61.45	61.60	61.94	62.34	62.94	63.08	**63.60**	62.98	62.55
6	61	60.70	60.40	60.20	60.30	60.57	61.01	61.20	**61.35**	61.34	60.93	60.49
7	60.65	60.35	60.30	60.30	60.65	61.01	61.41	61.74	**62.11**	61.92	61.45	60.75
8	60.35	60.05	59.85	59.85	60.05	60.55	61.01	61.19	**61.48**	61.17	60.88	60.59
9	60.70	60.15	59.65	59.50	59.80	60.01	60.78	61.34	61.70	61.58	61.09	60.34
10	61.50	61.20	61.10	61.20	61.55	61.92	62.26	62.98	**63.34**	63.27	62.92	62.32
11	63.10	62.70	62.30	62.05	62.15	62.50	62.84	63.28	**63.54**	63.42	63	62.59
12	62.85	62.15	62	61.95	62.05	62.24	62.75	62.85	**63.58**	63.53	62.82	62.19
13	62.40	62	61.75	61.60	61.65	62.01	62.48	62.85	63.38	**63.50**	63.25	62.57
14	61.55	61.10	60.85	60.75	60.95	61.40	61.95	62.29	**62.54**	62.40	61.90	61.27
15	61.15	61	60.75	60.35	60.25	60.53	60.96	61.45	**61.58**	61.54	61.12	60.55
16	59.80	59.65	59.40	59.30	59.45	59.59	59.93	60.33	**60.74**	60.59	59.98	59.44
17	59.45	59.05	58.75	58.55	58.65	58.89	59.41	60.01	60.34	**60.45**	60.03	59.54
18	59.25	58.95	58.80	58.75	58.80	59.04	59.55	59.97	60.40	60.52	60.20	59.85
19	61.05	60.85	**60.50**	**60.50**	60.75	60.98	61.53	62.04	62.45	62.62	62.22	61.73
20	62.95	62.65	62.60	62.70	62.75	63.26	63.61	64.01	**64.43**	**64.43**	63.78	63.12
21	63.15	62.65	62.30	62.20	62.40	62.63	62.95	63.55	**63.60**	63.43	62.97	62.45
22	62.25	61.55	61.30	61.05	61.15	61.29	61.76	62.16	**62.40**	**62.40**	61.83	60.95
23	61.35	60.90	60.60	60.65	60.95	61.33	61.90	62.34	62.45	62.71	62.18	61.25
24	62.75	62.30	62.20	62	62.15	62.68	63.23	63.79	63.91	**64.10**	63.52	62.79
25	62.75	62.10	62.05	61.70	62.05	62.45	62.91	63.14	63.60	**63.63**	63.12	62.35
26	61.40	60.85	60.50	60.40	60.45	60.82	61.29	61.78	61.99	**62.12**	61.64	61.03
27	60.70	60.30	60	59.95	60.05	60.55	61.08	61.29	61.44	**61.60**	61.24	60.30
28	60.45	60	59.70	59.65	59.80	60.17	60.51	60.73	61.08	**61.17**	60.83	60.34
Mean	61.13	60.75	60.51	60.41	60.57	60.92	61.38	61.80	62.11	**62.13**	61.67	61.08

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	23.2	22.8	22.4	22	21.6	**21.3**	21.5	25.2	28.3	28.4	27.6	31.1
2	23.2	22.7	22.1	22	**21.6**	**21.6**	22	24.8	27.7	27.7	28.6	28.4
3	24.6	23.9	23.8	23.4	23.3	22.7	22.8	25.5	26.8	28.1	28.3	27.7
4	21.7	21.4	21.1	20.6	20.4	**20.3**	20.6	23.1	26	28.5	28	27.3
5	22.7	22.7	22.5	22.3	22.2	22.2	22.4	23.8	**26.4**	24.1	25.2	25.6
6	21.8	21.6	**21.5**	21.6	21.7	21.8	21.8	22.8	23.9	24.5	24.8	25.8
7	22.8	22.8	22.5	**22.4**	22.5	22.7	22.6	24.4	25.8	26.5	28.1	28.8
8	23	22.6	22.6	22.3	22.2	22.3	22.3	24.2	26.9	27.2	27.5	26.5
9	20.8	20.2	20	19.2	**19**	19.3	20.2	23.4	26.3	27.7	30	30.5
10	21.3	21.7	20.6	19.8	19.6	**19.3**	19.7	25	27.2	27.6	28.1	30.1
11	22.1	22	22.3	22.2	22	**21.2**	**21.2**	24.5	27.6	29	**29.2**	28
12	22.7	22.5	22.6	22.5	22.1	**22**	22.2	25.5	24.6	27.8	29.5	**31.3**
13	22.4	22.7	22.5	22.5	23	22.8	23	24.3	24.4	25.6	26.1	28.1
14	20.3	20.2	20.3	**20**	20.3	20.4	20.9	23	24.7	27.3	26.6	28.4
15	21.4	21.1	20.5	20.1	19.9	**19.4**	19.8	23.7	26.4	27.3	26.9	27.8
16	22.2	22	21.7	21.3	20.8	**20.5**	20.8	23.7	26	28	28.1	27.9
17	22.3	21.7	21.1	20.8	**20.3**	20.9	22	23.9	27.5	27.5	28.3	29
18	23.4	23.3	22.4	21.5	**21.4**	21.5	22.4	24.7	27.1	28.4	28.7	28.6
19	22.8	22.7	23.1	23.2	22.1	**21.9**	23	25.5	26.6	28.2	28.6	**29.6**
20	22.8	22.8	21.9	**21.8**	22.1	22	22	23.9	26.9	28	27.1	28.8
21	22.3	22.3	22.3	22.3	22.5	22.3	21.7	23.2	25.3	27.4	27.3	26.9
22	20.5	19.9	19.2	18.9	**18.5**	18.9	19.3	22.2	25.7	26.5	26.2	26.7
23	21.1	20.6	20	19.4	19	**18.8**	19.6	22.9	26.7	26.4	27.5	27.7
24	22.7	21.8	20.8	19.6	19	**18.9**	19.8	23.6	25.8	26.6	27.2	27.6
25	22.3	21.5	20.6	**20.3**	21	21	21.7	25.8	26.5	27.2	27.7	28.9
26	23.8	23.5	23.2	22.8	22.5	**22.1**	22.8	24.2	26.9	26.7	**27.5**	26.2
27	22.4	22.2	22.1	**21.9**	22.1	22.2	22.5	24	26.4	25	25.8	27.8
28	23	22.2	21.6	**21.5**	22	22.1	22.5	23.3	25.6	26.3	27.4	27.5
Mean	22.3	22	21.7	21.4	**21.2**	**21.2**	21.5	24.1	26.3	27.1	27.6	28.2

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
57.35	56.47	**56.15**	**56.15**	56.40	56.97	57.56	58.10	58.55	58.65	58.70	58.70	**57.78**
58.79	58.14	57.77	57.62	**57.60**	57.82	58.19	58.70	59.20	59.50	59.65	59.55	58.95
59.41	58.63	58.19	58.11	**58.08**	58.62	59.12	59.85	60.45	60.95	60.90	60.90	59.66
60.71	59.84	**59.34**	59.44	59.81	60.22	60.62	61.25	61.85	62.05	62.20	**62.40**	60.95
61.94	61.64	61.04	60.98	**60.70**	60.95	61.05	61.30	61.40	61.50	61.30	61.05	61.79
59.94	59.30	**59.01**	**59.01**	59.32	59.65	60.24	60.60	61.10	**61.35**	61.30	61.10	60.48
60.22	59.65	59.25	**59.13**	59.23	59.51	59.81	60.15	60.65	60.80	60.80	60.70	60.52
59.93	59.39	59.08	**59**	59.18	59.50	59.70	60.15	60.85	61.20	61.35	61.10	60.31
59.71	59.11	**58.91**	59.03	59.17	59.84	60.39	60.75	61.20	61.55	**61.80**	61.75	60.41
61.63	60.98	60.72	**60.66**	60.90	61.77	62.07	62.75	62.95	63.15	63.30	63.25	62.07
61.98	61.41	61.38	**61.29**	61.82	62.14	62.53	62.90	63.10	63.40	63.50	63.30	62.59
61.96	61.11	60.68	**60.58**	61.07	61.37	61.85	62.15	62.65	62.95	62.80	62.80	62.21
62	61.07	60.44	**60.34**	60.74	61.28	61.53	61.95	62.10	62.20	62.15	61.90	61.96
60.62	59.90	**59.62**	59.74	60	60.63	60.90	61	61.15	61.45	61.55	61.40	61.12
59.82	59.03	58.39	**58.16**	58.40	58.79	59.14	59.60	59.85	59.85	59.85	59.90	60.08
58.85	58.34	**57.84**	57.97	58.13	58.41	58.74	59.30	59.85	59.75	59.80	59.55	59.36
58.82	58.29	57.79	**57.64**	57.85	58.07	58.63	59.20	59.50	59.50	59.60	59.50	59.06
59.37	58.82	**58.61**	58.71	59.21	59.59	60.20	60.70	61.15	**61.35**	61.30	61.15	59.76
61.41	61.04	60.87	60.99	61.35	61.74	62.25	62.90	63	63.10	**63.25**	63.10	61.76
62.49	61.82	**61.41**	61.42	61.72	62.02	62.92	63.40	63.65	63.70	63.80	63.65	**63.01**
61.62	60.78	**60.37**	60.52	61.29	61.55	61.77	62.20	62.65	62.75	62.85	62.65	62.30
60.21	59.48	**58.90**	59.02	59.16	59.57	60.03	60.70	61.25	61.55	61.80	61.55	60.97
60.39	59.69	59.12	**59.04**	59.48	59.87	60.71	61.50	62.30	62.80	**63**	**63**	61.23
61.72	61.13	60.63	**60.59**	61	61.37	62.04	62.65	63.25	63.35	63.35	63	62.48
61.56	60.53	60.31	**60.23**	60.53	61.03	61.52	61.90	62.15	62.15	62.15	61.90	61.99
60.40	59.60	**59.50**	59.70	59.89	60	60.45	60.85	61.35	61.35	61.20	61.20	60.82
59.57	58.82	58.18	**57.92**	58.23	58.58	59.19	59.85	60.65	60.85	61	60.75	60.09
59.60	58.62	58.08	**58.02**	58.41	58.86	59.38	59.90	60.55	60.80	61.05	60.90	59.94
60.43	59.74	59.34	**59.32**	59.60	59.99	60.45	60.94	61.37	61.56	61.62	61.49	60.84

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
32.2	**32.4**	32.3	31.6	29.7	27.8	26.7	25.9	25	24.7	24.6	24.1	**26.4**
29.3	29.9	30.1	**30.5**	29.6	27.6	26.4	25.7	25.6	25.2	24.9	24.4	25.9
29.7	**31.3**	31	30.1	28.4	26.8	25.8	24.9	23.7	23.3	23.1	**22.6**	25.9
28.8	29.3	**30.8**	29.5	28.9	27	25.7	25.1	24.3	23.6	23.5	23.1	24.9
26.4	24.8	25.6	25.4	25.6	24.6	23.9	23.7	23.6	22.5	22.3	**21.6**	23.8
25.8	**27.1**	26	26.2	24.5	24.3	24	23.8	23.6	23.4	23.3	23	**23.7**
29.2	28	27.9	27.6	26.5	25.3	24.8	23.8	23.3	22.7	22.9	23	24.9
26.9	27.7	27.6	**28.1**	25.3	24.1	23.8	23.3	22.5	21.4	20.9	**20.7**	24.2
30.1	**31**	29.5	29.2	28	26.2	24.6	23.3	22.8	22.2	21.6	22.2	24.5
30.6	**30.8**	30.6	30	27.8	25.9	24	23.2	22.5	21.9	21.7	21.5	24.6
28.7	28.7	25.6	25.5	24.9	24	23.7	23.3	23.1	23	23	22.8	24.5
28.6	29.7	29.5	28.9	25	24.5	24.1	23.8	23.4	23	22.4	22.3	25
27.9	29	28.6	**29.3**	28	25.3	23.9	23	22.3	21.4	**20.7**	**20.7**	24.5
28.2	**28.9**	28.5	28.2	27.6	26.7	25.6	24.3	23	22.2	22.2	22.1	24.2
28	28.4	29.3	**29.7**	28.3	27.6	25.8	24.5	23.5	22.8	22.7	22.5	24.5
27.8	27.7	29	**30.8**	29.3	26.6	25.7	24.7	23.7	22.7	22.9	22.7	24.9
28.2	29	29.7	**30.6**	29.5	27.3	26.1	25.4	24.4	24.1	23.4	23.2	25.3
29.6	**30.7**	29.9	29.5	28.4	26.8	26	25.6	25.1	24.6	24.3	23.7	25.7
27.8	27.5	26.6	26.8	26.3	25.2	24.1	23.3	23.4	23.3	23.2	23	24.9
28.2	28	27.8	**28.9**	26.5	25.2	24.1	23.3	23	22.7	22.4	22.4	24.7
27.6	**28.1**	27.6	27.2	26.5	25.4	24.1	23.1	22.2	21.4	21.1	**20.5**	24.2
27.8	28.5	29	**29.1**	28	25.8	24.8	23.9	22.9	22.1	21.9	22	**23.7**
28.5	29	29.1	**29.7**	28.5	26.6	25.6	24.7	23.7	24.1	24.3	23	24.4
28.2	28.5	28.9	29.4	**29.6**	26.8	25.3	24.1	23.3	22.9	22.6	22	24.4
29.8	**29.8**	27.8	29.7	27.8	26.3	25.5	24.8	24.5	24.2	24.3	24.1	25.1
27	26.1	24.6	24.7	24.7	24.1	23.9	23.9	23.1	23	22.8	22.6	24.3
27.1	28.2	28.7	**29.1**	28.6	27	26.2	25.6	25.5	24.2	23.7	22.9	25
28.2	**29.5**	28.9	29.4	27.6	26.2	25.7	25.4	25.3	24.5	24.4	23.2	25.1
28.4	**28.8**	28.6	28.7	27.5	26	25	24.3	23.7	23.1	22.9	22.6	24.8

RELATIVE HUMIDITY (%).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	89	89	90	90	91	**93**	91	78	68	68	**77**	64
2	91	89	93	93	93	93	**96**	89	81	79	75	76
3	84	86	88	90	91	**93**	**93**	81	74.5	71	67	68
4	88	90	91	**92**	**92**	**92**	91	83	73	65	70	72
5	89	90	92	93	94	**95**	**95**	86	79	86	82	81
6	96	**98**	**98**	**98**	**98**	**98**	**98**	93	90	88	89	85
7	86	84	**87**	**87**	84	82.5	81	75	71	66	57	**51**
8	82	85	85	88	89	**91**	**91**	78	59	57	60	**63**
9	88	91	91	95	96	**98**	93	79	68	58	**48**	**48**
10	88	86	91	**94**	93	**94**	**94**	74	66	61	58	52
11	80	82	81	83	82	83	82	69	62	**59**	60	65
12	**99**	98	97	97	**99**	98	98	83	87	**71**	61	**54**
13	88.5	88	**90**	89	85	88	86	77	74	67	69	63
14	83	84	89	90	91	**93**	**93**	79	76	65.5	67	64
15	93	93	94	96	96	**97**	96	83	71	65	70	68
16	88	88	89	91	91.5	**93**	**93**	84	69	57.5	65	**67.5**
17	86	88	91	91	**92**	**92**	91	77	65	64	62	61
18	84	83	88	**91**	**91**	89	88.5	81	67	60	59	**57**
19	74	73	69	69	**75**	74	70	62	59	51	**50**	**50**
20	73	71	76	**78**	75	76	76	66	57	**51**	55	**51**
21	78	78	78	77	77	74	78	71	69	61	60	62.5
22	84	86	88	89	**92**	88	87	75	**63**	59	59	58
23	87	88	90	**92**	**92**	**92**	91	79	**67**	64	63	63
24	83	84	86	90	**93**	**93**	90	72.5	67	**63**	58	59
25	76	79	82	**83**	81	81	81	66	64	59	56	53
26	77	79	81	83	85	87	88	82	74	**71**	**71**	76
27	94	**95**	**95**	**95**	93	93	92	**83**	76	80	76	69
28	84	88	**91**	**91**	88	88	85	82	75	70	64	64
Mean	85.4	86.2	87.9	89.1	89.3	**89.6**	88.9	78.1	70.4	65.6	64.6	63

VAPOR PRESSURE (mm).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	18.7	18.5	18.2	17.7	17.4	17.4	**17.3**	18.6	19.5	19.5	21.1	**21.4**
2	19.3	18.3	18.3	18.2	**17.8**	**17.8**	18.8	20.7	**22.3**	21.9	21.7	21.9
3	9.3	19	19.3	19.3	19.4	19	19.2	19.7	19.5	**20.1**	19.1	18.7
4	-	17	16.9	16.7	16.5	**16.4**	16.5	17.4	18.3	18.8	19.7	19.4
5	18.3	18.5	18.6	18.6	18.6	18.8	19.1	18.9	**20.1**	19.3	19.5	19.7
6	18.7	18.8	18.7	18.8	18.9	19.1	19.1	19.2	19.8	20.1	20.7	**21.1**
7	**17.7**	17.4	17.6	17.5	17.1	16.9	16.5	17.1	17.5	16.9	16.1	**14.9**
8	17.1	17.3	17.3	17.7	17.8	**18.2**	**18.2**	17.4	15.6	15.4	16.3	16.2
9	16.1	16.1	15.9	15.7	15.7	16.3	16.4	16.8	**17.4**	16.2	**15.3**	15.5
10	16.6	16.5	16.4	16.2	15.8	15.7	16.1	17.5	**17.7**	16.7	16.3	16.5
11	15.8	16.2	16.1	16.6	16.2	15.5	**15.3**	15.8	17.1	17.6	18	18.3
12	**20.3**	19.9	19.8	19.7	19.6	19.3	19.5	20.1	19.9	19.8	18.6	18.2
13	17.8	18	**18.3**	18.1	17.8	18.1	18	17.3	16.8	16.4	17.5	17.7
14	**14.8**	**14.8**	15.7	15.6	16	16.6	17	16.6	17.6	17.7	17.4	18.3
15	17.6	17.2	16.9	16.8	16.6	**16.3**	16.5	18.1	18.2	17.5	18.5	18.8
16	17.4	17.4	17.2	17.1	16.7	16.8	16.9	18.3	17.4	**16.1**	18.3	18.8
17	17.2	17	16.9	16.6	**16.4**	16.8	17.9	17.1	17.7	17.5	17.6	18.1
18	17.9	17.6	17.6	17.3	17.2	17	17.8	**18.7**	17.8	17.2	17.4	16.5
19	15.3	14.9	14.5	14.6	14.8	14.4	14.6	15	15.2	14.6	14.5	15.3
20	15	14.7	14.9	15.1	14.8	14.8	15	14.5	15	**14.4**	14.6	14.9
21	15.6	15.6	15.6	15.5	15.5	**14.8**	15	15.1	**16.6**	16.5	16.2	16.4
22	15.1	14.8	14.6	14.5	14.6	**14.4**	14.6	14.9	15.4	15.1	15	15
23	16.2	15.9	15.6	15.5	15.1	**14.9**	15.5	16.5	17.5	16.4	17.2	17.4
24	**17.1**	16.3	15.7	15.3	15.2	15.1	15.5	15.7	16.6	16.3	15.6	16.2
25	15.1	15.1	**14.7**	14.8	15	15	15.7	16.3	16.5	15.7	15.4	15.6
26	**16.9**	17	17.1	17.2	17.2	17.1	18.1	18.3	19.4	18.6	19.4	19.3
27	18.9	18.8	18.7	18.5	18.3	18.5	18.6	18.4	19.3	18.9	18.8	19.1
28	17.6	17.4	17.4	17.3	17.4	17.3	17.2	17.4	18.2	17.7	17.4	17.4
Mean	17.2	17	16.9	16.9	16.8	**16.7**	17	17.4	**17.9**	17.5	17.6	17.7

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
53	**48**	50	57	65	72	77	81	85	87	87	89	76.6
70	67	**64**	65	67	75	78	81	81	83	83	85	81.1
61	52	**48**	52	60	67	72	75.5	82	81	82	84	75.1
69	**64**	**64**	66	65	68	75	79	83	88	88	88	79
75	81	78	80	78	81	84	84	85	91	92	**95**	86.1
81	**75**	78.5	82	87	88	85	83	85	85	84.5	86	**88.7**
55	57	55.5	56	58	63	65	72	74	79	79	81	71.1
60	54	**49.5**	50	68	72	73	74	79	85	87	88	73.6
50	**48**	51	55	54	62.5	70	78	80	83	87	82	73.1
48	49	**48**	49.5	56	61.5	69	72	75	77	76	81	71.4
66.5	66.5	87	88	90	94	96	97	98	**99**	**99**	**99**	82
62	59.5	56	61	83	82	78	81	78	82	88.5	87	80.8
59	55	54	50	**48**	61	66	68	72	76	81	82	72.4
63	63	**62.5**	66	65	69	72	80	85	88	86	89	77.6
69	63	65	**57**	65	68	69	76	81	84	85	87	78.8
68	69	62	**49**	56	65	69	74	79	84	83	83	75.7
65	64	63	**54**	60	67	72	74	78	81.5	85	84	75.3
54	**51**	54	56	57	62	65	66	66	67	68	70	69.8
52	52.5	53	56	56	61	67	72	72	71	70	73	**63.8**
51	52	55	53	57	64	69	72	73	75	77	77	65.8
59	**58**	60	61	60	63	69	72	76.5	80	81	**82**	70.2
58	**57**	**57**	61	58	63	68	72	77	79	77	81	72.3
60	58	60	**56**	57	63	68	70	76	74	72	81	73.5
59	57	55	52	**49**	56	61	66	71.5	74	76	79	70.6
49	51	57	50	59	65	68.5	72	74	76	74	76	68
73	80	79	83	83	86	87	86	90	90	92	**93**	82.3
70	**65.5**	66	**65.5**	68	73	77	79	80	80	81	85	80.5
65	60	61.5	**59**	66.5	70	74	75	77	82	82	78	75.8
61.6	**59.9**	60.5	60.4	64.1	69.4	73	76.1	79	81.5	82.2	83.8	75.4

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
19.1	17.4	18	19.9	20.2	20	20.1	20.2	20	20	19.9	19.8	19.2
21.3	21.1	20.4	21	20.7	20.5	19.9	20	19.7	19.7	19.5	19.[illegible]	**20**
18.8	17.7	**16.1**	16.5	17.2	17.4	17.7	17.7	17.9	17.2	17.2	17.[illegible]	18.3
20.4	19.5	**21.2**	20.4	19.3	18.1	18.5	18.6	18.8	19	18.9	18.4	18.4
19.2	18.8	19.1	19.2	19.1	18.6	18.5	18.3	18.3	18.4	18.4	**18.1**	18.8
19.9	19.9	19.6	20.8	20	19.9	18.8	18.2	18.3	18.2	**18**	**18**	19.3
16.5	16	15.5	15.3	**14.9**	15.2	15.1	15.7	15.7	16.2	16.5	16.9	16.4
15.7	14.9	**13.6**	14.1	16.4	16.1	16.1	15.7	16	16.2	16	16	16.3
15.8	16.1	15.6	16.5	**15.3**	15.8	16.1	16.6	16.5	16.6	16.6	16.4	16.1
15.8	16.2	15.6	15.6	15.5	15.3	15.3	15.3	15.2	15.1	**14.7**	15.5	16
19.4	19.4	21.2	**21.3**	21	20.8	20.8	20.5	20.6	20.7	20.7	20.4	18.6
18	18.4	17	18	19.7	18.6	17.5	17.6	**16.7**	17.1	17.8	17.4	18.7
16.6	16.2	15.8	15.2	**13.5**	14.6	14.5	14.2	14.5	14.4	14.7	14.8	16.3
18.1	18.6	18	**18.8**	17.8	18	17.6	18	17.8	17.4	17.1	17.6	17.2
19.3	18.1	**19.7**	17.7	18.5	18.6	17.1	17.4	17.5	17.4	17.5	17.6	17.7
18.8	**19.1**	18.5	**16.1**	17	16.8	16.8	17.1	17.2	17.3	17.1	17.1	17.4
18.4	19.1	**19.6**	17.5	18.4	18	18	17.7	17.8	18.2	18.2	17.9	17.7
16.6	16.7	16.8	17	16.4	16.2	16.1	16	15.6	15.4	15.4	**15.3**	16.8
14.3	14.3	**13.7**	14.6	14.2	14.5	14.9	**15.4**	15.3	15.1	14.8	15.2	**14.8**
14.6	14.5	15.4	**15.6**	14.8	15.2	15.4	15.4	15.2	15.4	**15.6**	**15.6**	15
16.2	16.3	16.4	16.3	15.5	15.3	15.4	15.2	15.2	15.2	15.1	**14.8**	15.6
16.1	16.5	16.8	**18.3**	16.3	15.5	15.8	15.8	16	15.6	15.1	16.9	15.5
17.5	17.2	**17.9**	17.3	16.5	16.3	16.5	16.2	16.5	16.4	16.3	16.9	16.5
16.7	16.4	16.1	15.8	15	14.8	**14.6**	14.7	15.2	15.3	15.5	15.5	15.7
15.4	16	15.9	15.4	16.5	16.5	16.6	16.7	16.9	**17**	16.8	16.9	15.9
19.3	**20.1**	18.2	19.3	19.3	19.3	19.2	19	19	18.8	19	18.9	18.5
18.7	18.6	19.3	19.6	**19.7**	19.3	19.5	19.3	19.4	17.9	**17.7**	**17.7**	18.8
18.4	18.4	18.2	17.9	18.2	17.8	18.1	18.1	18.4	**18.6**	18.5	**16.5**	17.8
17.7	17.6	17.5	17.5	17.4	17.2	17.2	17.2	17.2	17.1	17.1	17.1	17.3

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1												
2	Ci.-S.		Ci.-S.									
3					Ci.-Cu.				Ci.			
4	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.					
5	Ci.											
6												
7					A.-Cu.		A.-Cu.				A.-Cu.	
8	Ci.-S.		A.-Cu.		A.-Cu.		Ci.-S.					
9	A.-Cu.	NNW	A.-Cu.	NNW	Ci.		Ci.		Ci.		Ci.	
10	Ci.				Ci.							
11	Ci.-Cu.		Ci.		Ci.-S.		Ci.-S.		Ci.			
12	A.-Cu.		A.-Cu.				A.-Cu.		A.-Cu.		A.-Cu.	
13					Ci.-S.				Ci.-S.			
14	A.-Cu.		A.-Cu.				A.-Cu.					
15	Ci.		Ci.-S.		Ci.	SSE	Ci.				A.-Cu.	
16	Ci.		Ci.		Ci.		A.-Cu.		Ci.			
17	Ci.-S.		A.-Cu.									
18	A.-Cu.	ENE										
19	Ci.-S.		A.-Cu.		Ci.-S.		Ci.-S.	SEbyS	Ci.-S.		Ci.-S.	
20			A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.	
21	Ci.-S.				A.-Cu.		A.-Cu.					
22	Ci.		Ci.	SE	Ci.-S.		A.-Cu.		Ci.-S.		Ci.-S.	
23	Ci.		Ci.									
24												
25			A.-Cu.		A.-Cu.	ESE					Ci.-S.	
26	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.					
27	Ci.-S.		A.-Cu.		Ci.-S.		Ci.-S.		Ci.-S.			
28												

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Cu.		Cu.		Cu.		Cu.	ESE	Cu.	SE	Cu.	SE
2	S.-Cu.		Cu.	NE	Cu.		Cu.	ENE	Cu.	ENE	Cu.	
3	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	
4	S.		Cu.		Cu.	E	Cu.	E	Cu.	E	N.-cf.	
5	S.-Cu.		S.-Cu.	NNE	S.-Cu.	NNE	N.		Fr.-N.		Fr.-N.	E
6	Fr.-N.	NE	S.-Cu.		S.-Cu.	NE	Fr.-N.	NE	Fr.-N.	ENE	Fr.-N.	
7	S.-Cu.	E	S.-Cu.	E	S.-Cu.	E	S.-Cu.	E	N.-cf.	E	Cu.	
8	S.-Cu.	E	Cu.	E	Cu.		S.-Cu.	E	Cu.	E	Cu.-N.	
9	S.-Cu.		S.-Cu.		S.-Cu.		Cu.	E	N.-cf.	E	Cu.	E
10	Cu.		Cu.		Cu.		Cu.		Cu.	E	Cu.	
11	Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	E	S.-Cu.	
12	S.-Cu.		Cu.	E	Cu.-N.	E	Cu.	E	Cu.		Cu.	E
13	Cu.-N.		Cu.-N.	E	Cu.-N.	E	Cu.	E	Cu.	E	Cu.	
14	S.-Cu.	E	S.-Cu.	E	S.-Cu.	ENE	Cu.	ENE	N.-cf.	ENE	N.-cf.	
15	Cu.		Cu.	EbyN	Cu.		Cu.	E	Cu.	E	Cu.	
16	Cu.		Cu.		Cu.	NE	Cu.	NE	Cu.	NE	N.-cf.	
17	S.-Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	
18	S.-Cu.		S.-Cu.	ENE	Cu.	ENE	S.-Cu.	ENE	N.-cf.	ENE	Cu.-N.	
19	S.-Cu.		S.-Cu.	E	Cu.		Cu.		Cu.		Cu.	
20	Fr.-N.	E	S.-Cu.	E	S.-Cu.	E	Cu.	E	Cu.	E	Cu.	E
21	Cu.	E	Cu.-N.	E	Cu.	E	Cu.		Cu.	E	Cu.-N.	
22	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
23	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
24	Cu.		Cu.		Cu.		Cu.	ENE	Cu.	ENE	Cu.	ENE
25	S.-Cu.		Cu.		Cu.		N.-cf.	NE	N.-cf.	NE	Cu.	
26	S.-Cu.		S.-Cu.		Cu.	NbyE	N.-cf.	NbyE	N.-cf.	NbyE	N.-cf.	
27	Cu.	E	Cu.		Cu.		N.-cf.		N.-cf.		Cu.	
28	S.-Cu.	E	S.-Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
										Ci.	
										Ci.	
								Ci.		Ci.	
Ci.						A.-Cu.		A.-Cu.		Ci.-S.	
								A.-Cu.		Ci.-S.	
						Ci.-S.		A.-Cu.		A.-Cu.	
		A.-Cu.		A.-Cu.				A.-Cu.		Ci.-S.	
		Ci.-S.		Ci.		A.-Cu.	NW	A.-Cu.			
										Ci.	
Ci.-Cu.		Ci.		Ci.		Ci.		Ci.		Ci.	
Ci.-S.		Ci.-S.									
		A.-Cu.	E	A.-Cu.	E						
						Ci.-Cu.				Ci.-S.	
				A.-Cu.				A.-Cu.			
Ci.		A.-Cu.		Ci.		Ci.		Ci.		Ci.-S.	
				Ci.		Ci.		A.-Cu.		Ci.	
								Ci.		Ci.	
				A.-Cu.		A.-Cu.				A.-Cu.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
		A.-Cu.								A.-Cu.	
								A.-Cu.		Ci.	
Ci.-S.		Ci.		Ci.		Ci.		Ci.		Ci.	
										Ci.-S.	
						Ci.		Ci.		Ci.	
								Ci.			
										Ci.	

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form..	Direction.	Form.	Direction.	Form.	Direction.
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.	E	Cu.	E	Cu.		Cu.		Cu.		Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
Fr.-N.	E	Fr.-N.	E	N.	E	Fr.-N.	E	S.-Cu.		S.-Cu.	
Fr.-N.	ENE	Fr.-N.	ENE	Fr.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	E
Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.		S.-Cu.	
Cu.-N.	E	Cu.-N.	E	Cu.	E	Cu.		Cu.		S.-Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
Cu.	E	N.-cf.	E	N.-cf.	E	Cu.		Cu.		Cu.	
N.-cf.	E	Cu.-N.	E	N.		Cu.-N.		Cu.-N.	E	Cu.-N.	
Cu.-N.		Cu.		Cu.		Cu.-N.	E	Cu.-N.		Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	
Cu.	E	Cu.-N.		Cu.		Cu.-N.	ENE	Cu.-N.	ENE	Cu.-N.	
N.-cf.	E	N.-cf.	E	Cu.	E	Cu.	E	N.-cf.	E	N.-cf.	
Cu.	ENE	Cu.-N.	ENE	Cu.	ENE	Cu.	ENE	Cu.		Cu.	
N.-cf.	EbyN	N.-cf.	ENE	Cu.	ENE	Cu.	ENE	Cu.		Cu.	
Cu.		Cu.	ENE	Cu.	ENE	Cu.	ENE	Cu.-N.		Cu.	
S.-Cu.		S.-Cu.	ENE	S.-Cu.	ENE	S.-Cu.	ENE	S.-Cu.		S.-Cu.	
Cu.	E	Cu.	E	Cu.		Cu.	E	Cu.		Cu.	
Cu.-N.	NE	Cu.-N.	NE	Cu.-N.	NE	Cu.-N.	NE	Cu.	NE	Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		S.-Cu.	
Cu.		Cu.		Cu.	E	Cu.		Cu.		Cu.	
Cu.	E	Cu.	E	Cu.	NE	Cu.	E	Cu.	E	S.-Cu.	
Cu.	NE	Cu.-N.	NE	Cu.-N.	EbyN	S.-Cu.	EbyN	S.-Cu.	EbyN	Cu.-N.	
N.-cf.	NbyE	N.-cf.	NNE	N.-cf.	NNE	Fr.-N.	NNE	Cu.-N.		S.-Cu.	
Cu.	E	Cu.	E	Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	NE	1	NNE	0.5	NNE	0.5	Calm		Calm		Calm	
2	Calm		Calm		Calm		Calm		Calm		Calm	
3	NE	2.5	NNE	2	NE	2.5	N	3.5	NNE	2	NE	1.5
4	Calm		Calm		Calm		NE	.5	ENE	.5	Calm	
5	Calm		N	2	N	3.5	NE	2.5	ENE	2	Calm	
6	Calm		Calm		NNE	1	NNE	1	NNE	.5	N	2.5
7	N	1	NNE	1	N	.5	NNE	.5	NNE	1	NNE	.5
8	ESE	3	NE	1	Calm		Calm		Calm		Calm	
9	Calm		Calm		E	.5	Calm		Calm		Calm	
10	NNW	1.5	NW	.5	Calm		Calm		Calm		NNE	1
11	NNE	1	NNE	1	NNE	.5	NNE	1	NNE	3	NNE	2
12	Calm		Calm		Calm		N	1	N	1	NNE	.5
13	Calm		SW	1	Calm		Calm		SW	1	Calm	
14	Calm		Calm		Calm		ENE	1	Calm		Calm	
15	Calm		Calm		Calm		Calm		Calm		Calm	
16	Calm		NNW	1	N	.5	NNE	1	NNE	.5	Calm	
17	NE	2	NE	2	Calm		Calm		Calm		NNE	2
18	Calm		NNW	1	Calm		Calm		Calm		NE	.5
19	NNE	1	N	3	NNE	4	NE	.5	NNE	.5	Calm	
20	Calm		ENE	.5	Calm		Calm		NNE	1.5	NE	1.5
21	NNW	1	NNW	1.5	NNW	1.5	NNW	1.5	NNW	2.5	NNW	3.5
22	NNW	.5	Calm		Calm		Calm		Calm		NNE	2
23	Calm		Calm		Calm		Calm		NNE	1.5	Calm	
24	N	.5	N	1	NE	1.5	NNE	1	Calm		Calm	
25	NNW	2	Calm		Calm		NNE	2	NNE	3.5	NNE	3
26	N	2	N	2.5	Calm		Calm		Calm		Calm	
27	N	4	N	4.5	N	4	NNE	2.5	NNE	2.5	NNE	3.5
28	N	3	N	2.5	N	2.5	N	2	N	4	NNE	1.5
Mean		0.9		1		0.8		0.8		1		0.9

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	SE	6	SE	2.5	ESE	1.5	ESE	3	Calm		SE	2.5
2	W	4	W	4	WSW	3	W	3	Calm		SE	.5
3	W	2	SSE	2	SE	2.5	SSE	7	SE	2.5	SE	3
4	SW	1.5	WSW	1	Calm		Calm		ESE	2.5	ESE	2
5	NE	2.5	NNE	4	ESE	2.5	Calm		N	5	NNE	1.5
6	NE	5	ESE	.5	SE	7	SE	1.5	Calm		Calm	
7	ESE	6.5	ESE	4	E	3.5	E	3.5	EbyN	4	E	1
8	E	3.5	E	4.5	E	5	E	4.5	E	1	ESE	1
9	NNE	3.5	ESE	6	Calm		EbyS	5	ENE	3	Calm	
10	NE	1.5	NE	4	NNE	2	NNE	3	NE	2	Calm	
11	NNE	7	NNE	3	E	3	NE	1.5	Calm		Calm	
12	ENE	4.5	ENE	3	ENE	3.5	ENE	2.5	NE	3.5	NE	2
13	ESE	2	NE	3	ESE	5	E	2.5	ESE	2	ENE	1.5
14	NNE	1.5	NE	1.5	NNE	1.5	NE	.5	NE	.5	ENE	2
15	W	2	W	3.5	W	3	SW	3	WNW	1	Calm	
16	WSW	2.5	S	1	SSE	2.5	NE	2.5	E	5.5	NE	5.5
17	S	2	Calm		Calm		NE	1.5	NE	3.5	NE	1.5
18	NNE	6.5	NNE	7	NNE	4.5	NNE	5.5	NNE	4	NEbyN	3.5
19	NE	8	NE	9	NE	5.5	NEbyN	2.5	NEbyN	3	NE	3
20	Calm		NNE	.5	ENE	1	NE	4	NE	4	NE	2.5
21	W	3.5	SW	3.5	S	3.5	NE	3	NE	3.5	NE	2.5
22	WSW	3.5	WSW	3.5	WSW	3	WSW	2	SE	5.5	SSE	4
23	SSW	2.5	W	4	S	2	S	3	ESE	5.5	ESE	1.5
24	W	4	WNW	4.5	W	3	W	3	Calm		ENE	1
25	NE	3.5	E	6	ENE	1.5	E	8	ESE	1	E	3
26	SSW	.5	WSW	1.5	ESE	1.5	Calm		Calm		W	1
27	W	2	WNW	2.5	WSW	2.5	W	2	W	3	SW	1
28	WNW	1.5	WNW	2	WbyN	2	WSW	3.5	WSW	5.5	WSW	5
Mean		3.3		3.3		2.7		2.9		2.5		1.9

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
NE	1	Calm		Calm		WNW	1.5	W	2	SE	3.5
Calm		Calm		Calm		SW	1.5	WSW	2.5	W	4
Calm		Calm		Calm		Calm		WSW	3	W	3
Calm		Calm		Calm		NNE	1.5	WNW	3.5	WSW	3
Calm		NNE	2.5	NEbyN	2	N	5.5	NNW	4	NE	4
NNE	3	NNE	2.5	NEbyN	2	Calm		NNE	2.5	NNE	1
Calm		Calm		Calm		E	1.5	E	3	E	.5
Calm		Calm		NE	1	NE	1	NNW	1.5	ESE	1.5
Calm		Calm		NE	1	NNE	1.5	ESE	6	E	4.5
Calm		N	2	NNW	2.5	SW	2.5	WSW	2	NNW	1.5
NNE	3	NNE	4	NE	7.5	NNE	3.5	NNE	5	NNE	6
Calm		Calm		Calm		Calm		E	4	E	3
Calm		Calm		Calm		Calm		WNW	.5	NNE	1
ENE	1.5	Calm		NNE	2	NNE	3.5	NNW	2.5	NNE	1.5
NNE	.5	NE	1.5	Calm		Calm		WSW	2	WSW	3.5
Calm		Calm		Calm		Calm		W	2.5	WSW	4
Calm		Calm		NNE	3	NNE	1.5	Calm		Calm	
Calm		Calm		NE	7.5	NNE	9	NNE	7	NNE	9
Calm		NE	1.5	NNW	4.5	E	1.5	NNE	7	N	9
Calm		NE	1.5	Calm		E	.5	WSW	5	NE	2
NNW	4	NNW	1.5	NW	1.5	SSW	1	S	2.5	WSW	3
NNE	1.5	NE	1	NW	.5	SW	2.5	WSW	3.5	WSW	4
Calm		NE	.5	NNE	.5	WNW	4.5	NW	4	W	5
Calm		Calm		Calm		WSW	2.5	WSW	3.5	WSW	3
Calm		N	4	NNE	4.5	NNW	2	ENE	3.5	NE	4.5
Calm		NE	1.5	NNE	2.5	Calm		WNW	3	Calm	
Calm		Calm		Calm		Calm		WNW	2	WSW	2
NNE	1.5	NE	2	NNE	.5	WNW	1.5	WNW	3	WNW	6
	0.6		0.9		1.5		1.8		3.2		3.3

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		12 m. n.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Force.
SE	1.5	SE	1.5	SE	0.5	SE	0.5	SE	1	Calm		1.3
SE	2	SE	1	SE	2.5	SE	2	SE	.5	E	1	1.3
ESE	1.5	Calm		Calm		Calm		Calm		Calm		1.7
Calm		Calm		Calm		Calm		Calm		E	4	.8
NNE	3	NNE	2.5	NNE	1.5	Calm		Calm		Calm		2.1
Calm		N	1.5	NNE	1.5	NE	.5	NNE	1	NE	.5	1.5
E	.5	E	1.5	ENE	1.5	Calm		ESE	3	ESE	2.5	1.7
ESE	3	E	4	Calm		Calm		Calm		Calm		1.5
Calm		Calm		Calm		Calm		NNW	.5	NW	1	1.4
NNE	.5	NE	1	Calm		Calm		NE	.5	Calm		1.2
N	3	N	2	NNE	1	NE	1.5	NE	1	Calm		2.5
NE	3	ENE	1.5	ESE	2	ESE	.5	Calm		Calm		1.5
Calm		ENE	1	ENE	.5	Calm		Calm		Calm		.9
ENE	1	Calm		Calm		Calm		NW	1	Calm		.9
ENE	1.5	Calm		Calm		Calm		Calm		Calm		.9
E	1.5	E	2.5	Calm		NNW	2	WNW	2	NNW	1.5	1.6
E	1.5	NE	.5	E	.5	Calm		Calm		WNW	.5	.9
NNE	1	NNE	2.5	NNE	2.5	NNE	2	NNE	3.5	NE	2.5	3.3
Calm		Calm		Calm		NNW	1	NNE	1	Calm		2.7
Calm		NNW	1.5	NNW	1.5	NNW	2	Calm		NNW	1.5	1.3
Calm		NE	.5	NE	.5	W	1	WNW	.5	WNW	2	2
SE	2	SSE	2	Calm		Calm		Calm		Calm		1.7
Calm		SE	.5	Calm		Calm		WNW	1	Calm		1.5
Calm		E	2	ESE	2	Calm		Calm		Calm		1.4
Calm		SE	.5	Calm		Calm		NNW	2.5	N	.5	2.3
Calm		NNW	5	N	4.5	N	2	N	2	N	2	1.3
SW	2	SSW	2	Calm		WNW	.5	NNW	1	Calm		1.8
SW	3	SW	3	Calm		Calm		Calm		N	4	2.5
	1.1		1.4		0.8		0.6		0.8		0.8	1.6

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	0.5	0	1	0	0	0	1	0.5	0.5	4	9.5	7.5
2	1	0	0	0	1	1.5	1.5	.5	.5	1	8	13
3	4.5	8	8	11	6	5	4	5.5	1.5	4	8.5	10
4	0	.5	1	1.5	1.5	1.5	2.5	1.5	1.5	2.5	**10**	7
5	2	4.5	10	11	6.5	2.5	.5	4	6.5	12	21	14
6	3.5	1	3.5	4	4	3.5	7	6	6	5	9	8
7	7	5.5	2.5	1.5	4	3.5	2.5	3	1.5	5.5	6.5	20
8	9.5	4.5	1.5	0	0	.5	1	1	2.5	2	4	11
9	0	0	.5	.5	0	0	1	.5	.5	3	10	16
10	3	4	.5	0	2.5	1.5	1	3.5	7.5	4	11	7
11	5.5	5	5	4.5	7.5	9	13	14	19.5	25.5	**27**	26
12	.5	0	0	4.5	6	4	3	2	.5	1.5	17	17.5
13	.5	2	2	1	2.5	3.5	.5	0	4	5.5	3.5	4.5
14	1	.5	0	2	.5	0	.5	5.5	12	11	13.5	8.5
15	1	1	0	.5	3.5	1.5	1.5	4	5	3	10	9
16	0	1.5	1	2.5	1	2	1.5	.5	2	2	13	10
17	3.5	4	3.5	.5	.5	3	4	2.5	5.5	8	9.5	7.5
18	4	3	3	1	0	2	2	2	14	17	35	28
19	7.5	5	14	9.5	1.5	2	5.5	9.5	12	15.5	**32**	28
20	.5	6	.5	0	3	4.5	7	4	5	5	13.5	**17.5**
21	4.5	4	6	5	6	14	10	9	6.5	3.5	9.5	7.5
22	2	.5	0	0	0	3.5	6	6.5	5.5	6.5	15	13
23	.5	0	0	0	2.5	1.5	2	6	6.5	12.5	**18**	15.5
24	4.5	7.5	7	3	3	1	1	2	4.5	6.5	10	14
25	2.5	3.5	0	1.5	9.5	10	7	9.5	12.5	9	14	17.5
26	4.5	5.5	5.5	.5	0	2	0	7	14	10	8.5	2.5
27	14	13	**15**	8	7.5	9	5.5	4.5	2.5	8	8	8
28	2.5	6	5.5	7.5	9	8.5	10.5	8	3.5	4	11.5	15
Mean	3.2	3.4	3.4	2.9	3.2	3.6	3.7	4.4	5.8	7	13.1	13

AMOUNT OF CLOUDS (0–10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	2	2	1	3	4	5	3	3	2	2	2	3	**2.7**	9 30
2	9	9	4	5	4	2	1	1	1	2	1	5	3.7	8 05
3	1	2	7	4	7	6	6	4	4	1	2	2	3.8	7 25
4	10	8	4	4	8	9	9	6	7	9	10	10	7.8	4 50
5	9	9	9	10	10	10	10	10	10	10	9	9	**9.6**	0 25
6	10	9	8	10	10	10	10	10	10	10	9	9	**9.6**	**0 00**
7	10	8	7	8	10	9	9	9	8	9	7	8	8.5	2 30
8	10	9	9	10	10	10	9	8	8	7	7	8	8.8	2 40
9	9	10	6	5	8	8	5	7	6	6	3	3	6.3	6 55
10	4	2	2	2	2	3	6	9	9	10	9	8	5.5	7 20
11	3	4	6	9	9	10	9	9	10	10	10	10	8.2	3 35
12	8	8	10	6	7	9	10	9	9	10	10	10	8.8	3 40
13	10	10	10	10	10	9	9	5	5	4	3	4	7.4	4 45
14	10	10	10	9	10	9	8	9	10	10	8	10	9.4	2 35
15	8	8	9	8	9	7	8	6	8	8	10	10	8.2	7 30
16	9	7	7	5	9	8	8	9	6	4	4	2	6.5	7 20
17	10	9	9	10	9	8	10	10	8	5	3	6	8.1	4 35
18	8	10	8	9	10	9	4	6	5	7	8	8	7.7	3 10
19	7	10	9	9	8	9	9	10	9	9	9	9	8.9	0 25
20	10	10	9	7	6	6	6	8	7	8	9	8	7.8	5 05
21	10	10	9	8	9	10	10	9	9	9	9	6	9	2 45
22	3	3	4	6	6	6	6	5	3	3	2	5	4.3	9 35
23	4	4	2	2	3	4	3	3	4	4	4	7	3.7	9 50
24	1	2	1	3	5	5	3	4	6	5	4	3	3.5	**10 05**
25	6	3	6	8	8	7	9	8	10	9	9	10	7.8	3 35
26	9	9	9	9	9	10	10	10	10	10	10	10	**9.6**	0 30
27	10	5	8	9	9	8	8	8	4	3	2	3	6.4	6 10
28	10	10	8	6	4	2	2	2	1	2	2	4	4.4	8 10
Total														143 00
Mean	7.5	7.1	6.8	6.9	**7.6**	7.4	7.1	7	6.8	6.6	**6.2**	6.8	7	5 06

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–Mdt.	Mean.
14	13	11	12	11	8	6.5	3.5	3.5	2.5	6	3	4.9
14	13	9	7	3	2	3	3.5	5.5	6.5	4.5	2.5	4.2
9	8	15.5	**18.5**	17	12.5	8	2.5	1	3	1	0	7.2
3	4	3.5	3.5	4.5	4.5	2.5	1	1	0	0	6	**2.7**
15	**22**	7.5	1.5	8	9	10.5	8	4.5	3	.5	0	7.7
9.5	6	5	3.5	5.5	2	2.5	6	7.5	3.5	5	2.5	5
19	**21**	18	15	17	9	7.5	5	5	2.5	1	4.5	7.8
19	21	**24**	18	12	8	10	11.5	3.5	0	0	0	6.9
17	**18**	10	14	13	5	.5	0	1	.5	2	5.5	4.9
10.5	10.5	**15.5**	5	8.5	5	1.5	3	2	1	.5	1.5	4.6
23.5	17.5	10	5	7.5	3.5	3	9	7	7	5	2	10.9
15.5	15	**21**	16	20	7	18	2	5	6	.5	1.5	7.7
8.5	9	**18**	**18**	14	9	9	8	5.5	1	1.5	0	5.5
13.5	6	**14**	4	7	9.5	5.5	2.5	.5	0	4.5	.5	5.1
11	10	10	6.5	5.5	.5	8.5	2.5	.5	0	.5	.5	4
12.5	9.5	5	16	**21**	18	14	10	3	1.5	4.5	4	6.5
7	3	3.5	11.5	15	**16**	4.5	6	1.5	3	0	2	5.2
38.5	34.5	30.5	24.5	22.5	21	15	7	12.5	10	9.5	7	**14.3**
31	29	23.5	16.5	18	14	10	3	.5	1.5	5	5	12.3
5	7	4	14	12.5	7	4.5	6.5	7	6.5	3.5	5	6.2
12	9	8	7	**20.5**	12	5	3.5	.5	.5	1	1	6.9
11	13.5	11.5	7	11	**17**	8	7	1.5	1.5	2.5	1.5	6.3
13.5	12	8	4	16.5	11	6	6	3	.5	3	1	6.2
17.5	16.5	10	9	4.5	9	4.5	3.5	3	1.5	0	0	6
18.5	**18.5**	12.5	9	11.5	10.5	5	3.5	.5	1	5	6	8.2
5	7.5	7	1	1.5	2.5	.5	5	**17**	12	10	6	5.6
10	9	8	6	7.5	1.5	4	6.5	3.5	6.5	3.5	1.5	7.1
15	13	11	10.5	15	**18**	15.5	11.5	6.5	.5	2	13	9.3
14.2	13.4	11.9	10.1	11.8	9	6.9	5.2	4	3	2.9	**2.8**	6.8

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW	W.	WNW	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1	------	2	2	------	------	2	------	------	------	------	9	------	1	1	------	------	7	118.5	4.3	------
2	------	------	------	------	1	------	6	------	------	------	1	2	4	------	------	------	10	101.5	3.4	------
3	1	2	3	------	------	1	3	2	------	------	------	1	2	------	------	------	9	172	4.1	------
4	------	1	1	1	1	2	------	------	------	------	1	2	------	1	------	------	14	**64.5**	3.1	0.6
5	4	6	4	1	------	1	------	------	------	------	------	------	------	------	------	1	7	184	1.3	.6
6	2	9	4	------	------	1	2	------	------	------	------	------	------	------	------	------	6	119	**.5**	**4.8**
7	2	4	------	1	9	4	------	------	------	------	------	------	------	------	------	------	4	187.5	4.9	------
8	------	------	3	------	6	4	------	------	------	------	------	------	------	------	------	1	10	164.5	4.3	------
9	------	2	1	1	2	3	------	------	------	------	------	------	------	------	1	1	13	118.5	4.7	------
10	1	4	5	------	------	------	------	------	------	------	1	1	------	------	1	3	8	110	5	------
11	2	14	3	1	1	------	------	------	------	------	------	------	------	------	------	------	3	261.5	2.6	1.9
12	2	1	3	5	2	2	------	------	------	------	------	------	------	------	------	------	9	184	4	.3
13	------	1	1	3	1	3	------	------	------	------	2	------	------	1	------	------	12	131	4.3	------
14	------	5	3	4	------	------	------	------	------	------	------	------	------	------	1	1	10	122.5	2.9	------
15	------	1	1	1	------	------	------	------	------	------	1	2	3	1	------	------	14	96	3.5	------
16	1	2	2	------	3	------	------	1	1	------	------	2	1	1	------	3	7	156	4.4	------
17	------	3	6	------	2	------	------	------	1	------	------	------	------	------	------	1	11	125	3.8	------
18	------	13	4	------	------	------	------	------	------	------	------	------	------	------	------	1	6	**343.5**	6.7	------
19	2	5	8	------	1	------	------	------	------	------	------	------	------	------	------	2	6	294.5	**6.9**	------
20	------	2	6	2	1	------	------	------	------	------	------	1	------	------	------	4	8	149	5.4	------
21	------	------	5	------	------	------	------	------	2	1	1	1	2	2	1	8	1	165.5	4.1	------
22	------	2	1	------	------	------	2	2	------	------	1	6	------	------	1	1	8	151.5	4.9	------
23	------	2	1	------	------	2	1	------	2	1	------	------	2	2	1	------	10	149.5	5.1	------
24	2	1	1	1	1	1	------	------	------	------	------	3	3	1	------	------	10	143	5.2	------
25	2	4	2	2	3	1	1	------	------	------	------	------	------	------	------	3	6	198	5.4	------
26	6	1	1	------	------	1	------	------	------	1	------	1	1	1	------	1	10	135	1.9	.3
27	3	3	------	------	------	------	------	------	------	1	2	2	3	3	------	1	6	170.5	3.6	------
28	6	3	1	------	------	------	------	------	------	------	2	3	------	6	------	------	3	223	5.2	------
Total	36	93	72	23	34	28	15	5	6	4	21	27	22	20	6	32	228	4,539	115.5	8.5
Mean	1.3	3.3	2.6	0.8	1.2	1	0.5	0.2	0.2	**0.1**	0.8	1	0.8	0.7	0.2	1.1	**8.1**	162.1	4.1	0.3

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor. pressure.
	mm.		°C.		*Per cent.*	*mm.*	*mm.*		°C.		*Per cent.*	*mm.*
1	**758.96**	10.00a.	**33.3**	2.50p.	93	21.4	**756.10**	3.30p.	20.7	6.10a.	**48**	17.3
2	60.56	9.00a.	31.4	3.50p.	96	**22.3**	57.60	5.00p.	21	5.20a.	64	17.8
3	61.30	9.45a.	32	2.45p.	93	20.1	58	4.45p.	**22**	6.40a.	**48**	16.1
4	62.40	12m.n.	32	3.15p.	92	21.2	59.25	3.15p.	19.7	6.35a.	64	16.4
5	63.60	10.00a.	**26.8**	0.25p.	95	20.1	60.70	5.00p.	21.4	11.55p.	**75**	**18.1**
6	61.45	10.15p.	27.8	2.25p.	98	21.1	58.95	3.35p.	21.3	3.35a.	**75**	18
7	62.15	9.15a.	30.4	0.25p.	87	17.7	59.05	3.45p.	**22**	6.50a.	51	14.9
8	61.48	9.00a.	29.6	3.30p.	91	18.2	58.95	3.45p.	20.6	11.55p.	49.5	13.6
9	61.90	11.20p.	31.7	2.10p.	98	17.4	58.85	3.05p.	18.7	4.25a.	**48**	15.3
10	63.40	9.30a.	31.3	2.05p.	94	17.7	60.60	4.10p.	19.2	6.15a.	**48**	14.7
11	63.80	9.30a.	30.3	1.15p.	**99**	21.3	61.20	3.40p.	20.7	6.35a.	59	15.3
12	63.70	9.25a.	31.7	0.05p.	**99**	20.3	60.50	3.45p.	21.8	5.35a.	54	16.7
13	63.65	9.25a.	30.6	3.20p.	90	18.3	60.34	4.00p.	20.4	11.40p.	**48**	**13.5**
14	62.60	9.10a.	31.2	1.50p.	93	18.8	59.50	3.30p.	19.7	4.10a.	62.5	14.8
15	61.58	9.00a.	30.6	4.05p.	97	19.7	58.16	4.00p.	18.7	6.45a.	57	16.3
16	60.80	9.05a.	31.7	3.50p.	93	19.1	57.70	3.25p.	19.6	6.15a.	49	16.1
17	60.60	9.25a.	31.8	3.50p.	92	19.6	57.60	3.45p.	20.1	5.15a.	54	16.4
18	61.40	10.30p.	31.5	1.45p.	91	18.7	58.55	3.10p.	20.7	5.10a.	51	15.3
19	63.35	11.20p.	30.4	11.50a.	**75**	**15.4**	60.45	3.20a.	21.2	5.55a.	50	13.7
20	**64.45**	9.50a.	30.3	11.55a.	78	15.6	**61.30**	3.20p.	21.2	4.20a.	51	14.4
21	63.65	9.05a.	29.4	11.25a.	82	16.6	60.30	3.15p.	20.1	11.55p.	58	14.8
22	62.65	0.05a.	30.3	3.35p.	92	18.3	58.90	3.00p.	**18**	5.15a.	57	14.4
23	63.10	11.35p.	30.7	3.40p.	92	17.9	59	3.30p.	**18**	6.20a.	56	14.9
24	64.15	10.15a.	31.1	4.10p.	93	17.1	60.59	4.00p.	18.4	5.10a.	49	14.6
25	63.65	9.30a.	30.7	1.35p.	83	17	60.20	4.15p.	20.1	3.30a.	49	14.7
26	62.12	10.00a.	28.7	9.20a.	93	20.1	59.45	2.55p.	21.9	6.25a.	71	16.9
27	61.60	10.00a.	29.8	4.05p.	95	19.7	57.90	4.10p.	21.3	4.20a.	65.5	17.7
28	61.25	9.30a.	30.5	3.55p.	91	18.6	58	3.35p.	21.3	4.05a.	59	16.5
Mean	762.33	-------	30.6	-------	91.6	18.9	759.20	-------	20.4	-------	56.1	15.7

DAILY GENERAL REMARKS.

1---Coloration of upper clouds at sunset.
2---As yesterday.
3---As the preceding days.
4---☌ early in the morning; ● at night.
5---●° in the morning; d° in the afternoon; coloration of upper clouds at sunset.
6---Frequent d.
7---Light to gentle breeze in the afternoon.
8---Overcast.
9---Light to gentle ESE breeze in the forenoon and afternoon.
10---Coloration of upper clouds at sunset.
11---●° in the afternoon and night.
12---d° in the morning; d in the afternoon.
13---Overcast in the morning; cloudy in the afternoon.
14---Overcast.
15---Coloration of upper clouds at sunset.
16---Light breeze in the afternoon.
17---Coloration of upper clouds at sunset.
18---☌ early in the morning; gusty NNE winds in the morning and afternoon.
19---☌ early in the morning; gusty NEly winds in the forenoon and afternoon.
20---d° in the morning.
21---☇ in various points in the evening.
22---☌° early in the morning.
23---Coloration of upper clouds at sunset.
24---Cloudy weather.
25---Somewhat gusty E winds in the afternoon; coloration of upper clouds at sunset.
26---p° in the forenoon and afternoon.
27---Overcast in the morning, cloudy in the afternoon.
28---Light breeze in the afternoon.

OBSERVATIONS FOR MARCH, 1911.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	60.60	60.55	60.45	60.50	60.60	60.84	61.31	61.90	62.28	**62.34**	62.07	61.63
2	60.50	60.05	60	60.15	60.35	60.65	61.19	61.74	62.20	**62.36**	61.99	61.41
3	59.95	59.90	59.90	59.85	60	60.32	60.67	61.06	61.47	**61.56**	61.19	60.80
4	61.75	60.55	60.35	60.40	60.55	60.85	61.25	61.59	**61.91**	61.75	61.42	60.93
5	60.95	60.70	60.50	60.50	60.75	61.15	61.71	62.21	**62.23**	62.14	61.74	60.99
6	60.50	60.15	59.85	60.05	60.15	60.70	61.11	61.41	61.69	**61.73**	61.20	60.40
7	60.05	59.75	59.85	59.85	59.85	60.21	60.78	61.16	61.43	**61.59**	61.19	60.46
8	60.20	60.10	60.05	60.25	60.45	60.87	61.34	61.77	**61.90**	61.68	61.12	60.51
9	60	59.75	59.70	59.75	59.95	60.27	60.92	61.46	**61.76**	61.73	61.48	60.77
10	59.80	59.40	59.10	58.90	59	59.34	59.88	60.16	60.45	**60.57**	60.41	59.84
11	59.95	59.50	59.40	58.95	59.10	59.46	59.95	60.47	60.69	**61.04**	60.52	59.45
12	59.95	59.60	58.95	**58.30**	59.05	59.59	59.80	60.23	60.63	61.03	61.13	61.13
13	61.40	60.95	60.80	60.85	60.90	60.95	61.45	61.99	62.09	**62.32**	61.92	60.96
14	60.50	60.15	60.20	60.20	60.30	60.60	60.92	61.22	61.53	**61.64**	61.25	60.52
15	59.25	58.90	58.75	58.95	59	59.26	59.84	60.26	**60.52**	**60.52**	60.03	59.28
16	59.40	58.90	58.60	58.70	59	59.34	59.80	60.19	60.48	**60.54**	60.34	59.54
17	59.20	59	58.70	58.60	58.95	59.10	59.68	60.24	60.71	**60.73**	60.23	59.78
18	60	59.40	59.05	59.10	59.10	59.55	60.02	60.43	60.53	60.53	60.47	59.97
19	60.55	60.15	60.05	60.05	60.10	60.34	60.90	61.43	**61.68**	61.59	61.24	60.52
20	60.45	60.35	60.40	60.50	60.65	61.24	61.74	62.25	62.78	**62.83**	62.50	61.52
21	60.50	60.30	60.25	60.35	60.50	61.03	61.53	61.91	**62.32**	62.22	61.77	61.37
22	60.90	60.80	60.75	60.80	61	61.45	61.96	62.36	**62.59**	62.51	62.15	61.37
23	60.90	60.70	60.75	60.90	61.10	61.49	62.10	62.63	**62.84**	62.68	62.36	61.48
24	60.85	60.65	60.50	60.50	60.75	61.20	61.69	**62.19**	62.18	62.12	61.73	61.24
25	61.15	60.90	60.55	60.55	60.70	60.95	61.60	62.08	62.34	62.15	61.85	61.32
26	62	61.60	61.30	61.55	61.65	62.02	62.63	63.05	63.19	**63.27**	62.92	62.39
27	62.55	62.25	61.80	61.85	62.05	62.35	63.11	63.61	**63.75**	63.67	63.20	62.57
28	62.50	62	61.65	61.50	61.55	61.94	62.46	62.92	**63.03**	62.94	62.54	62.19
29	62.10	61.70	61.20	61.25	61.30	61.55	62.01	62.63	62.89	62.79	62.59	62.12
30	62.55	62.10	61.65	61.45	61.65	61.84	62.12	62.64	**62.72**	62.49	62.12	61.40
31	**61.45**	60.95	60.50	60.35	60.40	60.62	61.11	61.44	61.44	61.20	60.84	60.17
Mean	60.72	60.38	60.18	60.18	60.34	60.68	61.18	61.63	**61.88**	**61.88**	61.53	60.90

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	22.7	22.2	21.6	21.4	21.3	**21.2**	21.8	24.5	26.8	28	27.7	27.4
2	22	22.2	22.2	21.7	**20.8**	21.1	21.3	21.3	22.8	23.6	24.1	25
3	20.8	20.2	20.1	19.8	**19.4**	19.5	20.5	23.5	27.2	26.9	27.5	27.5
4	23.3	23.2	22.7	21.9	21.9	22.3	22.5	22.7	24.2	26.3	27.4	27.5
5	21	20.2	19.6	19.3	**18.8**	19	20.2	23.9	27.3	29	30.3	30.7
6	21	20.8	19.7	18.5	18	**17.7**	19.5	23.2	26.3	26.6	29	30
7	20.4	19.6	19.5	19.4	19.1	**19**	20.5	24.4	27.2	27	26.4	28.3
8	21.1	19.7	18.6	17.8	17.2	**17.1**	18.5	23.7	26.4	27.1	28	28.4
9	20.2	19	18.1	17.9	17	**16.9**	19	23.7	25.6	26.5	27.2	28.2
10	20.4	19.3	18.8	17.7	17.3	**16.7**	18.8	23.7	25.8	26.5	27.4	28.1
11	23	22.4	22.2	22.1	21.7	**21.6**	23	26	28.3	27.5	27.8	29.9
12	24.2	23.8	23.2	24.1	23	22.4	23.2	26.3	**29.1**	26.3	25	25.3
13	21.7	21.8	21.4	21	20.8	**20.2**	22	26.8	28	27.7	29.5	32.3
14	23.8	22.9	22.5	22.7	21.4	**21.2**	23	27.3	29.7	31.3	31.4	29.8
15	22.7	21.9	21.5	21.3	20.7	**20.3**	22.6	25.8	27.8	27.7	29	29.8
16	21.9	21.3	20.8	20.4	**20**	**20**	22.3	25.6	27.5	28.7	29	29.9
17	23.9	23	22.4	22.2	21.8	**21.6**	23.1	26.6	27.5	28.9	30.2	30.6
18	24.1	24	23.6	**23.3**	23.6	23.6	24.4	26	27.4	28.3	29.5	30.2
19	24.9	24.3	24	23.7	23.3	**23**	25.2	27.5	27.8	29.9	29.3	29.5
20	23.5	23	22.9	23	23.1	22.3	22.7	23.5	24.3	24.1	24	24.8
21	21.6	21.5	21.1	20.8	**20.7**	20.8	21.5	25.3	27.7	29.6	29.3	28.3
22	22.4	22	21.7	21.3	21	**20.7**	22.4	25.7	27.4	27.7	28.7	29.5
23	21.8	21.2	21.6	21.2	20.8	**20.1**	21.8	24.7	27.5	28.6	28.8	29.4
24	23.6	23.6	23.3	22.7	**22.4**	22.5	23.8	27	27.5	28.1	28.7	29.6
25	22.9	22.5	22.2	22.2	21.8	**21.7**	23.4	25	28.3	27.7	28.6	28.1
26	**23.1**	23.3	23.3	23.3	23.2	**23.1**	23.7	25.3	28	28.4	28.3	28.6
27	23.1	22.8	22.3	22	**21.7**	22.1	23.2	26.5	28.2	28	27.9	30
28	23.2	23	22.6	22.4	22	**21.8**	23	24.6	28.4	29.6	30.5	28.9
29	23.1	22.5	22	21.6	**21.3**	21.5	24.5	27.2	30.3	31.5	32.6	32.5
30	22.4	22	21.2	**20.6**	20.7	21.7	24.3	27.8	30	30.9	31.7	**32.6**
31	23.2	22.7	22.2	21.6	20.7	**20.6**	22.3	25.7	28.6	29.8	29.3	28.6
Mean	22.5	22	21.6	21.3	20.9	**20.8**	22.2	25.2	27.4	28	28.5	29

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
60.68	59.94	59.31	**58.99**	59.11	59.27	59.58	60.45	60.90	60.90	60.90	60.85	60.66
60.56	60.01	59.31	59.09	**59.06**	59.21	59.42	59.95	60.35	60.45	60.35	60.20	60.44
60.11	59.29	58.94	**58.72**	59.15	59.62	60.09	60.45	60.90	61.15	61.35	61.20	60.32
60.15	59.53	59.37	**59.35**	59.60	59.99	60.10	60.60	61	61.10	61.20	61.15	60.68
60.28	59.54	59.07	**58.97**	59.09	59.37	60.07	60.55	60.90	60.95	61.05	60.85	60.68
59.63	58.90	58.31	**58.13**	58.39	58.77	58.83	59.25	59.70	60	60.30	60.30	59.98
59.62	58.75	58.23	**58.17**	58.45	58.84	59.40	59.90	60.35	60.45	60.60	60.45	59.97
59.49	58.72	58.04	**58.01**	58.30	58.82	59.34	59.85	60.30	60.45	60.45	60.35	60.10
60.03	59.31	58.62	**58.55**	58.70	58.98	59.42	59.90	60.15	60.20	60.05	59.90	60.06
59.39	58.12	**57.46**	57.56	57.72	58.14	58.28	58.85	59.55	60.15	60.50	60.45	59.29
59.17	58.38	58.01	**57.31**	58.27	58.73	59.61	60.05	59.95	60.30	59.90	60	59.51
60.89	60.04	60.32	60.23	60.39	60.43	60.87	61.05	61.60	61.70	**61.75**	61.70	60.43
59.96	59.27	58.90	**58.76**	59.05	59.44	59.82	60.20	60.60	60.80	60.85	60.55	60.62
59.38	58.82	58.17	**57.84**	58.04	58.18	58.62	59.10	59.50	59.75	59.95	59.60	59.83
58.24	57.32	56.96	**56.94**	56.99	57.38	58.09	58.75	59.15	59.45	59.70	59.75	**58.89**
58.70	57.90	57.57	**57.54**	57.85	58.24	58.81	59.15	59.45	59.60	59.65	59.55	59.12
59.17	58.26	57.79	**57.62**	58.17	58.56	58.95	59.50	59.75	60.20	60.20	60.25	59.31
59.21	58.54	57.82	**57.55**	57.97	58.50	58.80	59.35	60	60.25	60.55	**60.65**	59.47
59.62	58.99	58.30	57.94	**57.82**	58.40	58.82	59.65	60.25	60.70	60.75	60.75	60.02
61.14	60.29	59.63	59.29	**58.96**	59.24	59.83	60.25	60.75	60.90	61	60.90	60.81
60.64	59.89	59.23	**59**	59.21	59.54	60.05	60.75	61.10	61.35	61.20	61.05	60.71
60.53	60.02	59.56	**59.35**	59.56	59.91	60.33	60.70	61.15	61.45	61.30	61.15	60.99
60.53	59.73	59.07	**59.06**	59.26	59.61	60.02	60.70	61.05	61.30	61.30	61.05	60.94
60.51	59.73	58.76	**58.72**	58.92	59.53	60.19	60.90	61.60	61.90	61.85	61.50	60.82
60.66	60.03	59.48	**59.46**	59.99	60.63	60.97	61.60	62.05	62.50	**62.65**	62.40	61.19
61.64	60.93	**60.84**	61.12	61.24	61.40	61.95	62.45	62.95	63.10	63.20	62.95	62.14
62.21	61.63	61.33	**61.17**	61.62	62.09	62.47	62.80	63.20	63.35	63.40	63.05	**62.54**
61.76	60.99	60.43	**60.31**	60.77	61.14	61.63	62	62.50	62.70	62.80	62.65	61.95
61.46	60.98	60.47	**60.32**	60.62	61.11	61.80	62.40	62.95	**63.30**	**63.30**	63	61.91
60.57	60.05	**59.55**	**59.55**	60.02	60.77	61.55	61.85	62.30	62.60	62.30	61.95	61.57
59.24	58.53	58.01	**57.71**	58.22	58.74	59.37	59.85	60.10	60.15	60.15	59.85	60.02
60.17	59.43	58.93	**58.78**	59.05	59.44	59.91	60.41	60.84	61.07	61.11	60.97	60.48

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
28.5	28.5	**28.6**	28.2	27.3	25.9	25.8	25.6	25.1	23.6	22.9	22.3	25
26	25.2	27.4	26.7	**27.8**	26.3	24.4	23.3	22.5	22.2	21.7	21.3	**23.5**
29.3	28.5	27.5	**30.5**	28	26	24.8	24.3	23.5	23.3	23.2	23.4	24.4
29.1	**29.8**	29.3	29.4	27.5	25.3	23.9	22.9	22.7	22.6	22.3	**21.3**	24.7
31	**31.4**	31.1	30.2	28.5	26.1	24.8	24	23.6	23.1	22.6	21.9	24.9
31.2	**31.6**	31.3	30.5	29.9	27.2	25.7	24.7	23.9	23.1	21.8	20.6	24.7
28.9	29.7	29.9	**30**	28.5	26.8	25.3	24.4	23.4	23.1	23	22.5	24.4
28.4	29.7	**30.8**	30	28.7	26.7	25.3	24.5	23.5	22.9	22.3	21.3	24.1
28.6	29.3	**29.5**	29.1	28.7	27.2	25.9	25	23.9	23	22	21.7	23.9
29.4	31	**31.2**	29.4	28.9	27.7	27	26.6	26.3	24.1	23.7	23.5	24.6
28.9	29.9	28.2	**31.3**	28.9	27.7	27	26.2	25.7	25.3	24.9	24.2	26
26.9	28.6	28.2	26.6	26.5	26.8	25.2	25.1	23.8	23	22.6	**22**	25
33	**33.1**	33	31.5	30.1	28.2	27.1	26.4	25.8	25.1	25.3	25	26.5
32.8	**33**	32.6	32.4	31	28.8	27.1	26.2	25.5	25	24.4	23.7	**27.1**
32.5	**32.7**	32.2	31.7	30.4	28.2	26.8	25.9	25.2	24.3	23.7	23.2	26.2
32.8	33.3	**33.8**	**33.8**	32.3	30.5	28.1	27.2	26.5	26.1	25.2	24.7	26.7
31.5	**31.8**	31.2	30.9	29.6	27.9	27.4	27	26.1	25.7	25.4	24.8	26.7
30.4	**31.2**	30.9	29.7	29.1	27.7	27.1	26.9	26.6	26.2	26.3	25.5	26.9
30.4	31.3	29	**31.8**	31.6	28.6	27.1	26.4	26.1	25.6	25.3	24.6	**27.1**
27.4	27.2	27	27.2	26.5	26	24.9	24.2	23.6	23	**22**	22.2	24.3
30	30.6	31.5	**31.8**	30	27.9	26.4	25.4	24.9	24.5	23.8	22.7	25.8
30.5	31.1	**31.2**	**31.2**	29.3	27.2	26.2	25.6	24.8	24.5	23.9	22.3	25.8
29.7	29.9	**31**	30.9	29.5	28.1	26.7	25.9	25.4	25.1	24.8	24.1	25.8
30.7	31	**31.8**	31.3	30.4	28.7	27	26.3	25.6	24.6	24.2	23.6	26.6
29	26	29.8	**31**	29.3	27.3	25.9	25.2	24.7	23.9	23.6	23.1	25.6
27.7	**28.7**	26.2	26	25	24.8	24.9	24.2	24	23.8	23.7	23.3	25.2
29.1	**31.7**	29.2	28	26.8	24.3	23.9	23.9	23.8	23.8	23.5	23.3	25.4
26.4	**31**	29.9	29.9	29	28.1	27	26.2	25.3	24.4	23.9	23.6	26
33.8	31.2	31.7	32	30.2	28.3	26.3	25.1	24.2	23.9	23.8	22.5	26.8
32.4	**32.6**	32.5	31.9	30.4	27.8	26.1	24.8	24	23.6	23.4	23.2	26.6
29.5	31.4	**31.8**	30.7	29.4	27.7	25.9	24.6	23.2	21.9	21.9	21	25.6
29.9	**30.4**	30.3	30.2	29	27.3	26	25.3	24.6	24	23.6	23	25.5

RELATIVE HUMIDITY (%).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	80	82	**86**	85	84	83	79	68	58	**54**	64	68
2	81	82	82	85	90	89	91	**96**	92	86	80	79
3	90	91	91	91	**92**	**92**	89	79	63	60	61	64
4	76	82	86	**88**	87	87	86	**88**	77	67	61	61.5
5	83	86	89	90	**92**	90	89	75	61	53	52	51
6	84	82.5	89	92	**97**	93	90	71	60.5	61	52	47
7	83	89	88.5	89	**90**	**90**	88	69	65	68	68	65
8	79	83	85	89	**92**	**92**	88	62.5	56	54	52	52
9	86	89	**94**	92	**94**	93	85.5	69	71	66	63	58
10	83	86	86	91	92	**96**	85	67	62	62	57	54
11	79	81.5	82	82	**85**	**85**	79	69	63.5	69	67	60
12	86	86	88	87	90	93	90	79	71	80	85	80
13	95	93	95	95	94	**96**	93	74.5	71	72	64	49
14	85	88	89	89	**95**	**95**	89	68	54	51.5	54	63
15	83	87	**88**	86	**88**	**88**	85	72	66	70	65	62
16	86	86	86	87	**89**	85	80	71	60	55	61	58.5
17	90	93	95	96	**97**	**97**	93	83	76	68	67	63
18	90	89	90	**91**	90	89	89	82	77	75	68	64
19	83	83	85	85	**89**	86	79	74	76	66	66	65
20	87	88	89	88	90	**94**	**94**	89	82	81.5	89	83
21	90	90	92	**93**	92	91.5	89	83	70	59	61	68
22	87	88	91	**94**	91	91	88	75	67	65	63	60
23	83	**86**	85	84	85	**86**	82	78	71	64	58	58
24	86	85	87	91	**92**	90	87	75	68	64	63	60
25	82	83	86	85	**87**	86	85	83	67	72	68	70
26	84	83	84	84	87	87	87	80	65	62	68	64
27	88	90	93	94	**95**	**95**	92	73	70	64	72	56
28	89	90	90	90	92	**93**	91	84	66	60	58	69
29	79.5	82	83	**85**	**85**	84	78.5	66	53	45	**41**	**41**
30	82	85	90	91	**95**	86	78	62	51	44	43	40
31	72	75	77	77	81	81	77	65	58	54	60	63
Mean	84.2	85.9	87.8	88.6	**90.3**	89.8	86.3	75.2	66.7	63.6	62.9	61.2

VAPOR PRESSURE (mm).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	16.4	16.4	16.4	16.2	15.8	15.5	15.3	15.5	**15.1**	15.3	17.6	18.3
2	**15.8**	16.4	16.4	16.4	16.4	16.6	17.1	18.1	**19**	18.7	17.8	18.5
3	16.4	15.9	15.8	15.7	**15.5**	15.6	15.9	17	16.8	15.7	16.6	17.4
4	16.2	17.3	17.6	17.3	16.9	17.4	17.4	18	17.2	17	16.7	16.8
5	15.3	15.1	15.2	15	14.9	14.8	15.6	16.5	16.6	15.9	16.6	**16.9**
6	15.6	15.1	15.1	14.6	14.9	14	15.2	14.9	15.4	**15.8**	15.4	14.7
7	14.8	15	14.9	15	14.8	14.8	15.8	15.7	17.4	18.1	17.3	18.5
8	14.7	14.2	13.6	13.5	13.4	**13.3**	14	13.6	14.3	14.4	14.5	15
9	15.1	14.6	14.5	14	13.5	**13.3**	14	15.1	**17.2**	16.9	16.8	16.4
10	14.8	14.3	13.9	13.7	**13.5**	**13.5**	13.8	14.6	15.4	15.8	15.4	15.2
11	16.4	16.4	16.4	16.3	16.4	**16.2**	16.6	17.4	18.2	18.9	18.5	18.7
12	19.2	18.9	18.6	19.5	18.7	18.7	19.1	20.2	**21.2**	20.4	20	19.3
13	18.2	18	17.9	17.6	17.2	16.9	18.2	19.5	**20.1**	19.9	19.7	17.6
14	18.6	18.2	18.1	18.2	18.1	17.9	18.5	18.4	**16.8**	17.5	18.4	**19.6**
15	17.1	16.9	16.8	16.3	16	**15.6**	17.3	17.8	18.3	19.3	**19.5**	19.3
16	16.7	16.3	15.7	15.5	15.4	**14.8**	16	17.4	16.4	16.1	18.1	18.3
17	19.8	19.4	19.1	19	18.9	**18.6**	19.5	21.4	20.8	20.1	21.3	20.5
18	20	19.7	19.4	19.4	19.4	**19.2**	20.2	20.6	20.9	21.5	20.8	20.5
19	19.5	18.8	18.8	18.6	18.9	**18**	18.8	20.2	**21**	20.7	19.9	20
20	18.7	18.3	18.4	18.3	19	18.8	19.2	19.1	18.6	18.2	**19.7**	19.4
21	17.3	17.2	17.1	16.9	16.8	**16.7**	18.1	19.8	19.3	18.3	18.5	19.3
22	17.5	17.4	17.5	17.6	16.8	16.5	17.6	18.5	18.2	18	18.5	18.4
23	16.1	16.2	16.2	15.7	15.6	**15**	16	18	**19.4**	18.7	16.9	**17.7**
24	18.7	18.5	18.5	18.7	18.5	18.3	19.1	**19.7**	18.5	18.1	18.3	18.5
25	17	16.9	17.1	16.9	16.8	**16.5**	18.2	19.7	19.1	19.9	19.7	19.8
26	17.6	17.6	17.8	17.8	18.4	18.3	19	19.1	18.2	17.9	19.3	18.7
27	18.4	18.6	18.6	18.4	18.2	18.7	19.5	18.7	19.8	18	**20.2**	17.7
28	18.7	18.7	18.4	18.2	18	18	19	19.3	19.1	18.5	19	20.5
29	16.7	16.5	16.3	16.2	16.1	16	**17.9**	17.7	17.1	15.3	**15**	**15**
30	16.6	16.7	16.8	16.4	17.3	16.5	**17.5**	17.2	16	14.5	14.9	14.8
31	15.3	15.4	15.4	14.8	14.7	**14.6**	15.5	16	16.9	16.9	18.1	18.4
Mean	17.1	16.9	16.8	16.7	16.6	**16.4**	17.3	17.9	18	17.8	18	**18.1**

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
66	67	64	65.5	75	76	77	79	73	73	77	81	73.5
75.5	76	70	73	**66**	72	74	80	83	85	87	89	**81.8**
58	**57**	62	56	57.5	65	69	72	75	77	78	75.5	73.5
58	58	58	**54**	61	67	72	74	76	77	77	83	73.4
48	48	**46**	**46**	52	60	68	72	73	76	78	80.5	69.1
40	**39**	41.5	44	50	56	60	63.5	67	72	77	82	67.1
63	51	46.5	**46**	56	55	62	69	74	74.5	74	72.5	70.7
51.5	52	**47**	48	54	60	63	68	72	74	76	81	68
55	**50**	53	52	52	57	63	66	71	74	78	78	71.2
51	**48**	52	58	55	58	62	64	66	76	76	77	69.3
67	61	65.5	**54**	59	64	67.5	71	72	76	78	82	71.6
67	**61**	68	71	73	76	83	81	90	91	90	**94**	81.7
46	**43**	46	53	60	68	72	75	77	79	78	79	73.6
50	50	50	**49.5**	52	58	66	69.5	72	73	75	79	69.4
50	**45**	48	49	53.5	64	69	73	76.5	78	80	80	71.1
52	49	**48**	50	54	60	73	75	76	78	83	85	70.3
61	**58**	62.5	67	72	79	78	77.5	82	84	86	87	79.7
66	**62.5**	67	71	74	80	83	83	85	85	85.5	85	80
61	58	69	55	**53.5**	64	70	73	74	78	79	82	73.1
70	68	65	**63**	69	72	75.5	79	80.5	83.5	88	87	81.5
63	62	56	**54**	59	62	70	74	75.5	78	82	87	75
55	55	54	**50**	54	62	67	69	72	71	73	81	71.8
58	59	57.5	**57**	61	63	71	74	77	78	79	83	72.4
58	59	54	52	**47.5**	55	63	66	69	75	76	79	70.9
67.5	84	68	**57.5**	61	64	67	71	73	79	80.5	81	75.3
64.5	**58**	70	78	81	82	77	83	84	85.5	86	**88**	78
55	**51**	55	67	67	80	84	86	86	85.5	87	88	78.1
77	63	63	**54**	56	59	63	65.5	69	74	76	78	73.7
41	45	44	43	49	56	67.5	73	78	78	77	83	64.9
39	**36.5**	39	40	42	52	58	64	66	69	70	72	**62.3**
60	54	53	**52**	56	60	67	68	75	80.5	80	**83**	67.9
57.9	**55.7**	56.2	55.8	59.1	64.7	69.7	72.8	75.5	78	79.6	82	72.9

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
19.2	19.4	18.7	18.6	**20.2**	18.9	19	19.3	17.2	15.9	16	16.1	17.2
18.8	18.1	18.9	**19**	18.3	18.3	16.8	17.1	16.9	16.9	16.9	16.8	17.5
17.5	16.4	17	**18.2**	16.1	16.1	16.2	16.3	16.1	16.4	16.5	16.2	16.4
17.3	**18.2**	17.5	16.4	16.6	16	15.8	**15.4**	15.6	15.6	15.5	15.6	16.7
16.1	16.5	15.3	**14.6**	14.9	15.2	15.8	16	15.9	16	16	15.7	15.7
13.4	**13.4**	14.1	14.2	15.7	15	14.7	14.7	14.8	15.2	15	14.9	14.8
18.6	15.8	14.6	**14.4**	16.2	**14.4**	14.8	15.7	15.8	15.7	15.4	14.7	15.8
14.8	**16**	15.7	15.3	15.7	15.5	15.2	15.7	15.6	15.4	15.1	15.3	**14.7**
16	15.2	16.1	15.7	15.2	15.4	15.6	15.5	15.7	15.6	15.3	15	15.3
15.6	16	**17.7**	**17.7**	16.1	16.2	16.4	16.6	16.7	16.9	16.5	16.6	15.5
19.7	19.1	18.6	18.2	17.4	17.6	17.8	18	17.7	18.2	18.2	18.5	17.7
17.7	17.8	19.4	18.5	18.7	19.9	19.9	19.2	19.7	19	18.4	18.4	19.2
17	**16.2**	17	18.1	19.2	19.4	19.1	19.2	19	18.6	18.7	18.5	18.4
18.5	18.6	18.2	17.9	17.3	16.9	17.6	17.6	17.5	17.3	17.1	17.2	17.9
18.1	16.6	17.1	17	17.2	18.2	18.2	18.1	18.2	17.7	17.4	17	17.5
19.1	18.8	18.9	19.7	19.4	19.5	**20.6**	20	19.5	19.5	19.7	19.6	18
20.9	20.3	21.1	22.1	**22.3**	21.9	21.3	20.5	20.5	20.5	20.7	20.2	20.4
21.2	21.1	**22.1**	22	22	22	22	22	21.9	21.4	21.7	20.7	**20.9**
19.6	19.7	20.7	19.3	18.4	18.6	18.7	18.8	18.6	18.9	18.9	18.8	19.3
18.9	18.3	17.3	**17**	17.8	17.9	17.7	17.8	17.4	17.4	17.4	17.2	18.2
19.8	**20.1**	19.1	18.7	18.5	17.3	17.8	17.9	17.7	17.8	18	17.8	18.2
17.8	**18.6**	18.1	17	16.3	16.6	17.1	16.9	16.7	16.3	**16**	16.1	17.3
17.9	18.5	19.2	18.9	18.8	17.9	18.4	18.4	18.5	18.5	18.3	18.5	17.6
19.9	19.6	18.9	17.7	**15.4**	16.1	16.6	16.7	16.7	17.2	17	17.1	18
20	21	**21.1**	19.2	18.5	17.3	16.7	17	16.9	17.4	17.4	17	18.2
17.8	**17**	17.8	**19.4**	19.1	19	18	18.7	18.6	18.7	18.8	18.7	18.4
16.5	17.6	16.5	18.7	17.6	18	18.5	18.9	18.9	18.7	18.7	18.7	18.4
19.7	**21.1**	19.7	16.8	16.6	16.6	16.6	**16.5**	16.6	16.8	16.7	16.9	18.2
15.9	15.1	15.2	15.3	15.7	16.1	17.2	17.4	17.6	17.2	16.9	16.9	16.3
14.1	**13.3**	14.1	13.9	13.6	14.3	14.5	15	14.6	14.9	15	15.3	15.3
18.4	18.4	**18.5**	17.1	16.9	16.7	16.5	15.8	15.8	15.7	15.6	15.5	16.4
17.9	17.8	17.9	17.6	17.5	17.4	17.5	17.5	17.4	17.3	17.3	17.1	17.4

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1												
2												
3												
4												
5												
6												
7	A.-Cu.		A.-Cu.		A.-Cu.							
8												
9												
10												
11	Ci.		Ci.		Ci.		Ci.					
12	A.-Cu.		A.-Cu.		A.-Cu.							
13												
14												
15												
16	A.-Cu.											
17												
18	A.-Cu.											
19												
20												
21	A.-Cu.		A.-Cu.									
22	Ci.											
23	Ci.		A.-Cu.		Ci.							
24	A.-Cu.				Ci.-Cu.						A.-Cu.	
25	A.-Cu.	E			A.-Cu.	E			Ci.			
26	Ci.-S.		Ci.-S.		A.-Cu.		Ci.-S.				Ci.-S.	
27	A.-Cu.		Ci.-Cu.		Ci		Ci.					
28					Ci.-S.		A.-Cu.					
29												
30	Ci.		Ci.				Ci.					
31	Ci.				Ci.				Ci.			

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
2	N.	ENE	N.	ENE	Fr.-N.	ENE	N.		Fr.-N.		Cu.	
3	Cu.		Cu.		Cu.	E	Cu.	E	Cu.		Cu.	
4	Fr.-N.		N.		Cu.	E	Cu.	E	N.-cf.	E	N.-cf.	E
5	Cu.		Cu.		Cu.		Cu.		Cu.	ESE	Cu.	
6	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
7	Cu.	E	Cu.	E	Cu.		Cu.	E	Cu.	E	N.-cf.	
8	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Fr.-Cu.	
9	Cu.		Cu.		Cu.		Cu.	ESE	Fr.-Cu.	ESE	Cu.	
10	Cu.		Cu.				Cu.		Cu.		Cu.	
11	Cu.		Cu.		Cu.		Cu.	ESE	Cu.	ESE	Cu.	
12	S.-Cu.		S.-Cu.	EbyN	N.-cf.	EbyN	N.	EbyN	Cu.-N.		Fr.-N.	
13	Cu.		Cu.		Cu.		Cu.	E	Cu.		Cu.	
14	Cu.		Cu.		Cu.		Fr.-Cu.	E	Cu.	E	Cu.	
15	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E
16	Cu.		Cu.		Cu.		Cu.	ESE	Cu.	EbyS	Cu.	E
17	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	E
18	S.-Cu.		S.-Cu.	E	Cu.	E	Cu.		Cu.		Cu.	
19	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	
20	Fr.-N.	E	Fr.-N.	E	N.		N.		Fr.-N.		Fr.-N.	
21	Cu.				Cu.		Cu.	E	Cu.	E	N.-cf.	E
22	Cu.		Cu.				Cu.		Cu.		N.-cf.	
23							Cu.		Cu.	E	N.-cf.	E
24			Cu.		Cu.	E	N.-cf.	E	N.-cf.	E	N.-cf.	E
25	Cu.		S.-Cu.	ESE	S.-Cu.	ESE	Cu.	E	Cu.	E	N.-cf.	E
26	S.-Cu.	ENE	S.-Cu.	EbyN	S.-Cu.	EbyN	Cu.	EbyN	Cu.	EbyN	Cu.	EbyN
27	S.-Cu.	E	S.-Cu.	E	Cu.	E	N.-cf.	E	N.-cf.	E	N.-cf.	E
28	S.-Cu.	E	Cu.	E	Cu.	E	Cu.	E	N.-cf.	ENE	Cu.-N.	ENE
29	Cu.		Cu.		Cu.	E	Cu.	E	N.-cf.	E	Cu.	ESE
30	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E
31	Cu.		Cu.	E	Cu.	E	Cu.	E	N.-cf.	E	N.-cf.	E

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Ci.								Ci.		Ci.-S.	
A.-Cu.								A.-Cu.		A.-Cu.	SbyW
										Ci.	
								A.-Cu.			
		Ci.		Ci.-S.		Ci.-S.	S	Ci.-S.		Ci.-S.	
						A.-Cu.		A.-Cu.	SE	A.-Cu.	
A.-Cu.		A.-Cu.	SWbyS	A.-Cu.	SWbyS	Ci.-S.	W	Ci.-S.		Ci.-Cu.	
								Ci.		Ci.	
										Ci.	
										Ci.-S.	
		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
								A.-Cu.		Ci.-S.	
				Ci.-S.		A.-Cu.		Ci.-S.		A.-Cu.	
				Ci.-S.				Ci.-S.		Ci.-S	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.			
						A.-Cu.		A.-Cu.		A.-Cu.	
						Ci.				Ci.	
								A.-Cu.			

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Cu.		Cu.		Cu.		Cu.		Cu.		Fr.-Cu.	
Cu.		Cu.-N.	E	Cu.	E	Cu.		Cu.	E	Cu.	
Cu.	EbyS	N.-cf.	ESE	N.-cf.	ESE	N.-cf.	SEbyE	N.-cf.		N.-cf.	
N.-cf.	ESE	Cu.	ESE	Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.	ENE	Cu.	ENE	Cu.	ENE	Cu.	ENE	Cu.	
Cu.	ENE	Cu.		Cu.	NEbyE	Cu.		Cu.		Cu.	
Cu.	ESE	N.-cf.	E	Cu.	EbyN	Cu.	EbyN	Cu.-N.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.			
Cu.-N.	SE	Cu.-N.	E	Cu.	ESE	Cu.	ESE	Cu.		Cu.	
Cu.-N.		S.-Cu.		S.-Cu.	EbyN	S.-Cu.	EbyN	S.-Cu.	EbyN	S.-Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.	E	Cu.	E	Cu.		Cu.		Cu.		Cu.	
Cu.	E	Cu.	E	Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.-N.	E	Fr.-Cu.	E	Cu.		Fr.-Cu.		S.-Cu.	
N.-cf.		Cu.		Cu.				Cu.		S.-Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
N.-cf.	E	N.-cf.	E	N.-cf.	E	Cu.	E	Cu.		Cu.	
Cu.	E	Cu.	E	Cu.	E	N.-cf.	E	Cu.			
Cu.-N.	E	Cu.-N.	E	Cu.		Cu.		Cu.-N.		Cu.-N.	
Cu.	ENE	Cu.-N.	ENE	Cu.-N.	ENE	Cu.-N.	ENE	Cu.-N.		Cu.-N.	
Cu.-N.	E	Cu.	E	Cu.-N.	E	Cu.	E	Cu.-N.	E	Cu.-N.	
Cu.-N.	ENE	Cu.	E	Cu.	E	Cu.		Cu.		Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
Cu.	E	Cu.	E	Cu.		Cu.		Cu.		Cu.	
N.-cf.	E	Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	N	7	N	6	N	2	N	2	NNE	3	NNE	3
2	N	6	N	5	N	5	N	8	N	5	NNE	5.5
3	ENE	1	Calm		Calm		Calm		N	.5	Calm	
4	ESE	1	ESE	2.5	E	1.5	Calm		Calm		E	1
5	Calm		ENE	.5	ENE	.5	Calm		Calm		Calm	
6	E	1.5	E	2	E	1	N	1	N	1	Calm	
7	Calm		Calm		Calm		E	.5	Calm		Calm	
8	NE	1	NE	1.5	NE	1	NE	.5	NE	.5	Calm	
9	NE	1	NE	1	N	.5	NE	1	NE	1	Calm	
10	E	1	E	1.5	SE	1	SE	1	SE	1.5	ESE	1.5
11	E	1	N	1	N	2.5	N	1.5	Calm		Calm	
12	Calm		Calm		NNW	3	NNW	3.5	Calm		Calm	
13	Calm		N	1	N	2	Calm		Calm		Calm	
14	NE	1	NE	.5	Calm		Calm		NE	.5	Calm	
15	SE	.5	SE	.5	NE	1	NE	2	NE	3.5	Calm	
16	NE	1	NE	1	NE	1	NE	.5	NE	1	E	2
17	ESE	.5	Calm		Calm		Calm		Calm		Calm	
18	Calm		N	.5	NE	.5	NE	.5	Calm		Calm	
19	N	3	N	5	N	4.5	N	5	N	2.5	Calm	
20	NNE	1	Calm		Calm		Calm		NE	1	NE	2.5
21	Calm		NE	.5	NE	.5	Calm		Calm		Calm	
22	Calm		Calm		NE	.5	NE	.5	Calm		Calm	
23	NE	.5	NE	.5	NE	1	E	1	Calm		Calm	
24	Calm		Calm		Calm		Calm		E	.5	Calm	
25	Calm		Calm		NE	1	Calm		Calm		Calm	
26	NNE	1	N	1.5	N	1	NNE	1.5	NNE	1	Calm	
27	Calm		Calm		Calm		Calm		Calm		Calm	
28	Calm		NE	.5	Calm		N	.5	Calm		Calm	
29	Calm		Calm		Calm		Calm		N	1.5	Calm	
30	NE	1	E	.5	Calm		Calm		Calm		Calm	
31	E	.5	E	.5	E	.5	N	.5	N	.5	NE	1.5
Mean		1		1.1		1		1		0.8		0.5

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	WSW	5	WSW	6	WSW	6.5	WSW	6	WSW	6.5	SW	1.5
2	WSW	3	WSW	.5	Calm		SSW	1	Calm		Calm	
3	WNW	5.5	N	2.5	ENE	1.5	NE	2.5	NE	.5	ENE	1.5
4	SE	2	SE	6	ESE	5	ESE	3	SE	6	ESE	3
5	SSE	6	SSE	5	SSE	4.5	SSE	8.5	SSE	5.5	SE	4
6	SE	6.5	SE	3	SE	2	SE	5.5	ESE	3	SE	3
7	WSW	4	SE	4.5	SSE	9	SSE	9	SSE	5	SE	4
8	WNW	2.5	W	4.5	SE	10	SE	9	SE	7	ESE	6
9	W	4	WNW	2	WSW	2.5	WSW	2	SE	3.5	SE	5.5
10	W	3	W	3	WSW	2.5	W	5.5	WSW	6	WSW	3.5
11	WSW	1.5	WSW	1	WNW	2	NE	5	NEbyE	5.5	NE	3
12	ENE	2.5	E	1.5	W	3.5	WNW	2.5	WSW	2.5	SSE	1
13	SE	5.5	SSE	9	SSE	4	SE	7.5	SE	5	SE	4
14	SE	8.5	SE	6	SE	5.5	SE	8	SE	3.5	SE	6
15	SE	9	SE	5	SSE	10	ESE	5.5	ESE	4.5	SE	3
16	SE	8	SE	5	SE	2.5	SE	4	SE	2.5	SE	2
17	WSW	4	WNW	4.5	WNW	3.5	W	4.5	SW	1.5	SSW	2
18	WSW	5	W	6	SW	7	SWbyW	6	SW	5	SW	5
19	W	5	W	3	Calm		SE	4	SE	5.5	SE	4
20	Calm		ESE	5.5	ESE	4.5	E	3.5	SE	5.5	ESE	2.5
21	W	3.5	S	2	SE	5.5	SE	4.5	SE	3.5	SE	4.5
22	WNW	1.5	W	3	WSW	2.5	SSE	4	SSE	4.5	SE	3
23	W	3.5	WSW	2.5	SSE	3	SSE	6.5	SE	3	ESE	3
24	W	1	W	4	SE	2.5	ENE	4	ESE	2	ESE	1.5
25	NW	2.5	Calm		Calm		NE	1.5	SSE	.5	ESE	1
26	WNW	2.5	ESE	7.5	ESE	5	ESE	3.5	Calm		Calm	
27	EbyS	3.5	ESE	2	ESE	4.5	SE	7.5	EbyS	2	ENE	3
28	SE	2	ESE	3	SE	3	E	2.5	ENE	5	ESE	4.5
29	ENE	6	E	5.5	ESE	9	E	7.5	E	3	E	3
30	ENE	3	E	6.5	Calm		ENE	3	ESE	2.5	E	2.5
31	WbyN	2	W	3	SE	2	SE	4	ESE	4	ESE	3.5
Mean		3.9		4		4		4.9		3.7		3

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
NNE	3	NNE	6	NbyE	6.5	NNW	4	W	6	W	3.5
NNE	1.5	NNE	2.5	NNW	2	N	1.5	NW	1	WNW	2
Calm		NNE	1.5	NNE	.5	WNW	3.5	WSW	3.5	WNW	3
Calm		SE	2.5	SEbyE	2	ESE	2.5	ESE	2.5	ESE	2
Calm		Calm		Calm		E	4	SE	4.5	SE	8
Calm		NNE	1.5	Calm		WSW	2	SSE	1.5	SE	4
Calm		Calm		SSE	1.5	Calm		NW	4	W	4
Calm		NNE	.5	NNW	2.5	NW	2	W	4.5	WSW	4
Calm		E	.5	SSW	2	WSW	3	WSW	5	WNW	3.5
Calm		ESE	1	Calm		W	4	NW	5.5	WNW	3.5
Calm		Calm		Calm		W	3	WSW	3	W	5.5
Calm		ENE	.5	ESE	1.5	NE	2	Calm		E	1
Calm		Calm		WNW	1	NW	4.5	WNW	4	SE	6.5
Calm		E	1.5	ESE	3.5	Calm		SEbyE	2.5	Calm	
NNE	.5	NNE	2	W	2	WSW	2	WNW	3	WNW	2.5
Calm		Calm		W	1.5	WNW	2.5	WNW	1.5	W	3
Calm		SSE	.5	SSE	2	W	3.5	WbyN	3.5	WSW	5.5
Calm		Calm		WNW	.5	NW	1.5	WNW	4	WNW	2
NEbyN	1.5	NNW	1.5	NNW	2	E	1.5	W	3	WSW	4.5
NE	1	NE	1.5	ENE	.5	E	3	SE	4	ESE	2.5
Calm		Calm		Calm		SE	2	NNW	5	WNW	4
Calm		Calm		Calm		NW	1.5	WNW	4	WNW	3
Calm		Calm		Calm		Calm		WNW	2	WSW	1.5
Calm		Calm		SW	1	WSW	1.5	NW	3	W	4.5
Calm		Calm		WSW	1.5	WNW	2	W	3	WNW	2.5
Calm		Calm		Calm		Calm		WNW	1.5	NW	3
Calm		Calm		W	1.5	E	1.5	SSW	2.5	NE	1.5
Calm		Calm		ESE	.5	Calm		SSE	3	SW	2
Calm		Calm		NE	2	E	3.5	E	7.5	E	2
Calm		NE	1.5	ENE	8	E	4	E	5	E	3
NNE	1.5	NNE	1.5	NNE	1.5	NW	6.5	W	3.5	W	2.5
	0.3		0.9		1.5		2.3		3.4		3.2

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		Midnight.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Force.
SSW	3	SSW	1.5	NE	2	N	9	N	10	N	7	4.8
Calm		Calm		Calm		Calm		SE	1	Calm		2.1
Calm		Calm		Calm		ESE	1	ESE	1	ESE	1.5	1.3
Calm		SE	.5	ESE	1	ESE	1	ESE	.5	SE	.5	1.9
SSE	2	SE	1.5	SE	2	SE	1.5	SE	1.5	SE	1.5	2.5
SE	2.5	SE	2.5	SE	2.5	SE	1	NE	1	Calm		2
SE	3.5	SE	3	SE	2	SE	2.5	SE	2.5	SE	2	2.5
ESE	1.5	SE	2.5	SE	2	ESE	1.5	ESE	2	ESE	1.5	2.8
SE	3	SE	3.5	SE	2.5	ESE	2	SE	1.5	SE	1.5	2.2
WSW	4.5	WSW	3	SW	3	SE	1	E	1	E	1	2.4
Calm		Calm		NE	1.5	Calm		Calm		WSW	.5	1.6
Calm		E	2	Calm		N	1	N	1	Calm		1.2
SE	4.5	SE	2.5	E	1.5	SE	1.5	SE	2	SE	2	2.8
SE	4.5	SE	3.5	SE	2.5	SE	2	SE	1.5	SE	1	2.6
SE	2	SE	2	SE	1	SE	1.5	SE	1	SE	.5	2.7
SSE	3	SE	1.5	SE	2	SE	1	SE	.5	SE	1	2
SSW	4	SE	1	SE	.5	Calm		Calm		Calm		1.7
SW	3	SSW	2	SSW	2.5	SSW	2.5	SW	2	NNW	2	2.4
SE	2	SE	3	SE	2.5	ENE	.5	N	2.5	N	2	2.8
Calm		SE	1	E	.5	Calm		Calm		Calm		1.7
Calm		SE	1	SE	1.5	SE	.5	Calm		Calm		1.6
SE	1.5	SE	2	SE	1	SE	1	SE	1	NNE	1.5	1.5
SE	4.5	SE	3	SE	2	ESE	1.5	SE	2	ESE	.5	1.7
Calm		SE	1	E	.5	Calm		E	.5	Calm		1.1
ESE	2.5	ESE	1.5	E	.5	Calm		Calm		Calm		.8
E	5	E	.5	E	1	Calm		E	.5	Calm		1.5
Calm		Calm		Calm		Calm		Calm		Calm		1.2
E	2.5	ESE	1	E	1	NNE	1	Calm		Calm		1.3
ENE	.5	NE	1	Calm		Calm		Calm		NE	1.5	2.2
ESE	1	E	.5	E	1	Calm		E	.5	E	.5	1.8
ESE	2	E	1.5	E	.5	ESE	1	ESE	1	E	.5	1.9
	2		1.6		1.3		1.1		1.2		1	2

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	19.5	20	11	8.5	12.5	16	12	14	20	20	21	15.5
2	16	19	16	**23**	22	19	13	12	7	5	6	7.5
3	3	3	1	.5	1.5	2	2	4.5	4	7.5	15	14
4	6	9	7	4	0	1	3.5	8.5	8	13	17.5	16
5	1	2	1.5	.5	0	0	0	0	.5	5.5	12	15
6	6.5	7	4.5	3.5	3.5	1.5	0	6	2	3	8	10
7	0	.5	.5	2.5	1.5	0	0	.5	2.5	8	12	14.5
8	8.5	5.5	5	3.5	3	3	3.5	4.5	3.5	9.5	20	16
9	4.5	5	3	4.5	5	5	4	2	6	7	15	16.5
10	6	4.5	2.5	3	3	6	4	2.5	2.5	8	**20.5**	15.5
11	3	3.5	4.5	6.5	4.5	4	1	4	6.5	10	10.5	17
12	2.5	1.5	5	11.5	2	2	0	2.5	3.5	7	3	5
13	2	4	5	3.5	1	0	1	0	4.5	10.5	19	15
14	6	4	2	1	1.5	3	1	3.5	10	11	12.5	8.5
15	2.5	2	1	6	5.5	3	6	7.5	5	9.5	18	16
16	3	3.5	3	2.5	2.5	4.5	.5	2.5	5	11	12	**16**
17	4	2.5	5.5	3	1.5	.5	2	1.5	2.5	10.5	**16.5**	15
18	1.5	3.5	3.5	2.5	1.5	1	.5	1.5	1.5	6	15.5	12.5
19	10	16.5	17	17	12	9.5	4	9.5	14	11	**17.5**	14
20	5.5	3	3.5	2	2	16.5	3.5	6.5	7	12	16	14.5
21	1.5	3.5	4.5	2.5	2.5	2.5	2.5	1	2	4.5	7	18
22	2.5	4.5	3.5	4.5	4.5	2	2.5	1	4	8	17	15
23	4	5	5.5	5	3	.5	1	2.5	4	7	13	12.5
24	.5	.5	1	1.5	1	1	1	.5	5.5	6.5	8	15
25	0	0	1	1	0	1	1.5	2	3.5	9	**12.5**	10.5
26	2.5	5.5	6.5	4.5	5	1.5	.5	1	.5	1.5	2	11
27	0	.5	.5	0	1	0	0	4.5	6	5	11	8
28	.5	1	1	1	1	0	1.5	2	3	3.5	11	8
29	0	0	0	0	2	3	2	7	9	15	**25.5**	19.5
30	7.5	7.5	1.5	1	.5	1.5	1	2.5	**21**	14	**21**	16
31	6.5	4.5	5.5	6	4	6	8	8	7	6	**18**	13
Mean	4.4	4.9	4.3	4.4	3.6	3.8	**2.7**	4	5.8	8.5	14	13.6

AMOUNT OF CLOUDS (0–10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	2	3	2	1	2	2	2	1	1	1	1	4	1.8	9 40
2	10	10	10	10	10	10	8	10	8	8	7	7	9	2 05
3	2	2	2	3	4	4	4	9	7	6	8	8	4.9	7 35
4	10	10	8	8	8	8	6	7	3	2	2	2	6.2	6 15
5	1	0	1	1	2	2	3	2	2	2	2	2	1.6	10 00
6	2	2	1	1	1	1	2	3	3	2	2	1	1.8	10 15
7	5	8	2	4	7	5	3	6	5	6	4	1	4.7	6 50
8	1	1	2	2	3	3	2	2	3	3	3	4	2.4	9 35
9	1	1	1	2	4	4	4	5	5	6	5	4	3.5	9 55
10	0	0	0	1	1	1	2	4	5	7	9	8	3.2	8 40
11	4	3	2	8	9	5	8	9	8	5	8	8	6.4	7 20
12	4	6	7	10	10	10	9	7	8	8	9	7	7.9	2 35
13	0	1	2	4	2	1	2	1	1	1	1	2	**1.5**	**10 30**
14	2	1	2	3	6	7	7	6	5	4	3	1	3.9	10 25
15	0	1	1	2	3	3	3	2	2	1	2	3	1.9	9 40
16	3	2	1	2	3	4	5	3	2	3	3	8	3.2	9 10
17	1	2	2	2	3	4	4	4	3	2	5	6	3.2	10 00
18	9	9	6	3	2	2	2	3	3	3	3	6	4.2	7 05
19	0	3	3	4	4	4	4	5	4	2	3	5	3.4	9 05
20	10	10	10	10	10	10	10	10	10	10	10	8	9.8	**0 00**
21	7	2	0	2	5	7	7	7	5	4	2	3	4.2	8 05
22	1	1	0	0	2	3	3	3	2	2	2	1	1.7	7 25
23	1	1	0	1	3	7	7	7	7	5	4	1	3.7	5 40
24	3	0	9	8	10	8	7	7	6	8	4	2	6	3 40
25	7	5	8	7	7	10	9	10	7	5	5	5	7.1	4 20
26	10	10	10	10	10	10	10	10	10	10	10	10	**10**	0 10
27	7	8	6	9	9	10	10	8	9	7	10	9	8.5	3 05
28	7	8	6	7	8	10	10	8	8	7	6	4	7.4	5 05
29	2	2	3	4	7	5	4	4	3	3	2	2	3.4	10 25
30	4	3	3	4	4	4	2	2	2	1	1	1	2.6	10 20
31	4	3	7	5	8	7	7	7	6	7	4	1	5.5	7 40
Total														222 35
Mean	3.9	**3.8**	**3.8**	4.5	5.4	**5.5**	5.4	**5.5**	4.9	4.5	4.5	4.3	4.7	7 11

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–Mdt.	Mean.
19.5	20	24	20	21	14.5	5.5	6	6.5	**26.5**	26	25	**16.9**
8	8	2	2.5	2	2.5	3	1	1	1	3	4	8.5
13	**15.5**	6	7.5	5.5	9	5.5	0	1.5	2.5	8	6	5.8
15	16.5	**18.5**	13.5	15.5	12	5.5	1	2	3.5	3	1.5	8.4
21	**21**	**21**	18	19	16	12	12	10	10	8	5.5	8.8
13	11	11	7	**14**	9	8.5	9	6.5	6.5	3	.5	6.4
8.5	15	22	**23.5**	**23.5**	16	14	14	9.5	10.5	13	11.5	9.3
17	16	19	**27**	23	20	12	14	9	11	10	8	11.3
18.5	16.5	10	9.5	17	17	11	11	12	10	7	7	9.3
13	10	12	15	15.5	17.5	17	15	10.5	5.5	4.5	2.5	9
12.5	7.5	7.5	13	**26**	13.5	6	4.5	4	1.5	2.5	2.5	7.3
4.5	7.5	14	14	**14.5**	7	1	2.5	3	2	3.5	.5	5
23	**27**	21	23	18	24	14.5	12.5	9	5	12.5	9.5	11
14	**24**	23	23	19.5	17	10	11	9.5	9.5	7	5.5	9.9
17	19	19	**25**	21	21	14	13	10	6	5	5	10.7
12	11.5	13.5	11	14	12	9.5	8.5	12	11	5	5.5	8
13.5	14.5	15	15.5	15	13	13	12	4	3.5	1.5	1	7.8
12	16.5	25	**26**	25	23	12	8	8.5	8.5	7	5.5	9.5
14	12	9.5	10.5	11	12	12	11	10.5	6	3.5	8.5	11.4
11.5	14	16.5	17.5	**21**	15.5	6.5	5.5	4	3	1	4.5	8.9
14	11	**20**	16	14.5	17	10	8.5	10	5	7	3	7.8
16	12	10	12	**18**	17	14	10	9.5	7	9	6	8.7
12	10.5	10	16	**18**	11	11	11	10	**5.5**	6.5	3.5	7.8
15.5	11.5	6.5	11	11	9	6	5	4.5	1.5	1	1	5.2
11.5	10	2	2.5	3	4.5	9	6	4	3	0	1	**4.1**
11.5	7.5	13.5	**14**	12	3	5	4	3.5	2	1	3	5.1
8.5	6.5	15	**18**	11.5	17	3.5	1.5	0	0	0	0	4.9
12	9	13	**18**	17	14	10	4.5	4	1.5	2	0	5.8
19	20.5	20.5	21	18	14	7	4	2	1	3	2	9
15	17	13	15	16	16	11	6	4	5.5	4.5	5.5	9.3
12	11.5	9.5	17	13	14.5	9	6.5	4.5	2.5	5	3	8.4
13.8	13.9	14.3	15.6	**15.9**	13.8	9.3	7.7	6.4	5.7	5.6	4.8	8.4

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW.	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1	7	5	1							2	1	5	2			1		404.5	5.5	
2	6	3					1			1		2		1	1	1	8	203.5	2.2	0.9
3	2	2	2	3		3						1		3			8	138	5.2	
4					2	11	7										4	201	4.8	
5				2	1		8	6									7	211.5	7.2	
6	2	1	1		3	1	10	1				1					4	154.5	7.1	
7					1		8	4				1	1		1		8	223.5	6.8	
8		1	5			5	5					1	2	1	1	1	2	271.5	7.1	
9	1		4		1	1	7			1		4	1	2			2	224	6	
10					4	2	4				1	5	4	1	1		2	216	6	
11	3		3	1	1							4	2	1			9	176	4.7	
12	2		1	2	3	1		1				1	1	1		2	9	119.5	2.1	.6
13	2				1		10	2						2	1		6	264.5	7	
14			3		1	1	13										6	237	7	
15		2	3			2	11	1				1	1	2			1	257	6.7	
16			5		1		11	1					2	2			2	191.5	6.1	
17						1	2	2		2	1	2	2	3			9	186.5	5	
18	1		2							3	5	2	1	3	1	1	5	228	4.6	
19	7		1	1	1		6					1	3			2	2	272.5	4.4	
20		1	4	1	3	4	3										8	212.5	2.8	2.7
21			2				8		1				1	1		1	10	188	5.4	
22		1	2				6	2				1	1	3	1		7	209.5	5.9	
23			3		1	3	5	2				2	1	1			6	188	4.9	
24				1	3	2	2				1	1	3		1		10	125.5	4.6	
25			2		1	3		1				1	1	2	1		12	98.5	3.3	5.8
26	2	3			4	3								2	1		9	122	3.4	
27			1	1	1	4	1			1			1				14	118	3.9	
28	1	1	1	1	3	4	2	1			1						9	138.5	5	
29	1		3	2	7	1											10	215	7.9	
30			2	3	10	2											7	223.5	8	
31	2	3	1		6	5	2						3	1	1			200.5	5.2	
Total	39	23	52	18	59	59	132	24	1	10	10	36	33	32	11	9	196	6,220	165.8	10
Mean	1.3	0.7	1.7	0.6	1.9	1.9	4.3	0.8	0	0.3	0.3	1.2	1.1	1	0.4	0.3	6.3	200.6	5.3	0.3

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°C.		*Per cent.*	*mm.*	*mm.*		°C.		*Per cent.*	*mm.*
1	762.45	9.35a.	29.7	10.35a.	86	20.2	758.95	3.50p.	21	6.45a.	54	15.1
2	62.36	10.00a.	**28.5**	5.10p.	96	19	59	4.30p.	20.6	5.15a.	**66**	15.8
3	61.56	10.00a.	31.1	4.05p.	92	18.2	58.72	4.00p.	18.4	6.25a.	57	15.5
4	62.05	9.10a.	31.3	2.05p.	88	18.2	59.30	3.15p.	21	11.55p.	54	15.4
5	62.30	9.15a.	31.8	2.35p.	92	16.9	58.90	3.45p.	17.7	6.20a.	46	14.6
6	61.90	9.30a.	32.5	3.25p.	**97**	**15.8**	58.10	4.05p.	17.6	6.25a.	39	13.4
7	61.70	9.40a.	32	1.50p.	90	18.6	58.10	3.10p.	18.2	6.15a.	46	14.4
8	61.95	9.10a.	31.5	2.50p.	92	16	57.95	3.55p.	16.3	6.10a.	47	**13.3**
9	61.90	9.15a.	31.2	3.15p.	94	17.2	58.50	3.50p.	**16.2**	6.20a.	50	**13.3**
10	60.60	10.45p.	32.2	1.45p.	96	17.7	57.35	3.15p.	**16.2**	6.25a.	48	13.5
11	61.04	10.00a.	32.1	4.05p.	85	19.7	57.31	4.00p.	20.2	6.10a.	54	16.2
12	61.80	11.15p.	30.1	8.40a.	94	21.2	57.90	3.40a.	21.8	11.55p.	61	17.7
13	62.40	9.45a.	33.7	2.10p.	96	20.1	58.70	3.50p.	20	6.05a.	43	16.2
14	61.64	10.00a.	33.8	3.10p.	95	19.6	57.84	4.00p.	21.1	6.25a.	49.5	16.8
15	60.60	8.35a.	33.6	1.20p.	88	19.5	**56.94**	4.00p.	19.6	6.15a.	45	15.6
16	**60.54**	10.00a.	**34.7**	3.40p.	89	20.6	57.45	3.45p.	19.5	5.45a.	48	14.8
17	60.75	9.45a.	33.3	2.20p.	**97**	**22.3**	57.62	4.00p.	21.4	6.30a.	58	18.6
18	60.70	11.50p.	31.8	2.05p.	91	22.1	57.50	4.10p.	**23.3**	4.00a.	62.5	**19.2**
19	61.63	9.00a.	32.8	4.35p.	89	21	57.82	5.00p.	22.8	6.15a.	53.5	18
20	62.90	9.35a.	28.7	1.20p.	94	19.7	58.90	4.40p.	21.1	11.10p.	63	17
21	62.35	9.15a.	32.5	3.55p.	93	20.1	59	4.00p.	19.9	4.50a.	54	16.7
22	62.59	9.00a.	32.3	3.45p.	94	18.6	59.35	4.00p.	19.6	5.40a.	50	16
23	62.84	9.00a.	32.2	3.50p.	86	19.4	59.06	4.00p.	19.4	5.45a.	57	15
24	62.25	8.45a.	33.4	3.35p.	92	19.7	58.72	4.00p.	21.3	5.40a.	47.5	15.4
25	62.70	10.30p.	32.3	4.10p.	87	21.1	59.40	3.45p.	20.4	5.50a.	57.5	16.5
26	63.27	10.00a.	29.8	10.30a.	88	19.4	60.75	2.40p.	23	5.50a.	58	17
27	**63.80**	8.15a.	32.1	2.05p.	95	20.2	**61.10**	3.30p.	21.4	4.45a.	51	16.5
28	63.05	9.30a.	31.6	10.55a.	93	21.1	60.31	4.00p.	20.8	6.05a.	54	16.5
29	63.05	10.15p.	34.3	0.55p.	85	17.9	60.30	3.45p.	20.3	5.05a.	41	15
30	62.95	0.05a.	33.8	3.10p.	95	17.5	59.50	3.35p.	20.2	3.55a.	**36.5**	**13.3**
31	61.90	0.05a.	32.4	3.55p.	**83**	18.5	57.60	3.45p.	19.4	5.30a.	52	14.6
Mean	762.05	-------	32	-------	91.4	19.3	758.64	-------	20	-------	51.7	15.7

DAILY GENERAL REMARKS.

1____Gusty N winds at night.
2____d° in the morning.
3____Slight coloration of upper clouds at sunset.
4____Light to gentle SEly breeze in the afternoon.
5____Somewhat gusty SSE winds in the afternoon.
6____Somewhat gusty SE winds in the afternoon.
7____As yesterday.
8____Gusty SE winds in the afternoon; coloration of Ci. at sunset.
9____Light breeze in the forenoon and afternoon.
10____Somewhat gusty WSW winds in the afternoon.
11____Light breeze in the afternoon.
12____☌, ◹ SE and SW quadrant in the morning; d in the forenoon and afternoon.
13____Gusty SE winds in the afternoon.
14____As yesterday.
15____Do.
16____As yesterday.
17____◹ NE quad. in the afternoon.
18____Somewhat gusty SWly winds in the afternoon.
19____◹° NE quad., ●° in the afternoon.
20____●, d in the morning.
21____Cloudy weather.
22____Fair weather.
23____Cloudy weather.
24____Do.
25____p in the forenoon and afternoon.
26____●° in the afternoon.
27____d° in the afternoon.
28____d° 12.45 p.
29____Gusty Ely winds in the forenoon and afternoon.
30____Somewhat gusty Ely winds in the morning and afternoon.
31____Cloudy weather.

OBSERVATIONS FOR APRIL, 1911.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	59.60	59.20	58.90	58.85	58.90	59.23	59.88	**60.13**	59.95	59.79	59.64	58.88
2	59.40	59.30	59.05	59.05	59.25	59.42	59.76	**60.21**	60.20	60.04	59.62	59.02
3	59.35	59.10	59.10	59.15	59.40	59.80	60.42	60.70	**60.84**	60.62	60.27	59.62
4	60	59.55	59.10	59.35	59.60	59.98	60.52	**61.09**	61.02	60.91	60.19	59.61
5	59.65	59.35	58.70	58.70	59.05	59.36	59.91	**60.21**	60	59.89	59.63	59.16
6	59.30	59.05	58.90	58.80	59.25	59.59	60.24	**60.69**	60.67	60.43	60.02	59.49
7	59.15	58.90	58.55	58.55	58.65	59	59.77	**60.20**	60.18	59.89	59.54	59.08
8	59.30	59	58.80	58.75	58.95	59.47	59.91	**59.99**	59.96	59.88	59.10	58.35
9	58.40	58	57.60	57.25	57.40	57.82	58.25	58.43	**58.72**	58.68	58.13	57.27
10	57.40	56.90	56.85	56.75	57.10	57.37	57.78	58.45	**58.58**	**58.58**	58.06	57.49
11	57.60	57.05	56.90	56.85	56.90	57.19	57.67	58.19	58.34	58.16	57.82	57.07
12	58.10	57.85	57.45	57.45	57.80	58.24	58.49	59.04	**59.24**	59.10	58.69	58.15
13	58.70	58.40	58.15	58.25	58.45	58.84	59.50	60.33	60.51	**60.53**	60.22	59.56
14	59.15	58.90	58.45	58.25	58.45	58.67	58.99	59.42	**59.68**	59.21	58.80	58.21
15	58.45	58.25	57.75	57.65	57.65	57.81	58.45	58.85	**59.14**	58.94	58.57	58.34
16	58.40	58.30	58.20	58.20	58.40	58.69	59.10	59.63	**59.68**	59.37	58.89	58.38
17	59	58.80	58.65	58.75	58.90	59.09	59.55	**59.78**	59.63	59.26	58.74	58
18	58.65	58.50	58.20	58.05	58.45	58.79	59.29	**59.69**	59.64	59.33	59.16	58.72
19	58.70	58.55	58.45	58.65	58.75	58.97	59.37	59.99	60.43	60.46	60.17	59.69
20	60.35	59.95	59.90	59.80	60.15	60.20	60.83	61.46	61.39	61.19	60.82	60.51
21	61.10	61.05	60.85	60.90	60.95	61.27	61.55	62.07	**62.37**	62.02	61.58	60.98
22	60.30	60.05	59.95	59.85	60.05	60.29	60.48	**60.80**	60.68	60.33	60.02	59.71
23	**57.95**	56.85	56.25	55.85	55.65	55.65	55.94	56.40	56.70	57.87	56.77	55.91
24	56.70	56.55	**56.20**	56.30	56.60	57.19	57.69	58.20	58.59	58.55	58.63	57.86
25	59.15	58.55	58.20	58.20	58.45	58.79	59.22	59.75	59.94	59.68	59.55	59.24
26	59.75	59.75	59.40	59.60	59.50	59.68	60.12	60.69	**60.89**	60.69	60.27	59.75
27	59	58.55	58.40	58.40	58.45	58.59	59.06	59.28	**59.74**	59.55	58.77	58.26
28	58.40	57.75	57.50	57.20	57.45	57.74	58.31	58.51	**58.74**	58.73	58.29	57.87
29	58.55	58.25	58	58.05	58.25	58.57	58.87	**59.29**	59.27	59.25	58.97	58.48
30	58.60	58.30	58.15	58.50	58.50	58.64	58.98	59.48	59.63	59.79	59.64	59.12
Mean	58.94	58.62	58.35	58.33	58.51	58.80	59.26	59.70	**59.81**	59.69	59.29	58.73

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	21.2	19.7	19.2	19	18.6	**18**	22	25.8	28.5	28	29.8	30.6
2	23.6	22.9	21.8	21.7	21.4	**21.1**	24.2	27.4	29.3	29.6	29.8	30.2
3	20.4	19.7	19.5	19.3	19	**18.9**	21.7	26	28.1	27.4	28	30
4	25.1	**23.2**	23.3	**23.2**	**23.2**	**23.2**	24.5	25.7	27.4	28	30	32.2
5	23.4	23.3	22.4	21.9	21.7	**21.4**	24.3	27.7	29.2	30	30.6	30.7
6	21.5	20.9	20.6	20.4	20.4	**20.3**	22.6	26.8	29.1	31.5	31.4	32.4
7	20.9	20.5	19.9	19.4	**19.3**	19.8	23.2	26.2	28.9	29.3	30.2	30.7
8	21.9	21.7	21.1	20.8	20.7	**20.5**	23.2	26.8	27	28.2	29.2	29.4
9	25.3	24.7	24.1	23.6	22.8	**22.5**	26	28.4	29.2	29.8	30.3	29.7
10	24.2	24	23.6	**23.3**	23.8	24	26.1	29.6	30.9	31.8	32.6	33.3
11	25.6	24.7	24.4	23.9	23.8	**23.4**	26.6	29.6	30	30.8	31.7	31.9
12	26.2	25.8	25.6	25.5	25.2	25.6	26.5	28.5	30.6	31.6	33.2	33.6
13	24.5	24.9	24.2	23.2	**22.6**	**22.6**	26.3	29.2	31.8	29.1	29.8	31.3
14	24.8	24.8	24.7	22.9	22.5	**22.1**	25	28.5	30.5	31.3	32.4	31.8
15	23.9	23.7	23.5	23.5	**23.1**	23.4	25.6	27.4	29.4	30.5	30.6	30.8
16	25.4	24.5	23.8	23.5	23.4	**23**	25.4	28.6	29.3	29.4	30.2	31.1
17	25.6	25.8	25.3	24.3	**24.1**	24.2	26.3	28.5	28.7	29.6	30.7	31.1
18	25.2	24.4	23.8	23.6	23.1	**22.9**	24·9	27.5	29.6	30.5	30.7	31.1
19	25.5	25.1	24.4	24	23.9	**23.7**	25.6	27.5	28.8	28.8	30	30.8
20	24.9	24.8	25	24.8	24.9	**24.7**	25.5	26	27.1	29	29.1	28.7
21	24	23.8	23.4	23.1	**23**	**23**	26.1	28.4	31.4	31.4	30	30.3
22	25	25.1	24.7	23.8	**23.7**	23.8	25.8	27.5	28.9	**30.3**	30	28.3
23	25.7	25.4	24.4	24.4	24.9	24.2	24.9	25	23.5	**22.5**	23.9	**25.9**
24	23.4	23.4	**23.1**	**23.1**	**23.1**	23.3	25.4	27.2	28.5	**28.6**	25.7	27.7
25	23.6	23.2	23.1	22.5	**22.3**	**22.3**	25.5	28	28.9	29.5	29.8	30.1
26	24.9	25.5	25.1	**24.4**	**24.4**	24.5	27.2	28.1	27.9	28.1	28.6	28.8
27	25.8	24.9	24.8	24.7	24.5	**24.4**	25.1	26.6	28.7	29	30.2	**30.8**
28	24.8	24.8	24.2	24.7	24.9	25	**23.8**	24.6	27.4	27.5	28.8	28.9
29	26	26.1	25.6	25.1	24.4	**24.1**	26.9	28.1	29.4	28.5	29.4	30.2
30	24.6	25.6	25	24.5	**24.1**	24.2	26.6	28.5	**30.6**	29.5	29.9	30.4
Mean	24.2	23.9	23.5	23.1	22.9	**22.8**	25.1	27.5	29	29.3	29.9	30.4

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
58.06	57.30	56.68	**56.63**	56.78	57.49	58.25	58.80	59.40	59.65	59.60	59.60	58.80
58.30	57.75	**57.63**	57.69	58.11	58.57	59	59.35	59.90	59.95	59.70	59.50	59.16
59.14	58.82	58.38	**58.08**	58.43	58.63	58.90	59.30	59.90	59.90	60	59.85	59.49
58.74	58.35	58.16	**57.97**	58.31	58.89	59.35	59.95	60.20	60.35	60.25	60.05	59.65
58.58	58.12	**57.78**	57.81	58.30	58.78	59.05	59.45	59.85	60.05	59.95	59.70	59.21
59.06	58.48	**58.23**	58.33	58.67	59.08	59.35	59.45	59.75	60	59.75	59.45	59.42
58.39	57.46	**57.35**	57.60	58.01	58.43	58.90	59.20	59.60	59.80	59.80	59.60	58.98
57.37	56.53	56.22	**56.15**	56.57	57.31	57.80	58.15	58.70	58.90	58.85	58.65	58.44
56.46	55.86	**55.35**	55.87	56.17	56.55	56.95	57.35	57.75	58.20	58.15	57.85	57.44
56.55	55.68	55.45	55.43	**55.35**	56.05	56.25	57.60	57.80	58.20	58.25	58	57.16
56.19	55.69	55.15	**55.13**	55.47	55.93	56.60	57.25	57.90	58.40	**58.55**	58.25	57.09
57.11	56.38	55.89	**55.84**	56.24	56.83	57.55	58.15	58.60	58.95	59	58.85	57.87
58.59	57.70	57.11	**56.65**	56.66	57.04	57.75	58.35	59	59.55	59.65	59.50	58.71
57.62	56.75	56.32	**55.99**	56.06	56.72	57.20	57.75	58.20	58.70	59.15	58.70	58.14
57.42	56.41	56.15	**56.08**	56.33	56.72	57.45	58.15	58.40	58.80	58.85	58.55	57.88
57.39	56.59	56.29	56.13	**56.11**	56.52	57.20	57.70	58.35	59	59.15	59	58.11
57.16	56.66	56.23	**56.18**	56.56	57.24	57.80	58.50	59.10	59.35	59.35	59	58.39
58	57.30	56.96	56.94	**56.90**	57.38	58	58.65	59.10	59.35	59.15	58.95	58.46
59.02	58.20	57.91	**57.90**	58.12	58.82	59.35	59.65	60.30	60.85	**61.35**	60.80	59.35
59.71	59.22	58.87	**58.70**	59.15	59.55	60.10	60.70	60.85	61.35	**61.50**	61.10	60.31
60.10	59.51	**59.36**	59.44	59.74	60.22	60.55	60.65	61.10	61.35	61.10	60.65	**60.85**
58.68	58.53	58.13	**57.87**	58.11	58.63	58.85	59.35	59.20	59.50	59.25	58.85	59.48
54.81	54.04	53.64	53.17	**52.99**	53.43	54.45	55.90	56.45	57.05	57	56.95	**55.74**
57.22	56.89	56.63	56.82	57.19	57.76	58.35	58.95	59.45	**59.90**	59.80	59.35	57.81
58.71	58.13	57.82	**57.46**	57.84	58.46	59.50	59.95	60.50	**60.80**	60.70	60.15	59.11
58.74	**57.82**	58.04	58.09	57.93	58.44	58.85	59.15	59.30	59.70	59.65	59.40	59.38
57.27	57.01	**56.67**	56.81	56.77	57.54	57.85	58.05	58.60	59.05	58.95	58.55	58.30
57.43	56.94	56.66	**56.36**	56.53	57.02	57.85	58.15	58.50	58.70	58.55	58.55	57.82
57.58	57.16	57.01	**56.86**	57.18	57.33	57.85	58.25	58.60	58.90	58.90	58.90	58.26
58.37	58.20	58.28	**58.10**	58.16	58.40	58.75	59.20	59.45	**59.95**	59.80	59.60	58.90
57.93	57.32	57.01	**56.94**	57.16	57.66	58.19	58.70	59.13	59.47	59.46	59.20	58.59

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
32.1	**33.3**	**33.3**	32	30.9	28.6	26.9	25.7	25.6	25	24.4	23.8	25.9
31.6	**32.7**	31.9	32.5	31.3	28	25.8	24.2	23.2	22.4	21.7	21.6	26.2
29.3	29.8	**31.1**	30.4	29.4	27.9	27	26.8	26.2	25.8	25.4	25.4	25.5
32.5	31.2	30.1	29.9	29.5	27.8	26.8	25.9	25.2	24.8	24.3	23.9	26 7
31.1	30.8	30.3	30.2	29.4	27.9	26.8	25.5	25.1	24.2	22.8	22.1	26.4
33.2	32.9	32.3	30.8	29.4	26.8	25.6	24.8	24.1	23.5	23	21.9	26.1
30.7	30.6	**31.5**	31.2	30.1	28	26.7	25.8	25.2	24.6	23.7	22.3	25.8
31.3	**33.5**	32.2	32.8	31.2	28.3	27.3	26.6	26.7	26.3	25.9	25.6	26.6
31.3	30.7	**32.2**	27.3	27.6	26.8	26.5	26.4	26.2	26.4	25.6	24.8	27
33.7	34.2	**34.3**	33.5	31.6	30.2	28.9	27.9	27.2	26.8	26.5	26	28.7
32.5	32.6	**32.7**	32.4	31.6	29.2	28.4	28	27.7	27.6	27.3	27	28.5
34.1	**34.3**	34.1	32.7	32.3	30.3	28.6	27.9	27	26.1	25.2	**24.9**	**29**
32.2	**33**	**33**	32.5	31.4	29.3	27.8	27.2	26.6	26.4	25.3	24.6	27.9
32.3	33.2	33.2	**33.4**	32.4	28.6	28	27.7	27.6	27.1	24.7	24.3	28.1
31.5	32	**32.2**	31	29.6	28	27.5	27.2	26.5	26.5	26.5	26.3	27.5
32.6	**33.2**	32	31.3	30.4	28.5	28	27.3	27.1	26.3	26.1	26.2	27.8
32.8	**34.2**	34	31.6	30.4	28.9	28.5	28.2	27.7	27.8	26.9	25.9	28.4
31.4	32.2	**32.3**	31.5	30	28.7	27.9	27.7	27.2	27.2	26.8	26.6	27.8
30.9	**31.9**	31.7	31	30.2	29	28.6	28.2	27.8	27.4	24.3	25.2	27.7
29	30.7	**31**	30.4	29.9	28.4	27	26.3	25.9	26	25.6	24.8	27.1
31.7	**32**	31.3	31.5	30.7	29.1	27.8	27.1	26.4	26.2	25.9	25.3	27.6
29.4	29.3	28.3	28.6	28.3	27.5	26.5	25.9	25.1	25.2	25.5	25.4	26.7
24.7	24.2	24.2	23.8	23.9	24.3	23.9	23.8	23.4	23.4	23.6	23.6	**24.2**
28.1	27.5	28.5	28.1	26.6	25.9	25.2	25.4	25.3	25.2	24.6	23.7	25.7
29.6	28.6	29.1	**30.4**	29.8	28	27.5	27.3	27.2	26.7	25.6	25.2	26.8
29.4	**29.5**	29.2	27.9	28.5	27	26.5	26.5	26.6	26.7	26.5	26.1	27
29.5	**30.8**	27.1	26.3	26.4	26.4	25.7	25.7	25.1	24.5	24.7	25	26.5
28	29.7	**30.1**	**30.1**	29.3	27.8	27.5	27.3	27	27	25.8	25.2	26.8
31.4	**31.6**	29.7	28.8	28.4	27.7	27.3	27.2	26.9	26.2	25.4	24.9	27.5
30.3	29.2	29.2	29.2	27.9	27.3	26.8	26.4	26.1	25.5	25.1	24.8	27.1
30.9	**31.3**	31.1	30.4	29.6	28	27.1	26.6	26.2	25.8	25.2	24.7	27

RELATIVE HUMIDITY (%).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	82	89	91	92	91	**95**	82	69	59	59	59	54
2	72	76	80	**81**	**81**	80	74	65	55.5	55	55	54
3	85	88	88	88	**89**	**89**	81	63	63	66	68	62
4	79	91	94	**95**	**95**	**95**	91.5	83	73	69.5	59	**53**
5	84	84	89	91	92	**93**	85	68	56	**49.5**	54	53
6	80	82	82	83	86	**87**	84	69	60	51	46	42
7	83	85	87	89	**90**	87	78	62	55	54	52	51
8	87	86	88	89	89	**90**	82	69	70	67	60	59
9	77	79	83	85	**91**	**91**	81	72	68	66	66	65
10	87	90	90.5	**92**	89	88	81	64	62	57	52	53
11	84	89	88	91	92	**93**	83	67	66	65	62	62.5
12	89	88	88	89	**91**	88	88	82	70	57	53	**50**
13	82	81	82	88	**89**	88	76	63	56	65	64	58.5
14	77	79	80	87	87	**88**	81	65	56.5	51.5	50	51
15	90	87	89	87	**92**	89	82	76	68	64	67	64
16	87	90	91	**92**	91	**92**	84	74	71	72	70	65
17	83	86	85	89	88	87	82	72	64	70.5	64	60
18	92.5	91	95	94	**96**	95	88	77	70	65	63	59.5
19	80.5	81	86	87	86	88	84	77	71	73	66	63.5
20	94	**95**	94	94	93	93	92	88	83	74	75	77
21	86	85.5	88	**90**	**90**	**90**	82	68	61.5	61	69	65
22	78	78	79	84	83	83	**79**	73	64	61	**59**	68
23	**78**	80	83	84	82	85	85	83	90	96.5	95	88.5
24	98	98	**99**	**99**	98	98	90	78	77	**74**	86	83
25	88	89	89	**91**	**91**	**91**	85	75	71	**70**	**70**	71
26	91	89	83	91	91	**91.5**	86	77	77	80	78	78
27	89	93	93	93	**94**	**94**	92	86	78	74	**69**	71
28	91	92	**96**	92	91	90	91	92	81	78	74	75
29	86	86	88	88	90	**91**	86	79	77	80	75	71
30	90	88	91	**91.5**	91	91	88	83	74	76	74	74
Mean	85	86.5	88	89.6	**90**	**90**	84.1	74	68.2	66.7	65.1	63.4

VAPOR PRESSURE (mm).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	15.3	15.1	15.1	15.1	**14.5**	14.6	16.2	17	17.1	16.5	**18.4**	17.5
2	15.5	15.8	15.5	15.7	15.4	14.9	16.7	**17.6**	16.8	17	17.1	17.2
3	15.2	15	14.8	14.7	14.6	**14.5**	15.7	15.8	17.9	18	18.9	**19.4**
4	18.6	19.3	20	20	20	20	**20.9**	20.4	19.9	19.5	18.6	19.1
5	17.9	17.8	18	17.8	17.7	17.6	**19.1**	18.7	16.9	15.6	17.7	17.3
6	15.3	15	14.9	**14.8**	15.3	15.4	17.2	**18**	**18**	17.6	15.7	15.1
7	15.2	15.3	15	15	15	**14.9**	16.5	15.7	16.3	16.4	16.5	16.7
8	16.9	16.5	16.4	16.2	**16.1**	**16.1**	17.3	18	18.6	19	18.2	17.9
9	**18.4**	**18.4**	18.5	18.5	18.8	**18.4**	20.2	20.7	20.5	20.6	21.2	20.2
10	19.6	19.9	19.6	19.6	19.4	19.5	20.3	19.7	20.5	19.9	**19**	20.2
11	20.4	20.6	20	20.1	20.2	**19.9**	21.4	20.7	20.9	21.6	21.5	21.9
12	22.4	21.9	21.6	21.7	21.6	21.6	22.6	**23.6**	23	19.9	19.9	19.2
13	18.6	19	18.3	18.6	18	**17.9**	19.2	19	19.7	19.4	19.9	19.8
14	17.9	18.3	18.5	18	17.6	**17.3**	19.1	18.8	18.3	17.5	18.2	17.9
15	19.8	19	19.1	**18.7**	19.2	19	20	20.6	20.6	20.7	21.7	21.2
16	20.9	20.5	20	19.8	19.5	19.2	20.2	21.5	21.5	21.8	**22.4**	21.8
17	20.2	21.2	20.4	20.1	19.6	19.6	20.9	20.8	18.7	21.7	21	20.2
18	**22**	20.8	20.8	20.3	20.1	19.6	20.6	21	21.5	21.1	20.8	19.9
19	19.5	19.2	19.4	19.3	18.9	19.1	20.6	21	21	21.4	20.9	20.9
20	22	22.1	22.1	21.9	21.8	21.5	22.2	21.9	22.3	22	22.4	22.5
21	19	18.7	18.8	18.8	18.8	18.7	20.5	19.6	21	20.8	**21.8**	20.8
22	18.3	18.5	18.4	18.4	**18.1**	18.2	19.5	20	18.9	19.6	18.6	19.5
23	19	19.2	**18.9**	19.1	19.1	19	19.9	19.4	19.3	19.5	20.9	**22**
24	21	21	20.8	20.8	20.6	20.9	21.7	21	22.2	21.5	21.1	**22.9**
25	19	18.7	18.6	18.4	**18.2**	**18.2**	20.7	21.1	21.1	21.6	21.8	22.6
26	21.2	21.7	**19.6**	20.6	20.6	20.9	23	21.8	21.4	22.6	22.6	23
27	22	21.8	21.7	21.5	21.5	21.3	21.9	22.2	22.7	21.9	22	23.4
28	21.1	21.3	21.5	21.4	21.2	21.2	**20**	21.2	21.8	21.2	21.8	22.1
29	21.5	21.7	21.6	20.7	20.4	**20.2**	22.8	22.2	**23.5**	23	22.9	22.5
30	20.7	21.4	21.3	20.9	**20.4**	20.5	22.7	**24**	**24**	23.2	23.2	23.7
Mean	19.1	19.2	19	18.9	**18.7**	**18.7**	20	20.1	20.2	20.1	20.2	**20.3**

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
47	45	**42**	46	46.5	54	58	63	63	64.5	68	70	66.2
49	43	46.5	43	**37**	47.5	57	66	71	73	77	80	**63.3**
62	60	**54**	56	56	63	67.5	69	73	75	78	77	71.7
54	54	57.5	59	59	64	67	72	75	76	79	81	74
53.5	53	55	53	55	57	58	63	65.5	71	78	78	68.3
40	**40**	44	46	54	58	61	64	67.5	72	75	79	64.7
51	51	**49**	49.5	55	61	67	69	76.5	79	80	86	68.6
58	49	**48**	**48**	52	61	65.5	70	69	71	73	75	69.8
63	67	64	76	79	81	81	83	84	79	84	87	77.2
50	**49**	**49**	51	56	63	69	74	77	79	80	83	70.2
61	63	62	**60**	63	75	79	80	81.5	81	84	85	75.7
50	**50**	51	54	54	62.5	68	71	74	78	81	80	71.1
57	**49**	**49**	51.5	53	59	66	69	71	71	76	79	68.5
49	**49**	52	52	62	77	83	83	84	84	**88**	87	71
61	**55**	58	62	72	74	75	77	79.5	82	80	85	75.6
57	**49**	58	62	67	70.5	74	75	75	81	82	81	75.4
53	**40**	50	63	68	74	72	74	78	74	86	**90**	73
56	**47**	51	60	60	65	72	72	75	74	75	76	73.7
62	**52**	56	60	65	69	76	78	79	84	**95**	92.5	75.5
75	70	69	69	**63.5**	68	75	77	78	78	78	81	80.6
59	57	**41.5**	52	53	58	64	68	70	71	74	74	69.9
68	68	75	76	77	80	86	**88**	85	83	81	82	76.6
94	96	94	95	95	93	97	97	97	**98**	97	97	**90.8**
81	80	77	**74**	77	78	82	79	83	83	86	88	85.2
73	75	75	73	76	80	82	84	86	86	88	90	81.2
74.5	**74**	78	82	76	82	85	87	86	84	87	88	83.2
74	72	87	85.5	82	82	85	86	89	91.5	92	91	85.1
78	**71**	72	72	76	79	80	81	83	81	86	87	82.9
65	**64**	72	74	77	80	82	82	83	88	88	90	80.9
71.5	72	72	72	77	80	83	85	85	87	88	89	82.2
61.6	**58.8**	60.3	62.6	64.8	69.8	73.9	76.2	78.1	79.3	82.1	83.6	75.1

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
16.8	17.2	16.1	16.1	15.4	15.6	15.2	15.4	15.3	15.2	15.5	15.4	15.9
16.9	15.8	16.3	15.8	**12.7**	13.3	14.2	14.8	15.1	14.8	14.9	15.4	**15.6**
18.9	18.8	18.2	18.2	17.1	17.5	17.8	18	18.3	18.6	18.8	18.7	17.2
19.5	18.3	18.2	18.5	18	17.7	**17.6**	18	17.9	17.7	17.9	17.9	18.9
18	17.4	17.5	17	16.7	15.8	**15.3**	15.4	15.5	16	16	15.4	17
15.1	**14.8**	15.9	15.1	16.6	15.1	15	15	15	15.4	15.7	15.4	15.7
16.9	16.7	16.9	16.7	17.4	17.2	17.3	17	**18.2**	18.1	17.4	17.2	16.5
19.7	18.9	17.3	17.7	17.7	17.4	17.7	18.1	17.9	18.1	18.1	18.2	17.7
21.3	21.8	**22.8**	20.5	21.7	21.2	20.8	21.3	21.2	20.1	20.4	20.3	20.3
19.5	19.5	19.6	19.7	19.5	20.1	20.5	20.6	20.6	20.6	20.6	**20.7**	19.9
22.2	**23**	**23**	21.9	21.9	22.6	22.7	22.5	22.4	22.3	22.5	22.5	21.6
20	20	20.1	20	19.4	20	19.7	19.9	19.6	19.5	19.3	**18.8**	20.6
20.3	18.4	18.4	18.7	18.2	17.9	18.3	18.5	18.3	18.2	18.2	18.2	18.7
17.8	18.6	19.7	20	22.5	22.3	**23.3**	22.9	22.9	22.4	20.4	19.7	19.6
20.9	19.4	20.7	20.8	**22.3**	20.9	20.4	20.6	20.4	21	20.6	21.6	20.4
20.9	**18.5**	20.6	21	21.6	20.4	20.7	20.2	20.1	20.5	20.5	20.4	20.6
19.5	**16**	19.6	21.7	21.8	21.9	20.8	20.9	21.5	20.6	**22.8**	22.4	20.1
19.2	**16.7**	18.2	20.5	18.9	19.1	20.2	19.9	20	19.8	19.7	19.6	20
20.5	**18.3**	19.6	20	20.7	20.4	22.1	22.1	22	**22.6**	21.4	22	20.5
22.3	**22.9**	**22.9**	22.3	19.9	19.6	19.7	19.6	19.5	19.4	18.9	**18.8**	21.3
20.4	20	**14.1**	17.7	17.3	17.3	17.7	18	17.8	18	18.4	17.6	18.8
20.8	20.5	21.5	22.1	21.9	21.8	**22.2**	21.8	20.1	19.9	19.7	19.8	19.9
21.8	21.5	21.1	20.8	20.9	21	21.3	21.2	20.8	21	21.1	21.1	20.4
22.9	21.8	22.2	20.8	19.8	19.3	19.5	**19**	19.8	19.9	19.7	19.1	20.8
22.5	21.9	22.4	23.5	**23.6**	22.5	22.4	22.5	23	22.5	21.6	21.4	21.2
22.6	22.6	**23.4**	22.7	22	21.7	21.8	22.4	22.2	21.9	22.4	22.1	**22**
22.6	**23.9**	23.1	21.7	21.1	**20.9**	**20.9**	21.1	21.1	**20.9**	21.4	21.3	21.8
21.9	22	**22.9**	**22.9**	**22.9**	21.8	21.8	21.9	21.9	21.5	21.2	20.7	21.6
22.2	22.1	22.3	21.8	22	22	22.1	21	22	22.2	21.3	21	21.9
22.9	21.8	21.8	21.8	21.5	21.5	21.6	21.7	21.3	21	20.9	20.7	21.9
20.2	19.6	19.9	19.9	19.8	19.5	19.7	19.7	19.7	19.7	19.6	19.4	19.6

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1							Ci.		Ci.		Ci.-S.	
2	Ci.		Ci.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
3	Ci.		Ci.		Ci.		Ci.					
4									Ci.		Ci.-S.	
5	Ci.											
6												
7	Ci.		Ci.									
8												
9							A.-Cu.					
10												
11	Ci.		Ci.		Ci.		Ci.					
12												
13												
14	Ci.		Ci.		Ci.		Ci.		Ci.			
15												
16	Ci.-S.											
17	Ci.-Cu.		A.-Cu.		Ci.							
18	Ci.		Ci.									
19	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
20												
21	Ci.-S.		Ci.-S.									
22	A.-Cu.		Ci.-S.		A.-Cu.		Ci.-S.					
23												
24			Ci.-S.		Ci.-Cu.		Ci.					
25	Ci.		Ci.	N	Ci.	N	Ci.				Ci.	
26	Ci.				Ci.		Ci.		Ci.-Cu.		Ci.-S.	
27	A.-Cu.	SWbyS	Ci.-Cu.		A.-Cu.	SW	Ci.-Cu.		A.-Cu.	SW	Ci.-S.	
28			Ci.-S.	NW	Ci.-S.	NW	A.-Cu.		A.-Cu.		A.-Cu.	
29	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.-S.	
30	A.-Cu.		A.-Cu.		A.-Cu.		Ci.		A.-Cu.		Ci.	

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E
2	Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	
3	Cu.	E	S.-Cu.	E	Cu.	E	Cu.-N.	ENE	N.-cf.	ENE	N.-cf.	
4	S.-Cu.	EbyN	S.-Cu.	EbyN	S.-Cu.	E	S.-Cu.	E	Cu.	E	Cu.	E
5	Cu.	EbyN	S.-Cu.	EbyN	Cu.	EbyN	Cu.	ENE	Cu.	EbyN	Cu.	E
6	S.-Cu.		S.-Cu.		Cu.		Cu.	E	Cu.	E	Cu.	
7	Cu.		Cu.		Cu.	E	S.-Cu.	E	Cu.		Cu.	
8	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	S.-Cu.	E
9	S.-Cu.	E	Cu.		Cu.	E	Cu.	E	Cu.	SE	Cu.	SE
10	S.-Cu.		Cu.		Cu.		Cu.	ESE	Cu.	ESE	Cu.	
11			Cu.		Cu.	SEbyE	Cu.	SEbyE	Cu.		Cu.	
12	S.-Cu.	ESE	Cu.	ESE	Cu.	ESE	Cu.	ESE	Cu.		Cu.	
13	Cu.		Cu.		Cu.	E	Cu.	ESE	Cu.	E	Cu.	
14	Cu.		Cu.		Cu.		Cu.		Cu.	ENE	Cu.	ENE
15	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
16	Cu.	SE	Cu.		Cu.-N.	SE	Cu.-N.		Cu.		Cu.-N.	
17	Cu.		Cu.		Cu.	E	Cu.	E	N.-cf.	E	N.-cf.	
18			Cu.		Cu.	EbyS	N.-cf.	EbyS	Cu.	EbyS	Cu.-N.	
19					Cu.-N.		Cu.-N.		Cu.-N.	ENE	Cu.-N.	ENE
20	Fr.-N.	ENE	Fr.-N.	E	Fr.-N.	E	Fr.-N.	E	N.-cf.	E	Cu.-N.	
21	Cu.		Cu.		Cu.		N.-cf.	NE	N.-cf.	NE	Cu.-N.	
22	Cu.		Cu.		Cu.	NE	Cu.	NE	N.-cf.	NE	Cu.-N.	
23	Cu.-N.	NNE	Fr.-N.	NNE	N.		N.	ENE	Cu.-N.	ENE	Cu.-N.	ENE
24	Cu.		Cu.	SSE	S.-Cu.	SSE	N.-cf.	SSE	N.		Cu.-N.	SW
25	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
26	Cu.	SW	Cu.-N.	SW	Cu.	SW	Cu.	SWbyS	Cu.-N.	SWbyS	Cu.-N.	
27	Cu.		S.-Cu.		N.-cf.		Cu.		Cu.		Cu.-N.	
28	N.	W	Cu.-N.	W	Cu.	W	Cu.	W	Cu.	W	Cu.	W
29	Cu.		Cu.		Cu.	NE	Cu.	NE	Cu.	NE	Cu.	
30	Cu.		Cu.	SSE	Cu.	SSE	Cu.		Cu.		Cu.	

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
A.-Cu.		Ci.		Ci.		Ci.		Ci.		Ci.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.				Ci.	
A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.		Ci.	
A.-Cu.	NE	A.-Cu.	NE	Ci.-S.		A.-Cu.	NE	A.-Cu.	NE	A.-Cu.	NE
								Ci.-S.		Ci.	
Ci.		Ci.		Ci.		Ci.				Ci.	
						A.-Cu.				A.-Cu.	
								A.-Cu.	ESE	A.-Cu.	
Ci.-Cu.		Ci.-Cu.		Ci.-Cu.		A.-Cu.		A.-Cu.		Ci.-S.	
Ci.-S.		Ci.-S.				Ci.-S.	NNW	Ci.-S.		Ci.-S.	
								Ci.-S.		Ci.-S.	
		A.-Cu.		Ci.						Ci.	
		Ci.		Ci.		Ci.		Ci.		Ci.	
				Ci.-Cu.		Ci.-Cu.		Ci.-S.	W	Ci.	W
						Ci.-S.		Ci.-S.		Ci.-S.	
Ci.				Ci.		Ci.		Ci.		Ci.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	E	Ci.-S.		A.-Cu.	
A.-Cu.		Ci.-S.		Ci.-S.	S	Ci.-S.		Ci.-S.	S	Ci.-S.	
A.-Cu.		A.-Cu.		Ci.-Cu.		Ci.-S.		A.-Cu.		Ci.-S.	
				A.-Cu.				Ci.-S.		Ci.-S.	
		A.-Cu.	SW	Ci.-S.		A.-Cu.	SW	A.-Cu.			
Ci.-Cu.		Ci.-S.		A.-Cu.		Ci.-S.	NEbyN	A.-Cu.	SW	Ci.-S.	
Ci.-S.		Ci.-S.		A.-Cu.	SWbyW	A.-Cu.	SWbyW	A.-Cu.	SWbyW	A.-Cu.	
A.-Cu.	SW	A.-Cu.		A.-Cu.	SW						
A.-Cu.	NWbyN	Ci.-Cu.	NWbyN	A.-Cu.		Ci.		Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		A.-S.		A.-Cu.	
Ci.-S.		Ci.-S.				A.-S.		A.-S.			

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Cu.	E	Cu.	E	Cu.	ENE	Cu.	ENE	Cu.		S.-Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
S.-Cu.	ENE	S.-Cu.		S.-Cu.	ENE	S.-Cu.		S.-Cu.		S.-Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.		S.-Cu.		S.-Cu.	
Cu.	E	Cu.	E	Cu.	E	N.-cf.	EbyN	N.-cf.	EbyN	Cu.	
Cu.	E	Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.		S.-Cu.	
Cu.	E	Cu.	ENE	Cu.	ENE	Cu.	ENE	S.-Cu.		S.-Cu.	
Cu.	ESE	Cu.-N.	ESE	Cu.-N.	ESE	Cu.-N.	ESE	Cu.-N.	ESE	Cu.	
Cu.	ESE	Cu.		Cu.	ESE	Cu.-N.		Cu.-N.		Cu.-N.	
Cu.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.	S	Cu.	
Cu.		Cu.		Cu.		Cu.-N.		Cu.-N.		Cu.-N.	
Cu.	E	Cu.		Cu.	E	Cu.		Cu.		Cu.-N.	
Cu.		Cu.	ENE	Cu.	ENE	Cu.		Cu.	E	Cu.	
Cu.		Cu.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.	
Cu.		Cu.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.	
Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.	
Cu.-N.		Cu.-N.		Cu.-N.		Cu.		Cu.		S.	
Cu.		Cu.		Cu.		Cu.		Cu.		S.-Cu.	
Cu.-N.	E	Cu.	E	Cu.-N.		Cu.-N.	E	S.-Cu.	E	S.-Cu.	
N.-cf.	NE	N.-cf.	ENE	N.-cf.	ENE	N.-cf.	ENE	S.-Cu.	ENE	S.-Cu.	
Cu.-N.		Cu.-N.	ENE	Cu.-N.	ENE	Cu.-N.	ENE	Cu.		Cu.	
Cu.-N.	ENE	N.	N	N.	N	N.	N	Fr.-N.	N	N.	
Cu.-N.	SW	Cu.	SW	Cu.	SW	Cu.-N.	SW	Cu.	SW	Cu.-N.	
Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.	SSW	Cu.-N.	SSW	Cu.-N.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.-N.	SSW	Cu.		Cu.-N.	SWbyS	Fr.-N.		Fr.-N.		Fr.-S.	
Cu.-N.		Cu.-N.		Cu.		Cu.-N.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.-N.	
Cu.		Cu.-N.	NE	Cu.-N.	NE	N.-cf.		N.-cf.		N.-cf.	

WIND—DIRECTION AND FORCE IN M. P.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	Calm		Calm		Calm		Calm		N	0.5	Calm	
2	ESE	0.5	Calm		Calm		NNE	0.5	Calm		Calm	
3	Calm		Calm		Calm		Calm		Calm		Calm	
4	E	1.5	SE	0.5	Calm		NE	1	N	1	Calm	
5	Calm		Calm		Calm		Calm		NE	.5	Calm	
6	Calm		Calm		Calm		Calm		Calm		Calm	
7	Calm		Calm		Calm		ESE	1.5	ENE	1	ENE	0.5
8	Calm		Calm		Calm		Calm		Calm		Calm	
9	Calm		Calm		Caim		Calm		Calm		Calm	
10	Calm		Calm		Calm		Calm		Calm		Calm	
11	Calm		NE	.5	N	2	N	1.5	N	1.5	Calm	
12	NE	.5	Calm		Calm		Calm		Calm		Calm	
13	Calm		Calm		Calm		NEbyN	1	NEbyN	.5	Calm	
14	Calm		Calm		Calm		Calm		ENE	1	Calm	
15	Calm		NNE	1.5	NNE	1	NNE	1.5	NNE	1.5	NNE	.5
16	Calm		Calm		Calm		Calm		Calm		Calm	
17	SE	.5	S	1	Calm		Calm		NE	.5	Calm	
18	Calm		N	1	NNE	.5	Calm		Calm		Calm	
19	Calm		SE	1	SE	.5	ENE	.5	E	.5	Calm	
20	Calm		Calm		Calm		Calm		Calm		Calm	
21	Calm		Calm		N	.5	N	.5	N	.5	Calm	
22	NE	2	NE	2.5	NE	2.5	NE	1.5	NE	1.5	NE	2
23	NbyW	4.5	N	1.5	NbyW	3	N	2	NNW	3.5	NNW	4.5
24	SSE	3	SSE	2.5	SSE	1.5	SSE	1	SSE	1.5	SSE	1.5
25	SE	.5	Calm		NE	.5	Calm		Calm		Calm	
26	SSW	1	SW	2	Calm		E	.5	NNE	1	Calm	
27	W	3	Calm		Calm		Calm		ENE	.5	NNE	1.5
28	SSW	4.5	SSW	4.5	SSW	4.5	SW	4	SW	3.5	SSW	4
29	SW	.5	SW	1.5	NE	2	Calm		NE	.5	Calm	
30	Calm		SW	2	SSE	1.5	NNW	1	Calm		Calm	
Mean		0.7		0.7		0.7		0.6		0.7		0.5

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	SE	9	ESE	4	SEbyS	10	SE	5	ESE	1.5	ESE	3
2	NW	5	SW	2.5	Calm		Calm		ENE	3.5	Calm	
3	SWbyW	1	S	.5	NE	4	NE	2.5	NNE	4.5	NNE	3.5
4	ENE	6	ESE	5	ESE	3	ESE	3	ESE	4	ESE	1.5
5	WSW	5.5	W	6	Calm		ENE	3.5	NE	3	ENE	2
6	E	2.5	E	3	ENE	4.5	E	2	E	4	E	4
7	WNW	3	ESE	4	SE	3	ESE	3	E	3.5	E	1
8	NNE	2	ESE	2	SEbyE	6	SEbyE	5	E	4	ESE	3
9	WNW	1.5	W	2.5	SE	9	NE	8	Calm		Calm	
10	SE	8	SE	5	SEbyS	7	SSE	2.5	SEbyE	3	SEbyS	2
11	W	2.5	W	3	SW	3	WSW	4	WSW	5	SW	2
12	SE	3.5	SEbyS	6.5	SE	2	SSE	3.5	SE	4.5	SE	6
13	WNW	2	SE	7.5	SEbyE	6.5	SE	11	SEbyE	7	SE	5.5
14	NW	4	NW	6	WNW	2.5	SW	1.5	SSW	1.5	SW	4
15	WSW	4	WSW	2	WSW	8	SWbyW	7.5	SWbyW	5	SW	6.5
16	WbyS	5	W	3.5	WbyS	5.5	WSW	3.5	SW	3	SW	2.5
17	SW	2.5	SE	1	W	2.5	SWbyW	6	SW	5	SW	3.5
18	W	2.5	W	2	W	3	SW	2.5	SSW	3	SW	5
19	W	3.5	WNW	3.5	WSW	3.5	W	5	SW	4	WSW	3.5
20	W	2	W	1.5	W	1	Calm		E	2.5	EbyS	2
21	WSW	3	ENE	1	ESE	1	NE	3.5	NE	3	ENE	.5
22	SW	1	NNE	2.5	Calm		Calm		Calm		Calm	
23	NNW	8	NNW	9	NNW	8	NNW	11	NNW	11	NE	17
24	W	4.5	W	8.5	W	6	WSW	5.5	W	3.5	W	1.5
25	WSW	1	WSW	2	WSW	3.5	WSW	7.5	WSW	9.5	WSW	9
26	WSW	8.5	WSW	9	WSW	9	WSW	10	WSW	7	WSW	6
27	W	5.5	WSW	3.5	SW	4.5	SW	10	SW	5.5	SW	4
28	SW	2	WSW	6	SSW	2.5	SWbyW	7	SWbyW	4.5	SW	6
29	WNW	3	W	4.5	WSW	6.5	WSW	6.5	SSW	5	WSW	3.5
30	WNW	.5	WSW	1	ENE	4	S	1.5	SE	2	SE	1
Mean		3.7		3.9		4.3		4.7		4.1		3.6

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
Calm		NNW	1.5	Calm		WNW	5	W	1.5	Calm	
NNE	0.5	Calm		Calm		WNW	1.5	SW	2	WSW	6
Calm		NNE	.5	NW	1	W	4	SSW	1.5	SSW	1
Calm		Calm		NE	1.5	E	3	ESE	2	ESE	5
Calm		Calm		NE	1.5	Calm		NW	1.5	W	5.5
Calm		Calm		NNW	2	Calm		Calm		SE	5
NNE	.5	NE	1	NW	3	WNW	4	WbyN	5	WNW	3
Calm		Calm		WSW	3	W	1.5	NW	3	W	1.5
Calm		SW	1.5	WNW	1.5	WNW	3	SW	1.5	W	1.5
Calm		SE	1.5	SE	2.5	ESE	2.5	SE	7	SE	4
Calm		Calm		WSW	1.5	NW	1.5	NW	2.5	WNW	3.5
Calm		S	1.5	Calm		SE	4	SE	5	SSE	4.5
ENE	1	ENE	.5	ESE	2	NW	2.5	WNW	2	WNW	1
Calm		SE	1.5	ESE	1	SE	1	S	3.5	NW	7
NNE	1	NNE	2.5	NNE	1	NE	1	W	3	W	5
Calm		Calm		WSW	1.5	W	3	W	1	W	3
Calm		Calm		WSW	1.5	W	2	W	3	WSW	3
Calm		Calm		Calm		WNW	2	W	4	WSW	3.5
Calm		Calm		Calm		SW	2	WSW	2.5	WSW	1.5
Calm		Calm		Calm		Calm		WNW	2	WbyN	2
Calm		Calm		Calm		WNW	3	WNW	2.5	NW	2
Calm		NE	1.5	Calm		Calm		NNE	6	NNE	8
NbyW	5.5	NbyW	4.5	NNW	5	ESE	2.5	NNW	3.5	NW	8.5
SSE	2.5	SSE	3	SSE	3	S	2	SW	11	SW	5
Calm		Calm		S	.5	Calm		W	2	W	5.5
Calm		W	1.5	W	1.5	NW	1.5	Calm		WNW	3.5
NNE	2	NE	1.5	Calm		SW	1.5	WSW	1	WSW	5.5
NW	2.5	N	3	NNW	.5	W	1.5	WNW	1.5	WbyS	2.5
Calm		Calm		W	2	W	1.5	W	3	WNW	3
Calm		SSE	1	SSE	.5	WSW	2	WSW	1.5	WNW	1.5
	0.5		0.9		1.2		2		2.8		3.6

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		Midnight.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Force.
ESE	2	ENE	2	ESE	2	ESE	2	ESE	2	ESE	1.5	2.2
E	1	E	.5	E	.5	SE	.5	Calm		Calm		1
N	2	N	.5	Calm		Calm		ESE	1	Calm		1.1
E	.5	E	1	Calm		Calm		Calm		Calm		1.6
E	1	SE	1	SE	.5	SE	1	Calm		Calm		1.4
ESE	2.5	E	1.5	ESE	2.5	ESE	1	SE	1.5	Calm		1.5
E	1	E	1	E	1	SE	.5	Calm		Calm		1.7
ESE	1.5	Calm		ESE	.5	Calm		Calm		Calm		1.4
SE	1	SE	1	SE	.5	SE	.5	Calm		Calm		1.4
SE	1.5	SE	1	SE	1	SE	.5	SE	1	SE	1	2.1
SW	1	SW	1.5	SW	1	S	1	WSW	.5	Calm		1.6
Calm		ESE	.5	ENE	.5	Calm		Calm		Calm		1.8
SE	2	SE	1.5	SE	1.5	SE	1	Calm		Calm		2.3
SW	3.5	SW	2	SW	.5	S	2.5	NE	3.5	Calm		1.9
SSW	3	SbyW	1.5	S	2	SSW	1.5	SbyW	2.5	SbyW	1.5	2.7
S	2	SE	2	SE	2	SE	.5	S	1.5	SE	1	1.7
SW	5	S	6	S	2	SW	3	ENE	.5	Calm		2
SW	4	SW	3	S	3	S	3.5	S	3	S	1	1.9
SW	5	SW	3.5	SE	1	SE	1	S	4	SE	2	2
SE	.5	SE	.5	E	1.5	E	1	E	1	Calm		.7
ENE	1.5	E	1	E	.5	E	2.5	ENE	.5	NE	2.5	1.2
Calm		ENE	1	Calm		NNE	2	NNE	1.5	NNE	1.5	1.3
SE	7	SE	5	SSE	3.5	SSE	2	SE	3	SSE	3	5.7
SW	3	W	3	SW	2	SSW	1.5	Calm		SE	.5	3.2
WSW	5	WSW	3	WSW	2.5	WSW	1.5	Calm		Calm		2.2
SWbyW	5	SWbyW	4	SWbyW	5	WSW	6	W	4	W	3	3.7
S	2.5	SSW	4.5	SSW	3.5	SW	6.5	SSW	5.5	SSW	4.5	3.2
WSW	4	SW	5	SW	5	SW	3	Calm		S	1	3.4
SW	3.5	SW	3	SW	2	Calm		SSE	.5	Calm		2.2
ESE	1	SE	1	ESE	1	NNE	1	Calm		Calm		1
	2.4		2.1		1.6		1.6		1.2		0.8	2

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	2	0.5	0.5	1	0.5	0.5	1	3	2.5	11.5	12	8
2	5	1.5	1	2	3	.5	1.5	2	.5	5	**14.5**	13.5
3	0	0	0	0	1	1	3	8	9	9	9.5	5
4	1.5	6	3	1.5	6	1	.5	2	7.5	10.5	18.5	15.5
5	0	0	0	0	1	2.5	.5	0	4	7	8	14
6	0	1	.5	.5	0	0	.5	1	3.5	8	7	15
7	0	1	3	3.5	4	5	4.5	3	3.5	9.5	**20**	11.5
8	0	0	0	0	0	.5	.5	1	8	7	13	14
9	0	0	.5	0	.5	.5	0	1.5	6.5	9.5	15	13
10	.5	1.5	1	.5	0	0	.5	1	8	11	**20**	17
11	4	1.5	8	8.5	6	3	.5	.5	8	9	**18**	10
12	1	4.5	1.5	0	0	0	0	1	3	8.5	10.5	11.5
13	0	1	0	2.5	0	3	3	4.5	6	9.5	13.5	12.5
14	2.5	0	0	1	3	1	0	2	8	5.5	4	15.5
15	.5	5	4.5	7.5	4.5	6	8	14	11	6	13	13.5
16	1	0	0	0	1	0	0	.5	1	6.5	12	12
17	1	4	3	0	2.5	2	2	.5	3	6	9	8.5
18	0	3	2.5	2	1	0	2.5	3	4	5	15	11
19	.5	3	.5	1	1	2	0	0	2	3	8	9
20	4	1.5	1	1.5	2	1	.5	0	.5	.5	9.5	7
21	0	.5	2.5	1	2.5	1	3	6.5	5.5	5.5	13	12.5
22	12	11.5	9.5	11.5	10.5	8	8	5.5	6	2.5	10.5	**17.5**
23	14.5	11.5	16	12	14	**17.5**	**16.5**	20.5	19.5	14.5	24.5	28.5
24	11.5	11	5.5	5.5	4	6	5	9	12	8	18	29
25	2.5	2	2.5	.5	1.5	1.5	1	4	3	3	10	13.5
26	2	4	3.5	2	2	3.5	1.5	4	8	6.5	11	11
27	5	3	1	2.5	1	10	11	6	2	3.5	7	13.5
28	18	13.5	12	11.5	9.5	8.5	**23.5**	10.5	10.5	10.5	14	11
29	6	5.5	3	1	4	1.5	0	2	4.5	10	12	12.5
30	1	5	5	4	2.5	2.5	.5	3.5	4	5.5	10.5	10
Mean	3.2	3.4	3	**2.8**	3	3	3.3	4	5.8	7.2	12.7	13.2

AMOUNT OF CLOUDS (0–10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	1	1	2	5	8	7	4	4	4	4	3	2	3.8	10 00
2	3	3	4	6	5	5	7	7	6	5	2	1	4.5	10 25
3	9	9	7	7	10	9	8	8	6	8	8	6	7.9	6 00
4	9	9	10	9	7	8	6	7	7	3	3	8	7.2	5 50
5	6	2	3	6	6	5	4	9	9	9	7	4	5.8	7 00
6	3	1	2	6	2	4	4	3	3	3	2	2	**2.9**	9 25
7	2	2	2	3	2	2	4	6	7	5	4	5	3.7	10 10
8	1	2	1	5	5	4	7	4	3	4	4	3	3.6	9 45
9	5	1	3	4	5	7	7	9	8	10	8	7	6.2	7 50
10	4	1	2	3	4	4	4	3	4	6	4	4	3.6	10 20
11	1	1	4	3	2	4	3	3	4	7	8	8	4	9 45
12	10	2	4	4	3	3	3	4	4	5	6	7	4.6	8 20
13	2	2	3	9	8	7	3	3	2	2	1	3	3.8	**10 30**
14	2	1	2	2	3	4	2	6	5	4	5	10	3.8	10 25
15	1	1	2	3	2	3	3	3	4	4	4	6	3	10 25
16	5	2	3	3	3	3	3	3	2	2	2	3	**2.8**	10 00
17	5	3	9	4	5	4	4	3	2	4	4	4	4.2	8 55
18	4	4	3	5	4	4	5	3	3	2	3	5	3.8	8 25
19	10	10	10	10	9	10	2	2	3	5	3	9	6.9	4 55
20	10	10	10	10	10	10	10	8	8	9	9	9	9.4	2 15
21	6	4	3	6	9	9	8	9	8	8	8	9	7.2	5 15
22	7	8	8	8	10	10	10	10	9	9	9	9	8.9	1 05
23	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
24	4	6	6	9	10	8	8	8	9	9	8	6	7.6	8 20
25	3	6	6	4	3	4	6	7	8	7	8	9	5.9	8 05
26	6	10	8	7	7	8	8	7	9	8	9	9	8	8 05
27	10	9	10	7	8	8	9	7	9	10	10	10	8.9	5 25
28	10	8	7	8	9	9	8	6	5	5	6	7	7.3	6 25
29	9	7	7	8	7	7	6	6	8	9	9	8	7.6	6 50
30	4	9	7	7	4	4	6	8	9	9	9	9	7.1	7 35
Total														227 45
Mean	5.4	**4.8**	5.3	6	6	6.1	5.7	5.9	5.9	6.2	5.9	**6.4**	5.8	7 36

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–Mdt.	Mean.
9.5	**20.5**	17	18.5	17	14	5.5	6.5	11	10	8.5	5.5	7.8
14	11.5	12.5	5	11	10.5	4.5	4	3	2	1.5	1.5	5.5
9	3.5	11	11	**20**	16	15	8.5	1	0	4.5	1.5	6.1
16	16	12	17.5	**19.5**	12.5	**7.5**	2.5	2	.5	0	1	7.5
16.5	14	7.5	1	8	14	10	6	3	2.5	.5	0	5
17	17	17.5	16.5	**19**	14.5	12.5	9	8	5.5	5.5	5	7.7
11	14.5	15	19	15	11	**9**	6	8.5	5.5	2	0	7.7
12	13	15	**16**	15	13	7	1.5	2	1.5	1	0	5.9
11.5	8	15.5	**18**	13	3	8	9	11	8	3	1	6.5
15	18	19	15	14	8.5	10	8.5	7	7	7	5	8.1
13	10	11.5	11.5	13	8	8.5	5	7.5	8	5.5	3	7.6
15.5	15	14	14.5	14	12.5	3.5	2	2	.5	.5	1.5	5.8
13.5	18	22	**23**	**23**	19	11.5	7.5	9	6.5	2	.5	8.8
19	**20**	10	5.5	3.5	14.5	17	10.5	6	5.5	12.5	5.5	7.2
15	11	16.5	**22**	20.5	16	11	7	5	7.5	6.5	5.5	9.9
12	12	12.5	**17.5**	17	15	11.5	10.5	9.5	1.5	4	4	6.7
7.5	7	6	18	**24**	21	22	17	12.5	8.5	4.5	1	7.9
11.5	11.5	12.5	**17**	14	**17**	**17**	13	9	9	9	4	8.1
13	11	12	13.5	18	15.5	17.5	**18.5**	9	4	11.5	9.5	7.6
11	7	6	5	7	6	3	3	3	8.5	3.5	3	**4**
12.5	9	5	19	**21.5**	10.5	7	7.5	5	7	9.5	10	7.4
4.5	5.5	16	4	3	2.5	1	1	2	5	8.5	7	7.2
34	32	30	**39**	38	34	32	21	18	11	10	13.5	**21.8**
14	**31**	19	14	20.5	14	20.5	17	11	11	6	2.5	12.7
12	8	15.5	15	23	**26**	21	14	10.5	8.5	2	2	8.4
21	**36**	34	31	30	24	19	14	12	15	16	6.5	13.2
17	17.5	27.5	**33.5**	32	18	11.5	10	15	21.5	15	17	12.5
12	15	16.5	21.5	22	20	21	19	16	14	5	1.5	14
12.5	16	20.5	23	**24**	16.5	16.5	13.5	8.5	4	3	1	9.2
12	9	**13**	4	8	5	5	3	2.5	4.5	2	0	5.1
13.8	14.6	15.4	16.3	**17.6**	14.4	12.2	9.2	7.6	6.8	5.7	4	8.4

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW.	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1	1			1		8	2	1					1	1		1	8	186.5	7	
2		2		1	3	1	1				2	1		1	1		11	131	6.3	
3	2	3	2			1			1	2		1	1		1		10	146.5	4.9	
4	1		2	1	4	7	1										8	180.5	5.5	0.6
5			3	2	1		3					1	2		1		11	120	5.8	
6				1	6	3	2									1	11	184	**7.8**	
7		1	1	2	5	3	2							4	1		5	185	6.3	
8		1			1	4	2					1	2		1		12	141	6.5	
9			1				5				2		2	3			11	156	4.8	
10						3	13	1									7	195	7.3	
11	3		1						1		5	4	2	1	2		5	181.5	5.3	
12			1	1		1	6	3	1								11	138	6.6	
13			2	2		1	9							3	1		6	211	7	
14			1	1		1	2		2	1	5			1	3		7	172	5.4	2.1
15		8	1						1	5	1	5	2				1	237	5.9	
16							4		2		2	2	6				8	161	5.8	
17			1	1			2		3		5	3	3				6	190.5	5.7	
18	1	1							4	1	4	1	4	1			7	193.5	5.7	
19				1	1		5		1		4	4	2	1			5	183	4.5	10.9
20					4	1	2						3	2			12	**95**	3.1	
21	3		3	4	3	1						1		2	1		6	177	5.6	
22		6	7	1							1						9	173	2.7	.1
23	6		1			1	3	3							1	9		**522**	**.1**	**40.6**
24							1	9	1	1	4	1	6				1	305	2.6	13.9
25			1				1		1			10	2				9	202.5	3.6	
26		1			1					1	1	10	4	1	1		4	317.5	1.9	
27		2	1	1					1	4	6	3	2				4	301	1.5	19.7
28	1								1	5	7	4	2	1	1	1	1	336.5	3.4	9.7
29			2					1		1	5	3	4	2			6	221	3.4	
30		1		1		2	3	3	1		1	3		2		1	6	122	3.4	9.2
Total	18	26	31	21	29	38	69	21	21	21	55	58	50	26	15	13	208	6,065.5	145.4	106.8
Mean	0.6	0.9	1	**0.7**	1	1.3	2.3	0.7	0.7	0.7	1.8	1.9	1.7	0.9	0.5	**0.4**	**6.9**	202.2	4.8	3.6

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°C.		*Per cent.*	*mm.*	*mm.*		°C.		*Per cent.*	*mm.*
1	760.13	8.00a.	34.2	1.25p.	95	18.4	756.60	3.30p.	18	6.00a.	42	14.5
2	60.25	8.55a.	34.3	1.50p.	**81**	**17.6**	57.60	2.35p.	19.8	6.10a.	**37**	**12.7**
3	60.90	9.05a.	33	3.25p.	89	19.4	58.08	4.00p.	18.7	4.45a.	54	14.5
4	61.15	9.35a.	33.3	1.10p.	95	20.9	57.95	4.05p.	23.1	4.50a.	53	17.6
5	60.21	8.00a.	33.1	1.45p.	93	19.1	57.75	3.05p.	20.9	5.35a.	49.5	15.3
6	60.75	8.55a.	34.2	1.40p.	87	18	58.23	3.00p.	19.8	4.35a.	40	14.8
7	60.20	8.00a.	32.9	3.35p.	90	18.2	57.35	3.00p.	19	5.15a.	49	14.9
8	59.99	8.00a.	34.2	2.05p.	90	19.7	56.10	3.35p.	20	5.45a.	48	16.1
9	58.80	8.45a.	33.7	2.40p.	91	22.8	55.30	3.30p.	22.5	6.00a.	63	18.4
10	**58.60**	9.25a.	35.3	2.20p.	92	20.7	55.20	4.25p.	23.3	4.00a.	49	19
11	**58.60**	10.40p.	34	3.15p.	93	23	55.05	4.05p.	23.3	6.05a.	60	19.9
12	59.30	9.15a.	35.4	2.40p.	91	23.6	55.70	4.10p.	**24.6**	5.10a.	50	18.8
13	60.65	9.30a.	34.3	2.05p.	89	20.3	56.60	4.35p.	22.5	5.50a.	49	17.9
14	59.68	9.00a.	34.5	3.20p.	88	23.3	55.85	4.10p.	22	5.50a.	49	17.3
15	59.20	8.55a.	33.2	2.55p.	92	22.3	55.95	3.40p.	23	5.30a.	55	18.7
16	59.70	8.25a.	34.2	2.10p.	92	22.4	56.11	5.00p.	23	6.00a.	49	18.5
17	59.78	8.00a.	**35.6**	2.25p.	90	22.8	56.05	3.40p.	24	5.30a.	40	16
18	59.75	8.15a.	33.8	2.45p.	96	22	56.75	4.35p.	22.9	6.00a.	47	16.7
19	61.35	11.00p.	33.1	1.55p.	95	22.6	57.85	3.35p.	23.6	5.55a.	52	18.3
20	61.50	11.00p.	32.9	3.15p.	95	22.9	58.65	3.30p.	**24**	5.45a.	63.5	18.8
21	**62.45**	8.30a.	33.1	3.30p.	90	21.8	**59.25**	3.20p.	22.9	5.45a.	41.5	14.1
22	60.80	8.00a.	33.2	10.20a.	88	22.2	57.87	4.00p.	23.6	5.05a.	59	18.1
23	58.80	0.05a.	**26.2**	11.50a.	98	22	**52.85**	5.30p.	22	10.15a.	**78**	18.9
24	59.95	10.45p.	30.3	9.55a.	**99**	22.9	56.15	3.25a.	23	4.35a.	74	19
25	60.85	10.10p.	31.4	0.35p.	91	23.6	57.40	3.50p.	22.2	4.55a.	70	18.2
26	60.95	8.45a.	31.2	0.10p.	91.5	23.4	57.70	2.05p.	24.3	5.20a.	74	19.6
27	59.74	9.00a.	31.9	11.55a.	94	23.9	56.40	3.15p.	24.4	6.00a.	69	**20.9**
28	58.80	8.45a.	31.4	2.45p.	96	22.9	56.36	4.00p.	23.7	6.40a.	71	20
29	59.29	8.00a.	32.7	1.45p.	91	23.5	56.80	4.35p.	24	5.55a.	64	20.2
30	59.95	10.00p.	32.6	1.45p.	91.5	**24**	57.90	4.15p.	24	5.10a.	71.5	20.4
Mean	760.07	-------	33.1	-------	91.8	21.7	756.78	-------	22.4	-------	55.7	17.6

DAILY GENERAL REMARKS.

1____Gusty SE winds in the afternoon.
2____Slight convergence of Ci. toward SE early in the morning.
3____Overcast.
4____d in the early morning.
5____Cloudy weather.
6____Fair weather.
7____☊ early in the morning.
8____Gusty ESE winds in the afternoon.
9____⌈↘° N quadrant, d°, gusty winds in the afternoon.
10____↘ NE quadrant at night.
11____Cloudy weather.
12____⊤ NE quadrant, ⌈↘° N by W in the afternoon.
13____Gusty SE winds in the afternoon.
14____● at night.
15____Somewhat gusty WSW winds in the afternoon.
16____Fair weather.
17____Cloudy weather.
18____∞ in the afternoon.
19____∞² in the afternoon; ● at night.
20____Overcast.
21____Do.
22____●° 2.25 p.
23____Somewhat squally weather, especially in the afternoon.
24____● in the early morning; p in the forenoon; somewhat gusty Wly winds, ○ in the afternoon.
25____☊° early in the morning; ⌈↘ SE quadrant, ◠, gusty WSW winds in the afternoon.
26____d°, ⌈↘ S quadrant in the morning; gusty WSW winds, ○°, p° in the afternoon.
27____● in the early morning, afternoon and night; gusty SW winds in the afternoon.
28____● early in the morning, d°, ⌈↘° NNE in the afternoon.
29____Somewhat gusty WSW winds in the afternoon.
30____● in the early morning; ⌈↘ various points in the afternoon.

OBSERVATIONS FOR MAY, 1911.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	59.35	59.05	59	59.25	59.40	59.49	59.89	60.34	**60.52**	60.43	59.98	59.61
2	59.50	59.25	58.80	58.85	59.05	59.29	59.60	**60.23**	60.14	59.85	59.31	58.68
3	58.60	58.25	57.80	57.90	58.15	58.39	58.86	59.27	**59.69**	59.42	59.04	58.57
4	59.20	59.25	59	**58.60**	59	59.10	59.70	60.12	60.33	60.07	60.01	59.68
5	60.25	60.25	60	59.85	59.95	60.43	60.97	**61.39**	61.37	61.13	60.98	60.27
6	**60.70**	60.55	60	59.80	59.85	60.03	60.64	**60.70**	60.57	60.62	60.47	59.78
7	59.75	59.40	59	**58.50**	58.70	59.14	59.88	60.14	60.17	59.88	59.53	59.34
8	58.55	58.30	58.25	58.50	58.70	59.27	59.57	**59.99**	59.83	59.59	59.27	58.82
9	59.10	59	58.90	58.95	59.10	59.49	59.74	60.03	**60.33**	60.26	59.94	59.46
10	59.40	59.15	59	58.95	59	59.24	59.81	60.23	**60.30**	60.12	60.08	59.61
11	59.60	59.35	58.85	58.60	59.10	59.09	59.61	59.89	**60.15**	59.97	59.69	59.23
12	59.35	58.90	58.70	58.50	58.60	58.91	59.29	59.47	59.52	59.29	59.06	58.61
13	58.95	58.75	58.50	58.35	58.80	59.08	59.63	**59.69**	**59.69**	59.36	59.08	58.63
14	58.50	58.30	58	57.70	57.80	57.89	58.24	58.62	59.04	59.05	58.73	58.26
15	59.20	58.90	58.30	58.10	58	58.11	58.44	58.79	58.92	58.89	58.73	58.17
16	59.50	59.10	59.20	58.90	58.90	59.04	59.27	59.79	**59.92**	59.90	59.58	59.02
17	58.55	58	57.70	57.75	57.80	58.32	58.95	59.16	**59.22**	58.90	58.59	58.22
18	58.30	57.70	57.45	57.35	57.55	57.81	58.18	58.23	58.24	58.12	57.68	57.09
19	57.80	57.50	57.55	57.60	57.50	57.84	57.91	58.03	58.13	58.08	57.69	57.32
20	57.95	57.60	57.40	57.20	57.55	57.60	58.08	58.37	58.55	58.48	57.94	57.51
21	58.40	58.20	57.90	58	58.30	58.41	58.41	58.57	58.57	58.06	57.82	57.42
22	57.80	57.50	57.20	57	57.50	57.80	58.24	58.17	58.29	58.22	57.90	57.35
23	**58.40**	58.10	57.75	57.60	57.70	57.75	57.98	58.11	58.21	58.12	57.58	57.22
24	57.40	57.05	56.55	56.45	56.60	57.04	57.24	57.42	57.47	57.28	57.07	56.86
25	58.05	57.60	57.40	57.30	57.65	57.80	58.24	58.42	58.83	58.73	58.31	57.76
26	58.75	58.40	57.90	57.70	57.65	57.92	58.31	58.67	58.86	58.91	58.98	58.46
27	**59.30**	59.05	58.70	58.60	58.55	58.65	58.83	58.97	59.07	58.97	58.43	57.95
28	58.50	58.25	58.10	58	58	58.19	58.48	58.74	**58.84**	58.81	58.22	57.68
29	57.75	57.45	57.15	56.90	57.05	57.39	57.78	57.91	**58.02**	57.96	57.65	57.19
30	57	56.65	56.75	56.70	56.75	57.15	57.54	57.69	57.92	57.91	57.70	57.31
31	57.80	57.65	57.60	**57.55**	57.70	58.09	58.37	58.50	58.59	59.01	58.92	58.53
Mean	58.75	58.47	58.21	58.10	58.26	58.51	58.89	59.15	59.27	59.14	58.84	58.37

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	24.7	24.6	24.4	**23.8**	24	24	26.3	28.5	**30.3**	30.2	28.9	**30.3**
2	25.5	25.5	25.3	25.1	25.2	25.4	25.6	26.6	28.2	29.4	30	30.1
3	23.9	23.3	23.3	**23.1**	23.2	23.8	25.3	28	28.6	30.1	30.1	30.7
4	23.2	23	22.8	22.5	**22.4**	22.6	25.6	27.3	28.6	28.2	**30**	29.5
5	23.5	23.3	23.2	23.2	**23.1**	23.2	25	28.7	28.1	29.2	28.1	29.9
6	23.8	23.9	23.6	23.3	**23.1**	23.2	25.6	27.7	30.2	30.4	29.5	**31.1**
7	24.9	23.7	23.6	23.3	23.1	23.8	26.9	27.7	28.6	**30.7**	28.5	27.9
8	22.1	**21.8**	22.2	22.9	**21.8**	**21.8**	24.4	27.1	28.2	29.3	29.9	29.9
9	23.9	23.4	23.4	23	**22.8**	22.9	26.5	28.2	29.2	30.4	30.5	31
10	25	24.8	24.6	24.2	24.1	23.9	24.8	26.9	28.7	30.	29.8	30.4
11	24	23.7	23.4	23	22.4	**22.3**	25	28.3	30	29.5	30.2	31.1
12	24.4	24	23.9	23.5	**23**	23.8	26.8	28.6	29.1	29.4	30.2	30.8
13	24.9	24.5	24.2	23.7	**23.3**	**23.3**	26.4	29	30	30.3	31.6	31.8
14	24.6	24.2	24.1	23.6	**23.5**	23.7	25.4	26.9	29.8	30.4	30.7	30.9
15	23.6	23.5	23.1	23.1	**23**	24	25.4	27.7	30	30	31.2	32.5
16	25.9	25	24.4	24.6	24.5	24.4	24.8	25.3	26.6	28.2	29.7	31
17	23.3	23.1	22.7	22.5	**22.2**	22.5	25.8	28	29.7	30	30.2	31.2
18	24	24.1	24	23.6	**23.3**	23.9	26.3	28.3	30.4	29	30.3	31
19	24.1	23.6	23.3	23	**22.9**	23	26.4	28.3	31.3	30.7	31.2	31.6
20	24.8	24.6	23.6	22.6	**22**	22.2	26.6	29.3	29.5	30	30.7	31.4
21	24.9	24.4	24	23.8	**23.7**	23.9	26	29.6	30.9	30.7	31.4	31.6
22	25.1	24.9	24.2	23.9	**23.8**	24	28.2	30.3	30.5	30.5	30.3	30.7
23	25.3	24.8	24.3	**23.9**	**23.9**	24.1	26.4	29.3	31.4	31	30.7	31.3
24	25	24.6	24.2	23.7	**23.2**	23.5	27	29.5	30.6	32	32.4	33.4
25	25.4	24.9	24.5	24.1	**24**	**24**	27.2	29.6	30.6	31.3	31.1	32
26	25.3	25	24.8	24.7	**24.3**	24.7	28.3	30	30.1	31.3	32	32.2
27	25.7	25.5	25.2	25	**24.5**	24.7	27.1	28.8	29.2	30.4	30.7	31.4
28	24.8	24.5	23.8	23.7	**23.6**	24	27.2	29.9	30	31.2	31.8	32.1
29	26.2	25.8	25.5	24.9	**24.5**	24.7	28.6	29.2	30.4	31.4	31.2	31.5
30	25.5	25.4	25.2	25.2	24.9	25.3	28.3	29.3	29.3	30.8	31.3	32.2
31	23.9	23.9	23.9	23.8	**23.6**	23.8	26.7	28.9	**32.1**	29	28.7	30.5
Mean	24.6	24.2	24	23.7	**23.4**	23.7	26.3	28.4	29.7	30.2	30.4	31.1

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
59.19	58.76	58.32	57.88	**57.82**	58.27	58.75	59.20	59.75	60.10	60	59.75	59.34
57.98	57.39	57.01	**56.59**	57.11	57.34	57.80	58.30	58.65	59	58.90	58.85	58.64
57.58	57.02	56.96	**56.90**	57.06	57.60	58.25	58.80	59.50	59.65	59.45	59.50	58.43
59.44	59.02	58.81	58.86	59.09	59.44	59.70	60.15	60.40	60.65	**60.70**	60.45	59.62
59.42	59	58.72	**58.71**	58.96	59.59	60.45	60.60	60.95	61.05	60.95	60.80	**60.25**
58.97	58.69	58.15	**57.89**	58.18	58.59	59	59.40	60.20	60.20	60.40	60	59.72
58.79	59.02	58.88	58.61	58.90	59.90	60.45	**60.90**	60.55	60.40	60	59.30	59.55
58.04	57.43	**57.35**	57.46	57.61	57.81	58.20	58.70	59.15	59.60	59.55	59.45	58.71
58.50	57.96	57.76	**57.72**	58.21	58.68	58.95	59.30	59.50	59.85	59.90	59.50	59.17
58.61	58.04	58.40	**58.03**	58.78	59.06	59.15	59.10	59.75	59.85	60.05	59.80	59.31
58.36	57.60	57.21	**57.09**	57.36	57.78	58.75	59.10	59.60	59.90	59.60	59.25	58.95
57.62	57.22	**56.89**	57.30	57.02	57.34	58	58.75	59.25	**59.70**	59.65	59.20	58.59
57.81	56.95	**56.42**	56.62	56.87	57.37	57.65	57.95	58.10	58.55	58.65	58.70	58.34
57.40	56.70	**56.27**	56.31	56.81	57.11	57.65	58.50	59	59.50	**59.55**	59.45	58.10
57.45	56.80	**56.26**	56.28	57.09	57.57	58.25	58.75	59.10	59.55	**59.75**	**59.75**	58.30
58.41	57.82	57.54	**57.17**	57.53	58.19	58.20	58.65	59	59.25	59.10	58.80	58.82
57.28	56.45	**56.25**	56.48	56.71	57.61	57.75	58.05	58.70	59	58.95	58.70	58.05
56.47	55.52	**55.47**	55.62	55.71	56.47	57.25	57.75	58	58.40	**58.55**	58.20	57.38
56.70	56.12	**55.41**	55.51	56.14	56.65	57.10	57.80	58	58.35	**58.40**	58.05	57.38
56.82	56.45	**56.36**	56.45	57.16	57.51	58.25	58.55	58.70	59.05	**59.10**	58.90	57.81
57.02	56.30	56.07	**56**	56.39	57.09	57.60	57.85	58.80	**59.25**	58.90	58.60	57.83
56.70	56.06	**55.71**	55.83	56.16	56.74	57.40	57.95	58.90	**59.30**	59.15	58.50	57.56
56.42	55.71	**55.19**	55.34	55.85	56.20	56.90	57.25	57.50	58.05	58.15	57.85	57.29
56.03	55.44	55.22	**54.99**	55.14	56.05	56.70	57.35	57.75	58.35	**58.55**	58.30	**56.85**
57.15	56.30	55.85	**55.57**	56.14	57	57.45	58.40	58.60	59	**59.20**	59	57.74
57.57	57.10	56.70	56.63	**56.58**	57.48	58.05	58.70	59.35	59.75	**59.95**	59.75	58.26
57.40	56.82	**56.36**	56.82	56.72	57.36	58.35	58.50	59	59.20	59	58.90	58.31
56.92	56.32	56.09	56.28	**55.81**	56.50	56.75	57.60	58	58.25	58.45	58.05	57.70
56.60	56.13	**55.64**	55.68	55.69	56.29	56.70	57.35	57.55	57.95	57.80	57.45	57.13
56.65	56.40	56.11	**55.97**	56.59	57.61	57.80	58.35	58.65	**58.70**	**58.70**	58.40	57.38
58.10	58.04	58.04	57.91	57.61	57.71	58.20	58.80	**59.85**	**59.85**	59.80	59.15	58.39
57.66	57.12	56.82	**56.79**	57.06	57.61	58.11	58.59	59.03	**59.33**	59.32	59.04	58.35

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
26.3	26.5	26.8	27.2	28.1	27.4	26.8	26.3	26.4	25.9	26	25.9	26.6
30.9	**31.8**	31.1	30.5	31.5	**29.7**	27.6	26.9	26.4	**25.4**	24.7	**24.2**	27.6
30.8	**31.8**	31.7	29.8	29.7	28.2	26.8	26.5	26	25.4	24.9	23.8	27
28.9	28.8	28.6	28	26	25.3	24.9	24.7	24.5	24.2	24	23.7	25.7
30.2	**32.2**	30.2	29.4	28.7	27.5	24.4	24.9	25.1	24.9	24.2	24.1	26.4
29	26.5	27.8	29.6	29.4	27.6	26.6	26.4	25.9	25.8	25.5	25	26.7
27.9	23.6	23.6	23.7	23.5	22.8	22.6	22.7	22.7	22.6	22.5	**22.3**	**24.7**
30.6	31.1	**31.2**	**31.2**	29.2	28.1	27.7	27.5	26.5	25.4	24.9	24.3	26.6
31.9	31.7	31.2	29.8	29.8	28.6	28	28	26.5	25.8	25.4	25.1	27.4
31.4	31	29.5	27.7	26.7	26.3	25.8	25.3	**24.9**	24.3	24	**23.8**	26.6
31.4	31.4	**32.2**	30.7	28.7	27.8	27.6	27.3	26.5	25.4	25.2	24.8	27.2
30.9	**31.7**	31.5	28.2	28.5	27.1	26.9	26.9	26.4	26	26.1	25.7	27.2
33	32.1	32.7	32.8	31.6	29.1	27.4	26.9	26.4	26	25.4	25	28
31.9	32.3	33.3	**33.6**	31	29.2	27.9	27.3	26	25.5	25.1	24.1	27.7
32.9	**33.5**	33.3	33.2	31.2	29.3	27.3	26.8	26.7	26.1	26.1	26.1	27.9
31.1	30.2	26.9	26.7	26.7	26.5	25.7	25	24.3	24.3	24.1	**23.7**	26.2
32	33	**33.7**	29.7	26.9	26	25	25.1	25	25.1	25.1	24.1	26.7
31.6	**31.8**	**31.8**	29.5	28.6	27.6	26.9	26.6	26.4	25.4	25	24.3	27.2
32.3	**33.5**	32.6	30.7	30	28.9	27	26.1	25.6	25.4	25.1	24.8	27.6
32.6	**33.6**	31.9	29	29	28.1	27.2	26.6	26.6	26.2	25.7	25.3	27.5
32	31.6	30.2	30.2	29.8	29	28.1	26.8	26.1	25.5	25.1	24.9	27.7
31.5	**32.5**	31.6	31.4	30	29	28.5	28.2	26.8	25.7	25	25.3	28
31.7	32.2	**33.3**	31.7	29.3	28.7	27.8	27.2	26.7	26.5	25.6	25.3	28
33.4	33.9	**34.1**	33.8	33	30.3	29.5	29.3	28.8	28.3	27.9	26.2	**29.1**
32.9	33.4	**33.9**	33.4	30.8	29.3	27.6	27.9	26.6	26.3	25.8	25.6	28.4
32.8	**33**	32.9	31.9	31	29.7	29	28.9	27.7	27.1	26.3	26	28.7
32.4	**33.2**	32.4	31.2	30	29	27.7	27.2	26.2	25.8	25.3	24.9	28.1
32.3	32.6	**32.7**	30.3	29.8	28.1	27.3	27	26.6	26.4	26.3	27.1	28
31.9	**32.3**	**32.3**	31.6	30.1	29.9	29.6	27.7	26.9	26.7	26.6	25.8	28.6
32.5	32.7	**32.8**	32.5	30.4	26.8	24.6	24.9	24.9	24.7	24.4	**24.1**	27.8
31.5	28	25.7	30.2	29.7	28.5	27.6	27	27.1	25.7	25.4	25.4	27.1
31.4	**31.4**	31.1	30.3	29.3	28	27	26.6	26.1	25.6	25.2	24.9	27.4

RELATIVE HUMIDITY (%).

Day.	1a.	2a.	3a.	4a.	5a.	6a.	7a.	8a.	9a.	10a.	11a.	Noon.
1	88	88	87	90	91	91	89	73	**70**	**70**	75	73
2	**93**	90	88	90	89	89	89	85	79	73	71	71
3	82	85	85	**88**	85	86	83.5	70	73	66	**62**	63
4	90	90	91	91	90	88	79	73	68.5	70	**61**	64
5	**97**	**97**	96	**97**	96	95	90	69	74	71.5	81	71
6	87	89	89	**90**	87	**90**	81	79	70	70	72	70
7	88	91	91	94	95	92	83	79	74	**65**	82	82
8	**99**	**99**	**99**	**99**	**99**	98	91	83	79.5	74	72	72
9	90	91	92	92	**94**	**94**	86	73	72	71	65	62
10	92	92	94	**96**	**96**	**96**	94	84	73	70	71	66
11	87	**89**	**89**	88	88.5	**89**	81	72	67	70	65.5	**62**
12	87	**89**	**89**	**89**	**89**	85.5	82	75	71	70	67	**65**
13	92	91.5	92	**93**	92	91	82	74	69	72	65	65
14	87	89	88	**91**	90	90	84	80	70	69	68	71
15	86	87	90	**91**	**91**	90	86	78	73	74	62.5	56
16	88.5	92	**95**	92	92	93	**95**	87	81	72	69	**64**
17	91	92	94	93	93	91	82	72	69	68	64	61
18	**94**	**94**	**94**	**94**	93	91	85.5	77	70	74	71	71
19	86	88	88	**89**	**89**	88	82	72	64	67	67.5	64
20	83	84	88	89	**91**	90	77	65	61	62	64	61.5
21	90	91	92	**93**	92	91	85	71	65	67	63	62
22	85	86	90	91	91	90	85	71.5	72	72	70	72
23	91	93	95	**96**	92	91	87	79	71	73	72	70
24	92	94	96	**97**	**97**	93	80.5	72	65	55	56	53
25	84	85	86	**87**	**87**	86	81	79	72	71	68	**63**
26	82	83	84	85	85	**86**	79	73	71	66	64	**63**
27	84	86	88	88	**91**	89	83	77	76	73	72	70
28	86	87	90	**94**	90	89	84	77	75	71	69	67
29	83	83	84	**87**	**87**	**87**	75	75	70	68	68	**67**
30	88	87	88	85	86	83	77	78	78	74	69.5	66
31	**92**	91	91	90	91	90	83	76	**70**	75	80	72
Mean	88.5	89.5	90.4	**91.2**	91	90.1	83.9	75.8	71.4	69.8	68.6	66.4

VAPOR PRESSURE (mm).

Day.	1a.	2a.	3a.	4a.	5a.	6a.	7a.	8a.	9a.	10a.	11a.	Noon.
1	20.4	20.3	19.8	**19.7**	20.1	20.3	22.5	21.1	**22.5**	22.4	22.1	23.3
2	22.4	21.8	21.2	21.3	21.2	21.5	21.8	21.9	**22.4**	22.2	22.3	22.4
3	18.1	18.1	18.1	18.4	**18**	18.9	20	19.7	21.3	21	19.8	20.8
4	19.1	18.8	18.8	18.4	18.2	**17.9**	19.3	19.5	19.9	19.8	19.3	19.6
5	20.7	20.5	20.2	20.4	20.1	20	21.2	20.2	21	21.5	**22.9**	22.3
6	19.1	19.6	19.2	19	**18.3**	18.9	19.8	21.9	22.4	22.4	22.2	**23.5**
7	20.6	19.7	19.8	20	19.9	20.2	22	21.6	21.5	21.4	23.6	22.7
8	19.6	19.2	19.7	20.6	19.2	19.1	20.6	22.3	22.5	22.5	**22.6**	**22.6**
9	19.8	19.5	19.7	19.2	19.3	19.5	22.2	20.8	21.8	**22.8**	21	20.6
10	21.6	21.5	21.6	21.5	21.4	21.1	21.9	**22.1**	21.4	**22.1**	22	21.2
11	19.3	19.3	19	18.3	**17.8**	17.9	19.1	20.7	21	21.3	20.9	21
12	19.8	19.7	19.6	19.1	**18.5**	18.7	21.4	21.9	21.4	21.2	21.3	21.6
13	21.4	20.9	20.7	20.2	19.6	**19.4**	21.1	22	21.7	**23.2**	22.5	22.8
14	20.1	19.9	19.6	19.8	19.5	19.5	20.2	20.9	21.8	22.3	22.2	23.4
15	**18.7**	**18.7**	19	19.1	19	19.9	20.7	21.5	22.9	**23.4**	21.1	20.5
16	22	21.7	21.6	21.2	21.1	21.2	22.1	20.8	21	20.4	21.5	**21.5**
17	19.4	19.4	19.2	18.8	18.5	**18.4**	20.3	20.3	21.2	21.4	20.3	20.7
18	20.8	21	20.8	20.3	19.8	20	21.7	22.1	22.4	22	22.7	**23.6**
19	19.3	19	18.7	18.5	18.4	18.3	20.9	20.7	21.7	22.1	**22.8**	22.1
20	19.4	19.3	19	18.2	**17.9**	**17.9**	20	19.7	18.8	19.7	21	21
21	21	20.6	20.4	20.4	20.1	20	21.1	21.9	21.5	**22.1**	21.6	21.5
22	20.1	20.1	20.2	20.1	**19.8**	19.9	**24.2**	22.9	23.2	23.5	22.5	23.5
23	21.8	21.7	21.4	21.1	**20.3**	20.4	22.3	23.8	24.2	**24.5**	23.5	23.8
24	21.7	21.6	21.5	20.8	20.6	20	21.3	**22**	21.1	19.4	20.4	20.4
25	20.3	19.9	19.6	19.5	19.3	19.2	21.6	24.2	23.4	**24.3**	22.8	22.3
26	19.6	19.7	19.6	19.6	**19.1**	19.8	22.5	23.1	22.4	22.6	22.5	22.6
27	20.5	20.9	21.1	20.8	20.7	20.6	22.3	22.6	23	23.5	23.8	**23.9**
28	19.9	20	19.7	20.5	**19.4**	19.7	22.6	24	23.8	**24.1**	**24.1**	23.8
29	21	20.5	20.5	20.3	**20**	**20**	21.7	22.6	22.7	23.3	23	23
30	21.3	20.9	20.8	20.3	20.1	19.8	22.1	23.5	23.5	**24.6**	23.6	23.7
31	20.3	20.1	20	**19.7**	19.8	**19.7**	21.7	22.4	**24.8**	22.3	23.3	23.5
Mean	20.3	20.1	20	19.8	**19.5**	19.6	21.4	21.8	22.1	**22.2**	22.1	**22.2**

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
88	**92**	90	87	84	86	86	88	88	91	91	90	85.2
67	66	67	65	**62**	64.5	68	71	75	77	81	82	77.2
63.5	**62**	63.5	68	65	67	75	73	75	79	79	86	74.4
67	68	71	74	89	91	93	94	95	**97**	96	**97**	82.8
63	**57**	68	72	69	68	83	85	84	83	86	86	80.8
77	**90**	81	74	**65**	70	81	80	81	84.5	85	87.5	80.4
87	98	**99**	95	95	**99**	**99**	97	97	98	97	98	**90.6**
67	**59**	60	60	65	68	70	71	78	83	85	88	79.9
53	54	62	63	67	73	77	76	83	87	89	91	77.4
60	**59**	64	76	76	78	81	84	85	87	90	90	81.4
64	63	**62**	65	74	74	77	77	79	84	83	86	76.5
67	**65**	**65**	74	75	82	85	80	84	85	87	88	79
60	61	**58**	**58**	59	67	76	77	79	81.5	84	85	76
64	65	65	**57**	63	68	74	78	81	83	86	83	76.8
57	**54.5**	55	59	69	74	82	85	85	88	88	88	77
67	67	77	77	79	77	80	83	89	88	90	89	82.6
59.5	**56**	57	71	86	89	90	92	94	94	92	**95**	81.1
68	**64**	67	70	73	76	76	82	82	84	84	86.5	80
59	**52.5**	54	64	69	74	78	82	83	81	82	83	75.2
56.5	**55**	65	75	75	76	78	81	84	85	87	88	75.9
59.5	61	66	68	66	70	75	77	79	82	83	84	76.4
66	**63**	**63**	66	73	72	80	83	81	88	92	**93**	79
67	63	61	**60**	75	77	80	83	86	87	92	93	80.6
49	**47**	50	50	54	62	67	68	71	73	75	82	**70.7**
56	54	53	**52**	60	58	73	77	77	79	80	81	72.9
58	59	63	68	69	70	75	76	82	83	84	81.5	74.6
64.5	61	**60**	62	71	75	73	75	82	84.5	83.5	86	77.3
64	**60**	64	71.5	71	**74**	77	79	83	83	82	80	77.8
69	69	69	68	73	69	79	78	83	83	85	86	76.9
64	**63**	65	68	76	75	84	84	87	88	91	**92**	79
70	86	84	75	78	83	87	87	87	89	88	88	83.5
64.6	**64.3**	66.1	68.1	71.8	74.4	79.3	80.7	83.2	85.1	86.4	87.5	78.7

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
22.3	23.6	23.4	23.2	**23.7**	23.3	22.6	22.3	22.4	22.6	22.7	22.4	22
22.4	**23.1**	22.4	21.1	21.2	20	18.8	18.6	19.2	18.5	18.7	**18.3**	21
20.9	21.8	**22**	21.1	20.2	19	19.7	18.7	18.7	19	18.6	18.9	**19.6**
19.7	20	20.7	20.9	**22.1**	21.8	21.8	21.8	21.7	21.7	21.2	21	20.1
20.1	20.5	21.6	22.1	20.1	**18.7**	18.9	19.9	20	19.5	19.2	19.3	20.5
22.9	23	22.4	22.8	19.8	19.4	21	20.5	20.2	20.8	20.7	20.6	20.8
24.2	21.3	21.4	20.6	20.4	20.4	20.2	19.8	20	20	19.7	**19.6**	20.9
21.9	19.8	20.3	20.1	19.5	**19**	19.5	19.4	20	19.9	19.9	19.9	20.4
18.6	18.8	20.9	19.6	20.7	21.1	21.5	21.3	21.4	21.5	21.5	21.5	20.6
20.6	19.8	**19.7**	20.9	19.8	19.8	20.1	20.2	19.9	**19.7**	19.9	**19.7**	20.8
21.8	21.4	**22.2**	21.4	21.7	20.6	21.1	20.7	20.3	20.3	19.9	19.9	20.3
22.4	**22.5**	22.4	21.2	21.8	21.8	22.4	21.2	21.5	21.3	21.8	21.5	21.1
22.3	21.6	21.4	21.6	20.3	20	20.6	20.4	20.3	20.3	20.3	20	21
22.3	23.4	**24.8**	22.1	21.1	20.3	20.7	20.9	20.2	20.1	20.4	**18.5**	21
21.1	20.9	20.9	22.2	23.2	22.3	22.1	22.2	22.1	22.1	22.1	22.1	21.2
22.4	21.3	20.4	20.1	20.5	19.9	19.6	19.7	20.1	19.9	20	**19.3**	20.8
21	21.1	22.3	22	**22.5**	22.1	21.2	21.9	22.1	22.3	21.7	21.1	20.8
23.4	22.4	23.5	21.6	21.1	20.9	20	21.1	20.9	20.2	19.8	**19.5**	21.3
21.1	20.1	19.8	21	21.8	21.9	20.7	20.5	20.2	19.6	19.4	19.4	20.3
20.6	21.1	**22.8**	22.3	22.3	21.4	21	21	21.8	21.6	21.3	21.2	20.4
21	21.1	21.1	21.7	20.6	20.8	21.2	20.2	**19.7**	19.9	19.8	**19.7**	20.8
22.6	22.8	21.9	22.7	23.1	21.5	23.2	23.6	21.2	21.5	21.6	22.2	22
23.3	22.6	23.2	21	22.7	22.5	22.2	22.2	22.5	22.4	22.4	22.2	**22.4**
18.8	**18.5**	19.7	19.7	20	19.9	20.5	20.5	20.8	20.9	21	20.6	20.5
20.9	20.6	20.7	20	20	**17.5**	20.1	21.4	19.8	20	19.7	19.7	20.7
21.6	21.9	23.5	**23.9**	22.9	21.6	22.3	22.5	22.7	22.3	21.3	20.3	21.7
23.3	23.1	21.9	20.9	22.3	22.3	20.1	20.2	20.6	20.8	**20**	20.1	21.6
23.2	21.9	23.6	22.9	22.2	20.8	20.7	20.9	21.4	21.3	20.9	21.2	21.8
24.1	**25**	24.7	23.6	23.3	21.7	24.2	21.5	21.7	21.7	21.9	21.2	22.2
23.3	23.1	23.9	**24.6**	24.4	19.7	**19.3**	19.7	20.3	20.4	20.6	20.6	21.8
23.9	24.2	20.5	23.8	24.1	24	24	23.1	23.2	21.9	21.1	21.1	22.2
21.9	21.7	21.9	21.7	21.6	20.8	21	20.9	20.9	20.8	20.6	20.4	21.1

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Ci.-S.		A.-Cu.	N	A.-Cu.	N						
2			A.-Cu.		A.-Cu.							
3	A.-Cu.		Ci.-S.		Ci.-S.				Ci.-S.		Ci.-S.	
4	Ci.		A.-Cu.		Ci.		Ci.-S.		Ci.-S.		Ci.-S.	
5			A.-Cu.		Ci.-S.		Ci.-S.				Ci.-S.	
6	Ci.-S.		A.-Cu.		Ci.-S.						Ci.-S.	
7	Ci.-S.		A.-Cu.	EbyN	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
8	A.-Cu.				Ci.		Ci.-S.		Ci.		Ci.	
9	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
10	Ci.-Cu.		Ci.-Cu.		Ci.						Ci.-S.	
11	Ci.						Ci.		Ci.-S.		Ci.-S.	
12	Ci.-S.		Ci.-S.		Ci.		Ci.-Cu.		Ci.		Ci.	
13	Ci.-Cu.		Ci.-S.		Ci.-S.		Ci.-Cu.		Ci.-Cu.		Ci.-S.	
14	Ci.-S.		Ci.	W	Ci.	W	Ci.		Ci.		Ci.	
15	A.-Cu.		Ci.		Ci.		Ci.		Ci.		Ci.	
16			Ci.		Ci.-S.		Ci.-S.		Ci.-S.		A.-Cu.	
17	Ci.		Ci.		Ci.		Ci.		Ci.			
18	A.-Cu.		A.-Cu.		Ci.		Ci.		Ci.		Ci.	
19	Ci.		Ci.				Ci.		Ci.		Ci.	
20	Ci.											
21	Ci.		Ci.	NE	Ci.	NE	Ci.	NE	Ci.		Ci.	
22	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
23	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
24	Ci.		Ci.									
25	Ci.-S.		Ci.-S.		Ci.-S.	N	Ci.		Ci.	NE	Ci.	NE
26	Ci.-S.		Ci.		Ci.		Ci.-S.		Ci.-S.		Ci.	
27	Ci.						Ci.		Ci.		Ci.	
28	Ci.-S.		Ci.		Ci.		Ci.		Ci.		Ci.	
29	Ci.-S.				Ci.				Ci.		Ci.	
30	Ci.-S.		Ci.	NEbyE	Ci.-S.		Ci.-S.		Ci.	NEbyE	Ci.	
31	Ci.-S.		Ci.-S.		Ci.		Ci.-S.		Ci.		Ci.-S.	

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Cu.		Cu.		Cu.		Cu.	N	Cu.	N	Cu.-N.	
2	Cu.-N.	NEbyE	Cu.	NE	Cu.	NE	Cu.		Cu.		Cu.	
3	S.-Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	
4	Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	E	N.-cf.	E
5	Cu.-N.		S.-Cu.		Cu.	E	Cu.	E	Cu.-N.	E	Cu.	E
6	Cu.		Cu.	ESE	Cu.	E	Cu.	E	Cu.-N.	E	Cu.	
7	S.-Cu.		Cu.		Cu.	E	Cu.	EbyS	Cu.		Cu.-N.	
8	Cu.	SE	Cu.	SE	Cu.	SE	Cu.		Cu.		Cu.	
9	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
10	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
11	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
12	Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	
13	Cu.	E	Cu.	E	Cu.		Cu.	E	Cu.	E	Cu.	
14	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
15	S.-Cu.	E	Cu.		Cu.	E	Cu.		Cu.	SE	Cu.	
16	N.		N		Cu.		Cu.		Cu.	E	Cu.	E
17	Cu.		Cu.	SE	Cu.		Cu.	SE	Cu.	ESE	Cu.	E
18	Cu.		Cu.		Cu.	E	Cu.	E	N.-cf.	E	Cu.	E
19	S.-Cu.		Cu.		Cu.	SE	Cu.	SE	N.-cf.	ESE	Cu.	ESE
20	Cu.		Cu.		Cu.		Cu.		Cu.	E	Cu.	E
21	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
22	Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	
23	S.-Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	E
24	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	
25	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
26	Cu.		Cu.	SE	Cu.	SE	Cu.	SE	Cu.	SE	Cu.	
27	Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
28	Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	
29	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
30	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
31	Cu.		Cu.		Cu.	EbyN	Cu.-N.	EbyN	Cu.-N.	EbyN	Cu.	

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
								Ci.-S.		Ci.-S.	
		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.	NNW	A.-Cu.				A.-Cu.			
Ci.-S.						Ci.-S.		A.-Cu.		A.-Cu.	
Ci.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
				Ci.-S.		A.-S.		A.-S.		A.-S.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.					
Ci.										Ci.-S.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.	
Ci.		Ci.		Ci.		Ci.		Ci.-S.		Ci.-S.	
Ci.		Ci.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
A.-Cu.		A.-Cu.				Ci.-S.		A.-Cu.	ESE	Ci.-S.	
Ci.-S.		A.-Cu.		A.-Cu.		A.-Cu.		Ci.		Ci.	
Ci.	NE	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.-S.		A.-Cu.		Ci.-S.						Ci.-S.	
						Ci.-S.				Ci.-S.	
		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
		Ci.-S.		Ci.-S.				Ci.-S.		Ci.-S.	
Ci.		Ci.		Ci.				Ci.-S.		Ci.-S.	
Ci.	SE	Ci.		Ci.		Ci.		Ci.		Ci.	
Ci.								Ci.			
Ci.-S.	E	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
Ci.		Ci.-S.		Ci.-S.		Ci.-S.				Ci.-S.	
Ci.		Ci.		Ci.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.	NEbyE	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-Cu.	EbyS	Ci.-S.		Ci.-S.	

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Cu.-N.		Cu.-N.	N	Cu.-N.	N	Cu.-N.		Cu.		Cu.	
Cu.	NE	Cu.	NE	Cu.	NE	Cu.	ENE	Cu.	E	Cu.	
Cu.	ESE	Cu.		S.-Cu.	ENE	S.-Cu.	NEbyE	S.-Cu.	NEbyE	S.-Cu.	
S.-Cu.	E	S.-Cu.	E	S.-Cu.		S.-Cu.		Cu.-N.	E	S.-Cu.	
N.-cf.		Cu.	E	N.-cf.		Cu.-N.		N.-cf.	E	Cu.-N.	
Cu.-N.	E	Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.	
Cu.-N.		N.	SW	N.	E	N.	E	N.		N.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.-N.		Cu.-N.		Cu.-N.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		S.-Cu.		S.-Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.-N.		Cu.-N.	
Cu.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	SE	Cu.-N.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.	SE	Cu.	SE	Cu.	SE	Cu.-N.		Cu.	SE	Cu.-N.	
Cu.		Cu.	E	Cu.	E	Cu.-N.		Cu.-N.		Cu.-N.	
Cu.-N.	ESE	Cu.-N.	ESE	Cu.-N.		Cu.-N.		Cu.		S.-Cu.	
Cu.-N.		Cu.-N.		Cu.-N.	ESE	Cu.-N.		Cu.-N.		Cu.-N.	
Cu.	E	Cu.		Cu.-N.	E	Cu.-N.		Cu.-N.		Cu.-N.	
Cu.	EbyS	Cu.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.	
Cu.		Cu.-N.		Cu.-N.	ESE	Cu.-N.	SE	Cu.-N.		Cu.-N.	
Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.		S.-Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
Cu.		Cu.	E	Cu.	ESE	Cu.-N.	E	Cu.-N.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.-N.		Cu.-N.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.	
Cu.		Cu.		Cu.		Cu.-N.		Cu.-N.		Cu.-N.	
Cu.		Cu.	E	Cu.-N.	E	Cu.-N.		Cu.-N.		Cu.-N.	
Cu.		Cu.		Cu.-N.		Cu.		Cu.-N.		Cu.	
Cu.		Cu.		Cu.		Cu.		N.-cf.		N.-cf.	
Cu.-N.	EbyN	Cu.-N.		Cu.-N.		Cu.-N.		Cu.		Cu.-N.	

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	NE	0.5	Calm		ENE	0.5	NNE	1	NE	2	Calm	
2	NW	2	N	1.5	Calm		NE	1.5	Calm		N	0.5
3	Calm		Calm		Calm		Calm		NNE	.5	Calm	
4	Calm		ESE	.5	Calm		NNE	1	NNE	2	Calm	
5	NNE	1	ENE	1	Calm		NNE	.5	NNE	1	Calm	
6	ESE	.5	SSE	1	Calm		Calm		Calm		Calm	
7	NNW	2.5	N	5.5	NNE	.5	ENE	1	ESE	.5	SSE	1.5
8	Calm		Calm		Calm		SE	.5	NE	.5	Calm	
9	Calm		Calm		Calm		Calm		Calm		Calm	
10	SE	.5	Calm		N	2	N	.5	Calm		Calm	
11	Calm		N	1.5	NE	.5	NE	1	NE	1	Calm	
12	Calm		Calm		Calm		ENE	1.5	ENE	1	E	.5
13	Calm		NE	1	Calm		Calm		N	.5	Calm	
14	N	.5	NNE	.5	NNE	1	N	1	NNE	.5	Calm	
15	N	2.5	N	1.5	N	2	N	1.5	N	1	NNE	1.5
16	NW	1	NE	1.5	NE	2	NE	.5	N	.5	Calm	
17	NE	1	Calm		NE	.5	NE	.5	Calm		E	1
18	N	.5	NNW	.5	N	.5	N	1.5	N	2	Calm	
19	N	1	Calm		Calm		Calm		N	1	ENE	.5
20	SE	2.5	SE	2.5	NE	2	NE	1	N	1.5	Calm	
21	Calm		NE	.5	Calm		Calm		Calm		Calm	
22	N	2	NE	1	Calm		Calm		Calm		Calm	
23	NW	2	NNW	1.5	NNW	1.5	N	.5	Calm		NE	2
24	ENE	1	Calm		ENE	.5	E	1	Calm		Calm	
25	Calm		SE	.5	SE	.5	SE	1	NNE	1	ENE	1.5
26	Calm		ESE	.5	ESE	.5	Calm		NE	.5	Calm	
27	NE	3.5	Calm		Calm		N	2.5	N	1.5	Calm	
28	Calm		NE	1	NE	1	Calm		NE	1	Calm	
29	SE	1.5	SE	.5	SE	.5	Calm		Calm		Calm	
30	Calm		Calm		E	.5	E	.5	E	.5	Calm	
31	Calm		Calm		N	2	NE	.5	NE	1	NNE	1.5
Mean		0.8		0.8		0.6		0.7		0.7		0.8

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	ENE	2	ENE	0.5	Calm		Calm		SE	1.5	SE	1
2	WSW	1.5	SW	2	WSW	2.5	SSE	1.5	SE	2.5	NNE	1.5
3	WNW	5	W	2.5	W	4	SSW	1	SE	8.5	E	2.5
4	Calm		SSW	2	SSE	1.5	ESE	1.5	ESE	2	ENE	1
5	ESE	4	E	4	NNW	2	Calm		ESE	3	ESE	2.5
6	NNW	2	NNW	2.5	WNW	.5	Calm		E	1	SE	2.5
7	WNW	.5	W	4	NNE	4	E	1.5	ENE	2	Calm	
8	WNW	1.5	W	2	WSW	5	WSW	2	SW	5.5	SSW	5
9	W	2.5	W	4	SW	3.5	S	1.5	WSW	2	WSW	1
10	WNW	1.5	W	4	WNW	.5	ESE	.5	Calm		Calm	
11	W	3.5	NNW	4.5	NW	2.5	NW	1	ESE	1.5	ENE	.5
12	WNW	2.5	WSW	3.5	WSW	1.5	E	1	NE	1	ENE	1
13	SSE	3.5	SSE	7	SE	4.5	SE	1	SE	1	ESE	1.5
14	WNW	1.5	NW	3	NW	1	SE	4	SE	5	SSE	2.5
15	ESE	2.5	SE	2.5	Calm		Calm		NNW	1	ENE	3.5
16	ESE	4	ESE	4	E	2	ESE	3.5	SE	1.5	ESE	2
17	WSW	3	SE	3.5	SE	2	WNW	1.5	WSW	2	ESE	1.5
18	WSW	3	W	3.5	W	1.5	NE	4	SSW	2	Calm	
19	WNW	3.5	SSE	4	SSE	7	SSE	4	SE	3	NNE	1.5
20	SW	2	SE	1.5	SSW	5.5	SW	3	S	1	NE	.5
21	WbyN	5	SWbyW	2.5	WSW	4.5	SWbyW	8.5	SWbyW	5	SSW	2.5
22	NW	2.5	WNW	3	WSW	1	Calm		WSW	3.5	SSW	.5
23	WNW	4	WNW	3	WNW	3.5	WNW	1.5	Calm		Calm	
24	SSE	2.5	SSE	3.5	ESE	2	SE	3.5	SE	2.5	SSE	3
25	WSW	1.5	WSW	1	SSW	1	WSW	2	SbyW	5	S	7
26	W	6	W	6	SW	4.5	SW	5.5	WSW	3.5	SW	3
27	WSW	1	W	4	W	2.5	W	3.5	Calm		Calm	
28	W	4.5	WNW	2.5	W	2	SW	3.5	S	1.5	ENE	.5
29	W	2	SWbyW	4	SWbyW	7	WSW	5.5	WSW	6	W	4
30	WSW	2.5	WSW	3.5	WSW	5.5	WSW	5.5	WSW	3.5	NE	6
31	WNW	2	NNW	4	SSW	2.5	W	3	WNW	3	Calm	
Mean		2.7		3.3		2.8		2.4		2.6		1.9

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
NNE	3	Calm		NW	2	W	1.5	W	2	Calm	
N	1	Calm		Calm		S	1	W	2	WSW	3
Calm		Calm		WSW	.5	Calm		W	3.5	WSW	5
Calm		Calm		Calm		Calm		WbyN	2	WSW	3
Calm		Calm		Calm		SE	4.5	SE	6.5	SE	3.5
Calm		Calm		ESE	.5	SE	1	ESE	2.5	Calm	
SSE	1	SE	4.5	ESE	.5	Calm		NW	2.5	NE	2
Calm		NE	1	ESE	1	Calm		Calm		WbyS	3
Calm		SSE	.5	S	1.5	SW	.5	W	3	WbyS	3
Calm		Calm		Calm		SW	2	W	1.5	WbyS	3
Calm		Calm		ENE	1	WSW	3	WNW	4	WNW	2
Calm		Calm		W	2	NW	2.5	WNW	2.5	W	3
NE	1.5	Calm		ENE	2	WSW	3	SSE	3.5	SE	3
NE	1.5	ESE	.5	S	2	WSW	2.5	WSW	2.5	WSW	4
Calm		SE	1.5	SE	1.5	WSW	2.5	S	1.5	Calm	
Calm		NE	1	ESE	1.5	ESE	1.5	SSW	1.5	ESE	2
Calm		NE	1.5	NNE	.5	NW	1.5	WNW	2	WSW	.5
NNE	.5	Calm		ENE	1.5	W	1.5	WSW	3.5	WSW	2
ENE	1	Calm		ESE	2	WNW	2	W	2.5	W	2
Calm		Calm		W	2.5	W	1.5	SW	1.5	W	2
NNE	.5	NE	1.5	SE	1.5	SW	1.5	WSW	2.5	WNW	2.5
Calm		Calm		SSW	1.5	WSW	2.5	WNW	1.5	NW	2
Calm		Calm		Calm		WNW	2	NW	4.5	WNW	2.5
ENE	.5	Calm		Calm		Calm		SSE	1.5	SSE	3
ENE	1	ESE	1.5	SSW	1.5	WSW	1.5	WSW	2.5	SSW	1.5
Calm		ESE	.5	SSW	1.5	SW	2.5	W	2	WNW	1.5
Calm		Calm		WNW	.5	W	2.5	WbyN	2	W	1.5
Calm		NW	1.5	WNW	2	W	2.5	W	4	WNW	3
Calm		SSE	1.5	SSW	2.5	SW	1.5	W	2	WSW	3
Calm		Calm		Calm		SW	1.5	WSW	1.5	WSW	3
NE	1.5	Calm		NW	1	W	3	Calm		WNW	2
	0.4		0.5		1.1		1.7		2.4		2.3

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		Midnight.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Force.
SE	3	SE	2.5	SE	2	NE	2	ENE	2	Calm		1.2
E	1.5	E	1.5	Calm		SE	1.5	Calm		Calm		1.2
SE	1.5	ESE	2.5	SE	2.5	SE	1.5	ESE	1.5	Calm		1.8
ENE	1	Calm		Calm		Calm		N	1	Calm		.8
SSW	1.5	SE	2	SE	2.5	SE	1.5	SE	.5	ESE	0.5	1.8
SSE	2	SSE	1.5	S	1	S	2.5	Calm		Calm		.9
N	1.5	Calm		NE	1.5	Calm		E	.5	Calm		1.6
SW	2	SW	2	SSW	.5	SSE	.5	Calm		Calm		1.3
WSW	2	WSW	1	NE	.5	Calm		Calm		Calm		1.1
Calm		Calm		Calm		Calm		N	.5	Calm		.7
SSE	.5	NE	2	NNE	2	Calm		NE	1	Calm		1.4
Calm		NNW	4.5	WNW	.5	WNW	2	Calm		Calm		1.3
Calm		SE	.5	SE	1	SE	.5	SE	.5	NE	.5	1.5
SE	1	SE	1	NNE	1.5	NNE	1	N	2	N	4	1.8
NE	3	E	.5	Calm		N	1	N	3	NW	4	1.6
ESE	1.5	SE	1	SE	.5	E	1	NE	.5	NE	.5	1.5
SE	1	E	.5	Calm		Calm		NNE	5.5	N	3	1.4
S	1	Calm		SE	.5	NE	2	NE	1	NE	1	1.4
Calm		SE	1	E	2	ESE	1.5	E	1.5	SE	2.5	1.8
Calm		ESE	1	SE	.5	Calm		Calm		Calm		1.3
SE	2	SE	2.5	E	1.5	Calm		NE	1	Calm		1.9
S	2	S	1	NW	3.5	NE	3	E	1	NW	.5	1.3
Calm		SSE	.5	Calm		Calm		Calm		ENE	1	1.2
SW	3.5	SW	4.5	SW	3.5	SSW	2	SSW	1	Calm		1.6
S	2.5	S	1.5	ESE	1	ESE	1	ENE	1	Calm		1.6
SSW	3.5	S	2	SSE	1.5	NE	3	NE	3.5	N	4	2.3
SE	1	Calm		ENE	.5	NE	1	Calm		Calm		1.1
NE	1.5	E	1	ESE	.5	SE	1	SE	1.5	SSE	1.5	1.6
WSW	3	NNE	1	Calm		Calm		Calm		Calm		1.9
NE	1	E	1.5	NE	.5	NE	1	NE	.5	N	.5	1.6
SSW	1	SE	1.5	SE	4	ESE	3	Calm		Calm		1.5
	1.5		1.4		1.1		1.1		1		0.8	1.5

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	1	3	2	1	5	3.5	4.5	**10**	6	7.5	9	9
2	1.5	4	2.5	2.5	1	.5	5	3	3.5	6	9	**10**
3	0	.5	1	.5	1.5	.5	2	3.5	3.5	7	12	13.5
4	0	2	3.5	2	6	2	3	2.5	3	7	8	**12.5**
5	2	3	1.5	2.5	3.5	2	2.5	1	4.5	12.5	16	16
6	2	3.5	.5	1	2.5	1.5	.5	1.5	4.5	7	10	7
7	3.5	**20.5**	6	4	3	5.5	6.5	6	7	6	10.5	12.5
8	3	1	1.5	3.5	3.5	.5	2	4	4.5	4.5	3.5	11.5
9	3	.5	.5	1	3	1.5	.5	2	6	6	10	9.5
10	2	1	4.5	4	2.5	1.5	2	2	3.5	7.5	11	12
11	0	4	5.5	4.5	3	2	4	2	3.5	7.5	12	13
12	1	.5	1	4.5	5.5	3.5	2	.5	5.5	9	**17**	10.5
13	.5	2.5	.5	2	1	3	6	3	2	5	10	10.5
14	4	3	4.5	4.5	3	3.5	6	4	4.5	9	10.5	13.5
15	**12**	8.5	7.5	11	6	6	7	3	4	7	8.5	8
16	10.5	8	10	7	2	1.5	4	3	2.5	2	4.5	10.5
17	2	1	.5	2.5	1	3	2	8	8	4	**13**	9
18	3.5	5.5	3	5	7	6	1.5	1	1.5	6	11	10
19	3	3	0	1	3	4	4	3	2	8	**16**	10.5
20	7.5	6	5	4.5	1.5	2.5	1	.5	7.5	9.5	12.5	10
21	1	1.5	1.5	1.5	1	2	3.5	4	2.5	6	8.5	16
22	4	4.5	1.5	.5	.5	1	.5	1.5	2.5	7.5	11	14
23	6	6	5	4	1.5	3.5	3	3.5	3	6	17.5	16.5
24	2.5	3	1	3.5	2	2	3.5	4.5	3.5	2.5	10	9
25	1.5	1.5	2.5	3	3.5	3.5	2	2	1	5	10.5	10.5
26	2.5	2	2.5	2.5	3	2	1	2.5	3.5	7.5	11	9
27	9	6.5	.5	3	5	6	2.5	2	6	8	13	11.5
28	2	4	4	3	4	1.5	0	2.5	9.5	7.5	13.5	13
29	6	3.5	3.5	1.5	2.5	1.5	1.5	2	3.5	5	8	9.5
30	.5	1	2	4.5	3	2.5	.5	1	2	4.5	11.5	10
31	1	.5	3.5	2.5	3.5	5	5	6	4	10	6	5
Mean	3.2	3.7	2.9	3.2	3	**2.7**	2.9	3.1	4.1	6.7	10.8	11.1

AMOUNT OF CLOUDS (0-10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	3	6	6	7	6	7	9	9	9	9	9	9	7.4	4 35
2	9	9	9	6	5	5	4	5	8	8	9	8	7.1	6 15
3	9	4	3	4	6	6	4	4	8	8	8	7	5.9	7 20
4	3	3	5	7	8	10	10	10	9	10	10	8	7.8	3 10
5	9	7	7	8	9	8	8	6	7	9	9	10	8.1	6 15
6	5	8	7	8	10	9	8	9	8	8	9	9	8.2	5 35
7	9	6	4	7	**7**	9	10	10	10	10	10	10	8.5	4 40
8	7	4	6	3	5	4	**3**	3	4	4	5	7	4.6	9 15
9	5	4	4	4	3	4	4	5	5	9	9	9	5.4	9 15
10	4	5	5	3	3	5	4	6	8	8	9	10	5.8	5 30
11	2	2	2	3	2	4	7	8	8	9	9	8	5.3	7 35
12	8	7	8	6	6	6	4	6	8	10	9	10	7.3	7 05
13	3	4	3	8	10	8	8	7	9	9	8	8	7.1	9 05
14	7	8	6	6	**6**	6	8	7	8	8	9	10	7.4	8 00
15	7	1	4	4	6	7	5	5	4	7	7	8	5.4	8 10
16	10	10	10	10	9	8	9	9	9	10	9	9	**9.3**	**2 35**
17	9	8	**9**	**6**	6	4	4	5	6	7	7	9	6.7	8 05
18	5	4	4	6	5	5	3	4	9	10	9	9	6.1	7 50
19	2	4	6	7	7	6	5	4	7	7	7	6	5.7	8 15
20	2	2	2	2	4	4	4	4	6	8	9	9	4.7	8 45
21	3	5	7	6	4	4	4	7	8	8	9	9	6.2	6 45
22	6	6	7	7	7	7	4	5	5	5	7	8	6.2	7 25
23	8	8	7	6	6	5	6	5	7	10	10	10	7.3	7 20
24	3	3	2	5	6	4	4	4	4	4	4	5	**4**	**10 15**
25	7	6	7	9	7	7	4	2	4	3	4	3	5.2	9 05
26	6	5	7	8	8	5	4	5	6	6	8	9	6.4	9 00
27	7	2	4	6	5	6	4	5	8	9	10	10	6.3	7 15
28	6	7	7	6	7	6	6	5	6	8	10	7	6.8	7 00
29	7	4	5	4	3	5	6	6	7	7	7	7	5.7	7 35
30	6	7	8	8	7	7	7	7	7	8	9	10	7.6	7 55
31	6	7	8	9	10	9	8	10	9	8	6	9	8.2	3 50
Total														220 40
Mean	5.9	**5.4**	5.8	6.1	6.2	6.1	5.7	6	7.1	7.9	8.2	**8.4**	6.6	7 07

OBSERVATIONS FOR MAY, 1911.

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon 1-p.	1-2 p.	2-3 p.	3-4 p.	4-5 p.	5-6 p.	6-7 p.	7-8 p.	8-9 p.	9-10 p.	10-11 p.	11-Mdt.	Mean.
9	5	7	5.5	6.5	8	6	6	5.5	2	2	1	5.2
9.5	**10**	9	4.5	5	7	3.5	5.5	2	3.5	2.5	1	4.6
16.5	13	14	6.5	13	12.5	7	8	9	8	5	1	6.6
7.5	7.5	6	4.5	6	2.5	2.5	2	2.5	1	1.5	3	**4.1**
15.5	**16.5**	9	4	9	12	11	4.5	8	8	4.5	3.5	7.2
12	**17**	3	1	7.5	10.5	9	7.5	7.5	7.5	5.5	.5	5.4
4	16	7	7.5	12.5	7	5	4.5	6.5	3	5	3	7.2
8	11	9	13	17	**21**	14.5	11.5	7.5	1	3.5	2	6.8
10.5	15	15	**17**	14	16	10	15	7	4.5	.5	.5	7
13	**16**	11	3.5	6.5	4	1.5	2.5	4	2	4	1	5.1
13	**14**	11.5	7.5	2.5	7.5	2	6	8.5	2.5	5	2	6
13.5	11	8	8	5	4	2	7	8	10	4	1.5	5.9
16	**19**	13.5	13.5	13.5	8.5	4	2.5	6	6	3.5	3.5	6.5
13.5	13	10.5	8.5	**16**	15	7	3	6	5	3.5	10.5	7.6
8.5	7	7	6	4	7	11	2.5	0	2	7	11	6.7
15	**18**	10.5	9.5	7	8.5	6.5	6	2	4	3	3	6.6
10	7	10	10	9	10	4.5	4	1	.5	7	12	5.8
10	10	8.5	**14.5**	8	3.5	7.5	4	4.5	3.5	5.5	2.5	6
13	8.5	15	12	9.5	3.5	1.5	2.5	5	6	6	5.5	6.1
10.5	8	13	**17.5**	6	6	4	3	4	2	.5	1.5	6
17.5	12.5	15	19	**21**	14	7	6	5	4	2.5	2	7.3
12	11	7.5	4	9	10.5	8	6	8	**18**	5	3.5	6.3
18	14	14	10	6.5	3	2.5	1	2	3	1	3	6.4
15	12	9	8.5	8.5	12	14	**16**	15.5	10.5	6	3.5	7.4
10	9	7.5	9.5	16	**17.5**	12.5	10.5	4.5	3	3	3	6.4
13	16	**19**	18	17	14	10.5	9.5	2	5	8.5	9	7.9
10.5	**17**	14	10.5	2.5	2	7	13	2	4	6	2	6.8
16	14	15	12	6	6.5	3	2.5	3	3	3	6	6.4
12	16	22	24	**25**	19	14	6	2	2	1.5	.5	**8**
13	16	**20**	**20**	16	16	8	4.5	3.5	2	3	1	6.9
9	**20**	13.5	9.5	12.5	1	2	4.5	6.5	12.5	4.5	3.5	6.3
12.1	**12.9**	11.4	10.3	10.2	9.3	6.7	6	5.1	4.8	4	3.4	6.4

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1		2	3	4			5						2		1		7	125	1.8	0.8
2	3	1	1		2		2	1	1	1		3	1		1		7	111.5	4	
3		1			1	2	4				1	2	3				9	159	4.8	
4	1	2		2		3		1		1	1	1		1			12	98	2.3	1.1
5		3		1	1	4	7			1				1		1	6	172.5	3.1	3
6					1	3	2	3	2					1	1	2	10	130	2.8	
7	2	2	2	2	2	2	1	2		2	3	2	1	1	1	1	5	172	1.2	89.9
8			2			1	1	1	2		2	4	2	1			9	162	3.8	
9			1					1			1		3				10	168.5	4.1	
10	3					1	1							2			13	122.5	3.2	
11	1	1	5	2				1				1	1	2	2	1	6	143	3.7	
12			1	3	2	1						2	2	4	1	1	8	142.5	3.3	
13	1		3	1		1	8	3				1					6	155.5	4.6	
14	4	5	1			1	4	1	1			3		1	2		1	181.5	4.1	
15	7	1	1	1	1	1	3		1			1			1	1	5	161.5	4.2	
16	1		6		2	8	3			1				2	1		2	158.5	2.3	1
17	1	2	4		2	1	3					3				1	5	139	3.2	13.5
18	4	1	4	1			1		1	1		3	3				4	143	3.5	.3
19	2	1		2	2	2	3	3					2	2			5	145.5	4.2	
20	1		3			1	4		1	1	3		3				7	144	4.3	
21		1	3		1		3			1	1	5		2			7	174.5	4.3	
22	1		2		1				2	2		3		2	4		7	151.5	3.9	
23	1		1	1				1						6	2	2	10	153.5	3.7	
24				3	1	1	2	5		2	3						7	177.5	5.8	
25		1		3		3	3			4		5					2	152.5	5.1	
26	1		3					1	3	2	4	1	3	1			4	190.5	4.6	
27	2		2	1		1	1					1	5	2			10	163.5	3.7	
28			4	1	1	1	2	1	1		1	1	5	3	1		4	154.5	3.9	
29		1					3	1			1	6	4				8	192	4.2	
30	1		5		4					1	1	7	3				6	166	4.1	
31	1	1	3			1	2			2			2	3	1	1	7	151	1.5	22.4
Total	38	26	60	28	24	41	68	26	16	22	21	54	44	37	19	11	209	4,762	113.3	132
Mean	1.2	0.8	1.9	0.9	0.8	1.3	2.2	0.8	0.5	0.7	0.7	1.7	1.4	1.2	0.6	**0.4**	**6.7**	153.6	3.7	4.3

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°C.		*Per cent.*	*mm.*	*mm.*		°C.		*Per cent.*	*mm.*
1	760.60	8.45a.	**31.4**	11.40a.	92	23.7	757.75	4.50p.	23.7	3.50a.	**70**	19.7
2	60.35	8.20a.	33.2	4.20p.	93	23.1	56.59	4.00p.	24.2	12 m.n.	62	18.3
3	59.69	9.00a.	33.2	2.55p.	88	**22**	56.80	4.40p.	23	4.10a.	62	18
4	60.85	10.30p.	**31.4**	0.25p.	97	22.1	**58.55**	3.45a.	22.3	5.40a.	61	17.9
5	**61.55**	8.35a.	34.3	1.50p.	97	22.9	58.45	3.25p.	22.9	4.55a.	57	18.7
6	60.80	0.40a.	32.5	0.15p.	90	23.5	57.75	4.25p.	23	5.15a.	65	18.3
7	60.90	8.00p.	31.8	10.25a.	**99**	24.2	58.45	4.15a.	22.3	12 m.n.	65	19.6
8	60.05	7.35a.	32.5	3.50p.	**99**	22.6	57.35	3.00p.	**21.7**	5.40a.	59	19
9	60.40	9.15a.	33.5	0.40p.	94	22.8	57.65	3.45p.	22.7	5.30a.	53	18.6
10	60.35	9.15a.	32.7	1.40p.	96	22.1	57.95	2.30p.	23.5	5.45a.	59	19.7
11	60.20	9.15a.	33.5	3.10p.	89	22.2	56.95	3.45p.	22.2	5.45a.	62	17.8
12	59.85	10.30p.	33.2	2.25p.	89	22.5	56.80	2.45p.	23	5.00a.	65	18.5
13	59.75	8.30a.	34.2	1.35p.	93	23.2	56.40	3.15p.	23.2	5.55a.	58	19.4
14	59.70	11.15p.	34.8	3.55p.	91	24.8	56.20	3.55p.	23.3	5.15a.	57	18.5
15	59.90	11.20p.	34.5	3.25p.	91	23.4	56.10	3.15p.	22.9	4.45a.	54.5	18.7
16	60	8.35a.	33	1.25p.	95	22.4	57.10	4.05p.	23.7	12 m.n.	64	19.3
17	59.30	8.50a.	34.4	2.40p.	95	22.5	56.20	3.05p.	22.1	5.20a.	56	18.4
18	58.65	0.05a.	33.7	2.50p.	94	23.6	55.35	2.55p.	23.3	5.00a.	64	19.5
19	58.50	10.40p.	34.4	2.25p.	89	22.8	55.25	3.15p.	22.8	5.30a.	52.5	18.3
20	59.20	10.45p.	34.7	2.50p.	91	22.8	56.25	3.30p.	21.9	5.05a.	55	17.9
21	59.35	9.40p.	33.7	1.45p.	93	22.1	55.90	3.10p.	23.5	5.30a.	59.5	19.7
22	59.40	10.15p.	34.3	2.15p.	93	24.2	55.60	3.10p.	23.7	5.20a.	63	19.8
23	58.50	0.05a.	34.5	3.05p.	96	24.5	55	3.30p.	23.8	4.55a.	60	**20.3**
24	58.60	10.30p.	34.8	3.25p.	97	**22**	**54.90**	4.30p.	22.8	5.30a.	**47**	18.5
25	59.20	11.00p.	**35**	3.25p.	87	24.3	55.50	3.50p.	23.9	5.30a.	52	**17.5**
26	59.95	11.00p.	33.8	3.05p.	**86**	23.9	56.55	3.35p.	24.2	5.35a.	58	19.1
27	59.70	0.05a.	34.2	2.40p.	91	23.9	56.10	3.20p.	**24.5**	5.00a.	60	20
28	58.90	0.05a.	34.3	3.05p.	94	24.1	55.81	5.00p.	23.5	5.30a.	60	19.4
29	**58.05**	9.20a.	33.6	2.20p.	87	**25**	55.55	3.30p.	24.4	5.30a.	67	20
30	58.80	9.40p.	34	3.25p.	92	24.6	55.85	3.55p.	24.1	12 m.n.	63	19.3
31	60.10	9.05p.	32.8	9.05a.	92	24.8	57.45	2.40a.	23.5	5.15a.	**70**	19.7
Mean	759.71	-------	33.6	-------	92.6	23.3	756.58	-------	23.2	-------	60	18.9

DAILY GENERAL REMARKS.

1---◠° 6 a.; ◹ NE quadrant, p in the afternoon.
2---d° 6.43 a.; p° 2.36 p.
3---Coloration of clouds at sunrise; p° 3.15 p.
4---◹ SE quadrant, ● in the afternoon.
5---p° in the morning; ⊤°, ◠ in the afternoon; ● in the evening.
6---◹ various points, ●° in the afternoon.
7---Heavy thundershowers in the afternoon and evening.
8---Light Wly breeze in the afternoon.
9---◹° SSW in the afternoon.
10---◹° NE and W quadrants in the afternoon.
11---◹° NE quadrant in the afternoon.
12---◹ NE quadrant in the afternoon.
13---⌓² a.; ◹ NW quadrant in the afternoon.
14---Convergence of Ci. toward ESE, ◹ NE quadrant in the afternoon.
15---◹° NE quadrant in the afternoon.
16---d° in the morning; ◹° NE quadrant, ● in the afternoon; coloration of clouds at sunset.
17---◹° various points, ● in the afternoon.
18---●° in the early morning; ◹ NNE, ⊤° S in the afternoon.
19---Slight coloration of clouds at sunset.
20---◹° NE quadrant and SW by S, ●° in the afternoon.
21---⌓, convergence of Ci. toward E in the morning; ◹° E in the afternoon.
22---◹ various points in the afternoon.
23---◹ E in the afternoon.
24---⊕ in the afternoon.
25---◹ S in the afternoon.
26---◠ in the afternoon.
27---◹° E quadrant in the afternoon.
28---◹ NE quadrant in the afternoon.
29---Light to gentle WSW breeze in the afternoon.
30---○ in the morning; convergence of Ci. toward E, ◹ NE, d° in the afternoon.
31---p° 10.10a.; heavy thundershowers in the afternoon; ● at night.

OBSERVATIONS FOR JUNE, 1911.

ATMOSPHERIC PRESSURE, 700mm+

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	59.10	59.20	58.75	58.60	58.35	58.49	58.74	58.82	58.90	58.91	58.84	58.67
2	59.25	59.40	58.65	58.80	59.10	59.36	59.70	59.93	60.27	**60.46**	59.91	59.58
3	59.10	58.95	58.95	58.95	59.05	59.45	59.96	60.27	60.15	60.41	60.09	59.46
4	60.10	59.60	59.40	59.40	59.35	59.70	59.93	60	**60.37**	60.03	59.97	59.79
5	59.65	59.45	59.30	59.35	59.30	59.83	59.90	60	60.08	59.66	59.37	58.81
6	**59.60**	59.15	59	58.80	58.90	59.25	59.57	59.57	59.47	59.02	58.42	57.86
7	58.90	58.50	58.40	58.20	58.40	58.68	58.83	58.87	58.71	58.51	58.44	58.18
8	58.50	58.35	58.35	58	57.80	58.05	58.23	58.70	58.88	58.69	58.48	57.87
9	58.45	58.20	58.05	58.25	58.40	58.44	58.99	59.32	59.52	59.29	59.15	58.84
10	59.75	59.50	59.70	59.50	59.60	59.90	60.39	60.61	**60.66**	60.60	60.14	59.80
11	59.60	59.45	59.30	59.25	59.30	59.31	59.78	59.92	**60.22**	59.99	59.56	59.12
12	58.80	58.50	58.45	58.50	58.50	58.76	59.30	59.22	**59.34**	59.31	58.87	58.49
13	58.20	57.80	57.60	57.60	57.75	58.53	58.58	58.83	59.29	59.29	58.92	58.47
14	59.50	59.15	59.25	59.50	59.60	59.92	60.09	60	60.20	60.41	**60.54**	60.02
15	59.85	59.60	59.45	59.25	59.20	59.59	59.90	60.02	60.07	**60.12**	59.86	59.49
16	58.50	58.35	58.40	57.90	57.90	57.74	58.04	58.42	58.42	**58.54**	58.09	58.07
17	56.35	55.45	55.55	55.35	55.50	55.82	56.27	56.20	**56.50**	56.28	56.42	55.94
18	54.60	54.60	54.65	54.45	54.65	54.64	54.90	55.16	55.49	55.35	55.23	54.89
19	56.05	55.70	55.45	**55.25**	55.30	55.54	56.08	56.31	56.50	56.40	56.44	56.40
20	57.10	56.95	56.75	56.55	56.60	56.84	56.77	57.59	57.32	57.25	57.24	57.24
21	58.55	58.55	58.80	58.75	58.75	58.93	58.98	59.04	58.80	58.74	**58.53**	58.77
22	59.65	59.65	59.75	59.80	60.10	60.42	60.92	61.02	61.22	60.99	60.63	60.28
23	60.80	60.55	60.55	60.55	60.65	60.99	61.04	61.07	**61.28**	61.02	60.84	60.53
24	**60.30**	59.75	59.30	59.20	59.20	59.49	59.75	59.80	59.86	59.74	59.42	58.98
25	58.05	57.45	57.15	57	57.05	57.40	57.80	58.14	**58.40**	58.09	58.07	57.57
26	57.40	57.20	57	57	57.20	57.64	57.80	57.96	57.94	**58.02**	57.59	57.09
27	57.15	56.55	56.45	56.45	56.55	56.87	57.05	57.36	57.62	57.73	57.43	57.14
28	58.35	57.85	57.80	57.70	57.70	57.78	58.01	58.33	58.52	58.49	58.29	57.96
29	**58.10**	57.70	57.40	57.45	57.55	57.69	57.84	57.97	57.79	57.72	57.62	57.04
30	56.25	55.75	55.85	55.90	56.05	56.28	56.32	**56.60**	56.40	56.04	55.68	55.14
Mean.	58.52	58.23	58.12	58.04	58.11	58.38	58.65	58.84	58.94	58.84	58.60	58.25

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	25.5	25.5	25.3	24.8	**24.6**	24.8	26.6	28.9	**30**	29.5	29.5	29.9
2	25	25	24.5	24.3	**24.2**	24.5	25.5	27.3	28.1	29.8	31.2	31.1
3	24.3	24	23.7	23	**22.9**	23	26	29	29.5	30.2	31.6	**32.1**
4	23.7	23.3	22.9	22.8	**22.6**	22.7	26.7	29.7	29.8	30.2	30.1	30.1
5	24.4	24	23.6	22.9	**22.8**	23.3	26.9	29.1	29.5	31.3	**31.5**	31.2
6	24	23.8	23.7	**23.6**	**23.6**	**23.6**	26.2	26.6	30	31.3	32.7	**33.5**
7	25.1	24.7	24.3	24	**23.6**	23.9	26.4	29.2	30.1	**31.1**	30.2	29.8
8	23.9	23.2	23.2	23.1	**22.9**	23.3	26	28.3	30	30.2	30.6	31.5
9	25.6	25.1	25.1	25.4	25.2	**24.8**	26	27	28.4	30.1	31.4	32.9
10	24.4	24.1	23.7	23.5	**23.3**	23.4	26.6	29	30.2	29.9	30.7	32.3
11	24	24	23.5	23.4	**23**	**23**	25	28.4	30.4	**30.7**	**30.7**	28.5
12	24.3	23.9	23.7	23.4	**23.2**	23.3	26.1	28.6	29.9	29.5	31	30.4
13	24.7	23.9	23.7	23.3	**23.2**	23.3	25.3	26.9	28.5	29.2	30.2	30.4
14	24.3	24.3	**23.9**	**23.9**	**23.9**	24.1	27.6	29.1	30.5	29.5	28.1	30.4
15	23.9	23.9	23.7	23.6	**23.4**	24.1	25.7	28.4	29.8	30.5	30.3	28.6
16	26.6	26.6	25.3	25.2	25.8	26.5	26.8	27.5	27.9	27.9	27.9	28.6
17	26.1	25.6	26.8	26	**25.3**	25.6	26	26.9	27.8	27.3	28.7	29
18	25.8	25.4	25.7	24.8	25	**24.5**	25.1	25.7	27.7	28.3	30	30.2
19	24.8	24.3	24.5	**24.2**	24.3	24.8	26.2	27	28.4	29.8	**30.3**	25.5
20	25.1	24.5	24	23.4	**23.3**	23.4	24.4	25.5	26.5	28.3	**29.8**	**29.8**
21	24.6	24.6	25.6	25.6	25.5	25	25.5	26.3	28.1	29.2	30.1	**31.3**
22	23.5	22.8	22.6	22.2	**22.1**	22.3	26	28.6	29.4	29.6	31.6	31.7
23	25.3	24.7	24	23.7	**23.6**	23.8	27.2	28.4	29.6	30	30.7	31.1
24	25.4	25	24.8	24.5	**24.1**	24.5	26.7	28.6	30.1	30.2	30.7	30.8
25	25.9	26	25.8	25.2	**24.8**	**24.8**	27.3	29	30.8	30.5	30.7	31
26	25.5	25.5	24.7	24.1	**24**	**24**	26.1	28.2	29.1	29.4	29.8	30.3
27	25.9	25.9	25.4	25	25.2	26	27	28.5	30.4	30.4	31.1	31.2
28	25.2	24.1	23.9	23.9	23.9	**23.8**	25.2	27	29.6	29.6	29.7	30.2
29	23.4	23.3	23	22.9	**22.8**	23	26.2	28.4	30.2	29.8	29.9	30.6
30	24.1	23.6	23.5	23.5	**23.3**	23.4	24.7	26	29.4	29.2	29.7	29.9
Mean.	24.8	24.5	24.3	24	**23.8**	24	26.1	27.9	29.3	29.8	30.4	**30.5**

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
58.14	58.14	57.78	**57.58**	58.07	58.23	58.75	58.90	59.25	59.75	**60**	59.50	58.73
58.98	58.66	58.48	**58.08**	58.25	58.58	58.60	58.85	59.35	59.75	59.55	59.35	59.20
58.89	58.66	**58.52**	58.55	58.60	58.69	59	59.75	60.20	60.60	**60.90**	60.45	59.48
59.25	58.57	58.05	**57.97**	58.26	58.52	59	59.50	59.95	60.25	60.20	59.90	59.46
58.35	58	**57.55**	57.64	57.91	58.12	58.90	59.75	60.10	**60.30**	60.10	59.60	59.21
57.47	57.15	56.89	**56.81**	57.35	57.61	58.05	58.60	58.90	59.30	59.50	59.10	58.56
57.57	57.16	57.11	**56.88**	56.98	57.37	57.80	58.50	58.95	**59.20**	**59.20**	59.05	58.27
57.33	56.93	56.45	**56.29**	56.39	56.81	57.45	57.95	58.45	**58.90**	**58.90**	58.80	57.94
58.32	57.91	57.79	**57.52**	57.88	58.16	58.85	59.60	59.80	**60.35**	**60.35**	60	58.81
59.11	58.66	**58.10**	58.35	58.33	58.61	59.05	59.60	59.95	60.30	60.15	59.80	59.59
59.26	58.99	58.27	58.30	**57.95**	57.97	58.40	58.90	59.20	59.45	59.55	59.20	59.18
57.95	57.27	57.12	**56.90**	57.01	57.33	57.60	57.90	58.40	58.50	58.50	58.40	58.29
57.79	**57.21**	57.28	57.62	57.49	57.82	58.05	58.60	59.15	59.60	**59.95**	59.90	58.39
59.73	59.01	58.67	**58.20**	58.35	58.70	58.95	59.30	59.95	59.95	60.20	60.10	59.55
58.91	58.61	58.19	57.71	**57.55**	57.59	58.35	58.85	59.20	59.25	59.25	59.05	59.12
57.51	56.72	56.42	56.11	**56.03**	56.22	56.46	57.25	56.90	57.40	57.30	56.70	57.47
55.34	54.91	54.76	**53.87**	54.04	54.67	55.15	55.70	56.15	55.60	55.65	55.40	55.54
54.64	53.79	**53.52**	53.83	54.37	54.97	55.15	55.45	56	56.55	**56.75**	56.50	**55.01**
56.29	55.83	55.49	55.34	55.63	56.09	56.61	56.90	57.25	57.40	**57.55**	57.50	56.22
56.47	56.69	56.12	**55.99**	56.24	56.91	**57.15**	57.50	57.95	58.40	**58.75**	58.30	57.11
58.94	59.06	58.77	58.57	58.87	59.06	58.94	59	59.40	59.55	**59.65**	**59.65**	58.94
59.96	59.47	59.37	**59.24**	59.41	59.96	60.63	61	61.10	61.40	**61.45**	61.05	**60.35**
59.96	59.61	58.96	**58.58**	58.85	59.27	60.02	60.25	60.60	60.35	60.90	60.65	**60.35**
58.35	57.69	**56.95**	57.42	57.17	57.40	57.95	58.30	58.60	58.65	58.65	58.40	58.76
57	56.41	56	**55.54**	55.58	56.31	56.77	57.30	57.45	57.75	57.85	57.70	57.24
56.78	56.34	56.02	**55.94**	55.99	56.40	56.68	57.10	57.30	57.60	57.80	57.55	57.14
56.74	56.32	**56.21**	56.45	56.55	57.31	57.55	58.60	59.05	**59.25**	59.15	58.80	57.35
57.37	56.87	**56.55**	56.59	56.57	57.15	57.56	57.85	58.55	**58.65**	**58.65**	58.50	57.82
56.45	56.02	**55.73**	55.97	56.52	56.40	56.60	56.95	56.95	56.95	56.95	56.80	57.09
54.59	54.08	54.07	53.91	**53.82**	53.98	54.58	54.35	54.85	55.35	55.10	54.70	55.24
57.78	57.36	57.04	**56.92**	57.07	57.41	57.82	58.27	58.63	58.89	**58.95**	58.68	58.18

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
29.4	28.3	28.9	26	26.5	26.2	25.9	25.8	25.9	25.6	25.5	25.2	26.8
31.1	**31.8**	30.7	30.5	30	28.9	27.3	26.3	25.9	25.7	25	24.7	27.4
31.7	30	29	28.7	26.6	26.4	25.6	25	24.8	24.6	24.4	24	26.7
32.1	31	32	**32.5**	30.9	29	27.3	26.9	26	26	25.4	25	27.4
31.2	30.3	30.6	30.7	30.3	28.7	26.9	25.9	25.6	25	24.7	24.4	27.3
33	32.8	32.8	31.6	31.4	29.5	28.2	27.2	27.4	26.2	25.6	25	28.1
30.2	29.8	30	29.5	29.1	26.7	25.9	25.4	25.1	24.9	23.9	24.3	27
31.5	**32.8**	30.9	32.3	31	29.8	28.5	27.7	27.2	26.9	26.3	26	27.8
33	31.2	31.1	28.7	28.3	27.8	26.9	26.4	26.4	25.7	25.2	**24.8**	27.6
32	33	**33.1**	27.6	27.1	26.3	25.6	25.1	25.3	25.1	24.7	24.2	27.1
25.1	26	26.6	27.8	27.9	27.3	26.2	26.1	25.5	25.2	24.8	24.4	26.1
31.6	29.7	30.5	30.1	29.4	28.6	27.5	26.8	26	25.8	25.8	25.6	27.3
30	**31.4**	30.8	29	29	27.7	26.7	26.6	25.9	25.3	24.9	24.8	26.9
29	29.7	30.5	**30.6**	29.7	27.8	27.2	27	26	25	24.8	24	27.1
29.3	**30.7**	**30.7**	**30.7**	29.9	28.2	27.9	27.4	27.3	26.8	25.5	26.6	27.4
29.9	29	29	29.4	**30.3**	27.8	27.4	26.6	25.9	25.7	25.2	**25.1**	27.2
29.5	29	28.8	28.4	27	26.5	27.2	26.3	26.8	26.7	26.4	26.3	27.1
30.4	**30.8**	28	26.5	26.3	26	25.5	25.3	25.1	25.3	24.7	24.6	26.5
26.7	27	27.1	26.5	25.7	25.1	25.1	24.7	24.5	24.7	24.7	25	**25.9**
29.2	27.7	27.9	29	28.4	27.5	26.1	25.7	25.5	25	24.9	24.9	26.2
29.5	28.1	27.8	28	27.7	26.8	25.8	25.1	24.6	24.5	24.3	**23.9**	26.6
31.9	**32.6**	31.8	31.7	31.2	29.2	28.5	28.3	28	27.7	27.2	26.2	27.8
31.1	**32.1**	31.4	31	30.5	28.7	28.3	28.2	28.2	27.5	26.2	26	28
31.2	**31.7**	30.7	29.1	29	28.7	28.5	28.4	28.1	27.9	26.6	25.4	27.9
31.5	31.6	**31.7**	31.6	30.4	29.6	28.5	28	27.5	27	27.7	26.9	**28.5**
30.8	29.9	**31.2**	30.2	29.8	28.7	28.4	28.1	28.1	27.9	27.7	26.3	27.8
31.1	**31.5**	30.8	30.5	28.8	28.2	26.1	24.4	23.8	**23.4**	23.7	23.5	27.4
30.8	**30.8**	**30.8**	30.3	30.3	28.2	27.5	27.4	25.1	24.3	24	**23.8**	27.1
31.2	**31.2**	28.8	28.5	25.5	25.2	25.1	25.3	24.9	24.6	24.6	24.3	26.4
30.8	**31.1**	29.7	29.6	29.4	28	26.7	26.5	26.3	26	25.3	24.9	26.9
30.5	30.4	30.1	29.6	28.9	27.8	26.9	26.5	26.1	25.7	25.3	25	27.2

RELATIVE HUMIDITY (%).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	90	88	88	91	90	88	89	73.5	**71**	72	73	76
2	**92**	91	91.5	91	91	88	88	82	75	67	64	64
3	85	85	86	88	86	86	78	69	66	65.5	68	**64**
4	**94**	**94**	**94**	**94**	93	93	83	70	70	68	67	67.5
5	84	86	86	**89**	**89**	**89**	81	73	68	66	65	67
6	89	**90**	89	89	89	89	82	85	64	60	58	**49**
7	76	79	82	84	85	86	82	**66**	**66**	**66**	68	69
8	96	**97**	95	94	94	93	86	72	67	68	65	63
9	85	86	86	86	85	87	85	83	80	71	67	**63**
10	97	97	98	**99**	97	**99**	86	75	71	73	68	63
11	94	91	95	97	97	97	92	76	68	**67**	**67**	80
12	**96**	**96**	95	**96**	94	92	89	78	75	75	**66**	78
13	84	87	88	89	89	89	84	83	75	71	**65**	68
14	93	94	95	94	93	94	87	74	72	76	82	74
15	**97**	96	**97**	**97**	**97**	94	93	84	79	74	75.5	80
16	81	85	87	**88**	85	84	86	84	81	83	79	77
17	87	88	83	88	90	89	**93**	87	84	87	**78**	81
18	90	91	88	91	92	92	**93**	89	79	80	**71**	75
19	91	92	91	91	91	87	85	83	77	73	**70**	84
20	92	91.5	94	**97**	95	95	94	88	84	75	71	**68**
21	**92**	**92**	85	85	81	83	80	82	**76**	71.5	69	**66**
22	94	**95**	**95**	94	92	92	82	79	**76**	78	60	63
23	88	90	**93**	**93**	92	91	85	82	74	73	67	**65**
24	94	94	95	96	**97**	92	89	78	71	72	72	69
25	90	90	91	**92**	**92**	**92**	87	77	66	71	67	**65**
26	88	88	91	**94**	**94**	93	89	81	78	76	74	72
27	90	91	92	93	92	85	86	80	73	71	**69**	73
28	93	**97**	**97**	**97**	**97**	**97**	92.5	84	76	72	70	71
29	91	91	**93**	**93**	91	90	81	78	70	71	71	70
30	92	**94**	**94**	**94**	**94**	93	91	84	74	74	74	73
Mean	90.2	90.9	91.2	**92.1**	91.5	90.6	86.6	79.3	73.5	72.2	**69.4**	69.9

VAPOR PRESSURE (mm).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	21.8	21.4	21.2	21.1	20.7	**20.5**	23	21.7	22.3	22	22.4	23.8
2	21.7	21.3	20.9	20.5	20.3	20.1	21.3	**22.1**	21.2	20.7	21.8	21.6
3	19.1	18.8	18.8	18.3	**17.8**	18	19.4	20.4	20.1	20.9	23.6	22.6
4	20.5	20	19.5	19.3	**18.9**	19	21.7	21.6	21.8	21.7	21.2	21.4
5	19.1	19	18.7	18.4	**18.3**	18.9	21.3	21.8	20.8	22.3	22.4	**22.6**
6	19.7	19.7	19.3	19.2	19.2	19.2	20.8	**21.9**	20.2	20.2	21.3	18.9
7	**18.1**	18.2	18.4	18.6	18.5	18.9	20.9	19.9	21	22.3	21.7	21.6
8	21.1	20.4	20	19.7	**19.5**	19.8	21.5	20.7	21	21.6	21.1	21.7
9	20.8	20.4	20.4	20.7	**20.3**	**20.3**	21.3	22.1	23.1	22.6	22.9	23.4
10	21.9	21.5	21.4	21.3	20.7	21.2	22.3	22.3	22.5	**23**	22.2	22.8
11	20.8	20.3	20.4	20.6	**20.2**	**20.2**	21.6	21.9	22	22.1	22.1	23.2
12	21.6	21.1	20.6	20.4	19.8	**19.6**	22.2	22.6	23.6	23	22.1	**25**
13	19.5	19.2	19.1	18.9	**18.7**	18.9	20.2	21.7	21.6	21.4	20.7	21.8
14	21	21.2	20.9	20.7	**20.5**	21	**23.7**	22	23.2	23.2	23	**23.7**
15	21.3	21.1	21	20.9	20.8	21	22.9	24.1	**24.5**	23.9	24.2	23.1
16	21	21.9	20.8	20.8	21.1	21.6	22.4	23	22.6	23.2	22.2	22.3
17	21.8	**21.4**	21.6	21.9	21.5	21.8	23.1	22.9	23.5	23.5	22.7	24.1
18	22.3	21.9	21.7	21.1	21.7	21.1	22.1	21.9	21.9	22.7	22.3	23.8
19	21.1	20.9	20.7	20.5	20.5	**20.3**	21.4	21.9	22.3	**22.8**	22.5	20.5
20	21.7	20.9	20.8	20.6	**20.1**	20.3	21.3	21.4	21.6	21.5	22.2	21.1
21	21.1	21.1	20.8	20.8	19.7	19.7	**19.4**	20.8	21.4	21.5	22	22.3
22	20.2	19.5	19.3	18.6	**18.2**	18.4	20.6	23	23.3	**24**	20.9	21.9
23	21	20.8	20.7	20.2	**19.9**	20	22.8	23.5	22.8	22.9	21.8	21.8
24	22.7	22.1	22.1	21.9	21.5	**21.1**	23.1	22.7	22.6	23	23.5	22.9
25	22.4	22.5	22.4	21.8	21.5	**21.3**	23.4	22.9	21.8	23	22.1	21.6
26	21.3	21.4	21	21	20.8	**20.7**	22.2	23	23.2	23.3	23.1	23.2
27	22.4	22.6	22.1	22	21.8	21.3	22.7	23	23.5	22.8	23.3	**24.5**
28	22.2	21.5	21.5	21.5	21.5	21.2	22	22.3	23.3	22.1	21.6	22.5
29	19.5	19.4	19.4	19.3	**18.8**	**18.8**	20.4	22.4	22.4	22	22.2	22.7
30	20.6	20.3	20.2	20.2	20	**19.9**	21	21	22.5	22.3	22.9	**23**
Mean	21	20.7	20.5	20.4	**20.1**	**20.1**	21.7	22.1	22.3	22.4	22.3	22.5

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
77	82	82	89	**87**	88	91	91	90	90	91	**92**	85
64	**62**	65	63	**62**	67	73	76	78	80	83	85	76.8
72	73	73	73	79	80	85	89	90	90	91	**93**	79.8
63	65	63	**61**	63	73	81	79	82	78.5	81	83	77.5
67	68	67	**60**	62	69	77	82	84	87	87	87	76.7
49	52	53	53	56	58	62	68	65	71	75	77	**69.7**
71	77	73	79	77	91	93.5	92	89	90	**95**	94	80.4
63	**61**	67	66	70	71	73	75	78	80	82	85	77.5
64	66	70	78	80	82	86	88	87	90	93	**95**	81
63	61	**60**	70	84	85.5	88	88	88	90	92	93	82.7
92	92	91	86	88	88	94	94	96	96	**97.5**	96	**88.8**
70	75	74	73	74	73	77	80	82	81	82	82	81.4
69	**65**	71	74	77	78	81	83	88	89	90	**91**	80.3
74	**68**	70	70	74	80	81	83	90	92	92	**97**	83.3
75	72	**70.5**	71	72	78	77	80	81	83	85	85	83
75	74	74	73	**68**	79	81	81	83	84	86	87	81
80	81	80	80	86	87	83	90	86	86	89	90	85.5
73	73	86	90	90	92	92	92	92	90	91	91	86.8
84	84	83	82.5	87	90	89	90	90	92	92	**93**	86.3
74	78	78	74	78	83	88	85	85	90	91	91	85
75	86	87	86	87	87	91	**92**	**92**	**92**	**92**	**92**	84.2
61	59	59	**56**	64	70	75	74.5	75	78	81	85	76.6
65.5	67.5	70	69	72	80	80	80	80	85	90	92	80.2
69	**62**	69	77	76	78	80	80	82	84.5	86	88	81.3
68	67	68	68	72	75	78	79	80	82	80	86	78.5
71	74	**70**	72	75	78	77	80	78	77	84	89	81
70	**69**	71	**69**	76	78	87	95	94	95	**96**	**96**	83
71	**69**	72	71	73	79	82	78	83	88	89	90	82.9
67	67.5	78	81	88	89	89	92	92	92	92	91	83.7
68	**64**	72.5	75	74	79	83	82.5	87	89	93	92	82.9
70.2	70.5	72.2	73	75.7	79.5	82.5	84	84.9	86.4	88.3	89.6	81.4

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
23.5	23.6	**24.2**	22.1	22.4	22.2	22.6	22.4	22.4	22	22	21.8	22.2
21.4	21.8	21.2	20.6	19.7	19.9	19.8	19.4	**19.3**	19.6	19.7	19.6	20.6
24.9	22.9	21.6	21.4	20.4	20.5	20.8	21	20.9	20.7	20.6	20.7	20.6
22.2	21.9	22.1	**22.2**	20.9	21.6	21.7	20.8	20.6	19.6	19.6	19.4	20.8
22.6	21.7	21.7	19.8	19.9	20.1	20.2	20.4	20.4	20.4	20.2	19.8	20.4
18.4	19.1	19.5	18.3	19.2	17.8	17.7	18.1	**17.6**	18	18.2	18.2	**19.2**
22.8	**24.1**	22.9	**24.1**	23.1	23.7	23.2	22.1	21.1	21	20.9	21.2	21.2
21.6	22.5	22.4	**23.6**	23.3	22	21	20.7	20.8	20.9	20.9	21.1	21.2
23.8	22.2	23.5	22.9	22.7	22.6	22.5	22.4	22.3	22.1	22.2	22.1	22.1
22.1	22.8	22.7	**19.2**	22.4	21.7	21.6	20.7	21	21.3	21.2	20.9	21.7
21.9	22.9	23.5	23.9	**24.7**	23.8	23.8	23.7	23.2	22.8	22.6	21.7	22.2
24.1	23.3	23.9	23.3	22.5	21.3	21	20.8	20.6	20.1	20.3	20	21.8
21.7	22.2	**23.4**	21.9	22.9	21.5	21.1	21.4	21.8	21.4	21	21.1	21
21.9	21	22.8	22.7	22.9	22.2	21.8	22.1	22.5	21.7	21.5	21.4	22
22.7	23.5	23.1	23.3	22.6	22.1	21.5	21.7	21.7	21.6	**20.7**	21.9	22.3
23.4	22	21.9	22.2	21.7	21.8	21.8	21	20.6	**20.5**	**20.5**	**20.5**	21.7
24.5	24.1	23.4	23.1	22.7	22.4	22.2	22.8	22.4	22.5	22.7	22.8	**22.7**
23.5	24.1	**24.2**	23	22.9	22.9	22.2	21.9	21.9	21.5	21	**20.8**	22.3
21.9	22.3	22	21.2	21.3	21.3	21.1	20.8	20.5	21.2	21.4	22	21.4
22.3	21.5	21.8	22	22.4	**22.6**	22.1	20.9	20.7	21.2	21.2	21.2	21.4
23	**24.3**	24	24.2	23.9	22.8	22.4	21.7	21.2	21.1	20.9	20.3	21.7
21.3	21.5	20.7	19.4	21.8	21	21.8	21.3	21.1	21.5	21.6	21.6	20.9
22	**23.9**	**23.9**	23.2	23.5	23.3	22.9	22.8	22.8	23.2	22.8	22.9	22.3
23.2	21.5	22.5	23.1	22.5	22.7	23	23.1	23	**23.6**	22.3	21.3	22.5
23.4	23.2	**23.6**	**23.6**	23.3	23.2	22.6	22.3	21.8	21.7	22	22.8	22.5
23.3	23.2	**23.6**	23	23.2	22.9	22.3	22.6	22	21.5	23.3	22.5	22.4
23.5	23.7	23.3	22.4	22.4	22.1	21.8	21.6	20.6	**20.3**	20.8	20.6	22.3
23.3	22.9	**23.9**	22.7	23.3	22.4	22.4	21.3	19.8	19.9	**19.7**	**19.7**	21.9
22.6	22.8	22.8	**23.4**	21.4	21.2	21.1	21.9	21.6	21.1	21.1	20.6	21.2
22.4	21.4	22.4	22.9	22.5	22.3	21.7	21.2	22.1	22.1	22.2	21.4	21.6
22.6	22.6	**22.8**	22.3	22.3	21.9	21.7	21.5	21.3	21.2	21.2	21.1	21.6

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Ci.-S.		Ci.-S.		Ci.-S.							
2	Ci.-S.		Ci.-S.		Ci.-S.		Ci.		Ci.		Ci.-S.	
3	Ci.-S.		Ci.-S.		Ci.-S.		A.-Cu.		Ci.-S.		Ci.-S.	
4	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.		Ci.	
5	Ci.		Ci.		Ci.		Ci.		Ci.-S.		Ci.-S.	
6	Ci.	NE	Ci.		Ci.	NE						
7	Ci.-S.		Ci.	NE	Ci.		Ci.		Ci.			
8	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
9			A.-Cu.		A.-Cu.	ESE	A.-Cu.		A.-Cu.		A.-Cu.	
10	Ci.		Ci.		Ci.							
11	Ci.-S.				Ci.		A.-Cu.					
12	Ci.		A.-Cu.		Ci.						Ci.	
13	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
14	Ci.		Ci.		Ci.						A.-Cu.	
15	Ci.		Ci.		Ci.		Ci.		A.-Cu.		Ci.	
16	Ci.-S.											
17			Ci.-S.				Ci.-S.				A.-Cu.	
18	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		A.-Cu.		A.-Cu.	
19	Ci.-S.		A.-Cu.		A.-Cu.		A.-Cu.		Ci.-S.			
20	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.		Ci.-S.	
21	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
22	Ci.				Ci.							
23	Ci.		Ci.				Ci.					
24	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.-S.	
25	Ci.		Ci.-S.		Ci.		Ci.		Ci.		Ci.-S.	
26	Ci.		Ci.		Ci.		Ci.-S.		Ci.-S.			
27	A.-Cu.	NE	A.-Cu.		A.-Cu.		Ci.-Cu.		Ci.-Cu.		A.-Cu.	
28	Ci.-S.		Ci.-S.		A.-Cu.		Ci.-S.		A.-Cu.		Ci.	
29	A.-Cu.	W by N	Ci.-S.		Ci.		Ci.		Ci.-S.		Ci.-S.	
30	Ci.		Ci.		Ci.		Ci.		Ci.-S.		Ci.-S.	

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	S.-Cu.		Cu.	E	Cu.	E	Cu.-N.	E	N.-cf.	E	N.-cf.	
2	S.-Cu.		S.-Cu.	ESE	S.-Cu.		S.-Cu.	ESE	Cu.-N.	ESE	Cu.-N.	SE by E
3	Cu.		Cu.		Cu.	SE	Cu.	SE	Cu.	SE	Cu.	
4	Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	
5	Cu.		Cu.		Cu.	E by N	Cu.	E by N	Cu.	E by N	N.-cf.	
6	Cu.	E by S	Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	
7	Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.-N.	E	Cu.-N.	
8	Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	
9	S.-Cu.	E	N.-cf.	E	Cu.	E	Cu.	E	Cu.		Cu.	
10	Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	
11	Cu.		Cu.	E	Cu.		Cu.	E	Cu.	E	Cu.-N.	
12	Cu.	E	Cu.	E	Cu.		Cu.	E	Cu.		Cu.	
13	S.-Cu.		Cu.	SE	Cu.	SE	Cu.		Cu.		Cu.	
14	Cu.		Cu.	E	Cu.	E	Cu.-N.		Cu.-N.	W	Cu.-N.	
15	N.-cf.	W	N.-cf.		Cu.		Cu.	SW	Cu.	SW	Cu.	SW by W
16	Cu.-N.	W	Cu.-N.	W	Cu.-N.	W	Cu.-N.	W	Cu.-N.		Cu.-N.	
17	Cu.-N.		Cu.-N.	WSW	Cu.-N.	WSW	Cu.-N.		Cu.-N.	WSW	Cu.	
18	Cu.-N.	SSW	Cu.-N.	SSW	Cu.-N.	SSW	Cu.-N.	S by W	Cu.-N.	S by W	Cu.-N.	
19	S.-Cu.		Cu.	SW	Cu.	SW	Cu.	SW	Cu.-N.		Cu.-N.	
20	Fr.-N.		Fr.-N.	SSW	S.-Cu.		S.-Cu.	SSW	Cu.	SSW	Cu.	
21	S.-Cu.		Cu.		Cu.				Cu.		Cu.	
22	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
23	Cu.	SW by S	Cu.		Cu.		Cu.		Cu.		Cu.	
24	Cu.		Cu.	N	Cu.	N	Cu.	N	Cu.	E	Cu.	
25	Cu.		Cu.	NW	Cu.	NW	Cu.	NW	Cu.		Cu.	
26	Cu.		Cu.	NW	Cu.	NW	Cu.		Cu.	NW	Cu.-N.	
27	Cu.		Cu.		Cu.	WSW	Cu.	WSW	Cu.	WSW	Cu.	
28	S.-Cu.	WSW	Cu.	WSW	Cu.	WSW	Cu.	WSW	Cu.	WSW	Cu.	
29	S.-Cu.		Cu.		Cu.	W	Cu.	WNW	Cu.		Cu.	
30	Cu.		Cu.	E	Cu.		Cu.	N	Cu.	N	Cu.	N

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Ci.-S.		Ci.-S.		Ci.-S.				Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	SW
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.		A.-Cu.		Ci.		Ci.		Ci.-S.		Ci.	
								Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.		Ci.		Ci.		Ci.		A.-Cu.	
		Ci.-S.				Ci.-S.		Ci.-S.		Ci.-S.	
				Ci.		Ci.					
		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.						Ci.-S.			
										Ci.-S.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.					
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.	NE	Ci.-S.	NE	Ci.-S.		Ci.-S.		Ci.-S.	
A.-Cu.	WNW	A.-Cu.		Ci.-Cu.		Ci.		Ci.		Ci.	
		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.			
A.-Cu.	SW	A.-Cu.	SW	Ci.-Cu.		A.-Cu.	SW	Ci.-S.		Ci.-S.	
A.-Cu.		A.-Cu.									
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
						Ci.-S.		Ci.-S.		Ci.-S.	
Ci.								Ci.		Ci.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.-S.	E	Ci.-S.	E	Ci.-S.		Ci.		Ci.		Ci.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
A.-Cu.		Ci.-S.		Ci.-S.		A.-Cu.		Ci.-S.		Ci.-S.	
				Ci.		Ci.		A.-Cu.	E	A.-Cu.	
Ci.-S.	NE	Ci.-S.	NE							Ci.-S.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Cu.-N.	E	Cu.-N.	E	Cu.		Cu.-N.	E	S.-Cu.	E	S.-Cu.	
Cu.-N.		Cu.-N.	SE by E	Cu.-N.		Cu.	SE	Cu.		Cu.	
Cu.-N.		Cu.-N.	N	Cu.-N.	SE	Cu.-N.		N.-cf.		S.-Cu.	
Cu.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.		S.-Cu.	
N.-cf.	E	N.-cf.	E	N.-cf.	E	N.-cf.	E	N.-cf.		Cu.	
Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	N.-cf.	E	N.-cf.		N.-cf.	
Cu.		Cu.-N.	E	Cu.	E	Cu.		Cu.	NW	Cu.	
N.-cf.		Cu.-N.	E	N.-cf.	E	Cu.	E	Cu.		Cu.	
Cu.	E	N.-cf.	E	Cu.-N.		N.-cf.	E	Cu.-N.		N.-cf.	
Cu.-N.	E	Cu.-N.	E	Cu.-N.		N.-cf.		N.-cf.		N.-cf.	
Cu.-N.	E	Cu.-N.		Cu.-N.	E	Cu.-N.		Fr.-S.		Fr.-S.	
Cu.		Cu.		Cu.-N.	E	Cu.-N.	E	Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.	SW by W	Cu.	SW by W	Cu.		Cu.		Cu.-N.		Cu.	
Cu.-N.	WSW	Cu.-N.	WNW	Cu.	WNW	Cu.		Cu.		Cu.-N.	
Cu.	WSW	Cu.	WSW	Cu.		Cu.		Cu.		Cu.-N.	
Cu.	WSW	Cu.	SW	Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.	
Cu.-N.	SW	Cu.-N.	SW	Cu.-N.	SW	Cu.-N.		Cu.-N.		Cu.-N.	
Cu.-N.	SSW	Cu.-N.	SSW	S.-Cu.		Cu.	S by W	Cu.	S by W	S.-Cu.	S by W
Cu.-N.	ESE	Cu.-N.	S	Fr.-N.	S	Cu.-N.	S by E	S.-Cu.	S by E	Cu.	S by E
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	
Cu.		Cu.		Cu.		Cu.-N.		Cu.-N.		Cu.-N.	
Cu.-N.	W	Cu.-N.	W	Cu.	W	Cu.		Cu.		Cu.	
Cu.	WSW	Cu.		Cu.	W	Cu.	W	Cu.-N.	W	Cu.-N.	W
Cu.		Cu.		Cu.	NE	Cu.		Cu.		Cu.-N.	
Cu.		Cu.-N.		Cu.-N.	E	Cu.-N.	E	N.		Fr.-N.	SW
Cu.		Cu.		Cu.		Cu.		Cu.-N.		Cu.-N.	

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	Calm		NNW	1	NNE	2.5	NNE	1	NNE	1.5	Calm	
2	E	0.5	E	1	Calm		NE	.5	Calm		Calm	
3	ESE	.5	ENE	.5	NNE	1	NE	1	Calm		Calm	
4	ENE	.5	ENE	1	ENE	.5	ENE	1	ENE	.5	Calm	
5	ENE	1	NNE	1	Calm		Calm		Calm		Calm.	
6	Calm		N	.5	NE	.5	Calm		Calm		Calm	
7	N	1.5	N	1.5	N	1	N	.5	N	.5	Calm	
8	ENE	1	Calm		ENE	.5	ENE	1	Calm		Calm	
9	NE	1.5	NE	1	NNE	1.5	NE	1	NE	1	Calm	
10	Calm		Calm		Calm		Calm		Calm		Calm	
11	Calm		Calm		Calm		Calm		Calm		Calm	
12	NE	1	E	1	NE	1	NE	.5	N	1	Calm	
13	ENE	1.5	Calm		ENE	1	Calm		Calm		Calm	
14	E	.5	Calm		NE	.5	ENE	.5	Calm		Calm	
15	E	.5	Calm		E	.5	E	.5	E	1	Calm	
16	W	3	WSW	2	WSW	6	WSW	2.5	SW	3.5	WSW	5.5
17	SW	3.5	SW	2	W	3.5	SSW	4.5	SSW	4	SSW	3.5
18	SW	5	WSW	9	SW	5	SSW	3	SSW	2	SE	1.5
19	S	1.5	SSE	1	SSE	2	SSE	1.5	Calm		SSE	1.5
20	S	1.5	SSW	4	SSE	2.5	ESE	1	SE	1.5	SE	3
21	Calm		Calm		SSW	1.5	SW	3	SSW	4	S	2
22	Calm		ENE	.5	ENE	.5	ENE	.5	Calm		Calm	
23	SE	.5	E	.5	Calm		Calm		NE	.5	ESE	.5
24	Calm		Calm		Calm		Calm		Calm		NNE	4
25	Calm		NW	.5	NW	1.5	N	1.5	N	.5	Calm	
26	ENE	2.5	SE	.5	Calm		E	.5	NE	.5	Calm	
27	SSW	.5	Calm		Calm		NE	1.5	Calm		SSW	1.5
28	SW	1.5	Calm		E	.5	Calm		E	.5	Calm	
29	ENE	.5	Calm		ENE	.5	NNE	.5	NE	1.5	NEbyN	.5
30	NNE	2	NNE	2	NNE	1.5	N	3	N	2	N	4
Mean		1.1		1		1.2		1		0.9		0.9

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	SE	1.5	SE	1.5	SE	4	Calm		ESE	2	EbyS	1
2	SE	3	ESE	2.5	ESE	2.5	ESE	2.5	ESE	2	ESE	1
3	SW	1.5	SSW	6	SWbyW	4	Calm		E	2	Calm	
4	W	3	NWbyW	2	WNW	1.5	SEbyE	1.5	SEbyS	6.5	ESE	1.5
5	SE	2.5	SE	1.5	SE	1.5	ENE	2	ENE	1	Calm	
6	ENE	4	ENE	4.5	E	3.5	E	2.5	E	3.5	E	2
7	WNW	4	Calm		N	7.5	NW	2	NNW	.5	Calm	
8	WNW	3.5	WNW	1	SSW	3	SSE	3.5	Calm		ESE	1.5
9	N	7.5	N	5	NEbyE	6	Calm		ENE	.5	Calm	
10	WNW	3.5	SSW	2	Calm		Calm		Calm		Calm	
11	WNW	3	S	1.5	Calm		Calm		Calm		Calm	
12	W	2	NNE	2.5	NE	1.5	ENE	1	ESE	1	SE	2
13	WNW	2	S	1	SSW	2.5	S	5	S	2	S	2
14	WSW	7.5	WSW	5.5	SW	2.5	SWbyW	2.5	WSW	4.5	SSW	3.5
15	SWbyW	7	SWbyW	7	WSW	7	SWbyW	5.5	SWbyW	6.5	WSW	5
16	WNW	7.5	WSW	9	WSW	2.5	SW	1	WNW	1	WSW	3
17	WSW	3.5	WSW	3.5	WSW	3	SW	6	SW	3	SW	2.5
18	SSW	5	SSW	2.5	WSW	3	SSW	8	SSW	3.5	SE	1.5
19	SSW	5	S	2.5	S	2.5	S	2.5	SSE	1.5	Calm	
20	WSW	6	W	3	WSW	1	WSW	1.5	Calm		Calm	
21	NW	3.5	Calm		NE	1	Calm		Calm		ENE	1
22	W	3	WSW	3.5	W	4.5	W	4.5	WSW	7.5	WSW	4.5
23	WSW	3.5	WSW	3.5	SW	5	SW	5	SW	7	SWbyS	4.5
24	WSW	5	W	3	WSW	5.5	WSW	2	SSW	2	SW	5
25	SbyW	3	SbyW	3.5	SW	7.5	SW	6.5	SW	4	WSW	6.5
26	WSW	5.5	SW	6	WbyN	7.5	WSW	6.5	WSW	4.5	WSW	6.5
27	WSW	8	WSW	7	SSW	7.5	SW	6	WSW	6	W	7.5
28	WSW	5	WSW	8	SWbyW	4	SW	6	SW	6	SW	5
29	WbyS	5	WbyS	5	SW	5	SW	2	ENE	1.5	Calm	
30	WSW	6	W	5.5	SSW	5	SW	5	WSW	6.5	WSW	6
Mean		4.3		3.6		3.7		3		2.8		2.4

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
Calm		WNW	1.5	Calm		WNW	1.5	NWbyW	1.5	Calm	
Calm		Calm		ESE	2	ESE	2	E	4.5	SE	5.5
Calm		Calm		WNW	1.5	Calm		WSW	3.5	Calm	
Calm		Calm		WSW	2	NW	2	WNW	4	W	1.5
Calm		Calm		ENE	.5	W	1.5	Calm		Calm	
Calm		Calm		Calm		ESE	1.5	SE	2	Calm	
NE	0.5	Calm		WSW	1	Calm		WNW	4	WNW	5.5
Calm		Calm		WSW	2	W	1.5	W	1.5	WNW	4
Calm		Calm		S	1.5	SE	4	SSE	7	ESE	3
Calm		Calm		Calm		NW	1	WNW	1	WNW	3.5
Calm		Calm		Calm		WSW	1.5	W	3.5	WbyS	2
Calm		Calm		W	1	WNW	2.5	W	3	W	2.5
Calm		Calm		Calm		WNW	2.5	Calm		Calm	
Calm		WSW	3	WSW	3.5	SW	8	SWbyW	4	SW	8.5
Calm		Calm		WSW	2	W	3.5	SW	5.5	WSW	10
WSW	3	WSW	4.5	WbyN	3.5	WSW	11.5	SW	11.5	W	8.5
SWbyW	5.5	WSW	3	WSW	6	SW	5	WNW	6.5	WSW	1.5
SSE	1	SW	1.5	S	4	S	4.5	S	4.5	S	6
SSE	2.5	SSE	2	SSE	2	S	4	S	6.5	SbyW	7.5
SE	1.5	SSE	1.5	SEbyE	2.5	SE	4.5	SE	2	SSW	3
Calm		Calm		Calm		SSW	2	Calm		Calm	
Calm		Calm		SSW	.5	SSW	1.5	SW	1	SSW	1.5
ESE	1.5	Calm		SSW	1.5	NW	2	NW	5	W	4
NNE	3	NNE	2	NWbyN	3	WNW	3	WNW	3	WbyS	3.5
Calm		NE	3	NNW	1	NW	1	WNW	2	WNW	2
Calm		ESE	1	Calm		NW	1.5	WNW	3	WSW	7
S	1.5	SW	3	WSW	3	WSW	5	SW	3.5	SSW	5
Calm		Calm		S	1.5	SW	.5	W	5	W	2.5
Calm		NE	1.5	NNE	3.5	WNW	3.5	WNW	2	WNW	3
NNE	4	NbyE	4	NNW	4	NW	2.5	WNW	5	WSW	4.5
	0.8		1		1.8		2.8		3.5		3.5

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		Midnight.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Force.
Calm		Calm		Calm		Calm		E	0.5	E	1	0.9
ESE	1.5	ESE	2	ESE	2	ESE	1.5	ESE	1.5	Calm		1.6
ENE	1	Calm		E	.5	Calm		Calm		Calm		1
Calm		E	.5	SE	1	ESE	2	ESE	1	E	1	1.4
Calm		N	.5	Calm		Calm		Calm		Calm		.5
E	1.5	Calm		E	1	ENE	.5	NNE	.5	NNE	1	1.2
Calm		ENE	.5	ESE	1	SE	1	SE	1	SE	1	1.4
SE	2	SE	2	SE	2.5	SE	1.5	SE	1	ENE	1	1.4
Calm		SE	1	SE	.5	NE	.5	Calm		Calm		1.8
Calm		SE	.5	E	.5	Calm		NE	.5	N	.5	.5
Calm		Calm		Calm		Calm		Calm		Calm		.5
SE	2	SE	1.5	ESE	1.5	ESE	1.5	SE	1.5	SE	1.5	1.4
S	2	S	1.5	Calm		SE	.5	SE	1	SE	.5	1
SW	4.5	SW	3.5	Calm		Calm		Calm		Calm		2.6
WSW	5	WSW	5.5	SW	3.5	SWbyS	1.5	SWbyW	1	WSW	5.5	3.5
WSW	2.5	N	1.5	N	.5	N	.5	Calm		Calm		3.9
SW	6	S	1.5	SSW	6	SSW	4	SSW	2	SSW	4.5	3.9
SSE	2	SSE	2.5	SSE	1.5	S	4.5	SSE	2	SSE	2	3.5
SSE	3.5	SE	1.5	SE	.5	ESE	.5	SE	.5	Calm		2.2
Calm		SE	2	ESE	2	ESE	1.5	Calm		E	.5	1.9
Calm		ENE	.5	E	.5	Calm		Calm		Calm		.8
WSW	3.5	SW	3.5	WSW	4	SW	3	SW	1.5	SE	1	2.1
SW	5	SW	4.5	SW	2.5	SW	2	Calm		Calm		2.4
SW	6	SW	5.5	SW	5	SW	3	NE	.5	Calm		2.7
SW	3.5	W	3	W	3	NW	2.5	SW	2.5	S	1.5	2.5
WSW	4.5	SW	4.5	SW	5	W	2	SSW	1.5	NNE	1	3
NNW	4	SW	2	E	1	Calm		Calm		ESE	1	3.1
SW	6.5	WSW	4	NE	3	ENE	2	ENE	1	ENE	.5	2.6
NNE	1	NNE	1	ENE	.5	NNE	1.5	NNE	1.5	NNE	1.5	1.8
WNW	6.5	WNW	3.5	NW	4.5	NNW	4	NNW	4	NNW	1	4
	2.5		2		1.8		1.4		0.9		0.9	2

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	2	2	6	2.5	5	3.5	0.5	3.5	5.5	7.5	8	4.5
2	5	3	4.5	3.5	3.5	1.5	2	3	6	10	**17.5**	14
3	1.5	2	3.5	4	3	1	1	.5	6.5	8	7	8
4	3	4	3	3.5	3.5	3	2.5	.5	5.5	11	12	**13**
5	3.5	4.5	2	0	3	3	4	3	2	3.5	7	8
6	1.5	2	4	2.5	3	2.5	2	3	2	3	8.5	10.5
7	8.5	6	9.5	4.5	5	5	5	3.5	4	5	12	12
8	5	2	4	3.5	4	1.5	.5	.5	5	8	11	13
9	4	3.5	4.5	4	3	3	4	1	3.5	7.5	13.5	13.5
10	1	1	2.5	1.5	2	3	2.5	2.5	2.5	9	12	13
11	2	0	0	1.5	3	1	.5	1	2.5	3.5	11	10
12	2.5	3.5	4	3	2.5	2.5	1	3.5	4	11	10.5	9
13	5.5	3	4	4	3.5	3.5	1	2	4.5	4.5	8	6
14	2	3.5	1	3.5	2.5	1	1.5	6.5	10	27	**33**	29
15	1.5	3	3	2	3.5	3	2	3	9	12	28.5	**33**
16	17	4	26	21.5	16	23.5	20.5	20.5	20	25	**42**	39
17	9	10.5	15	15	15	11	17	19	19	21	**22**	**22**
18	20	**24**	21	17	10.5	5	8.5	14	10	12	13.5	18
19	8	6	6	6	6.5	6	8	9.5	11.5	10.5	14.5	**26**
20	6	14	18	7	5	6	9	11	11	17	**21**	14
21	1	.5	5.5	17	**24.5**	10	6	.5	1.5	2	4.5	5
22	1.5	2	3.5	3.5	2.5	3	2	1	4	6	8	10
23	2.5	2.5	2	2	2	3.5	.5	2	4.5	9.5	15.5	12.5
24	.5	1	1.5	0	2	7	11	14	10	10	13	12
25	3	4	11	7	7	7	3.5	5.5	7.5	6.5	12	11
26	7.5	5.5	3	2.5	3	2	1.5	2	2.5	5.5	8.5	12
27	2.5	5.5	1	3	2	3.5	10	6	10	18	**30**	25
28	8	5	5.5	4.5	2.5	3	2	2.5	3.5	6.5	17.5	12.5
29	1.5	1.5	1	2.5	3	4.5	4.5	6.5	6.5	7	13	11.5
30	8	9	6	8.5	12	10	10	12	12	10	18	16
Mean	4.8	4.6	6	5.4	5.4	4.8	4.8	5.4	6.9	9.9	15.1	14.8

AMOUNT OF CLOUDS (0–10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	7	7	5	8	10	10	9	9	10	10	10	10	8.8	3 00
2	10	10	8	8	8	9	10	10	10	10	10	9	9.3	1 20
3	5	7	8	7	8	9	9	9	10	10	10	9	8.4	5 30
4	2	2	3	4	7	7	6	7	8	6	6	6	5.3	8 20
5	5	4	5	6	7	9	10	10	9	8	7	6	7.2	4 20
6	6	7	7	5	6	8	7	6	5	8	7	5	6.4	7 10
7	8	6	4	7	9	9	8	8	10	8	6	6	7.4	4 10
8	7	7	5	7	7	7	9	9	8	8	9	8	7.6	6 30
9	10	10	8	8	7	7	7	6	8	7	8	8	7.8	4 30
10	6	8	6	6	6	8	7	6	8	8	8	8	7.1	6 35
11	5	4	4	7	8	9	10	10	10	10	10	10	8.1	3 05
12	5	6	8	9	6	7	10	9	9	10	10	10	8.2	5 30
13	9	8	8	8	8	8	9	9	9	10	9	9	8.7	**0 40**
14	6	7	7	9	10	8	6	7	5	4	4	3	6.3	7 30
15	6	7	6	7	7	8	7	5	4	2	2	4	5.4	8 20
16	9	10	8	10	10	10	10	10	9	8	7	9	9.2	3 05
17	10	9	10	10	10	9	9	9	7	6	7	10	8.8	2 05
18	10	9	10	10	9	9	10	8	10	10	10	10	9.6	3 10
19	10	9	9	9	10	10	10	10	10	10	10	10	9.8	1 15
20	10	10	10	10	10	10	10	10	10	10	10	9	**9.9**	1 05
21	9	9	9	10	9	10	10	10	10	10	10	10	9.7	1 15
22	4	3	3	3	2	3	4	4	3	2	2	2	**2.9**	**9 15**
23	4	7	4	4	3	2	3	3	3	3	4	4	3.7	8 55
24	4	2	3	4	8	7	9	10	10	10	10	10	7.2	7 35
25	2	7	6	8	8	9	4	3	4	4	4	6	5.4	7 45
26	6	8	10	10	9	9	9	9	7	8	8	8	8.4	1 20
27	9	9	8	8	7	7	7	5	5	5	8	10	7.3	4 40
28	10	8	9	7	7	4	4	3	3	6	7	7	6.2	8 05
29	7	4	5	6	8	8	7	7	10	10	10	10	7.7	6 00
30	6	6	6	8	8	9	8	8	8	9	9	9	7.8	5 55
Total														147 55
Mean	6.9	7	**6.7**	7.4	7.7	8	7.9	7.6	7.7	7.7	7.7	7.8	7.5	4 56

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–Mdt.	Mean.
4	3	8.5	**11.5**	7.5	4	2	0.5	2	1.5	3	4	4.2
12	10	12	9.5	9.5	7.5	4.5	5	5.5	6	3	2.5	6.7
10	**20**	16.5	7.5	8.5	3	2.5	1.5	2	.5	2.5	2.5	5.1
13	10	7.5	5	12	10	5	3.5	3.5	5	6	5	6.2
6.5	**11**	7	10	9.5	2.5	1.5	1.5	2.5	1.5	1.5	1	4.1
16.5	**22**	16	16	20	13	7	5	8	4	5.5	2.5	7.5
13	10	11	11	5	1.5	.5	1	4	6	3.5	5.5	6.3
17	7	6	6	10	3.5	10	9.5	9	8.5	4	2.5	6.3
14	**22**	10	9.5	5.5	3	2	4.5	4.5	4	3	1.5	6.2
14	9	12	**22**	1.5	2.5	2	1	3	1.5	2.5	2	5.2
14	3	4.5	2	3.5	5.5	1	3.5	1.5	0	1	3	**3.3**
9.5	**12.5**	6.5	7	5	10	8.5	8.5	4	6	8	6.5	6.2
8.5	7.5	10	**15**	13	9	9	8	2.5	2	3.5	2.5	5.8
27	21.5	17.5	12.5	13.5	17	20	17	4	1	1.5	.5	11.4
27	26	28	24	26	24	25	25	18	9	8	20	15.1
27	27	16	11.5	9.5	9	21	14.5	4.5	3	1.5	3	**17.6**
21	16	19	18	21	16	15	9.5	10.5	16	13.5	10.5	15.9
16	10	10	20.5	14	7.5	7	9	10	14	12	8	13
18	14	12	13	7	5	8	11	7	5	5	4	9.5
14.5	17.5	7	3.5	.5	2.5	1	6	8.5	2.5	3	2	8.6
14.5	3.5	4.5	1.5	1.5	4.5	3.5	3	3.5	3.5	1	2	5.2
13	14	16	13	20	**22**	20	18	18	15	8	5	9.5
15.5	15.5	18	**25**	23	18	17	17	11.5	7.5	5.5	.5	9.7
12.5	12.5	19	13	15	16	20	**21**	**21**	16	6.5	2.5	10.7
12	14	23	20	**24**	18	18	15	10	8	12	6.5	11.1
27	28	**29**	28	26	24	25	14	17	14	8.5	3	12.5
25	29	29	28	27	22	14	15	7	3.5	1	2.5	13.3
15.5	24	24	23	**26.5**	25.5	23.5	20.5	12.5	8.5	5	3.5	11.9
14.5	17	**23**	13	7	4.5	3.5	2	2	4.5	5	6	6.9
17	21	17	19	**26**	24.5	20.5	21	14	15	14	9	14.6
15.6	15.2	14.6	14	13.3	11.2	10.6	9.7	7.7	6.4	5.3	**4.3**	9

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1		3			2	2	3							2		2	10	102	1.3	1.3
2			1		3	12	2										6	160.5	3.7	
3		1	1	2	2	1				1	1	2		1	2		12	123	3.1	
4				5	2	3	2	1				1	2	2	2		4	150	3.8	.5
5	1	1		4			3						1				14	99.5	3.2	
6	1	2	1	3	6	1	1										9	180	5.8	
7	6		1	1		1	3					1		3	1	1	6	152	2.2	3.8
8				4		1	5	1	1	1		1	2	3			6	151	4.8	
9	2	1	5	2		1	3	1	1								8	148.5	3.3	
10	1		1		1		1			1				3	1		15	125.5	2.6	1
11									1			1	2	1			19	78.5	3.4	29.2
12	1	1	4	1	1	3	5			1			4	1			3	149	3.3	
13				2			3		6	1	5	7		2			10	140	2.8	
14			1	1	1					1	3	12	1				8	273.5	3.1	
15					4						3	11	2	3			4	363.5	3.5	3.6
16	3								1	7	7	7	1	1			2	422.5	2.7	2.9
17							2	6	5	6	3	2						381.5	2.5	3.3
18						1	3	9	6	2							3	311.5	2	7.3
19					1	3	7	2	1	2		3	1				4	227.5	1.1	4.6
20																		207.5	2.8	3.6
21			1	2	1				1	3	1				1		14	124.5	1.3	3.7
22				3			1			3	4	5	3				5	229	5.1	
23			1		1	2	1			1	8	2	1		2		5	233	3.4	2.8
24		3	1							1	5	3	2	2		1	6	257	3.6	
25	2		1						1	2	5	1	2	2	4	1	3	265.5	4.1	.7
26		1	1	1	1	1	1			1	3	6	1	2		1	4	299	3.9	
27			1		1	1			1	4	4	5	1				5	319.5	3.3	43.4
28			1	3	2				1		6	4	2				5	285	3.7	
29		7	3	4						1	2		2	3	2	4	3	165	2.8	3.1
30	3	5									1	4	1	3				349.5	3	2.4
Total	20	25	25	38	29	33	46	20	25	38	61	78	31	34	13	11	193	6,474	95.2	117.2
Mean	0.7	0.8	0.8	1.3	1	1.1	1.5	0.7	0.8	1.3	2	2.6	1	1.1	**0.4**	**0.4**	**6.4**	215.8	3.2	3.9

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°C.		*Per cent.*	*mm.*	*mm.*		°C.		*Per cent.*	*mm.*
1	760	11.00p.	32.2	10.45a.	92	24.2	757.55	4.05p.	23.7	5.15a.	71	20.5
2	60.46	10.00a.	32.1	2.10p.	92	22.1	58.08	4.00p.	23.8	5.45a.	62	19.3
3	60.90	11.00p.	33.6	1.30p.	93	24.9	58.40	2.30p.	22.7	5.30a.	64	17.8
4	60.45	0.05a.	34	2.45p.	94	22.2	57.90	4.15p.	22.5	5.45a.	61	18.9
5	60.30	10.00p.	32.5	10.25a.	89	22.6	57.40	3.20p.	22.7	5.45a.	60	18.3
6	59.60	1.00a.	**34.6**	0.50p.	90	**21.9**	56.65	3.20p.	23.3	4.10a.	**49**	**17.6**
7	59.30	10.40p.	32.9	10.15a.	95	24.1	56.60	2.45p.	23.5	5.10a.	66	18.1
8	59	0.05a.	33.8	4.05p.	97	23.6	56.25	3.25p.	22.7	5.30a.	61	19.5
9	60.40	10.45p.	33.6	0.55p.	95	23.8	57.40	3.55p.	24.4	5.45a.	63	20.3
10	60.75	8.20a.	34.4	2.35p.	**99**	23	58.10	3.00p.	23.1	5.10a.	60	19.2
11	60.30	8.45a.	32.2	10.20a.	97.5	24.7	57.90	6.15p.	22.9	5.50a.	67	20.2
12	59.34	9.00a.	32.4	0.45p.	96	**25**	56.90	4.00p.	22.9	4.35a.	66	19.6
13	59.95	11.00p.	32.6	1.55p.	91	23.4	57.15	2.10p.	23.1	5.15a.	65	18.7
14	60.60	11.15a.	31.5	9.10a.	97	23.7	58.20	4.00p.	23.8	5.30a.	68	20.5
15	60.15	8.50a.	31.7	11.10a.	97	24.5	57.50	5.30p.	22.4	5.05a.	70.5	20.7
16	59.05	0.05a.	31.7	4.35p.	88	23.4	56	4.40p.	24.7	11.20p.	68	20.5
17	**56.70**	0.05a.	**30.3**	0.20p.	93	24.5	53.87	4.00p.	**24.8**	4.50a.	**78**	**21.4**
18	56.75	11.00p.	31.6	1.50p.	93	24.2	**53.40**	3.05p.	24.3	5.50a.	71	20.8
19	57.55	11.00p.	31.3	10.20a.	93	22.8	55.15	4.15a.	23.9	5.20a.	70	20.3
20	58.75	11.00p.	31.5	0.10p.	97	22.6	55.95	3.30p.	23.2	5.25a.	68	20.1
21	59.70	10.45p.	32.5	0.05p.	92	24.3	58.25	0.20a.	23.7	11.45p.	66	19.4
22	**61.50**	10.35p.	33.7	1.55p.	95	24	**59.20**	4.15p.	**22**	5.35a.	56	18.2
23	61.35	8.50a.	33	2.10p.	93	23.9	58.55	3.45p.	23.6	5.00a.	65	19.9
24	60.65	0.05a.	32.9	2.10p.	97	23.6	56.90	2.55p.	24.1	5.00a.	62	21.1
25	58.40	9.00a.	33.5	2.30p.	92	23.6	55.30	4.35p.	24.6	5.40a.	65	21.3
26	58.02	10.00a.	32.4	2.40p.	94	23.6	55.90	4.25p.	23.9	5.50a.	70	20.7
27	59.35	10.15p.	32.6	11.55a.	96	24.5	56.21	3.00p.	23.2	9.40p.	69	20.3
28	58.80	0.05a.	32.1	3.45p.	97	23.9	56.55	3.00p.	23.3	0.05a.	69	19.7
29	58.50	0.05a.	33	1.40p.	93	23.4	55.60	3.15p.	22.7	5.15a.	67	18.8
30	56.75	0.05a.	32.3	2.10p.	94	23	53.75	3.40p.	23.1	5.30a.	64	19.9
Mean	759.44	.....	32.6	.....	94	23.6	756.75	.....	23.4	.....	65.4	19.7

DAILY GENERAL REMARKS.

1____●, ⌜ ESE in the afternoon.
2____Convergence of Ci. toward SSE in the morning; ○ in the morning and afternoon.
3____○°, ⊤° NNE, v in the afternoon; ∪² in the evening.
4____p° 11.52 a.; ∪ in the evening.
5____Overcast.
6____Cloudy weather.
7____●, ⌜ N quadrant in the afternoon.
8____d° in the afternoon.
9____⌜° NW, ⌜ NE by N in the afternoon.
10____⌜ various points with occassional ⸝ and ● in the afternoon.
11____●², ⊤ SW quadrant in the afternoon.
12____⌜ NE quadrant in the afternoon.
13____⌜ NNE, p° in the afternoon.
14____Convergence of Ci. toward NE, d° in the morning; ○° in the afternoon.
15____⌓, ⌒ in the morning; ● in the morning and at night.
16____● in the morning and night; gusty SWly winds in the morning and afternoon.
17____Somewhat gusty SWly winds at intervals; ● in the morning; ⊕° in the afternoon.
18____⌜° N in the afternoon; ● in the early morning, afternoon and night.
19____d in the early morning and afternoon; p 11.25 a.
20____● in the early morning.
21____Convergence of Ci. toward NNE in the morning; ⌜ N quad., ⌜° S quadrant, ● in the afternoon.
22____Fair weather.
23____● at night.
24____Convergence of Ci. toward NE in the morning; ○° at noon; ⌜° NE quadrant in the afternoon.
25____● in the early morning.
26____Somewhat gusty WSW winds in the afternoon.
27____●² at night.
28____Somewhat gusty SWly winds in the afternoon.
29____○, ⊤ various points, ● in the afternoon.
30____● at night.

OBSERVATIONS FOR JULY, 1911.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	54.10	53.80	54	53.85	54.35	54.06	54.26	54.14	54.01	53.71	53.27	52.72
2	**51.95**	52.05	52.15	52.30	53	53.38	53.86	54.93	55.31	55.69	55.74	55.47
3	57.40	57.15	57.15	57.30	57.55	58.02	58.45	58.58	58.24	58.17	58.52	58.04
4	59.75	59.40	59.10	58.75	58.60	58.85	59.03	59.38	59.64	59.35	59.07	58.86
5	59.50	58.95	58.70	58 55	58.75	59.06	59.60	59.94	60.04	59.99	59.69	59.24
6	59.60	59.20	59.15	58 85	58.90	59.30	59.57	59.59	**59.74**	59.45	59.02	58.84
7	59.05	58.80	58.55	58 50	58.60	58.93	59.03	58.95	59	58.98	58.89	58.33
8	58.80	58.55	58.40	58 35	58.40	58.56	58.84	58.89	58.87	58.88	58.69	58.21
9	58.50	58.50	58.50	58.10	58.15	58.29	58.63	58.73	58.79	58.69	58.72	58.31
10	59.05	58.70	58.40	58.30	58.30	58.54	59.60	59.38	59.20	59.18	58.98	58.57
11	59.10	58.60	58.20	58.30	58.45	58.89	59.23	59.54	**59.77**	59.69	59.46	58.92
12	59.05	58.90	59	58.90	58.90	59.29	59.67	**59.77**	59.57	59.40	59.18	58.73
13	**57.95**	57.40	57.05	57.10	57.20	57.18	57.41	57.21	56.89	56.82	56.69	56.41
14	**54.05**	53.45	53.80	53.50	53.70	53.51	53.43	53.73	53.43	53.22	52.37	51.66
15	51.05	51.20	50.95	**50.85**	51	51.73	52.10	52.10	52.40	52.43	53.07	52.82
16	53.10	**53.05**	53.55	53.20	53.45	53.88	54.43	55.04	54.56	54.51	54.37	53.99
17	55.20	54.75	54.80	**54.60**	54.65	54.96	55.95	56.70	56.46	56.33	56.24	56.07
18	56.85	56.30	55.75	55.80	55.85	56.11	56.34	56.77	**57.09**	57	56.99	56.92
19	56.35	55.95	56	56.10	56.15	56.65	56.74	56.91	57.02	57.07	57.01	56.59
20	56.45	56.05	55.80	55.70	**55.65**	55.94	56.24	56.83	**56.87**	56.84	56.70	56.61
21	55.75	55.45	55.15	54.95	54.95	55.39	55.79	**56.02**	56.01	55.91	56	55.86
22	54.95	54.15	53.70	53.50	53.95	54.41	54.86	**55.19**	55.09	54.96	54.47	54.06
23	53.95	53.55	53	52.95	53	53.23	53.47	53.79	54.09	**54.11**	53.87	53.68
24	52.70	52.55	52.50	52.45	52.15	52.66	52.90	53.13	53.36	53.85	53.45	53
25	53	52.60	52.05	**51.85**	51.90	52.35	53.05	53.12	53.06	53.27	53.02	52.94
26	54.25	53.95	53.85	**53.55**	53.85	54	54.20	54.49	54.56	54.84	54.99	54.72
27	56.85	56.65	56.50	**56.05**	56.20	56.69	56.78	56.94	57.23	57.37	57.38	57.17
28	57.95	57.55	57.55	57.65	57.85	57.71	57.95	58.17	58.48	58.52	58.12	57.58
29	**58.20**	57.85	57.70	57.35	56.95	57.01	57.29	57.40	57.49	57.42	57.42	56.82
30	56.95	56.45	56.25	56.15	56.25	56.36	56.90	**57.10**	57.07	56.89	56.77	56.39
31	55.95	55.80	55.55	55.50	55.30	55.40	55.61	55.91	**56.06**	56.05	56.04	55.59
Mean	56.37	56.04	55.90	55.77	55.87	56.14	56.49	56.72	56.75	56.73	56.59	56.23

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	24.8	24.7	24.5	**24.4**	**24.4**	24.5	25.8	26.8	27.3	28.6	29	**29.1**
2	25.4	24.5	24.6	24.4	24.2	24.4	24.1	24.2	**24**	24.2	24.4	26.2
3	25	24.2	**23.9**	**23.9**	24.3	24.5	25.8	27.8	28.3	29.8	28.8	30.2
4	23.7	23.3	23.1	23	**22.8**	23	26	27.9	29.9	30.2	30.8	**31.4**
5	23.7	23.4	23.2	23.3	23.1	**23**	24.2	26.5	28.7	29.4	29.4	28.7
6	24.6	24	23.2	22.9	22.4	**22.2**	24.5	27.2	29.2	29.7	30.2	27.3
7	24.4	24.4	24.3	24.3	24.1	**24**	26	27.5	28.4	28.5	29.5	**30.6**
8	24.4	24.2	23.4	23.2	22.5	**22.4**	25.7	28.2	27.9	29.3	30.5	30.9
9	25.5	25.4	24.8	24.3	**23.9**	**23.9**	27.2	28.9	29.8	29.4	30.3	30.7
10	25.5	**25.1**	25.8	26.3	25.7	26	26.6	27	29.2	29.7	29.7	29.7
11	25.5	25.2	25.7	24.9	**24.4**	**24.4**	25.8	28.3	28.6	29.3	29.8	29.7
12	25.5	25.4	25.7	25.2	25.2	25.2	27.5	26.2	27.4	29.2	29.5	30.4
13	22.8	**22.6**	22.8	23.1	22.9	23.3	26	26.7	27.5	29.1	29.7	29.8
14	25.6	25.8	24.8	24.6	**24**	**24**	24.3	25	25.1	25.7	25.6	26.4
15	26.7	26.6	26.6	26.9	25.8	25.4	25	24.5	25.5	25.5	26.7	**27**
16	26.6	25.1	25.5	25.5	25.5	25.5	**24.9**	**24.9**	26.2	27.1	27.8	28.6
17	27.1	27.5	25.1	27.1	26.9	26.2	24.8	25.5	26.5	**28.7**	28.2	27.7
18	23.9	23.9	**23.7**	23.9	23.9	24.2	24.2	24.5	**23.7**	24.2	24.7	25
19	24.6	24	**23.9**	24	24.1	24	24.3	24.8	26.1	25.5	25.4	26.7
20	23.7	23.4	23.1	23.1	**23**	**23**	25	23.2	23.8	27	**27.9**	25
21	23.9	23.8	23.8	**23.7**	**23.7**	24	25.1	26.5	**28**	27.4	25.3	26.1
22	24.3	24.1	**24**	24.2	24.4	24.2	24.5	**24**	24.6	25.6	26.5	**28.6**
23	24.3	24	23.6	23.8	23.6	**23.5**	24.4	24.8	24.7	25.7	25.4	**26.5**
24	26	26.7	26.7	26.8	27.3	27.2	27.2	26.7	28	**25.7**	27.6	**27.8**
25	**26.5**	26.6	26.9	27.1	26.9	27.2	27.3	27.6	28.9	29	29.7	**30.4**
26	27.1	27.1	27.2	27.1	27.1	27.1	27.2	28.8	28.6	25.7	27.5	**29.8**
27	25.3	24.9	24.9	24.8	**24.5**	24.7	26.5	27.7	29.7	30	**30.7**	30.2
28	24.7	24.8	24.6	24.4	24.3	24.4	25.3	28	28.7	28.8	29.7	30
29	24.6	24.2	24.1	23.6	**23.5**	23.6	25.6	26.2	28.4	27.6	29	29.7
30	24.5	24.3	24	23.8	**23.6**	23.7	25	27.4	27.1	29.2	29.5	29.7
31	26.3	25.5	26.2	26.3	25.9	26.3	26.6	26.4	**26.9**	26.3	26.2	25.6
Mean	25	24.8	24.6	24.6	**24.4**	24.5	25.6	26.4	27.3	27.8	28.2	28.6

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
52.20	51.72	51.62	51.25	**51.21**	51.66	51.96	51.85	52	52	52.05	51.90	52.82
55.87	55.48	55.44	55.42	55.53	56.36	56.59	57.40	57.75	**58.10**	58.05	57.65	55.23
57.63	57.45	57.14	57.12	**57.06**	58.02	58.48	59.60	60.10	60.30	**60.45**	59.80	58.24
57.93	**57.80**	58.05	58.22	58.23	58.61	59.20	59.70	59.90	**60.15**	60	59.80	59.06
58.66	57.87	57.77	**57.68**	57.73	58.39	59.03	59.40	59.60	**60.25**	60.05	60	**59.10**
58.12	57.61	57.43	**57.16**	57.23	57.37	57.87	58.35	58.85	59.35	59.20	59	58.70
57.97	57.57	56.94	**56.90**	56.95	57.41	57.97	58.50	58.80	**59.45**	**59.45**	59.15	58.44
57.53	56.85	56.40	**56.12**	56.41	57.77	57.70	58.10	58.65	59	**59.10**	59.05	58.17
57.96	57.27	**57.05**	57.11	57.08	57.49	57.95	58.45	58.95	59.05	**59.45**	59.10	58.28
58.05	57.54	**57.34**	57.41	57.47	58.12	58.36	58.65	59.15	59.60	**59.80**	59.35	58.63
58.22	57.39	**57.20**	57.42	57.91	58.18	58.68	59.10	59.40	59.75	59.65	59.20	58.76
58.09	57.55	57.07	**56.65**	56.72	56.78	57.04	57.25	58.75	59.25	59.10	58.80	58.48
55.93	55.40	54.74	54.73	**54.03**	54.39	54.23	54.85	55.25	55.30	55.40	54.45	56
51.46	51.36	50.65	**50.19**	50.41	50.89	51.21	51.40	51.80	51.90	51.95	51.80	52.29
52.91	52.15	51.95	51.07	51.44	52.45	52.55	52.60	52.90	**53.95**	53.85	53.45	**52.21**
53.70	53.56	53.68	53.45	53.83	54.19	54.60	55.40	55.70	**55.85**	55.75	55.60	54.27
55.73	55.21	55.06	55.32	55.35	55.39	56.30	56.50	56.25	56.50	**57.45**	57.25	55.79
56.66	56.10	55.55	55.20	**55**	55.29	55.94	56.20	56.60	56.90	56.70	56.40	56.26
55.84	55.30	55.28	**55.20**	55.42	55.73	56.39	56.85	57.25	**57.60**	57.55	57.05	56.42
56.10	55.74	55.86	55.94	56.02	56.42	56.62	56.80	56.80	56.85	56.60	56.15	56.32
55.29	55.02	54.64	54.56	54.51	**54.45**	54.70	55.35	55.50	55.65	56	55.85	55.36
53.94	53.53	53.17	53.33	**53**	53.13	53.45	53.65	54	54.35	54.85	54.35	54.08
53.01	52.51	52.77	52.41	**52.37**	53.11	53.76	53.95	54.10	54.10	54.05	53.40	53.43
52.96	52.52	52.32	52.12	**52**	52.79	52.84	53.25	53.75	**53.95**	53.90	53.45	52.94
52.92	52.70	52.38	52.18	52.52	53.04	53.59	53.90	54.25	**54.70**	**54.70**	54.45	53.06
54.28	54.12	54.04	53.86	54.06	54.59	55.29	55.55	56.20	56.50	56.60	**56.65**	54.71
56.87	56.94	56.69	56.71	56.61	57.08	57.55	58.30	58.45	**58.65**	58.55	58.30	57.19
57.45	56.82	56.45	**56.32**	56.67	57.23	58.03	58.20	**58.65**	58.50	58.45	58.50	57.76
56.57	55.90	55.76	**55.72**	55.83	55.96	56.65	56.80	57.05	57.45	57.50	57.35	56.98
55.86	55.46	55.12	55.21	**54.96**	55.36	55.85	56.35	56.40	56.55	56.50	56.10	56.22
55.35	54.80	54.65	**54.24**	54.40	54.65	54.79	54.85	54.90	55.05	55	54.75	55.26
55.84	55.39	55.17	**55.04**	55.10	55.56	55.97	56.36	56.70	56.99	**57.02**	56.71	56.14

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
28	27.8	27.1	27	27.3	26.5	26.5	26.5	26.5	26.6	26.1	26.1	26.5
25.3	26.7	**27.2**	26.9	26.9	25.9	24.6	24.3	24.1	24.3	24.8	25.1	25
31.3	30.8	28.9	29.5	29.6	28.4	27.8	25.4	25.8	25.1	24.4	**23.9**	27
31.4	31.2	30.1	28.3	27.4	26.7	25.6	25.2	24.7	24.5	24.2	24	26.6
30	29.2	28.9	28.5	28	27.3	26	25.1	24.8	24.3	24.9	24.8	26.2
28.7	30.1	27.1	30.9	**31.1**	29.3	27.4	27.1	26.5	26	25.5	25	26.8
29.7	29.8	29.2	29.1	29.2	28.5	27.2	26.4	26.4	26	25.7	24.9	27
31.7	32	**32.1**	**32.1**	**32.1**	27	26.2	26.4	26.4	26.4	26.6	26.1	27.4
31.4	**31.7**	31.2	30.4	30.2	28.4	27.9	27.5	27.5	27.4	27.3	26.6	**28**
30.4	**31.1**	30.6	30	29.5	27.4	27.2	27.3	27	26.4	26.1	26.2	27.7
30.4	30	**30.4**	29.3	26.3	24.9	25.2	25.1	27	27.3	27.3	26.8	27.2
30.8	30.7	**31.2**	30.5	29	28	27.3	27.1	23.6	**22.2**	22.4	22.7	27
30.1	30	28.4	28	28.2	27.8	27.6	27.6	26.8	26.6	26	25.7	26.6
26.8	26.6	**27**	26.7	26.4	26.2	25.9	26.3	26.7	26.7	26.3	26.1	25.8
25.5	26.2	**23.4**	25.9	**27**	25.2	25.9	26.5	26.7	23.7	24	24.6	25.7
29	28.7	28.6	28.3	26.9	27.5	27.6	27.3	27.3	27.4	27.5	26.3	26.9
27.2	27.7	27.6	25	24.8	24.6	24.4	24.2	24.4	24.6	**24.1**	**24.1**	26
25.7	26	**26.6**	26.5	26	25.6	25.5	25.2	25.1	24.7	24.5	24.4	24.8
27.3	**27.5**	27.3	27.1	26	25.7	25.5	25	25.1	24.7	24.5	24.1	25.3
26.3	26.4	26.6	25.4	24.8	24.1	23.8	23.6	23.4	23.6	24.3	24.3	**24.5**
26.7	26.1	26	26	25.7	25.3	24.7	24.6	25.2	24.8	24.1	24.6	25.2
26.8	25.6	25.2	25.2	25.2	25.3	25	25.1	25	25.2	24.2	24.5	25.1
26.3	25.4	**23.5**	25.4	26	25.1	25.2	25.7	25.6	25.5	25.7	26.4	25
27.5	27.2	27.6	26	26.4	26.4	27	26.6	26.5	26.3	26.2	26.8	26.8
29	27.9	27.1	28.6	28.5	27.8	27.6	27.4	27.1	27.3	27.7	27.4	27.8
29.8	28	28.3	29.5	27.9	27.6	26.8	26.5	26.2	25.8	26	**25.6**	27.4
30	30.6	30.6	30.4	29.5	27.8	26.7	26.8	25.9	25.1	25.2	25	27.4
29.1	30.3	30.3	**30.5**	29	27.3	25.2	24.3	24.4	**24.2**	24.3	24.4	26.7
30.6	28.2	27.9	27.7	27.4	26	25.3	24.9	24.7	24.7	24.8	24.6	26.1
30.1	**30.2**	28.4	28.3	28	27.8	27.5	27.4	27.1	27.2	27.1	26.2	27
25.4	26.8	25.7	26.1	25.7	25.4	**25.1**	25.7	25.6	26.1	26.6	26.1	26
28.7	28.6	28.1	28	27.6	26.7	26.2	25.9	25.8	25.5	25.4	25.3	26.4

RELATIVE HUMIDITY (%).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	92	93	**95**	93	92	92	91	83	83	75	**72**	77
2	93	96	94	94	95	95	96	96	**97**	95	95	89.5
3	85	91	92	91	92	93	90	84	79	73	77	69.5
4	94	95	96	**97**	**97**	**97**	90	83	74	70	69	65
5	94	96	**97**	**97**	**97**	**97**	94	88	80	**73**	76	78
6	91	91	93	93	**94**	93	89	79	71.5	72	70	80
7	91	91	91	91	91	**92**	88	81	79	78	73	**68**
8	90	91	**94**	92	**94**	92	86	78	75	72	70	69
9	88	88	90	92	**93**	**93**	88	74	73	79	72	69
10	**92**	91	88	84	86	87	85	83	75	75	72.5	75
11	85	87	88	91	93	94	90	80	77	74	71	72
12	**95**	93	90	92.5	91	91	84	90	84	78	76	74
13	91	93	93	91	**94**	92	85	88	84	**73**	76	79
14	88	86	92	**93**	91	**93**	92	88	90	**83**	86	85
15	90	89	89	89	88	92	94	**96**	95	93	**80**	80.5
16	90	**99**	88	92	94	93	90	90	86	83	81	76
17	87	85	91	86	88	91	93	88	82.5	78	**76**	78
18	**99**	**99**	**99**	97	97	96	96	97	96	96	93	92
19	94	94	**95**	93	93	94	94	**95**	92	92	93	88
20	97	97	**98**	97	97	97	94	94	90	84	**79**	92
21	93	93	92	91	91	93	91	83	**80**	83	92	**98**
22	95	95	96	94	94	93	91.5	**97**	94	90	88	**83**
23	**97**	94	95	94	96	96	94	96	94	**89**	91	**89**
24	88	85	83	83	82	**80**	**80**	86	84	**93**	81	81
25	86	86	84	82	82	82	82	80	76	76	**75**	80
26	87	87	86	87	87	87	86	81	81	93	83	**79**
27	93	95	95	95	**96**	95	90	81	75	76	**72**	**72**
28	**96**	94	95	**96**	**96**	95	**96**	83	80	80	76	77
29	94	95	95	**97**	96	95	93	88	83	84	79	77
30	95	96	**97**	**97**	**97**	**97**	95	83	82	78.5	78	77
31	86	89	87	86	88	86	**84**	89	86	87	90	**95**
Mean	91.5	92.1	92.2	91.9	92.3	**92.4**	90	86.5	83.2	81.5	79.4	79.5

VAPOR PRESSURE (mm).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	21.5	21.5	21.7	21.2	**21**	21.1	22.4	21.6	22.3	21.7	21.5	23.1
2	22.5	21.9	21.6	21.3	21.3	21.6	21.4	21.5	21.4	21.3	21.6	22.6
3	**20**	20.3	20.3	20.1	20.9	21.3	22.3	23.5	22.5	22.6	22.6	22.1
4	20.5	**20.1**	**20.1**	20.2	**20.1**	20.3	22.5	**23.2**	**23.2**	22.4	22.6	22.2
5	20.5	20.4	20.4	20.5	20.5	**20.3**	21.1	22.6	23.3	22.2	23.3	22.9
6	20.8	20.3	19.7	19.3	18.9	**18.5**	20.3	21.2	21.5	22.3	22.4	21.5
7	20.6	20.6	20.5	20.5	20.4	20.4	21.9	22	22.7	22.6	22.4	22.1
8	20.4	20.3	20.1	19.5	19	**18.5**	21.1	22.1	21	21.9	22.6	23
9	21.3	21.1	20.9	20.9	**20.5**	**20.5**	23.6	21.9	22.6	23.9	23.2	22.7
10	22.2	21.5	21.9	21.3	21.1	21.7	21.9	22.1	22.6	23.3	22.4	23.1
11	**20.7**	**20.7**	21.7	21.2	21.2	21.3	22.3	22.9	22.3	22.5	22	22.3
12	23	22.5	22.1	22	21.6	21.6	22.8	22.8	22.9	23.4	23.2	23.7
13	**18.8**	18.9	19.2	19.1	19.5	19.6	21.1	22.9	23	21.8	23.5	24.5
14	21.6	21.2	21.5	21.4	**20.3**	20.7	20.9	20.8	21.3	20.4	21	21.7
15	23.3	23	23	23.4	21.9	22.1	22.1	21.9	23	22.6	20.9	21.3
16	23.4	23.5	21.3	22.2	22.8	22.6	**21**	**21**	21.8	22	22.4	22.1
17	**23.2**	**23.2**	21.5	22.8	**23.2**	23	21.7	21.3	**21.2**	22.9	21.6	21.5
18	21.9	21.9	21.6	21.5	21.5	21.5	21.5	22	**20.8**	21.5	21.5	21.6
19	21.6	20.8	20.9	**20.7**	20.8	20.8	21.2	22.1	**23**	22.2	22.3	22.9
20	21	20.6	20.6	20.5	20.3	20.3	22.1	19.8	19.7	**22.3**	22.2	21.6
21	20.5	20.4	20.2	**19.9**	**19.9**	20.7	21.5	21.4	22.5	22.5	21.9	**24.5**
22	21.4	21.1	21.2	21.1	21.3	20.9	20.9	21.4	21.6	22	22.6	**24**
23	21.8	20.8	**20.5**	20.6	20.7	20.6	21.3	22.3	21.8	21.9	21.9	22.8
24	21.9	22.1	21.5	21.8	22.1	**21.4**	**21.4**	22.5	**23.5**	22.7	22.3	22.4
25	22.2	22.2	22.1	21.8	**21.6**	21.9	22.1	21.9	22.5	22.7	23.3	**25.9**
26	23.2	23.2	23	23.2	23.1	23.1	23	23.8	23.5	22.7	**22.6**	24.8
27	22.3	22.2	22.2	22.1	**21.9**	**21.9**	23.2	22.3	23.3	23.9	23.8	23
28	22.2	21.9	21.8	21.7	21.6	21.6	23	23.3	23.5	23.4	23.5	**24.2**
29	21.6	21.3	21.1	21.1	20.6	**20.5**	22.8	22.2	23.9	22.9	23.6	23.7
30	21.7	21.6	21.4	21.2	**20.9**	21	22.4	22.5	21.8	23.6	23.8	**24**
31	21.9	**21.7**	22	21.9	21.8	21.9	21.8	22.7	22.5	22.1	22.8	**23.2**
Mean	21.6	21.4	21.2	21.2	**21**	21.1	21.9	22.1	22.3	22.5	22.5	22.9

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
80	85	90	88	84	88	88	93	91	92	92	91	87.5
92	88	80	80	79	85	90	91	92	90	87	85	90.6
69	69	78	78	77	80	79	88	85	90	92	94	83.1
62	64	67.5	79	81	82	86	88	91	91.5	93	93	83.5
73	75	79	80	82	83	88	91	91	92	89	90	86.7
74	67.5	81	68	69	75	82	80	80	83	86	87.5	81.2
69	72	77	77	78	81	87	89	88	89	86	87	83.1
67	63	63	63	66	77.5	85	86	85	85	83	85	79.6
70	68	69	74	74	79	82	84	83	84	84	86	80.7
72	72	70	76	75	81	81	79	81	82	84	83	80.4
68	71	73	77	94	97	96	93	91	90.5	90	90	84.7
72	70.5	73	75	80	80	85	87	91	89	91	90	84.2
80	80	82	82	84	88	87	86	88	89	91	93	86.2
86	86	84	84	86	85	88.5	85	85	89	89	88	87.6
88	89	96	89	91	93	91	92	92	93	91	94	90.6
75	73	75	77	81	81	81	84	84	86	86	93	84.9
84	81.5	83	95	93	96	97	98	97	97	99	99	89.3
92	89	84	82.5	86	90	90	90	92	93	93	93	93
84	78.5	81	83	88	88	89	92	91	92	92	95	90.4
86	86	83	84	87	91	88	89	90	89	91	91	90.5
83	85	85	82	86	88	90	91	88	91	93	93	89
90	91	90	90	92	93	92	92	92	92	92	94	92.1
90	97	97	95	91	90	91	90	89	92	91	89	92.8
84	83	84	90	89	87	83	86	86	85.5	85	84	84.7
86	84.5	87	83	81	84	84	87	87	87	84	85	82.9
83	85	85	80	88	87	86	90	93	93	94	97	86.9
77	76	76	77	80	84	85	86	92	94	93	93	85.3
77	75.5	75.5	74	80	85	87	91	93	93	93	96	86.8
74	78	82	84	84	85	89	92	92	95	95	95	88.4
75	74	77	80	80	79	81	82	83	83	83	87	84.9
91	87	89	89	90	92	92	91	91	91	90	88	88.9
79.1	78.8	80.5	81.1	83.1	85.6	87.1	88.5	88.8	89.8	89.7	90.6	86.5

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
22.5	23.6	23.9	23.3	22.5	22.6	22.6	23.9	23.4	23.8	23	22.9	22.4
21.9	22.9	21.4	20.9	20.8	21	20.7	20.6	20.6	20.3	20.3	20.1	21.3
23.4	22.6	22.9	23.8	23.6	22.8	22	21.3	21.1	21.3	21	20.7	21.9
21.2	21.5	21.4	22.5	22.1	21.3	21	21.1	21	20.9	20.9	20.7	21.4
23.1	22.6	23.4	23	22.9	22.3	21.9	21.5	21.1	20.9	20.9	20.9	21.8
21.7	21.4	21.6	22.5	23.1	22.7	22.2	21.2	20.6	20.7	20.9	20.6	21.1
21.2	22.4	23.2	23.1	23.4	23.4	23.2	22.7	22.4	22.3	21.1	20.3	21.9
23.3	22.3	22.5	22.5	23.5	20.5	21.4	21.9	21.7	21.7	21.4	21.4	21.4
23.9	23.6	23.2	24	23.7	22.7	23	22.8	22.6	22.9	22.7	22.3	22.5
23.3	24.1	23	23.9	22.8	21.8	21.6	21.3	21.5	20.9	21.1	21	22.1
22	22.3	23.5	23.4	23.7	22.6	22.8	22.1	24.1	24.3	24.2	23.7	22.5
23.9	23.1	24.5	24.3	23.7	22.5	22.9	23.1	19.8	17.8	18.3	18.5	22.2
25.2	25.1	23.5	23.1	23.8	24.3	23.7	23.6	23	23	22.7	22.7	22.3
22.4	22.2	22.3	21.9	21.9	21.6	22	21.6	22.1	23.1	22.5	22.1	21.6
21.4	22.4	20.4	22.2	24.1	22.2	22.6	23.6	23.9	20.2	20.3	21.6	22.2
22.3	21.3	21.9	21.9	21.3	22.2	22.3	22.5	22.5	23.3	23.4	23.6	22.3
22.6	22.4	22.8	22.4	21.7	22	21.9	22.1	22.1	22.2	22.1	22.1	22.2
24.5	22.3	21.8	21.2	21.5	22	21.8	21.4	21.9	21.5	21.3	21.2	21.7
22.5	21.4	21.7	22	21.9	21.5	21.7	21.6	21.5	21.2	21.1	21.1	21.6
21.9	21.9	21.4	20.3	20.2	20.2	19.3	19.2	19.2	19.2	20.5	20.5	20.6
21.5	21.3	21.3	20.6	21.1	21	20.8	20.8	21.1	21.1	20.8	21.4	21.2
23.4	22.1	21.4	21.4	21.8	22.2	21.7	21.7	21.7	21.8	20.7	21.5	21.7
22.9	23.3	21	22.9	22.7	21.3	21.6	22.1	21.8	22.2	22.3	22.7	21.8
22.8	22.2	23.2	22.5	22.7	22.3	22.1	22.3	22.2	21.7	21.6	22	22.2
25.4	23.6	23.1	24	23.4	23.5	22.9	23.5	23.2	23.4	23.3	23	23
25.8	23.8	24.4	24.5	24.7	24	22.6	23	23.4	23.1	23.5	23.6	23.6
24 4	24.9	24.9	24.8	24.5	23.5	22.1	22.4	22.8	22.3	22.2	22	23
23.1	24.2	24.2	23.9	23.7	22.9	20.7	20.5	21.1	20.9	21	21.7	22.5
24	22.1	22.7	23.1	22.9	21.1	21.4	21.4	21.4	21.9	22.1	21.8	22.1
23.7	23.7	22.3	22.9	22.5	22	22.2	22.2	22.3	22.2	22.3	22	22.3
21.9	22.8	21.9	22.5	22.1	22.1	21.9	22.3	22.1	22.9	23.1	22.1	22.2
23	22.8	22.6	22.8	22.7	22.2	22	22	21.9	21.8	21.7	21.7	22

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Ci.-S.				Ci.-S.		Ci.-S.					
2												
3	A.-Cu.	S	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
4	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
5	Ci.		A.-Cu.		A.-Cu.		A.-Cu.		Ci.			
6	A.-Cu.		A.-Cu.		Ci.-S.		Ci.					
7	A.-Cu.	NE	Ci.-S.		A.-Cu.	NE	Ci.-S.		Ci.-S.		A.-Cu.	
8	Ci.		Ci.	SE	Ci.	SE	Ci.-Cu.		Ci.			
9	A.-Cu.		Ci.									
10	Ci.		Ci.		Ci.-S.	SSE	Ci.-S.		Ci.-S.		Ci.	
11	Ci.		Ci.		Ci.-S.		Ci.-S.		Ci.		A.-Cu.	
12									Ci.-S.		Ci.-S.	
13	Ci.				Ci.		Ci.-S.		A.-Cu.		Ci.	
14												
15												
16												
17					Ci.-S.		Ci.-S.		Ci.-S.			
18											Ci.-S.	
19					Ci.-S.				Ci.-S.			
20					Ci.-S.							
21	A.-Cu.				A.-Cu.							
22							Ci.-S.		Ci.-S.		Ci.-S.	
23												
24												
25			Ci.-S.		Ci.-S.				A.-Cu.			
26	A.-Cu.		A.-Cu.	WNW	A.-Cu.				Ci.-S.		Ci.-S.	
27	A.-Cu.		Ci.-S.		A.-Cu.		Ci.-S.		A.-Cu.		A.-Cu.	
28	Ci.-S.		A.-Cu.		A.-Cu.	NE	Ci.-S.		A.-Cu.	NE	Ci.-S.	
29	Ci.		Ci.		Ci.						Ci.	
30	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.-S.	
31			Ci.-S.		Ci.-S.							

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Cu.-N.	NW	Fr.-N.	NW	Fr.-N.	NW	Cu.-N.	WNW	Cu.-N.		Cu.-N.	
2	N.		N.	SW	N.	SW	N.	SW	N.		N.	
3	Cu.-N.		Cu.		Cu.	S	Cu.	S	Cu.-N.		Cu.-N.	
4	Cu.		S.-Cu.	SSE	Fr.-Cu.	SSE	S.-Cu.	SSE	Cu.		Cu.	
5	Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	E	Fr.-N.	E
6	Cu.		Cu.		Cu.	ENE	Cu.	NE, ENE	Cu.	NE, ENE	Cu.-N.	
7	Cu.		Cu.	E	Cu.	E	Cu.-N.	E	Cu.-N.		Cu.-N.	
8	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
9	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
10	Cu.		Cu.	WSW	Cu.	WSW	Cu.	WSW	Cu.		Cu.	
11	Cu.	WNW	Cu.	WNW	Cu.	WNW	Cu.	WNW	Cu.	WNW	Cu.	WNW
12	Cu.-N.	WNW	Fr.-N.	WSW	Fr.-N.	WSW	Cu.-N.		Cu.-N.		Cu.	WbyN
13	Cu.	NW	Cu.-N.	NW	Cu.	NW	Cu.	WNW	Cu.-N.		Cu.-N.	
14	N.	W	N.		N.	W	Cu.-N.	W	N.	W	N.	
15	N.		N.		N.		N.	WbyS	Cu.-N.	WbyS	N.	
16	N.	WSW	N.		N.	WbyS	N.	WbyS	N.	WbyS	N.	WbyS
17	N.		N.	WSW	N.	WSW	Cu.-N.		N.-cf.	SW	Cu.-N.	
18	Cu.-N.		N.		N.		N.		N.		N.	
19	Fr.-N.	SW	Fr.-N.	SW	N.	SW	N.		N.		N.	
20	N.-cf.	WSW	N.		N.		Cu.-N.	SW	N.-cf.	SW	N.	
21	Fr.-N.	SW	Cu.-N.	SW	Cu.-N.	SSW	Cu.-N.	SSW	N.	SSW	N.	SWbyW
22	N.	WSW	N.	WSW	Cu.-N.	SWbyW	Cu.-N.	SWbyW	Cu.-N.	SW	N.-cf.	SW
23	N.	SW	Fr.-N.	WSW	N.	SW	Fr.-N.	SWbyW	N.	SWbyW	Cu.-N.	W
24	Fr.-N.	WSW	Fr.-N.	SW	Fr.-N.	SW	N.	SW	N.	SW	Fr.-N.	
25	Cu.-N.	WSW	Cu.-N.		S.-Cu.		Cu.	W	Cu.		Cu.-N.	W
26	Cu.-N.	WSW	Cu.	WSW	Cu.	WSW	Cu.-N.		Cu.		Cu.	
27	S.-Cu.	SWbyW	Cu.		Cu.		Cu.		Cu.		Cu.	
28	S.-Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.		Cu.	
29	S.-Cu.	WbyN	Cu.	WbyN	Cu.	WbyN	Cu.-N.		Cu.		Cu.	
30	N.-cf.		Cu.	NW	N.-cf.	NW	Cu.		Cu.		Cu.	
31	Cu.-N.	WbyS	Cu.-N.		Cu.-N.		Cu.-N.		N.	W	Cu.-N.	W

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
								Ci.-S.			
A.-Cu.		Ci.-S.								Ci.-S.	
Ci.-S.	N	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
				Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
				Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
		Ci.-S.						Ci.-S.		Ci.-S.	
Ci.-S.		Ci.									
				Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
A.-Cu.	NW	Ci.-S.		A.-Cu.	NW	Ci.-S.		Ci.-S.		Ci.-S.	
Ci.-Cu.	EbyN	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
								Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.			
Ci.-S.		Ci.-S.									
		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.			
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.				Ci.-S.	
		Ci.-S.		Ci.-S.							
								Ci.-S.		Ci.-S.	
				Ci.-S.						Ci.-S.	
				A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.	SSW
A.-Cu.				A.-Cu.						Ci.	
		Ci.-S.		Ci.-S.		Ci.-S.		A.-Cu.	SW	A.-Cu.	SW
A.-Cu.	NE	Ci.-S.		Ci.-S.		Ci.-S.		A.-Cu.			
Ci.						Ci.-S.				Ci.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
				Ci.-S.							

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Cu.-N.		Fr.-N.	W	N.	W, WNW	Cu.-N.		N.		N.	
N.		N.	SSW	Fr.-N.	SSW	Fr.-N.		Fr.-N.		Fr.-N.	
Cu.	SSW	Cu.	SSW	Cu.	SSW	Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.	
Cu.-N.		Cu.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.		Cu.	
Cu.-N.	ENE	Cu.-N.	ENE	N.-cf.		Cu.		Cu.		Cu.	
Cu.-N.	E	Cu.		Cu.-N.	E	Cu.-N.		Cu.		Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.-N.		Cu.-N.	
Cu.		Cu.		Cu.		Cu.	SEbyE	Cu.	SEbyE	Cu.	
Cu.	WSW	Cu.	WSW	Cu.	WSW	Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.-N.		N.		Cu.-N.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.-N.	WNW	Cu.-N.	WNW	Cu.-N.	WNW	Cu.		Cu.		Cu.	
N.	W	N.	W	Cu.-N.	W	N.	W	N.	W	N.	W
N.	WSW	Fr.-N.		N.		Fr.-N.	SW	N.		N.	
Fr.-N.	WSW	Fr.-N.	WSW	Fr.-N.	WSW	Fr.-N.		Fr.-N.	SWbyW	Fr.-N.	WSW
Cu.-N.		Cu.-N.	W	Cu.-N.	W	Cu.-N.	W	N.		Cu.-N.	
Cu.-N.	WSW	Cu.-N.	WSW	N.-cf.	WNW	N.-cf.		N.-cf.		N.-cf.	W
N.-cf.	SW	N.-cf.	SW	N.-cf.	SW	Cu.		N.	SW	N.-cf.	
Cu.-N.	SW	Cu.-N.	SW	Cu.-N.	SW	Cu.-N.	SW	Cu.-N.		Cu.-N.	
N.		N.	WSW	N.	WSW	Cu.-N.		Cu.-N.		Cu.-N.	
N.	SW	N.	SW	N.	SW	N.	SW	N.	SW	Cu.-N.	
Fr.-N.	SW	N.		N.		N.	SW	Cu.-N.	SW	N.	
N.	SW	Cu.-N.	SW	Fr.-N.	SW	N.	SW	Cu.-N.	SW	N.-cf.	SW
Cu.-N.	W	N.	WbyS	Cu.-N.	WbyS	Cu.	W	Cu.	WbyS	S.-Cu.	WbyS
Cu.		Cu.-N.	WbyS	Cu.	WbyS	Cu.	W	Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.	E	Cu.	E	Cu.	EbyN	Cu.-N.	E	N.	
Cu.	E	Cu.-N.		Cu.-N.	E	Cu.-N.	E	Cu.-N.		Cu.-N.	
Cu.	WSW	Cu.		Cu.	WSW	Cu.-N.		N.-cf.		N.-cf.	
N.		Cu.-N.		Cu.-N.	W	Cu.-N.	W	Cu.-N.		Cu.-N.	

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	NNW	2	NNW	2	N	1	N	2	NNE	1	NNE	1.5
2	SSW	8	SSW	9.5	SSW	9	S by W	6.5	S	5.5	SSE	6
3	SSE	3.5	SSE	2	SSE	1	SSE	1.5	SSE	1	SE	4.5
4	NE	1.5	NE	1	NNE	.5	Calm		ESE	.5	Calm	
5	NE	1	Calm		Calm		NE	1.5	Calm		Calm	
6	N	.5	N	3	N	2	NE.	1	Calm		Calm	
7	Calm		Calm		Calm		NNE	1.5	NNE	.5	Calm	
8	NE	.5	Calm		NE	.5	NE	1	NE	1	Calm	
9	S	.5	Calm		ESE	1	Calm		Calm		Calm	
10	N	1.5	SE	2	WSW	4.5	WSW	8	SW by W	7.5	SW by W	8
11	SW	2.5	SSW	2	W	.5	ENE	.5	Calm		Calm	
12	E	.5	ESE	1	SW	1.5	Calm		Calm		ESE	1.5
13	Calm		Calm		Calm		Calm		Calm		Calm	
14	W by S	10	W by N	11.5	W	6.5	WSW	6	W	10	WSW	10
15	WSW	20	WSW	18	WSW	17	W by S	19	WSW	11.5	WSW	11
16	SW	10	SW by W	20	SSW	13	SW by W	13	SW by W	16	WSW	10
17	SW by W	15	SW	13.5	W by S	10	SW	8.5	SW	15	S	3
18	NNW	1.5	SSE	1.5	SE	1	SSW	2.5	WSW	1.5	Calm	
19	Calm		S	4.5	S	.5	S	3.5	Calm		Calm	
20	Calm		Calm		Calm		Calm		Calm		Calm	
21	ENE	.5	Calm		Calm		S	1.5	S	1	Calm	
22	Calm		Calm		Calm		Calm		WSW	6.5	WSW	6
23	SSW	5	S	5	S	3	S	3	SSE	1.5	SSE	1.5
24	SSW	5	SSW	6	SW by S	6.5	SW by S	6.5	SW	8.5	SSW	7.5
25	SW	10	SW	11.5	SW by S	13.5	SW	16.5	SW by S	10	SW	6
26	SW	6	SW	4.5	SSW	4.5	SW	8.5	SW by S	6	SSW	4.5
27	W	7	Calm		SW	1	Calm		Calm		Calm	
28	Calm		SE	.5	Calm		Calm		Calm		Calm	
29	Calm		Calm		Calm		ENE	.5	ENE	.5	Calm	
30	Calm		SE	.5	SE	.5	Calm		ESE	.5	Calm	
31	WSW	8.5	WSW	5	WSW	5.5	WSW	7	W by S	8	WSW	7
Mean		3.9		4		3.4		3.9		3.7		2.8

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	WSW	10.5	WSW	12	WSW	8	W by S	8	W	16	W	9.5
2	S by E	2.5	SE	2	SSE	3.5	SSE	7	SSE	4.5	SSE	4
3	WSW	3.5	WSW	2	W	1.5	W	2.5	W	2	WSW	1
4	SW	1.5	Calm		Calm		S	2.5	SSE	1	SE	1
5	Calm		Calm		SE	2.5	Calm		Calm		ESE	.5
6	WSW	1.5	W	1.5	NNW	1	Calm		Calm		Calm	
7	WNW	1	NNW	.5	NNE	3	ENE	1	Calm		Calm	
8	WSW	1	WSW	2	W by S	3.5	W	3	WSW	3	SE	3
9	WSW	5	WSW	9	W by S	9	WSW	8	WSW	9	WSW	8.5
10	WSW	1.5	SW	6	WSW	5	SSW	4	SSW	5.5	SW	7
11	W	2	SW	3.5	WSW	6	SW	4	WSW	1.5	WSW	5
12	W	1.5	W	2.5	SW	2.5	SW by W	5.5	SW	3	SW	6.5
13	WSW	4	SW	6	WSW	9	W by S	10	WSW	10	W	14
14	WSW	14	WSW	15	WSW	16.5	WSW	17	WSW	18	WSW	17
15	WSW	15.5	WSW	16	WSW	14	SW	14	SW by W	20	WSW	15
16	SW	9	SW	14	SW by W	14	SW	12	SW by W	11	SW	9.5
17	SW	7.5	SW	7	SW	8	W	3.5	SW by W	5	Calm	
18	Calm		WSW	2.5	NW	3	WNW	3.5	Calm		W	5
19	WSW	3	SW	3.5	SW	5	SW	2.5	WSW	5.5	SW	3
20	NE	1	Calm		SSW	3.5	SSW	5.5	S	3.5	SSW	4
21	WSW	13	WSW	8	WSW	6	WSW	3.5	WSW	1.5	Calm	
22	SW	7	SW	12	SSW	7	SSW	5.5	Calm		SSW	2.5
23	S	2	SSE	1.5	SW	2.5	SSW	4.5	SSE	2.5	SSW	6.5
24	SSW	5	SW	8	SSW	8	SSW	9	S	5.5	SW	5.5
25	SW	8	SW	7	SW by W	11	SW	9	SW	8.5	SW	7
26	WSW	7.5	WSW	10.5	WSW	7	WSW	7.5	WSW	4	WSW	5.5
27	Calm		SW	3	Calm		WSW	3	SW	3	Calm	
28	W	1	WSW	1.5	W	1.5	SW	3	SSW	3	S	2
29	WSW	2.5	WSW	1.5	Calm		SW	1.5	SW	2	SSE	1
30	SW	4.5	SW	6.5	WSW	8	WSW	6.5	WSW	5.5	SW	5.5
31	WSW	5.5	WSW	8	W by S	8.5	W	7	WSW	4	SW	3
Mean		4.6		5.6		5.7		5.6		5.1		4.9

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
N	1.5	NW	4.5	WNW	3	NW	3.5	W	6.5	WSW	7
SE	6	SE	3	SSE	3.5	SSE	4.5	SE	1.5	SE	2
SE	4.5	SE	4	SE by E	2	SE	5.5	SE by S	5	WSW	5
Calm		Calm		SE	.5	ESE	.5	ESE	.5	Calm	
NE	.5	Calm		E	1	SE	1.5	WSW	3	Calm	
Calm		Calm		Calm		NW	3	WNW	1.5	Calm	
NW	2.5	Calm		Calm		WNW	1.5	W	2.5	W	2.5
Calm		Calm		WNW	.5	W	1.5	W	1.5	W	1.5
Calm		Calm		SW	1.5	WSW	2.5	W	2.5	W	3.5
Calm		NE	1.5	WNW	1	WSW	2.5	W	2	SSW	1.5
Calm		Calm		Calm		SSW	2.5	WSW	3	SW	1.5
Calm		SSE	4.5	Calm		NNW	1.5	NW	2.5	NW	1
Calm		NW	1.5	NW	2.5	NW	2.5	WNW	1.5	W by S	6
W by S	6	W	9	WSW	7	W	8	WSW	10.5	WSW	7
WSW	12	SW by S	19	SW by W	17	WSW	19	SW by W	12	WSW	14
SW	9	SW by W	9	SW by S	7	SW	9	WSW	11	SW	9
SW	10	SW	9.5	SW by S	6	Calm		Calm		WSW	14.5
Calm		SE	.5	WSW	9	W	3	WSW	6	WNW	6.5
Calm		Calm		Calm		Calm		W	7	W	5.5
Calm		NW	6.5	NNW	4	Calm		Calm		Calm	
SE	2	SSE	3	SSW	6	S	4.5	SW	5.5	SW	5
SW	6	SSW	3	S	1	S	5.5	SSW	1	SW	6
Calm		S	2.5	WSW	5.5	SW	6.5	S by W	6.5	SW by S	5.5
SW	7	SSW	6	SSW	4	SW	11	SW	7	SSW	5.5
SSW	8.5	SW	8.5	SW by S	6.5	SW	8.5	SW	6	SW	6.5
WSW	7.5	SW	7.5	SSW	4	WSW	9.5	SW	5.5	SW	8.5
Calm		Calm		S	1	Calm		SW	2.5	SSW	1.5
Calm		Calm		Calm		WSW	.5	WSW	1	Calm	
Calm		Calm		Calm		SSW	1	SW	4	WSW	1.5
Calm		Calm		Calm		Calm		SW	1.5	WSW	3.5
WSW	9	WSW	6.5	W by N	2.5	WSW	2.5	WSW	5	W by S	5.5
	3		3.5		3.1		3.9		4		4.4

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		Midnight.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
W	6	SW	5	SW by W	9	WSW	12	SW by W	16.5	SSW	12.5	6.7
SSE	3.5	SSE	2	SSE	2	SSE	1	SSE	2	SSE	2	4.2
SW	2.5	SW by S	4	SSW	2	Calm		NNE	.5	NE	1	2.6
Calm		Calm		Calm		NE	.5	Calm		NE	.5	.5
Calm		NE	.5	Calm		N	1	NE	1.5	N	.5	.6
Calm		Calm		E	.5	E	.5	Calm		Calm		.7
Calm		Calm		NE	.5	NNW	.5	NW	1	NE	1	.8
SE	.5	SE	1	SSE	1.5	SSE	1.5	S	2	SSW	1.5	1.3
WSW	6.5	SW by W	6.5	WSW	5.5	WSW	5	W	2	WSW	5	3.8
WSW	5.5	WSW	5.5	WSW	5	WSW	10.5	SW	8.5	SW by W	7	4.6
Calm		S	1.5	WSW	4	SW	5	SW	3.5	SW	2	2.1
SW	6	SW	5	NNE	5	NNE	5	ESE	1.5	ESE	.5	2.4
WSW	13	W	6.5	W	8.5	W	5	WSW	5	W by S	3.5	4.5
WSW	16	WSW	18	WSW	18.5	WSW	22	WSW	19.5	WSW	23.5	13.2
WSW	10	WSW	15	SW byW	20	W by S	20	W by S	16.5	SW	28	16.4
SW	16.5	SW	11.5	SW	13.5	SW	8.5	SW	13.5	SW by W	20	12
NW by W	6.5	E	2	ENE	3	NNW	3.5	W	2	WNW	2	6.5
Calm		Calm		Calm		Calm		Calm		Calm		2
SSW	3.5	SSW	2	SSW	2	S	2	S	1.5	Calm		2.3
SSE	1	Calm		S	1	S	2	SSE	2	SSE	.5	1.4
Calm		SW	3	SW	1.5	SSE	1.5	WSW	4.5	SSW	1	3
SSW	2	S	2	S	1.5	SSW	5.5	SW	8.5	S by W	6	3.9
SW by W	8	SW	5	SSW	3.5	SSE	3	S	3	S by W	4.5	3.8
SSW	9	SSW	5	S by W	5	S by W	6.5	SSW	6.5	SW	10	6.8
WSW	7.5	SW	10	SW	8.5	SW	4.5	SW	4.5	SW	10	8.6
SW	3	SSW	2	Calm		SSW	1	SSW	2	Calm		5.3
SW	4.5	SSW	1	Calm		Calm		Calm		Calm		1.1
SE	3	ENE	1.5	ENE	1	ESE	1	Calm		Calm		.9
Calm		Calm		SE	.5	SE	.5	Calm		Calm		.7
SW	3.5	SW	3.5	SSW	2	WSW	6	WSW	7.5	WSW	9	3.1
SSW	1	SSW	3.5	SW	9	SW	6.5	SW	9.5	SW by W	9.5	6.1
	4.5		4		4.3		4.6		4.7		5.2	4.3

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	9	12	11	7	9	3.5	8	10.5	16	13	27	28
2	**40**	33	34.5	32.5	23	22	12.5	14	13.5	12	13.5	10.5
3	13	9	6	4	5	6.5	8.5	9	11	12	14	21.5
4	5	3	3	3	1.5	2.5	1.5	2	3.5	3.5	5.5	4.5
5	2	2	.5	4	1	1.5	2	4	2.5	4	5.5	2.5
6	6	10	10.5	5.5	1.5	0	1	1.5	3	7.5	9.5	9.5
7	0	1	1	5	4	1.5	1.5	6	6	3	**12**	**12**
8	3	1.5	1.5	3.5	5	4.5	3	1.5	4	6	10	10
9	5	1.5	3.5	3.5	1.5	1	1	1.5	3.5	6.5	10	10.5
10	14	4	13	22	30	26	15	3.5	7.5	8	12.5	7
11	16	6	7	4	2	1.5	2.5	.5	3	6.5	17	12
12	3.5	3.5	8	2	2	2.5	10.5	8	7	3	11	8.5
13	2.5	1.5	1	.5	.5	1	3	7	5.5	7	14.5	21
14	34	35	33	31	32	37	26	31	35	32	40	34
15	63	59	57	61	40	47.5	49.5	59	57	53	64.5	53.5
16	46	37	40	40.5	**55**	45.5	51	49.5	28.5	35	41	46.5
17	36	40	41	34	36	22	25	**51**	38	13	4.5	40
18	6	2.5	4.5	5	8	3.5	0	1.5	25	23	**42**	34
19	2	6	9.5	7.5	8	1	1	4	3	6	21	23
20	2.5	2.5	.5	1	1	1	3.5	12	16	11	5.5	7
21	2.5	2	2.5	4.5	2.5	1.5	4.5	8	11	15	34.5	16
22	0	2	1	3	6	27.5	24.5	11	5	6	9	12
23	18.5	16.5	9.5	11.5	8.5	5	6.5	8.5	16.5	21	25	21
24	15	18	23	22.5	27.5	28	23	24	16	34	28	29
25	37.5	37	37	**41.5**	39.5	37	34	26.5	31	23.5	29	30
26	28	26	22	22	17	22	24	34	33	30	**35**	24
27	6.5	14	2	3	0	2	.5	1.5	3	7	10.5	17.5
28	.5	2	1.5	1	1.5	3	2.5	3	2	4	6	7
29	0	0	.5	2	2.5	1.5	2.5	.5	2.5	3.5	10.5	**13**
30	1	2	3	2	1.5	3.5	3	5	6	7	10	12
31	24	21.5	15.5	24.5	25.5	24.5	33.5	32	15.5	21.5	33	26
Mean	14.3	13.3	13	13.4	12.8	12.5	**12.4**	13.9	13.9	14.1	19.7	19.5

AMOUNT OF CLOUDS (0–10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
2	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
3	10	8	9	8	8	9	7	7	8	7	5	9	7.9	3 05
4	10	8	8	9	9	9	10	10	10	10	10	10	9.4	5 00
5	8	8	9	9	8	10	8	9	10	10	10	10	9.1	1 50
6	6	5	4	4	5	8	7	8	8	6	3	7	5.9	7 20
7	6	7	7	8	8	9	10	9	9	8	8	9	8.2	3 55
8	7	5	6	5	4	3	2	2	3	3	5	8	4.4	9 40
9	4	3	4	4	4	4	3	2	3	6	5	5	**3.9**	**10 05**
10	9	8	8	8	9	6	7	8	8	7	7	9	7.8	7 45
11	9	8	7	9	9	10	9	9	8	10	10	10	9	5 40
12	8	10	10	10	8	8	6	5	7	9	9	9	8.2	4 25
13	8	10	9	9	9	10	9	10	10	10	10	10	9.5	3 15
14	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
15	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
16	10	10	10	10	10	10	10	10	10	9	10	10	9.9	**0 00**
17	10	10	10	10	10	10	10	10	10	10	10	10	**10**	0 15
18	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
19	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
20	10	10	10	8	10	10	10	10	10	10	10	10	9.8	1 25
21	10	10	8	10	10	10	10	10	10	10	10	10	9.8	0 25
22	10	10	10	10	10	10	10	10	10	10	10	10	**10**	0 05
23	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
24	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
25	10	10	10	10	10	10	10	10	8	8	8	10	9.5	5 10
26	8	8	7	10	7	8	7	10	9	9	7	8	8.2	4 45
27	6	4	3	3	7	7	7	7	6	6	6	7	5.8	8 50
28	10	7	8	9	9	8	8	8	8	8	9	10	8.5	5 30
29	5	6	6	8	8	8	7	9	9	10	10	10	8	5 30
30	6	7	9	9	9	9	9	8	9	10	10	10	8.8	5 55
31	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
Total														**99 50**
Mean	8.7	**8.5**	**8.5**	8.7	8.7	8.9	8.6	8.7	8.8	8.9	8.8	**9.4**	8.8	**3 13**

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–Mdt.	Mean.
34.5	33.5	40	34	39.5	33.5	30	32	41	52	**53**	45	25.9
10	14	13	22	15.5	14.5	11	8.5	5.5	7	12	13	17
14.5	11	9.5	12.5	11.5	11.5	11	8	**23**	10	1.5	3.5	10.3
5	5	4	8.5	**9**	5	2	1	1.5	4.5	1.5	3	3.7
5.5	3.5	6	**7.5**	2.5	3.5	2.5	2	3	2.5	4.5	5	**3.3**
8	9	**15**	2.5	1.5	.5	1.5	2	2.5	2.5	2.5	1.5	4.8
6	3.5	9.5	7.5	3	1	0	0	3	1.5	5	3.5	4
7.5	10.5	13	**16**	11	13	6.5	2	4	6	9	7	6.6
16	19	26.5	**29**	**29**	25.5	24	20	21	18	17	11	12.7
12.5	18	20	24	23	27.5	22.5	22	21	29	**34**	23	18.3
9	10	14	21	10	6	9	2	15	20	**24**	13	9.6
12	11.5	10	20	20	**25**	24	22.5	18.5	15.5	5	3.5	10.7
27	28	30	30	31	**39**	36	30	31	34	27	34	18.4
45	42	56	54	56	46	55	53	50	62	61	**68**	43.7
56	**65**	56	43.5	59.5	50	59.5	57.5	51	50	50.5	54.5	**54.9**
42	44	51	47	46	43	45	43	35	41	35	39	42.8
35	27	29	25	28	14	15	6	8	8	13	13	25.1
10.5	5.5	7	17	9	16	7	1	0	0	0	1	9.5
24	19	21	19	20	23	12	10	8.5	6.5	7.5	2.5	11
5.5	3	16	15	8	**16.5**	6	0	2.5	4	6	5	6.3
32	**36**	20	19	12	2	1	4	7.5	4	19.5	6	11.1
29	**42**	35	17	6	9.5	14.5	8.5	6	7.5	25	18	13.5
18	13.5	19	31	16	27	28	**31.5**	17.5	18.5	13	14.5	17.3
24	25.5	26	21	19.5	19	28	20	19.5	20	26.5	**36.5**	23.9
38	32	36	35	41	32	32	29	33	27	23	25	32.8
25	31	33	27	25	22	24	10.5	6	3.5	5	6.5	22.3
15.5	12.5	14	18	**19**	14	12	11	1.5	2.5	1	2	7.9
9	10	8	14	**16**	**16**	11	6	6	5.5	2.5	1.5	5.8
13	10	6	9	**13**	12	1.5	.5	2	2	1.5	.5	4.6
20	18	22	23	21	23	18	18	14	16	22	**24**	12.3
27	26	**35**	28	27	25	13	14	23	33	28	34	25.4
20.5	20.6	**22.6**	22.5	20.9	19.9	18.1	15.3	15.5	16.6	17.3	16.7	16.6

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1	3	2								1	1	7	5	1	2	2		622	0.5	28.4
2							5	13	2	4								407	.9	33.2
3		1	1				5	6		1	2	4	3				1	247	2.7	6.4
4		1	4			3	2	1	1		1						11	88.5	2.9	
5	2		5		1	1	2					1					12	79.5	1.8	
6	3		1		2							1	1	1	1	1	13	114.5	2.2	.5
7		3	2	1									2	2	2	2	10	96.5	2	.8
8			4				3	2	1	1		3	5	1			4	159	4.3	
9						1			1		1	11	4				6	305	4.3	
10	1		1				1			3	3	12	1	1			1	439	4.5	10.7
11				1					1	2	7	5	2			6		231	2.4	4.2
12		2			1	4		1			6	1	2		2	1	4	257	2.4	37.2
13											1	5	7	1	3		7	442	1.2	6.5
14												17	6	1				1,048	.2	25.5
15											3	18	3					**1,317**	.8	**117**
16										1	14	9						1,026.5	1.3	29.3
17				1	1				1		9	3	3	1	1	1	3	601.5	.3	75.1
18							2	1		1		4	2	2	1	1	10	229	.2	49.7
19									5	3	4	2	2				8	265	1.3	49.8
20			1					3	3	3					1	1	12	151	.2	28.9
21				1			1	2	3	2	4	6					5	267.5	.6	23
22									4	8	5	2					5	325	.1	51.3
23								5	6	6	4	2					1	415.5	.2	86.3
24									1	14	9							573.5	1.6	10.1
25										1	21	2						786.5	2.9	3.1
26										7	7	8					2	535.5	1.4	5.3
27									1	2	5	1	1				14	190.5	2.9	.5
28				2		1	2		1	1	1	3	2				11	139.5	2.2	1.5
29				2			2	1		1	3	3					12	110	1.8	
30						1	2			1	6	7					7	295	2.7	1
31										2	4	13	4	1				610	.3	13.2
Total	9	9	19	8	5	11	27	35	31	65	121	150	55	12	13	15	159	12,374.5	53.1	698.5
Mean	0.3	0.3	0.6	0.3	**0.2**	0.4	0.9	1.1	1	2.1	3.9	4.8	1.8	0.4	0.4	0.5	**5.1**	399.2	1.7	22.5

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°C.		*Per cent.*	*mm.*	*mm.*		°C.		*Per cent.*	*mm.*
1	754.65	0.05a.	30.4	11.50a.	95	23.9	751.21	5.00p.	24.2	5.45a.	72	21
2	58.10	10.00p.	27.8	2.55p.	97	22.9	51.80	0.15a.	23.5	8.35a.	79	20.1
3	**60.45**	11.00p.	33.2	0.55p.	94	23.8	57	2.30a.	23.8	3.10a.	69	20
4	60.20	10.30p.	32.8	1.30p.	97	23.2	**57.75**	1.50p.	22.2	4.55a.	**62**	20.1
5	60.35	10.05p.	31.7	9.55a.	97	23.4	57.65	3.10p.	22.8	5.30a.	73	20.3
6	60	0.05a.	32.8	4.25p.	94	23.1	56.95	4.15p.	22.1	5.50a.	67.5	18.5
7	59.55	10.45p.	32.8	2.25p.	92	23.4	56.80	4.40p.	23.6	5.35a.	68	20.3
8	59.15	10.45p.	**33.3**	4.25p.	94	23.5	56.05	4.20p.	22.3	5.45a.	63	18.5
9	59.55	11.05p.	32.9	1.35p.	93	24	57	4.35p.	23.8	5.15a.	68	20.5
10	59.90	10.40p.	32.8	1.50p.	92	24.1	57.25	3.50p.	24.7	1.55a.	70	20.9
11	59.85	9.50a.	32.5	3.10p.	97	24.3	57.20	3.00p.	24.2	5.30a.	68	20.7
12	60	8.35a.	32.6	3.15p.	95	24.5	56.65	4.00p.	22.2	10.00p.	70.5	**17.8**
13	58.75	0.05a.	31.1	0.55p.	94	25.2	53.95	4.55p.	22.5	1.55a.	73	18.8
14	54.40	0.05a.	**27.3**	2.50p.	93	23.1	**50.19**	4.00p.	23.8	6.20a.	83	20.3
15	54.35	9.55p.	28	5.05p.	96	24.1	50.50	3.35a.	**21.4**	9.50p.	80	20.2
16	56	10.30p.	29.7	1.15p.	**99**	23.6	52.90	1.35a.	22.4	6.30a.	73	21
17	57.45	11.00p.	29.5	10.05a.	**99**	23.2	54.55	2.25a.	23	2.45a.	76	21.2
18	57.20	0.05a.	27.9	1.40p.	**99**	24.5	54.90	4.35p.	23.3	3.05a.	82.5	20.8
19	57.65	10.15p.	28.9	2.35p.	95	23	55.15	4.20p.	23.5	4.35a.	78.5	20.7
20	57.05	8.25a.	29.7	10.50a.	98	**22.3**	55.60	5.10a.	22.3	8.25a.	79	19.2
21	56.30	10.30a.	29.2	9.10a.	98	24.5	54.40	4.25p.	23	3.45a.	80	19.9
22	55.70	0.05a.	29.5	0.05p.	97	24	52.95	5.10p.	23.2	5.15a.	83	20.7
23	54.30	0.05a.	27.6	0.35a.	97	23.3	52.30	4.40p.	23.2	3.05p.	**89**	20.5
24	**53.95**	10.00p.	29.1	11.35a.	93	23.5	51.90	4.45p.	24.3	10.05a.	80	21.4
25	54.80	11.15p.	31.7	11.50a.	**87**	**25.9**	51.85	4.00a.	**25.8**	5.30a.	75	21.6
26	56.70	11.55p.	31.9	0.40p.	97	25.8	53.55	4.00a.	24.9	9.50a.	79	**22.6**
27	58.70	10.10p.	32.2	2.40p.	96	24.9	56.05	4.00a.	24.4	4.55a.	72	21.9
28	58.70	8.35p.	32	3.55p.	96	24.2	56.20	3.40p.	24.2	10.00p.	74	20.5
29	58.50	0.05a.	32.1	0.55p.	97	24	55.60	3.10p.	23.4	5.35a.	74	20.5
30	57.30	0.05a.	31.9	1.15p.	97	24	54.85	5.30p.	23.3	5.25a.	74	20.9
31	56.10	9.35a.	28.4	1.50p.	95	23.2	54.20	4.25p.	24.7	1.50a.	84	21.7
Mean	757.60		30.8		95.5	23.9	754.67		23.4		74.8	20.4

DAILY GENERAL REMARKS.

1—d° early in the morning; squally in the afternoon, and especially at night.
2—Somewhat rainy weather, especially in the early morning.
3—●°, convergence of Ci. toward NNW in the morning; ⌈ E in the evening; ● at night.
4—○ in the morning and afternoon.
5—⌈ NE quadrant with occasional d° in the afternoon.
6—As yesterday.
7—● in the afternoon; ⌊ NW in the evening.
8—⌈ NE and SE quadrants in the afternoon.
9—Somewhat gusty WSW winds during the afternoon.
10—● in the early morning; ○² in the morning; gusty WSW winds at night.
11—○°, thundershowers in the afternoon.
12—● in the early morning and at night; ○° in the afternoon; ⌊ NE in the evening.
13—d in the early morning; ●, gusty SWly winds in the afternoon and at night.
14—Squally weather with strong gale from WSW at night.
15—Fresh to whole gale from WSW with ● at intervals.
16—Moderate and fresh SWly gale with ●, especially in the morning.
17—Rain squalls at intervals with some moderate and fresh SWly gale; ⌈° N in the evening.
18—●² in the morning; ● in the afternoon.
19—As yesterday.
20—Frequent ●, especially in the afternoon.
21—● in the morning and afternoon; gusty WSW winds in the afternoon.
22—Rainy weather; gusty SW winds in the afternoon.
23—Rainy weather, especially in the afternoon: T SW in the afternoon.
24—Gusty SWly winds at intervals with some ●.
25—As yesterday.
26—p, somewhat gusty SWly winds in the morning and afternoon.
27—d in the early morning; ◠ in the afternoon.
28—⌈° E quadrant, ⌊ various points, d in the evening.
29—⌈ E quadrant, d° in the afternoon.
30—ᵖ early in the morning; ○ in the afternoon; ●, gusty WSW winds at night.
31—● in the morning and afternoon with somewhat gusty SWly winds.

OBSERVATIONS FOR AUGUST, 1911.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	54.15	53.90	53.70	53.75	53.70	53.86	54.36	54.53	54.02	53.96	53.95	54.04
2	55.15	54.85	54.95	54.95	54.95	55.03	55.67	56.07	56.21	56.16	55.83	55.60
3	56	55.85	55.65	55.70	55.50	55.69	56.25	56	56.59	56.54	56.29	56.24
4	56.60	56.30	55.95	56	56.25	56.36	56.76	57	56.89	56.87	56.67	56.45
5	56.80	56.30	56.05	56.05	56.25	56.43	56.61	56.88	57.03	57.16	57.16	56.88
6	57.85	57.05	56.95	57.10	57.25	57.73	58.27	58.60	**58.88**	58.83	58.64	57.88
7	58.15	57.65	57.20	57	57.25	57.74	58.25	58.52	**58.57**	58.36	58.43	58.01
8	**57.40**	56.65	56.30	56.25	56.30	56.47	56.75	56.82	56.80	56.64	56.44	56.11
9	**55.70**	55.15	54.70	54.60	54.50	54.81	55.11	55.33	55.40	55.12	54.76	54.38
10	54	53.60	53.50	53.35	53.55	53.39	53.76	54.40	54.23	54.09	53.57	53.21
11	54.15	53.55	53.40	**53.35**	53.45	53.58	54.05	54.30	54.70	54.69	54.66	54.61
12	55.05	55.05	54.70	54.70	54.70	54.94	55.37	55.55	55.61	55.63	55.63	55.50
13	**56.50**	55.85	55.75	55.50	55.40	55.51	55.80	55.78	55.75	55.51	55.62	55.47
14	54.70	54.50	**54.25**	54.35	54.65	54.71	55.22	55.80	55.90	55.62	55.48	55.32
15	57.35	56.75	**56.70**	56.95	57.20	57.52	58.01	58.36	58.37	58.78	58.54	58.34
16	59.15	59	59.05	59.25	59.30	59.40	59.50	59.48	59.75	59.75	59.69	59.14
17	59.35	58.65	58.35	58.35	58.35	58.45	58.95	59.30	59.08	**59.36**	58.90	58.69
18	57.90	57.45	57.10	56.75	56.65	56.79	57.15	57.75	57.60	57.44	57.09	56.74
19	57.30	56.30	**55.80**	56	56.15	56.44	56.77	56.97	56.92	57.15	57.14	57.11
20	57	56.65	56.60	56.55	56.70	57.11	57.44	57.96	57.99	57.97	57.92	57.41
21	57.80	57.20	56.55	56.40	56.65	56.91	57.58	57.86	**58.16**	57.99	57.84	57.20
22	57.25	56.90	56.70	56.45	56.45	56.71	57.10	57.30	57.48	57.43	57.10	56.83
23	56.90	56.45	56.20	56.10	56	56.09	56.44	56.66	57.02	57.04	56.80	56.60
24	57	56.30	55.55	55.40	55.80	56.48	56.74	57.04	**57.39**	56.82	56.19	55.34
25	**55.10**	54.45	53.85	53.70	53.75	53.84	54.04	54.26	54.34	54.38	54.13	53.68
26	52.25	52.15	52.20	52.15	**52**	52.45	52.82	53.49	53.70	53.87	53.65	53.15
27	54.60	54.55	**54.50**	54.75	55.05	55.14	55.41	55.68	55.93	56.10	55.79	55.78
28	57.60	57.10	57	57	57.10	57.40	58	**58.49**	58.42	58.22	58.13	58.07
29	57.35	57.25	56.95	57.15	57.20	57.33	57.73	**57.99**	57.97	57.86	57.69	57.02
30	56.05	55.40	55.30	55.35	**55.25**	55.45	56.19	56.57	**57.37**	57.17	56.62	56.67
31	56.15	55.80	55.50	55.45	55.60	55.69	56.05	56.33	56.48	56.59	56.67	56.16
Mean	56.40	55.95	55.71	55.69	55.77	55.98	56.39	56.68	56.79	56.75	56.55	56.25

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	25.8	26.5	26.6	25.9	25.6	26.4	25.8	25.2	**27.9**	26.9	27	26.5
2	25.3	24.5	24.7	**24.4**	24.9	25.6	25	26	26.4	28.2	28	**28.9**
3	25.7	25.1	25.5	25.1	**24.8**	**24.8**	26.8	28.5	29	29	**29.8**	26
4	25.2	24.4	24	**23.9**	24	24.1	26.6	28.3	29.9	30.1	**31**	30.5
5	24.7	24.4	24.1	23.8	23.9	**23.6**	25.5	28.2	29.2	30	30.9	31.1
6	26.6	26.1	24.9	24.4	24.2	**24.1**	26	28.7	30.2	30.2	30.4	30.9
7	26.4	26	24.9	24.2	**24**	**24**	25.6	27.7	29.9	29.6	30.3	30.2
8	27.1	26.9	26.8	26.9	**26.7**	**26.7**	27	28.6	28.4	28.8	**30.6**	29
9	27.4	27.4	27.2	27.1	27	27.1	27.8	27.3	28.8	30.5	30.2	30.6
10	27.5	27.8	27.8	27.7	27.5	27.1	27.8	28	29	29.4	30.7	**30.9**
11	**26.8**	27.4	27.6	27.7	27.7	27.6	27.8	28	30	29.8	**30.5**	30
12	27.4	27.2	27	27.2	27	26.5	26.6	27.6	29.3	29.9	27.9	27.7
13	24.8	24.4	24.9	24.6	25.1	25.2	25.3	25.6	25.9	25.5	24.9	**23.9**
14	26	25.5	26.8	25.5	26.1	26.9	27.2	26.7	28.2	28.5	28.7	29.1
15	**24.5**	24.8	24.7	24.9	25.4	25	25.7	27.7	29.3	29.5	30	**30.1**
16	25.4	25.4	24.6	24.6	24	**23.6**	25.2	27.4	28.3	28.7	29.5	**29.8**
17	24.3	24.2	23.9	24	24	**23.8**	25.7	26.5	28	25.9	26.2	26.7
18	24.3	24.1	24	23.8	23.8	24	26	27	**29.4**	27.5	28.2	27.8
19	24	23.5	23.9	23.4	**23.3**	**23.3**	23.8	25	26.7	27	**27.2**	23.9
20	24.9	24.4	24.3	24	24.3	23.6	23.5	23.8	23.9	24.5	25.4	26.5
21	23.3	23.1	22.7	**22.5**	23	23.3	23.8	25	25.4	27.2	27.8	28
22	23.1	22.7	22.7	22.6	22.4	**22.3**	24.7	27.5	28.6	29.3	29.2	29.2
23	24.8	24.7	24.5	24.1	24.1	**23.9**	25.5	27.5	28.1	28.6	28.2	29.4
24	24.7	24.8	25.9	**25.9**	25	24.9	25.3	25.8	26.8	28.3	28.7	**29.5**
25	25.3	25.3	24.6	23.9	23.8	23.8	**23.4**	**23.4**	**23.4**	24.8	25.2	25.6
26	26.5	24.4	24.3	**24.1**	25.6	25.5	27.2	27.1	27	27.1	28.3	29.2
27	25.8	25.4	25.5	26.2	**24.9**	26.2	27.1	27.5	29	29	**30.2**	30.1
28	25.3	25.7	25.7	25.9	26.1	25.4	**25**	26.6	27.9	**29.8**	27.2	28.4
29	26.9	27	27	26.9	26.9	**26.8**	27.5	28	29.5	29.7	30	**30.2**
30	27.4	27.3	27.1	26.3	26.1	27	27.2	27	26.5	26.3	27.3	**28.1**
31	27.2	27.1	**26.9**	27	**26.9**	**26.9**	27.7	28.3	27.7	28	29.1	29.7
Mean	25.6	25.4	25.3	**25.1**	**25.1**	**25.1**	26	27	28	28.3	28.7	28.6

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
53.36	53.21	**53.06**	53.27	53.52	54.07	54.67	55.05	55.10	55.90	**56**	55.65	54.20
55.02	54.62	54.69	**54.60**	54.68	55.24	55.63	56.15	56.55	56.65	**56.95**	56.45	55.53
55.80	55.67	55.39	**55.18**	55.39	55.91	56.19	57	57.35	**57.45**	**57.45**	57.40	56.19
56.18	55.93	55.56	55.37	**55.30**	55.53	56.07	56.70	57.25	**57.45**	57.40	57.10	56.41
56.50	56.30	56.10	**56.01**	56.13	56.54	57.30	57.85	58.20	**58.55**	58.50	58.30	56.91
57.42	57.10	56.55	**56.39**	56.42	57	57.55	57.85	58.10	58.60	58.60	58.55	57.72
57.47	57.29	56.75	56.71	**56.65**	56.96	57.53	58	58.10	58.10	57.90	58	57.69
55.60	55.30	54.91	54.95	**54.40**	54.92	55.41	55.65	55.70	56.25	56.20	56.05	56.01
53.87	53.43	53.23	53.12	**53.07**	53.67	54.13	54.60	54.80	55.05	54.85	54.60	54.50
53.13	52.75	**52.71**	53.11	53.45	53.73	54.06	54.65	54.85	55.10	**55.20**	54.90	53.85
54.22	53.92	53.62	53.79	54.01	54.25	54.59	54.90	55.40	**55.85**	55.75	55.25	54.34
55.27	54.90	54.72	**54.50**	54.79	54.98	55.20	56.20	56.50	56.70	**56.80**	56.55	55.40
54.91	54.56	54.28	54.22	**54.18**	54.32	54.40	54.95	55.25	55.55	55.70	55.05	55.24
54.88	54.78	55.08	54.89	55.53	55.69	56.82	57.10	57	**57.70**	57.55	57.65	55.63
57.91	57.80	57.93	57.64	57.55	57.77	58.30	58.40	59.05	59.55	**59.60**	59.50	58.08
58.86	**58.30**	**58.30**	**58.30**	58.31	58.54	58.91	59.40	59.55	**60.05**	59.95	59.90	**59.20**
57.98	57.62	57.31	57.16	**57.14**	57.74	58.32	58.55	58.65	58.75	58.45	58.35	58.41
56.36	56.22	**56.11**	56.50	56.25	56.50	57.07	57.50	57.90	58.15	**58.35**	57.55	57.12
56.66	56.19	56.01	55.90	55.94	56.35	57	57.40	57.70	**57.95**	57.70	57.10	56.75
56.96	56.24	55.94	**55.85**	55.93	56.46	56.80	57.30	57.90	58.05	**58.25**	58.15	57.13
56.85	56.37	56.05	**55.97**	56.25	56.53	57.09	57.40	57.80	57.90	58	57.55	57.16
56.39	56.01	55.53	55.55	**55.35**	55.82	56.24	57	57.45	**57.85**	57.75	57.15	56.74
55.81	55.37	**55.25**	55.35	55.50	56.04	56.23	56.55	57.45	**57.65**	57.60	57.50	56.44
55.32	54.56	**54.15**	54.25	54.31	54.65	55.20	55.60	55.95	56.25	56	55.80	55.75
52.83	51.96	51.84	51.56	**51.11**	51.56	52.07	52.30	52.55	52.80	52.75	52.60	**53.14**
52.77	52.75	52.79	52.79	53.04	53.65	54.35	54.45	54.55	**54.90**	**54.90**	54.75	53.32
55.27	55.17	55.28	55.17	55.40	55.74	56.15	56.75	57.20	57.85	**57.95**	57.65	55.79
57.63	57.43	57.47	57.17	**56.98**	57.19	57.68	57.90	58.25	58.25	58.20	57.70	57.68
56.51	56.39	56.03	**55.86**	56.05	56.56	56.52	56.65	56.60	56.95	56.70	56.20	56.94
55.89	55.64	55.75	56.02	56.14	56.30	56.45	56.45	56.45	56.65	56.70	56.40	56.18
55.52	**54.99**	55.16	55.12	55.29	55.78	56.07	56.75	57.05	**57.25**	**57.25**	57	56.07
55.78	55.44	55.28	**55.23**	55.29	55.68	56.13	56.55	56.85	**57.15**	57.13	56.85	56.18

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
25.9	**24.5**	25.1	26.8	25.2	25.7	25	25.3	25.7	25.2	24.9	25.5	25.9
28.8	28.7	26.8	27.6	27.6	27.2	26.5	26.1	26.1	26.3	26.1	25.9	26.5
27	26.3	27.1	27.5	25.5	**24.8**	25.8	25	25.8	25.9	25.3	24.9	26.3
30.5	30.8	30.5	30.1	29	28.1	27.5	27.2	27	26.5	25.8	25.7	27.5
31.2	30.7	30.5	30.2	29.5	28.1	27.6	27.4	27.3	27.1	27.1	26.9	27.6
31	30.7	30.5	30.2	29.3	28	27.4	27.2	27	27	26.7	26.6	27.8
30.3	**30.8**	30.5	29.5	29.5	28	27.7	27.5	27.4	27.3	27.2	27.2	27.7
30.6	30.2	29.8	29	28.5	28.3	28.1	27.9	27.8	27.9	27.7	27.5	28.2
30.5	**30.8**	29.1	28.9	28.1	28.2	27.4	27.5	**26.8**	27	27.2	27.1	28.2
30	30	29.3	28.7	28.2	27.7	25.9	26	25.7	25.6	**25.4**	26.5	27.9
30	**30.5**	29.8	30.4	29.5	28.6	28.2	28.1	27.9	27.6	27.9	27.7	**28.6**
27.6	**30.1**	29	29.2	27.4	27.1	26.2	25.8	25.4	25.1	25.3	**25**	27.3
24	24.2	24.5	25.5	26.3	**26.4**	26.2	24.8	24.8	24.8	25.1	26.3	25.1
29.4	28.3	27.8	27.3	25.1	25.5	25.3	24.7	24.9	25.5	24.6	**24.5**	26.6
29.7	29.8	26.3	26.7	26.4	26.3	26.2	26.2	25.5	25.2	25.5	25.8	26.7
28.7	28.7	29	29	28.7	27.8	27.5	27.5	27.1	26.7	25.7	24.9	27
29.7	**30.3**	29.3	28.9	29	25.8	25.3	25.4	25.4	24.6	24.6	24.3	26.1
27.3	26	25	24.2	23.7	23.5	23.6	23.6	23.6	23.4	**23.3**	24.1	25
25.5	26.7	25.8	25.7	25.4	25.2	25.4	25	24.7	24.5	24.7	24.6	24.9
26.5	27.5	**27.7**	27.3	27.1	25.2	24.2	**23.4**	23.6	**23.4**	23.7	23.6	**24.8**
28.9	28.8	28.5	28.8	27.7	26.5	26.1	25.6	25.4	24.3	23.7	23.6	25.5
29.4	29	**29.9**	29.7	29.3	27.7	27	26.9	26.4	25.5	25.3	24.8	26.5
30.6	30	28.9	28.8	28.9	27.4	27	26.9	26.8	26.1	25.3	24.9	26.9
28.8	28.4	27.9	26.4	24.7	24.5	24.6	24.3	24.3	24.4	**24.1**	25.1	26
26.9	**27.4**	**27.4**	**27.4**	27.1	27.1	27	27	27	27	27.1	27.1	25.8
29.6	28.7	28.3	28.5	28	27.4	27.3	27.1	27.1	26.9	26.8	26.5	27
29.9	29.7	30	29.3	28.7	27.4	27.2	26.9	26.5	26.1	25.7	25.4	27.5
28.5	29.1	28.8	29.3	29	27.7	27.1	27.4	27.3	27.3	27.3	26.9	27.3
28.7	28.5	29.9	28.2	27.8	27.7	27.2	27.7	26.9	27	27.2	27.5	27.9
27.7	27.5	26.8	25.7	25.6	**24.8**	25.2	25.6	26.6	27.2	27.3	27.4	26.7
30.3	30	29.7	28.6	28.5	27.7	27.6	27	27.4	27.6	27.7	27.5	28
28.8	**28.8**	28.4	28.2	27.6	26.8	26.5	26.3	26.2	26	25.8	25.8	26.8

RELATIVE HUMIDITY (%).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	93	90	88	91	90	86	88	92	85	90	88	90
2	95	96	**98**	97	**98**	94	96	89	83	80	82	80
3	93	93	91	94	92	93	88	83	81	78	**74**	97
4	90	**97**	95	95	94	94	87	79	77	76	75	74
5	93	92	94	**96**	95	**96**	92	79.5	75	74	71	70
6	85	89	93	**94**	92	92	92	82	73	72	71	69
7	88	88	92	**96**	**96**	95	93	84	75	77	74	74
8	82	83	83	83	83	**87**	86	81	80	78	**73**	78
9	83	84	86	83	84	**87**	85	**87**	80	**74**	75	75
10	**87**	84	84	83	81	81	83	82	81	80	**75**	**75**
11	83	83	81	81.5	81.5	82	82	82	77	77	**73**	77
12	86	87	86.5	85	86	86	85	86	81	**75**	85	84
13	92	91	92	93	92	92.5	93	93	91	94	95	97
14	92	90	88	89	87	86	85	85	81	80	80	78
15	91.5	**92**	**92**	**92**	86	90	88	77	76	75	73	**72**
16	89	89	92	93	**95**	**95**	93	87	80	78	77	78
17	91	91	**93**	92	92	**93**	92	90	85	91	**93**	87
18	93	93	93	93	93	93	89	83	**77**	90	79	83
19	**95**	92	92	**95**	94	94	94	92	84	**82**	83.5	90
20	91	93	93	96	94	97	**98**	96	96	92	88	88
21	**97**	94	95	96	94	94	94	88	88	81	81	77
22	94	**95**	**95**	94	93	93	87	81	74	72	70	74
23	92	92	**93**	92	92	**93**	91	81	78	74	74	73
24	93	92	90	90	**96**	**96**	93	91	86	79	72	**70**
25	88	88	91	**94**	**94**	**94**	93	**94**	**94**	91	90	86
26	80	84	**88**	86	85	86	84	83	85	87	82	78.5
27	88	89	88	86	89	86	85	81	76	78	73	**72**
28	**93**	**93**	**93**	90	89	**93**	92	85	83	77	87	82.5
29	86	85	85	86	86	81	84	85	76	**75**	76	77.5
30	87	88	88	89	87	85	84	86.5	90	91	86	84
31	88	**89**	**89**	87	86	87	84	80	84	86	82	79
Mean	89.6	89.9	90.4	**90.7**	90.2	90.4	89	85.3	81.7	80.8	79.3	79.7

VAPOR PRESSURE (mm).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	22.8	23	22.7	22.6	22	22	21.6	21.8	**23.8**	23.6	23.3	23.2
2	22.7	21.9	22.7	21.9	23	22.9	22.5	22.1	**21.3**	22.8	23.1	**23.6**
3	22.7	22.1	22	22.3	**21.5**	21.7	23	23.9	24.1	23.1	23.1	24.2
4	21.4	21.9	21	20.9	**20.8**	21	22.6	22.5	24	24.1	**25.1**	23.9
5	21.5	21	21	20.9	20.9	**20.7**	22.2	22.5	22.6	23.4	23.4	23.5
6	21.9	22.2	21.8	21.3	20.7	**20.6**	22.9	**23.9**	23.2	23	22.8	23
7	22.4	21.9	21.6	21.5	21.2	**21**	22.5	23.3	23.4	**23.8**	23.6	23.7
8	21.8	22	21.8	**21.7**	**21.7**	22.7	22.7	23.5	23.1	22.8	23.8	23.1
9	22.5	22.9	23	**22**	22.3	23.2	23.6	23.4	23.7	23.9	23.8	24.4
10	23.6	23.5	23.2	22.9	22.2	21.5	23.1	23.1	24.1	24.3	24.6	25
11	**21.6**	22.5	22.3	22.4	22.4	22.5	22.6	23.1	**24.4**	24.1	23.6	24.2
12	23.3	23.2	22.9	22.8	22.7	22.2	21.9	23.6	**24.4**	23.6	23.8	23.1
13	21.5	**20.8**	21.4	21.4	21.7	22	22.2	22.5	22.6	22.8	22.2	21.5
14	22.9	21.8	23	21.7	21.8	22.5	22.8	22.1	23	23	23.3	23.5
15	20.9	21.3	21.4	21.4	20.7	21.2	21.7	21.2	22.9	**23**	22.9	22.9
16	21.5	21.5	21.2	21.4	21	**20.5**	22.2	23.5	22.9	22.7	23.7	**24.3**
17	20.5	20.5	20.5	**20.4**	**20.4**	**20.4**	22.5	23	23.9	22.6	23.4	22.7
18	21	20.8	20.7	**20.4**	**20.4**	20.7	22.3	22.1	23.5	**24.5**	22.4	23.1
19	21	**19.8**	20.3	20.3	20	20	20.6	21.6	21.9	21.7	**22.4**	**19.8**
20	21.2	21.2	21	21.2	21.2	21.1	21.1	20.9	21.1	21.1	21.3	**22.6**
21	20.5	19.7	**19.4**	**19.4**	19.6	20	20.6	20.8	21.1	21.8	**22.4**	21.7
22	19.7	19.4	19.4	19.1	18.7	**18.6**	20.2	22	21.5	21.7	21	22.2
23	21.3	21.4	21.3	20.6	20.6	**20.5**	22	22	22	21.5	20.9	22.2
24	21.5	21.5	22.4	22.4	22.5	22.4	22.3	22.4	22.6	22.5	**21**	21.6
25	21.2	21	20.8	20.7	20.6	20.6	**19.9**	20.1	20.1	21.1	21.4	21
26	20.6	**19.1**	19.9	19.3	20.8	20.9	22.6	22.3	22.5	23.1	23.3	23.6
27	21.9	21.5	21.4	21.8	**20.9**	21.8	22.7	22	22.7	23.3	23.2	22.9
28	22.2	22.7	22.7	22.4	22.2	22.3	**21.7**	21.9	23.2	24.1	23.4	23.7
29	22.5	22.5	22.5	22.5	22.5	**21.2**	23	23.8	23.2	23.3	23.9	24.7
30	23.7	**23.8**	23.5	22.5	21.8	22.5	22.6	22.9	23	23.2	23.1	23.7
31	23.6	23.6	23.4	23.1	22.8	22.9	23.3	22.9	23.3	24.2	24.5	24.4
Mean	21.9	21.7	21.7	21.5	**21.3**	21.4	22.2	22.5	22.9	23	23	23.1

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
91	93	**94**	91	92	93	**94**	93	90	91	**94**	92	90.8
79	**78**	89	84	84	87	87	89	90	91	93	93	88.8
89	95	91	87	93	92	90	**98**	89	88.5	93	92	89.8
75	74	74	**73**	76	77	80	81	82	86	88	88	82.8
69	72	72	70	72	77	79	81	81	83	85	86	81.4
69	69	**67**	69.5	72	76	80	81	83	83	85	85	80.1
74	**71**	72	75	75	80	81	81	82	82	82	82	82
74	75	78	81	80	81	81	82	82	82	83	82	80.8
74	**74**	80	84	82	82	85	84	86	86.5	83.5	**87**	82.1
82	76	77	79	83	77	83	84	85	86	84	81	81.4
77	74	77	75	76.5	78	80	80	82	81	84.5	**86**	**79.6**
82	77	78	77	83	85	85	84.5	87	88	90	**91**	84.2
96	97	**98**	94	91	91	93	93	93	94	93	**90**	**93.3**
76	84	83	84	91	91	89	90	88	**93**	92	**93**	86.5
72.5	73	79	81	84	82	85	88	**92**	**92**	88	87	83.7
81	76	78	76	**73**	78	77	77	79	82	84	89	83.2
77	**74**	77	80	79	84	88	91	92	92	92	**93**	87.9
84	89	91	94	96	**97**	96	**97**	96	**97**	**97**	95	91.2
86	85	88	84	86	87	88	90	91	91.5	92	92	89.5
86	82	**79**	**79**	81	86	91	94	95	96	94	95	90.8
72	**71**	**71**	**71**	78	81	78	82	83	89	92	92	85
74	71	**69**	70	74	80	81	81	84	89	91	92	82.4
68.5	71	73.5	75.5	76	81	83	84	84	88	92	92	83.1
77	79	82	90	92	93	93	94	95	95	95	92	88.5
82	77	76	76	77	**75**	77	77.5	78	78	78	77	84.4
77	78	80	81	82	84	84	84	83	84	85	86	83.2
75	74	79	78	80	84	85	86	87	89	92	**93**	83
83	81	81	78	**76**	81	84	82	82	82	84	86	84.9
82	82	80	82	86	86	89	85	**90**	87	88	87	83.6
83	86	88	92	91	91	**92.5**	90	89	87	88	87	87.9
77	**77**	78	82	81	82	83	85	84	82	81.5	84	83.2
78.8	**78.5**	80	80.4	82	83.8	85.2	86.1	86.6	87.6	88.5	88.6	85.1

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
22.6	**21.3**	22.3	**23.8**	21.8	22.7	22.1	22.2	22.1	21.6	22	22.2	22.5
23.3	22.9	23.3	22.9	23.2	23.4	22.4	22.5	22.6	23.2	23.3	23	22.8
23.5	24.1	**24.3**	23.6	22.4	**21.5**	22.3	22.9	22	22	22.2	21.6	22.8
24.3	24.6	24.1	23.3	22.7	21.8	21.8	21.6	21.7	22	21.6	21.7	22.5
23.5	**23.8**	23.5	22.4	22.2	21.8	21.7	21.8	21.7	22.3	22.7	22.8	22.2
23.2	22.7	21.8	22.1	21.9	21.3	21.7	21.8	22.1	21.9	22.1	21.9	22.2
23.8	23.3	23.2	23	22.8	22.5	22.3	22.2	22.2	22.1	21.9	21.9	22.5
24	24.1	**24.3**	24	23	23.2	22.9	22.7	22.6	22.7	22.9	22.4	22.9
24.1	24.6	23.9	**24.9**	23.3	23.2	23	22.8	22.4	22.9	22.4	23.1	23.3
25.7	23.9	23.4	23.1	23.6	21.2	20.6	21	20.9	21	**20.2**	20.8	22.8
24.4	24.1	24.1	24.1	23.4	22.7	22.8	22.6	22.7	22.3	23.6	23.7	23.2
22.5	24.3	23.3	23.2	22.5	22.7	21.4	20.8	20.9	**20.7**	21.5	21.3	22.6
21.2	21.8	22.4	22.8	23.2	23.3	**23.4**	21.7	21.7	21.9	22.1	22.9	22.1
23.3	**24**	23.1	22.5	21.5	22	21.4	20.8	**20.6**	22.4	21.2	21.3	22.3
22.4	22.8	**20.2**	21.1	21.5	20.9	21.6	22.2	22.2	21.8	21.4	21.5	21.7
23.7	22.2	23.1	22.5	21.4	21.6	21	21	21.1	21.3	20.7	20.9	22
24	23.6	23.4	23.6	23.6	20.7	21	21.9	22.1	21.2	21.2	21	22
22.7	22.1	21.3	21.1	20.8	20.7	20.7	20.9	20.7	20.6	20.5	21.1	21.5
20.9	22.1	21.6	20.7	20.7	20.7	21.1	21.2	21	20.9	21.2	21.1	20.9
22	22.4	21.6	21.3	21.5	20.5	20.3	20.1	20.5	20.4	20.5	20.5	21.1
21.3	20.8	20.6	21	21.5	20.8	19.5	20	19.9	20.1	20.1	19.9	**20.5**
22.5	21.2	21.5	21.6	**22.5**	22	21.5	21.3	21.5	21.7	21.8	21.5	21
22.3	**22.5**	21.7	22.2	**22.5**	22.1	22.1	22.1	22	22.1	21.9	21.6	21.7
22.6	22.7	22.7	**23.1**	21.4	21.3	21.4	21.2	21.4	21.6	21.1	21.7	22
21.6	20.9	20.6	20.6	20.4	20.1	20.3	20.5	20.7	20.7	20.7	20.4	20.7
23.8	22.9	22.9	23.4	22.9	22.6	22.5	22.4	22.3	22.1	22.2	22	22.1
23.4	22.9	**24.8**	23.5	23.5	22.6	22.8	22.5	22.4	22.5	22.5	22.5	22.6
24	**24.3**	23.8	23.5	22.5	22.3	22.4	22.2	22.1	22.1	22.7	22.8	22.8
23.9	23.6	**25.1**	23.2	23.9	23.7	23.8	23.5	23.8	23.1	23.6	23.6	**23.4**
22.9	23.4	23	22.5	22.1	**21.1**	22	22	23	23.4	**23.8**	23.7	22.9
24.6	24.2	24.1	23.8	23.4	22.7	22.8	22.5	22.6	22.5	**22.4**	22.8	**23.4**
23.2	23	22.9	22.7	22.4	21.9	21.8	21.8	21.8	21.8	21.9	21.9	22.2

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1												
2					Ci.-S.						Ci.-S.	
3	A.-Cu.		Ci.-S.				A.-Cu.		Ci.-S.			
4	Ci.-S.		Ci.-S.		Ci.-S.		Ci.		Ci.		Ci.	
5	Ci.		Ci.	ESE	Ci.		Ci.		Ci.		Ci.	
6	A.-Cu.	W	Ci.-S.		A.-Cu.	W	Ci.-S.		Ci.-S.		Ci.-S.	ENE
7	A.-Cu.	E	A.-Cu.	E							A.-Cu.	
8	A.-Cu.		Ci.		Ci.		A.-Cu.		Ci.-Cu.		A.-Cu.	
9	Ci.				Ci.		Ci.		Ci.-S.		Ci.	
10			A.-Cu.		A.-Cu.		Ci.-S.		A.-Cu.		A.-Cu.	
11	A.-Cu.	E	A.-Cu.		A.-Cu.		Ci.		A.-Cu.		A.-Cu.	W by N
12					Ci.-S.		Ci.					
13	Ci.-S.											
14	A.-Cu.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
15	A.-Cu.		A.-Cu.	SSW	A.-Cu.	SSW	A.-Cu.		Ci.-S.		Ci.-S.	
16	Ci.-S.		Ci.-S.		Ci.		Ci.		Ci.-S.		Ci.-S.	
17												
18	A.-Cu.	SW	A.-Cu.		A.-Cu.				Ci.-S.			
19			Ci.-S.		Ci.-S.		A.-Cu.					
20												
21							A.-Cu.		A.-Cu.		A.-Cu.	
22	Ci.		A.-Cu.	E			Ci.					
23	Ci.-S.	ENE	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
24							A.-Cu.		Ci.-S.		Ci.-S.	
25												
26									Ci.-S.		Ci.-S.	
27	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
28	Ci.-S.						Ci.					
29			A.-Cu.		A.-Cu.		A.-Cu.		Ci.-S.		Ci.	
30									Ci.-S.			
31	Ci.		Ci.		Ci.						Ci.	

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Cu.-N.	WSW	N.	WSW	Cu.-N.	SW	Cu.-N.	SW	Fr.-N.	SW	N.	
2	N.	SW	Cu.-N.	SW	Cu.-N.		Cu.-N.	SW	Cu.-N.		Cu.-N.	SW
3	Cu.		Cu.	E	Cu.-N.		Cu.	E	Cu.		N.	
4	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
5	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
6	Cu.		Cu.	W by S	Cu.		Cu.		Cu.		Cu.	
7	Cu.		Cu.		Cu.	WSW	Cu.		Cu.		Cu.	
8	Cu.-N.	W	Cu.	W	Cu.	W	Cu.-N.	W	Cu.	W by N	N.-cf.	
9	Cu.	W	Cu.-N.	W by N	Cu.		Cu.		Cu.		Cu.	
10	Cu.-N.	W	Cu.-N.	W	S.-Cu.	W	S.-Cu.	W	S.-Cu.	W	Cu.	
11	Cu.	W	Cu.	W, WSW	Cu.	WSW	Cu.		Cu.		Cu.	W by S
12	Cu.-N.	W	Cu.-N.	W	Cu.	W	Cu.	W	Cu.-N.	W	Cu.-N.	W
13	N.		N.	WSW	Fr.-N.	WSW	N.	WSW	N.		N.	
14	Fr.-N.		Fr.-N.		Cu.	SW	Cu.	SW	Fr.-N.		Cu.	
15	N.-cf.		S.-Cu.		S.-Cu.		Fr.-Cu.		S.-Cu.		Cu.	
16	Cu.-N.	WSW	Cu.		Cu.	WSW	Cu.	WSW	Cu.	WSW	Cu.	WSW
17	Cu.	WSW	Cu.-N.	WSW	Cu.-N.		Cu.-N.	WSW	Cu.-N.	WSW	Cu.-N.	WSW
18	Cu.		Cu.-N.	W	Cu.	W	Cu.-N.		Cu.-N.		Cu.-N.	
19	Fr.-N.	WSW	Fr.-N.		Cu.	SW	Cu.	SW	Cu.-N.		N.	
20	N.	WSW	N.	W	N.	W	Cu.-N.		Fr.-N.	W by N	Cu.-N.	
21	N.	SW	Cu.-N.	SW	Cu.-N.	SW	Cu.-N.		N.-cf.	WSW	Cu.-N.	
22	Cu.		Cu.		Cu.	E	Cu.		Cu.		Cu.	
23	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E
24	Cu.-N.	NW	Cu.-N.	NW	N.-cf.	NW	Cu.-N.	NW	Cu.		Cu.	
25	N.		N.		N.		N.		Cu.-N.		Cu.-N.	
26	Cu.-N.	WSW	Cu.-N.	W	Cu.-N.	W	Cu.-N.	SW	Cu.-N.		Cu.-N.	
27	Cu.		Cu.		Cu.	W by S	Cu.	W by S	Cu.	W by S	Cu.	
28	Cu.-N.		Cu.-N.	SW	Cu.	SW	Cu.	SW	Cu.-N.		Cu.-N.	
29	Cu.-N.	W by S	N.-cf.	WSW	Cu.	WSW	Cu.	WSW	Cu.		Cu.	WSW
30	N.	WSW	N.		N.	WSW	Cu.-N.		Cu.-N.	WSW	Cu.-N.	WSW
31	Cu.	WSW	Cu.	WSW	Cu.	W	Cu.	WSW	Cu.		Cu.	

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Ci.-S.		Ci.-S.						Ci.-S.			
		Ci.-S.				Ci.-S.				Ci.-S.	
Ci.						A.-Cu.		A.-Cu.		Ci.	
Ci.	ESE	Ci.		Ci.		Ci.		Ci.		Ci.	
Ci.	ENE	Ci.	ENE	Ci.		Ci.		Ci.		Ci.	
Ci.-S.		Ci.-S.				A.-Cu.		Ci.-Cu.		A.-Cu.	
Ci.		Ci.-Cu.		A.-Cu.	E	Ci.-S.					
A.-Cu.		Ci.									
Ci.-S.		Ci.-S.		A.-Cu.		Ci.-S.					
A.-Cu.		A.-Cu.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-Cu.	
						A.-Cu.					
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.					
Ci.-S.		Ci.-S.				Ci.-S.					
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.		Ci.-S.		A.-Cu.		A.-Cu.		Ci.-Cu.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.-S.		Ci.		Ci.				Ci.-Cu.		Ci.-Cu.	
		A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.		Ci.-Cu.	
A.-Cu.						Ci.-S.					
Ci.-S.		Ci.-S.		Ci.-S.							
Ci.-S.				Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.		Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.		A.-Cu.		Ci.-S.		Ci.		Ci.	
		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.			
		Ci.		Ci.-S.		Ci.-S.		Ci.-S.			

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
N.	SW	N.		N.	SW	Cu.-N.		N.	SW	N.	SW
Cu.-N.	SW	Cu.-N.	SW	N.	SW	Fr.-N.	SW	Cu.-N.	SW	Fr.-N.	SW
N.	WSW	Cu.-N.	WSW	Cu.-N.	WSW	Cu.-N.	WSW	N.		Cu.-N.	
Cu.		Cu.	SW	Cu.	SW	Cu.	SW	Cu.		Cu.	
Cu.		Cu.	WSW	Cu.	WSW	Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.	W	Cu.	W	N.	WSW	Fr.-N.	WSW	Cu.		Cu.-N.	
Cu.-N.	W	Cu.-N.	W	Cu.	W	Cu.-N.		Cu.-N.	WNW	Cu.-N.	
Cu.	W	Cu.	W	Cu.	W	Cu.	W	Cu.		Cu.	
Fr.-N.		Cu.-N.	W	Cu.-N.	W	Cu.	W	Cu.-N.		Cu.-N.	
N.		N.	WSW	Cu.-N.	WSW	Fr.-N.	WSW	Cu.-N.	WSW	Cu.-N.	
Cu.-N.		Cu.-N.	WbyN	Cu.-N.	WbyN	Cu.	WbyN	N.	SW	N.	
Cu.		Cu.		Cu.-N.	SW	Cu.-N.	WSW	Cu.-N.		Cu.	
Fr.-Cu.	WSW	Cu.	WSW	Cu.		Cu.		Cu.-N.		Cu.-N.	
Cu.	WSW	Cu.	WSW	Cu	WSW	Cu.		Cu.	WSW	Cu.-N.	
Cu.-N.	W	Cu.-N.	W	N.	W	Cu.-N.	W	Cu.-N.	W	Cu.-N.	W
Cu.-N.	SW	N.-cf.	WSW	N.	WSW	Fr.-N.	WSW	N.		N.	
Fr.-N.		N.-cf.	WSW	N.-cf.	WSW	N.-cf.		N.-cf.	SWbyW	N.	
Cu.		Cu.		Cu.		Cu.		Cu.	SW	Cu.-N.	SW
Cu.	WSW	Cu.	WSW	Cu.	WSW	Cu.		Cu.	WSW	Cu.	
Cu.		Cu.	E	Cu.-N.	E	Cu.		Cu.-N.		Cu.-N.	
Cu.-N.	NW	Cu.-N.	NW	Cu.-N.	WNW	Cu.-N.		Cu.-N.		Cu.-N.	
Cu.-N.	WbyN	Cu.-N.	WbyN	N.-cf.	WbyN	Cu.-N.		Cu.-N.		Cu.-N.	
Cu.-N.	WSW	Cu.-N.	WSW	Cu.-N.	WSW	Cu.-N.		Cu.-N.	WSW	Cu.	
Cu.		Cu.		Cu.		Cu.	SW	Cu.-N.	SW	Cu.-N.	
Cu.	WSW	Cu.	SW	Cu.	SW	Cu.		Cu.		Cu.	
Cu.-N.		Cu.	W	Cu.	W	Cu.		Cu.	W	Cu.-N.	
Cu.-N.	WSW	Cu.-N.	WSW	Fr.-N	WbyS	N.	WbyS	Cu.-N.		Cu.-N.	
Cu.	SW	Cu.	SW	Cu.	WSW	Cu.	WSW	Cu.	WSW	Cu.	

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	SWbyW	15	SW	10	SW	11.5	SW	11.5	SWbyS	5	SW	7
2	S	1.5	Calm		SE	1	Calm		SbyW	2.5	S	3.5
3	S	2	S	4.5	S	2	SSW	1.5	S	1.5	Calm	
4	SSW	2.5	Calm		Calm		SE	1	SE	.5	Calm	
5	Calm		Calm		Calm		Calm		Calm		Calm	
6	W	3	Calm		Calm		Calm		Calm		Calm	
7	SSW	1.5	Calm		Calm		Calm		Calm		Calm	
8	W	3	WSW	3	WbyS	4	W	4	W	2.5	NW	2
9	W	3	W	4.5	WbyS	5.5	WNW	3	WbyS	5.5	WSW	5.5
10	WSW	9	WbyS	9	WSW	7	WSW	9	WSW	9.5	WSW	10
11	WSW	10.5	WSW	12	WSW	13.5	WSW	14	WSW	12.5	WSW	10.5
12	WSW	10	WSW	10.5	SWbyW	7.5	WSW	12.5	WSW	8	WSW	9.5
13	S	6	S	6	SWbyS	6.5	SW	4.5	SW	7.5	SW	6.5
14	SbyW	4	SW	6.5	WSW	9.5	SW	9.5	SSW	5.5	SW	6
15	ENE	.5	SW	3	S	3	S	4.5	SSW	5	Calm	
16	SW	2	WSW	5	W	1	E	.5	Calm		Calm	
17	Calm		Calm		Calm		Calm		Calm		Calm	
18	Calm		Calm		N	1	N	.5	NNE	.5	Calm	
19	WSW	1.5	NW	2	WSW	1.5	E	1	Calm		Calm	
20	SW	2.5	SEbyE	2	SWbyW	1.5	WSW	6	WSW	5	Calm	
21	ENE	2	ENE	1.5	ENE	1.5	Calm		E	1	Calm	
22	Calm		Calm		Calm		Calm		E	.5	Calm	
23	Calm		Calm		SSW	.5	Calm		Calm		Calm	
24	Calm		Calm		WNW	4.5	NW	2.5	N	1	Calm	
25	WNW	4	WNW	3.5	NNW	2.5	NNW	2.5	NNW	2.5	Calm	
26	WSW	8.5	W	11	WbyS	10	WbyS	9	WSW	8	W	5
27	SSW	2	SSW	2.5	SSW	3	SSW	2	SSW	.5	SWbyW	4.5
28	SSW	6	SSW	3	SSW	2	SW	6.5	SW	5.5	SW	2
29	SWbyW	7.5	SWbyW	8	SWbyW	8	WSW	8.5	SWbyW	8.5	SW	6.5
30	SWbyW	8	SWbyW	8.5	SWbyW	12.5	SWbyW	8.5	SWbyW	10	WSW	13
31	SWbyW	8.5	SWbyW	8.5	WSW	8.5	WSW	8.5	WSW	8.5	WSW	6.5
Mean		4		4		4.2		4.2		3.8		3.2

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	SSW	3.5	W	7	WSW	6	WSW	6	WSW	4	SW	6
2	SW	9	SW	6	SW	6	SSW	3.5	SW	5	S	2
3	SWbyW	4.5	WSW	4.5	Calm		Calm		SW	8	SW	6
4	WSW	5.5	WSW	7	SWbyW	9	SW	4.5	WSW	4	WSW	7
5	SSW	4	WSW	7	WbyS	7	WSW	6	SW	5	WSW	5
6	WSW	4	WSW	3	SWbyW	5	WSW	3.5	WSW	3	WSW	6
7	WSW	5.5	WSW	8	SW	6.5	SW	6.5	SW	6.5	SW	4
8	WSW	5.5	WSW	7.5	SWbyW	8	WSW	10	WSW	8	WSW	7
9	WSW	12	WSW	11	WSW	17	WSW	15	WSW	12	W	10
10	WSW	9.5	WSW	13.5	WSW	11	WSW	9	WSW	13	WSW	8
11	WSW	9.5	WSW	10	WSW	8.5	SWbyW	11	WSW	8	WSW	8
12	WSW	10.5	WSW	8.5	WSW	7	WSW	5	SSW	2.5	Calm	
13	WSW	3.5	Calm		Calm		Calm		SSW	7	SSW	5
14	WSW	8.5	WSW	9	WSW	5.5	WSW	8	SW	11.5	WSW	8
15	WSW	8	WSW	6.5	WbyS	8.5	WSW	8.5	WSW	4	WSW	5
16	WSW	4	WSW	5	SW	3	SW	3	SW	1.5	WSW	4.5
17	WSW	4	WSW	8	SW	4	SW	6	WSW	6	WNW	.5
18	NW	1.5	Calm		Calm		Calm		SE	3	Calm	
19	W	7	WNW	1.5	W	5	Calm		SSW	1.5	WSW	4
20	WbyS	1	SWbyW	4	WSW	7	SW	6	SWbyW	3	WNW	7
21	WSW	3.5	WSW	7	WSW	9	WSW	6	WSW	6.5	SW	3.5
22	WSW	5	SW	5	WSW	6	WSW	4	WSW	2.5	SW	2
23	W	1	W	1.5	WSW	4	WSW	2	WSW	2.5	SWbyS	2
24	WSW	4.5	WSW	5	WSW	4.5	NNW	6	Calm		Calm	
25	Calm		W	5	W	6	W	7.5	W	9	W	11
26	SW	7.5	SW	6	SW	8	SW	10	SWbyW	6	SWbyW	5.5
27	WSW	5	WSW	7	WSW	5.5	SW	7	WSW	4.5	SW	5
28	WSW	4.5	SW	6	SW	10.5	SW	6.5	WSW	6.5	WSW	7
29	WSW	10.5	WSW	7	WSW	7.5	WSW	9	WSW	9	WSW	9.5
30	WSW	7.5	WSW	11	NWbyW	4.5	W	7	Calm		N	5
31	SW	8.5	SW	8.5	SWbyW	9.5	SWbyW	11	WSW	11.5	SWbyW	7
Mean		5.7		6.3		6.4		6		5.6		5.2

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
SW	8	W	6	SWbyS	6.5	SW	8	SW	5.5	WSW	4.5
SSW	8.5	SSW	4	SW	7.5	SW	6.5	SW	5.5	SW	6.5
Calm		S	3	SW	5.5	SW	5	SWbyS	5.5	SSW	4.5
S	2.5	S	4	SSW	1	SW	5	SW	2.5	SWbyW	10
Calm		Calm		Calm		WSW	3	SWbyW	4	SWbyW	4
Calm		Calm		Calm		WSW	1	WSW	1.5	WSW	4.5
Calm		NW	3	WNW	1	W	3.5	WSW	4.5	WSW	5
Calm		NW	3	Calm		WNW	4	WSW	6	WSW	10
WSW	4	W	6	WSW	3.5	WSW	12	WSW	11.5	WSW	13
WbyS	9.5	W	10.5	WbyS	6	W	3	WSW	6	WSW	13.5
WSW	9	WSW	10.5	WSW	12	WSW	11	WSW	10	WSW	8.5
WSW	6.5	W	3.5	WSW	10	WSW	5	SSW	5	W	8.5
WSW	7.5	SW	5.5	SWbyW	4	WSW	6	SWbyW	12	SW	9
SW	6	SSW	3.5	SSW	2.5	S	3	SW	6.5	SW	7.5
S	2.5	S	1.5	SSW	2.5	SW	5.5	SW	5	WSW	3.5
Calm		Calm		Calm		Calm		W	4	WSW	6.5
Calm		Calm		Calm		Calm		Calm		NW	3.5
Calm		Calm		NNW	1.5	NW	2	NW	2.5	Calm	
Calm		Calm		Calm		Calm		Calm		WSW	10
Calm		SSW	2	WSW	3.5	Calm		Calm		Calm	
WSW	1	Calm		SSW	2	Calm		Calm		WSW	5
Calm		Calm		Calm		Calm		WSW	.5	WNW	1.5
Calm		Calm		Calm		Calm		Calm		Calm	
Calm		Calm		Calm		NW	2	WNW	1.5	W	1.5
NNW	3	Calm		Calm		NNW	1.5	Calm		Calm	
WSW	13	WSW	13	WSW	14	SW	11	WSW	9	WSW	12.5
S	2.5	Calm		Calm		SW	2.5	SW	2.5	SWbyW	7.5
SSW	4	SSW	2	SSW	3	SW	3.5	WSW	11	WSW	7.5
SWbyW	5	SW	7	SW	5	SW	7.5	SW	6	SW	8
WSW	10	WSW	11	WSW	10.5	WSW	6.5	WSW	8.5	WSW	7.5
WSW	6	WSW	8.5	SWbyW	7	SWbyW	6.5	SWbyW	11.5	SW	8
	3.5		3.5		3.5		4		4.8		6.2

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		Midnight.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
WSW	13	WSW	11	WSW	8.5	SWbyW	9	SWbyW	3.5	SWbyS	3	7.5
S	7	S	3.5	S	2.5	S	2.5	S	2	S	3.5	4.1
WSW	4	SSW	5	SSW	4.5	SSW	1	SSW	2.5	SSW	5	3.3
SW	3.5	SSW	2.5	SSW	2	SSW	1.5	SSW	1.5	SSW	.5	3.2
SW	3	SW	3	SW	2.5	SW	1.5	SW	1.5	SW	2	2.4
WSW	4.5	WSW	4.5	WSW	3	WSW	5.5	WSW	4.5	WSW	2.5	2.5
WSW	6.5	WSW	7.5	WSW	8	WSW	5.5	WSW	4	WSW	3	3.8
WSW	6	SWbyW	6.5	WSW	6	WSW	5.5	WSW	4.5	W	1.5	4.9
W	6	WSW	8.5	WbyS	8	WbyS	7.5	WSW	9	WbyS	9	8.4
SW	2	WSW	7	SW	8	WbyS	3	SW	4	WSW	11.5	8.4
WSW	8	WSW	11	SWbyW	10.5	WSW	11	SWbyW	9	SWbyW	9	10.3
SW	8	SWbyW	9.5	SSW	7	SWbyS	5	SSW	1	SSW	1	6.7
SW	6.5	SW	4	Calm		SSE	1.5	SW	1.5	SW	7	4.9
WSW	7	SSW	7.5	SWbyW	7	W	5.5	NNW	2	NNE	1.5	6.3
WSW	3	WSW	1.5	Calm		Calm		W	2	WbyS	4	3.6
WSW	5	WSW	5	WSW	4	SSW	1	Calm		Calm		2.3
Calm		WSW	2.5	WSW	2	Calm		Calm		Calm		1.5
Calm		S	1.5	S	1.5	Calm		SSE	.5	SSW	1	.7
SW	3	SbyW	2	SbyW	1.5	S	1	SSW	2	SSW	3	2
WNW	3	NW	3	Calm		NE	3	ENE	2	NE	2	2.6
SW	4	SW	3.5	SSW	2	Calm		Calm		Calm		2.5
Calm		SW	2	Calm		Calm		Calm		Calm		1.2
SW	3	SW	5.5	SW	5	Calm		Calm		Calm		1.1
Calm		N	3	NNW	2.5	NNW	.5	NNW	1.5	WNW	2.5	1.8
W	9	W	8.5	W	8	W	8.5	W	6.5	W	8	4.4
SW	5.5	SW	6	SW	7	SW	5	SW	3.5	SSW	3	8.2
SW	5.5	SW	5.5	S	3	S	1.5	S	1.5	Calm		3.4
WSW	5	WSW	6.5	SWbyW	5	SWbyW	6	WSW	6.5	SW	5	5.5
WSW	3.5	WSW	10	WSW	8.5	WSW	9	WSW	8	WSW	7.5	7.7
Calm		WSW	2.5	WSW	6.5	WSW	6.5	WSW	9	WSW	6.5	7.5
WSW	16	WSW	13.5	SWbyW	6.5	SW	6.5	SW	11.5	SW	10	9
	4.9		5.6		4.5		3.7		3.4		3.6	4.6

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	28	29	34	**37**	20	29	36	29	16	20	31	26
2	9.5	3.5	5	4	5.5	10	21.5	17	21	25	25	27
3	11.5	8.5	7	11.5	4	5	8	7.5	12	18	20	15
4	10	5	1.5	3.5	3	2	10	19	13	12	19	26
5	0	0	0	0	0	1	1	2	3	6	22	20.5
6	9.5	5	0	0	0	.5	.5	.5	4.5	7	11.5	15.5
7	7	4	1	.5	0	0	0	3.5	10	13	22.5	21
8	10	6.5	12.5	15	12	10	5.5	9	12.5	13	33	34
9	23	10	25	14	14	22	21	21	16	23	41	44
10	31	30	29	33	35	36	37	35	30	23	37	42
11	39	38	35	42	38	39	37	**45**	38	34	42	37
12	34	30	32	30	**36**	35	32	25	28	27	30.5	29
13	11	22	18	16	19	21	21	31	19	35	**43**	36
14	17	21	27	29	14	30	32	23	18	7	32	30
15	4.5	8.5	9.5	10.5	18.5	10	7.5	11	8.5	10.5	23.5	18
16	6	14	11	2	1	3.5	.5	1	3	4	11	14
17	.5	0	0	1	.5	.5	3.5	2	3.5	5	8	7.5
18	1	2	5.5	4	2	2	5.5	7	12	11	**16**	14.5
19	5	13	7	2	2	1	2.5	1.5	.5	2.5	3	**37.5**
20	13	8.5	4.5	23	21.5	12	2.5	15	10	7.5	5.5	1.5
21	8	9	5	2.5	3	3.5	8	**7**	11	8	12	19
22	2	3	4.5	3	4.5	4.5	2.5	2.5	3	4.5	5	13
23	1	0	1	3.5	1.5	.5	2.5	3.5	4	**5**	9	9
24	2	2.5	8	14	5	4	6	3	5.5	11.5	16	11
25	15	19	20	11.5	11.5	6.5	13.5	9	10.5	7.5	7.5	5.5
26	27	37	39	37	31.5	19.5	41	47	40	31	**54**	40
27	13	12	12	17	7.5	13.5	13	9	7	18	25	25
28	9	15	11	17	24	**23**	18	13	15	13	28	**33**
29	24	30	29	32	30	31	29	29	32	26	**37**	34
30	37	39	40	40	40	**42**	**44**	40	40	32	**44**	39
31	36	32	33	39	38	34	34	35	38	37	39	38.5
Mean	14.3	14.7	15.1	16	14.3	14.6	16	16.2	15.6	16	24.3	24.6

AMOUNT OF CLOUDS (0–10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
2	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
3	7	8	10	9	8	10	10	10	10	10	10	10	9.3	2 30
4	8	4	4	4	4	7	6	4	4	6	6	5	5.2	**10 00**
5	4	5	6	7	8	7	8	9	9	8	10	9	7.5	9 05
6	9	8	7	5	5	7	8	7	6	6	6	6	6.7	8 05
7	6	6	4	7	4	4	6	4	3	4	4	6	**4.8**	8 45
8	9	8	9	10	7	9	4	6	8	8	7	8	7.8	4 20
9	8	10	7	8	9	7	10	7	10	10	10	10	8.8	4 50
10	10	10	10	9	9	8	9	8	9	10	10	10	9.3	2 10
11	9	8	9	8	9	8	8	8	5	5	5	4	7.2	7 05
12	9	10	6	9	10	10	10	10	10	10	10	10	9.5	3 15
13	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
14	10	10	10	9	10	10	10	10	10	10	10	10	9.9	0 35
15	9	9	9	10	10	9	9	9	10	10	10	10	9.5	4 40
16	10	9	10	9	8	7	9	9	10	10	10	9	9.2	5 05
17	8	10	10	10	10	10	8	7	9	8	5	9	8.7	5 05
18	8	9	8	10	10	10	10	10	10	10	10	10	9.6	1 40
19	10	10	10	9	10	10	10	10	10	10	10	10	9.9	0 50
20	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
21	10	10	10	9	8	8	5	4	3	3	3	5	6.5	6 35
22	5	4	3	3	2	2	7	9	7	5	6	8	5.1	9 35
23	9	9	8	8	8	8	6	6	7	8	10	10	8.1	6 20
24	10	10	10	9	9	9	10	10	10	10	10	10	9.8	1 10
25	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
26	10	10	10	10	10	10	10	10	10	10	10	9	9.9	0 10
27	10	10	10	9	10	10	9	9	10	9	9	10	9.6	7 45
28	9	10	9	8	10	10	8	8	8	6	4	7	8.1	5 35
29	9	7	5	4	4	9	10	10	10	10	10	10	8.2	5 30
30	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
31	7	8	9	7	8	9	6	6	6	7	6	6	7.1	6 25
Total														127 05
Mean	8.8	8.8	8.5	8.4	8.4	8.6	8.6	8.4	8.5	8.5	8.4	8.7	8.6	4 06

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–Mdt.	Mean.
15	22	21	29	26	26	35	27	27	35	29	14	**26.7**
32	29	30	16	30	19	16	13	9	9	13	11	**16.7**
27	18	13	9	18	**34**	20	10	18	11.5	1.5	18	**13.6**
25	27	**28**	22	20	18	13.5	12.5	9	6	5	4	**13.1**
19	23.5	**29.5**	27.5	24	22	17	16.5	9.5	9	6.5	7	**11.1**
17	21	22	23	24	**25**	16	17	16.5	13.5	17	13	**11.6**
26	26	26	26	26	**31**	28	26	24	21	17	11	**15.4**
38	**38**	**38**	36	36	32	26	26	30	16	25	19	**22.2**
46	41	**48**	**48**	47	35	36	35	34	35	33	36	**31.2**
45	43	**45**	35	33	32	23	22	12	17	13	16	**30.6**
40	37	**45**	34	31	35	38	34	35	31	29	31	**36.8**
25.5	32	31	25	16	10	22	35	29	15	7	3	**25.8**
25	6	7	9	16	16	15	27	3.5	3.5	13	25	**19.1**
33	**36**	33	32	24	28.5	22.5	22	25	21	15	3	**24**
21	29	**41**	30	24	22	16	9	2	0	6	13	**14.7**
21	18	**26**	20	22	21	19	19	15	8	3	2.5	**11.1**
16.5	26	25	27	**28**	27	6	8.5	13.5	8	.5	2	**9.2**
13.5	8	8.5	8.5	7	8	7	4	14	2	2	7	**7.2**
27.5	19.5	15.5	10.5	14.5	20	17	10.5	5.5	4	8	14	**10.2**
3	12	23	**25**	22	23	23	18	4.5	7.5	11	7	**12.6**
20	26	**32**	27	27	24	24	18	12	3	2.5	2.5	**13.1**
23	**24**	23	20.5	16.5	14	7	8	4	1	.5	1	**8.1**
12	15	16	14	18	**24**	18	20	17	8.5	1	1	**8.5**
18	21	**24**	23	14	6	6	13	13	5	6	11	**10.4**
8.5	15.5	22	31	27	36	**37**	27	27	29	24	23	**18.5**
42	36	37	32	31	33	33	31	32	30	27	20	**34.5**
28	26	25	**30**	25	25	25	24	13	9	9	3	**17.2**
20	27	31	29	29	31	22	23	24	21.5	19.5	19	**21.5**
36	35	34	33	35	30	32	**37**	35	36	35	34	**32.3**
37	36	29	28	12	12	6	7	15	32	34	34	**31.6**
39.5	36.5	43.5	42.5	**46.5**	39	42	38.5	35.5	33.5	31	35	**37.4**
25.8	26.1	**28.1**	25.9	24.8	24.5	21.5	20.6	18.2	15.5	14.3	**14.2**	19.2

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1										1	11	10	2					641	0	30
2							1		9	4	8						2	401	1.6	14.6
3									5	7	5	3					4	326	.8	14.3
4							2		2	7	4	6					3	314	3.9	.8
5										1	4	9	1				9	266.5	4.1	
6												15	1				8	279.5	3.8	
7										1	4	10	1	1	1		6	370.5	4.5	
8												14	5		2	1	2	533	4.4	
9												13	10	1				748	4.4	.3
10											3	15	6					734	3.2	1
11												24						884	4.2	.5
12										5	2	14	2				1	619	2.1	4.2
13								1	2	2	10	5					4	458	.2	**133.1**
14		1							1	5	7	8	1			1		575	2.1	46.3
15				1					4	2	3	8	3				3	353.5	3.1	12.9
16					1					1	4	8	2				8	265.5	3.1	1.8
17											2	5		1	1		15	220	.6	11
18	2	1					1	1	2	1					3	1	12	172	.3	9.4
19					1				1	5	1	4	2	1	1		8	244	.7	10.6
20			2	1			1			1	2	7	1	2	1		6	303.5	.6	80.4
21				3	1					2	3	7					8	314	3	.4
22					1						3	5		1			14	194.5	3.6	
23										1	4	3	2				14	205	3.2	
24	2											3	1	3	2	4	9	248.5	1	6.3
25													11	2		5	6	444	2.1	2.7
26										1	10	9	4					828	3.5	9.4
27									4	5	6	6					•3	414	3	.6
28										6	8	10						515	2.1	8.1
29											6	18						775	2.5	5.7
30	1											19	1		1		2	759	1.4	13.2
31											6	18						**896.5**	4.4	1.8
Total	5	2	2	5	4	0	5	2	30	58	116	276	56	12	12	12	147	14,301.5	77.5	419.4
Mean	0.2	0.1	0.1	0.2	0.1	**0**	0.2	0.1	1	1.9	3.7	**8.9**	1.8	0.4	0.4	0.4	4.7	461.3	2.5	13.5

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°C.		*Per cent.*	*mm.*	*mm.*		°C.		*Per cent.*	*mm.*
1	756	11.00p.	28.9	9.05a.	94	23.8	753.06	3.00p.	24.3	2.05p.	85	21.3
2	57.05	10.50p.	30.4	0.35p.	98	23.6	54.45	2.30p.	24.1	2.45a.	78	21.3
3	57.85	10.35p.	31.7	11.35a.	98	24.3	55.10	3.45p.	24.7	4.50a.	74	21.5
4	57.55	9.30p.	32.5	11.05a.	97	25.1	55.10	4.10p.	23.7	5.30a.	73	20.8
5	58.65	10.15p.	32.4	1.15p.	96	23.8	56.01	4.00p.	23.6	6.00a.	69	20.7
6	58.90	9.30a.	32	0.20p.	94	23.9	56.35	4.50p.	23.9	5.35a.	67	20.6
7	58.65	8.45a.	32.4	11.40a.	96	23.8	56.50	4.35p.	23.9	5.55a.	71	21
8	57.90	0.05a.	32.2	1.20p.	87	24.3	54.40	5.00p.	26.6	6.35a.	73	21.7
9	56	0.05a.	32.3	2.05p.	87	24.9	53	3.25p.	26.4	9.05p.	74	22
10	55.50	10.15p.	32.6	1.25p.	87	25.7	52.60	2.50p.	24.9	10.45p.	75	20.2
11	55.85	10.00p.	32.7	0.50p.	86	24.4	53.25	3.15a.	26.3	0.05a.	73	21.6
12	56.90	9.30p.	31.6	10.35a.	91	24.4	54.35	3.45p.	24.8	11.50p.	75	20.7
13	56.55	0.35a.	27.6	5.50p.	98	23.4	54.10	4.55p.	23.6	0.40p.	90	20.8
14	57.95	11.45p.	30.6	0.10p.	93	24	54.20	3.05a.	24	11.35p.	76	20.6
15	59.65	10.35p.	31.3	0.05p.	92	23	56.60	2.45a.	23.5	1.35a.	72	20.2
16	60.10	10.25p.	31.9	0.35p.	95	24.3	58.20	3.50p.	23.5	5.50a.	73	20.5
17	59.85	0.05a.	31.7	2.25p.	93	24	57.10	4.20p.	23.7	5.55a.	74	20.4
18	58.40	10.45p.	29.8	8.55a.	97	24.5	56.11	3.00p.	23.1	11.45p.	77	20.4
19	57.95	10.00p.	29.6	10.30a.	95	22.4	55.80	3.00a.	23	5.10a.	82	19.8
20	58.25	11.00p.	28.4	2.50p.	98	22.6	55.80	3.45p.	23	7.40p.	79	20.1
21	58.20	9.10a.	30.2	4.10p.	97	22.4	55.95	3.45p.	22.1	3.50a.	71	19.4
22	58	10.35p.	31.9	1.20p.	95	22.5	55.35	5.00p.	22.3	6.00a.	69	18.6
23	57.85	10.15p.	31.8	2.20p.	93	22.5	55.25	3.00p.	23.8	5.55a.	68.5	20.5
24	57.50	0.05a.	30.7	0.25p.	96	23.1	54.10	3.45p.	24.1	11.00p.	70	21
25	55.70	0.05a.	28	2.30p.	94	21.6	51.05	5.05p.	23.2	6.55a.	75	19.9
26	55	10.45p.	30.5	0.35p.	88	23.8	51.90	4.20a.	23	3.30a.	77	19.1
27	58.05	10.45p.	31.4	1.20p.	93	24.8	54.50	3.00a.	24.7	5.05a.	72	20.9
28	58.60	8.30a.	31.4	10.50a.	93	24.3	56.98	5.00p.	24.8	7.05a.	76	21.7
29	57.99	8.00a.	31.6	0.40p.	90	25.1	55.75	3.50p.	26.3	0.20a.	75	21.2
30	57.37	9.00a.	29	0.05p.	92.5	23.8	55	3.30a.	24.4	6.15p.	83	21.1
31	57.30	11.10p.	30.8	2.35p.	89	24.6	54.90	3.40p.	26	2.20a.	77	22.4
Mean	757.65	-------	31	-------	93.3	23.8	754.93	-------	24.2	-------	75	20.7

DAILY GENERAL REMARKS.

1____Somewhat squally weather.
2____Rain squalls in the morning; d in the afternoon.
3____● in the morning and afternoon; ⊤ E 11.50 a. m.; gusty SW winds in the afternoon.
4____◠², d° in the morning; somewhat gusty SWly winds in the afternoon.
5____Ω early in the morning, somewhat gusty SWly winds in the afternoon.
6____Convergence of Ci. to the N by E at noon.
7____Somewhat gusty SWly winds in the afternoon and evening.
8____d° 11.47 a. m.; gusty WSW winds in the afternoon.
9____Gusty winds from WSW at intervals; ● 4.20 p. m.; ⌈◟° various points in the evening.
10____Gusty WSW at intervals with some d or ●°.
11____●° in the early morning; gusty WSW winds at intervals.
12____Somewhat gusty SWly winds at intervals with occasional p.
13____Rainy and somewhat squally weather at intervals.
14____Gusty SWly winds at intervals; ● in the early morning and at night.
15____● in the early morning; somewhat gusty WSW winds in the afternoon.
16____●, convergence of Ci. toward NNW in the morning.
17____⊤ N 8.55 a. m.; ● in the afternoon and at night.
18____◉ in the morning and afternoon.
19____As yesterday.
20____Continuous ● at night, and especially in the morning.
21____d° in the morning; somewhat gusty WSW winds in the afternoon.
22____Cloudy weather.
23____○ in the morning; ⌈◟ E, d° in the afternoon.
24____● in the afternoon and at night.
25____Continuous d in the morning; gusty W winds in the afternoon and at night.
26____Gusty SWly winds at intervals, with ● in the morning.
27____○² in the morning and afternoon; ●° at night.
28____●, gusty SWly winds in the morning and afternoon.
29____Somewhat gusty SWly winds at intervals; ● in the early morning and at night.
30____Gusty WSW winds at intervals; ● in the morning and afternoon; ⌈◟ N quadrant in the afternoon; ◟ NW in the evening.
31____◠, ● in the morning; ○ 2.15 p. m.; gusty SWly winds at intervals.

OBSERVATIONS FOR SEPTEMBER, 1911.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	56.75	56.40	**56.15**	**56.15**	56.40	56.49	56.94	57.43	57.84	58.12	58.08	57.78
2	58.70	58.20	58.05	57.90	58.10	58.27	58.55	**58.87**	58.86	58.76	58.75	58.40
3	58.40	58.10	57.65	57.70	57.80	57.96	58.54	58.67	58.58	58.52	58.28	57.97
4	58.60	58	57.80	57.75	58.20	58.50	58.69	58.97	58.87	58.81	58.67	58.51
5	58.60	58.25	58.05	58	58	57.88	58.40	59.14	59.48	**59.49**	59.24	58.72
6	58.50	57.90	57.55	57.65	57.90	58.02	58.60	58.98	59.34	59.27	59.23	58.70
7	59.10	58.95	58.70	58.55	58.70	58.89	59.24	59.54	**59.64**	**59.64**	59.33	58.57
8	58.80	58.50	58.50	58.20	58.25	58.46	58.75	59.26	**59.27**	59.10	58.69	58.02
9	58	57.85	57.45	57.60	57.65	57.88	58.25	58.49	58.49	58.27	58.09	57.73
10	58.60	58.40	58.40	58.45	58.45	58.51	58.84	59.26	**59.55**	59.53	59.31	58.81
11	58.90	58.70	58.60	58.65	58.80	58.78	59.44	59.87	**60.54**	60.31	60.26	59.75
12	59.50	59.10	59	59	59	59.22	59.37	59.72	**59.88**	59.57	59.12	58.50
13	58.45	58.15	57.85	57.80	58.05	58.23	58.70	**58.99**	58.92	58.74	58.38	57.47
14	57.60	57.15	56.75	56.85	56.95	57.29	57.65	57.84	**57.99**	57.64	57.58	56.88
15	56.35	56.10	56.15	56.20	56.35	56.88	56.95	57.10	**57.13**	57.08	56.64	56.04
16	55.05	54.70	54.65	54.50	54.70	54.78	55.40	**55.78**	55.64	55.48	55.41	54.75
17	54.45	54.45	54.40	54.40	54.45	54.79	55.13	55.71	55.58	**56.09**	55.91	55.37
18	54.65	**54.55**	**54.55**	54.65	54.85	55.05	55.51	55.75	56.17	56.14	55.89	55.78
19	56.40	55.85	55.10	**54.95**	55.25	55.63	56.39	56.83	57.02	56.90	56.72	55.71
20	57.95	57.55	57.35	57.25	57.50	57.80	57.99	58.46	58.50	58.80	58.28	58.25
21	**59.45**	59.05	59	59	58.60	58.32	58.50	58.76	58.96	58.97	58.69	57.94
22	57.85	57.75	56.80	56.25	56.45	56.76	57	57.56	57.60	57.44	57.03	56.69
23	57.60	57.15	56.90	56.90	56.90	57.16	57.66	58.19	58.32	58.33	57.91	57.21
24	58.65	58.60	58.40	58.40	58.40	58.79	59.08	59.42	**59.57**	59.23	59.01	58.32
25	58.40	58.05	58.05	57.95	58.20	58.30	58.57	58.74	**58.78**	58.55	58.19	57.56
26	**56.20**	55.85	55.50	55.40	55.05	55.15	55.30	56.07	56.15	55.69	55.32	54.57
27	51.05	50.50	50.15	50.40	50.10	49.84	50.75	50.47	50.72	51.38	50.68	50.29
28	51.05	51.45	50·90	**50.85**	51.40	51.52	52.41	52.99	53.54	54.11	53.91	53.46
29	54.95	54.90	**54.55**	54.70	54.90	55.28	56.05	56.69	56.94	56.76	56.62	55.91
30	56.40	55.90	55.95	**55.75**	55.80	56.26	56.89	57.21	57.54	57.33	57.04	56.75
Mean	57.16	56.87	56.63	56.59	56.70	56.89	57.32	57.69	**57.85**	57.80	57.53	57.01

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	27.6	27.5	27.3	27.2	27	27.3	27.8	28.4	28.7	28.7	29.8	29.7
2	26.6	26.6	**26.4**	26.8	26.9	26.8	28.1	28.5	28.9	29.3	29.8	**30.5**
3	26.6	26.4	26.3	25.3	**24.6**	**24.6**	26	28.7	29.7	30.2	30.3	30.3
4	25.3	25	25.1	24.5	**24.4**	**24.4**	26.3	27.5	29.4	30.3	**30.8**	30.6
5	26.7	25.5	25.3	25.3	**25.2**	**25.2**	25.8	26.9	29.7	29.3	30.2	30.2
6	26.1	26.7	25.5	25.1	25	**24.9**	26.5	28	29.6	30.2	30.5	30.5
7	25.4	25.2	24.9	**24.4**	24.5	24.8	26.8	28.5	30	30	30.5	**30.7**
8	24.2	23.8	23.6	23.4	23.2	**23**	25.4	27.1	28.6	29.6	28.8	30.5
9	24.5	24	23.7	23.1	22.9	**22.8**	25.2	27.5	29.1	29.2	29.2	30.3
10	23.2	22.7	22.4	22.1	22	**21.8**	25	27.4	29.9	29.3	30.1	30.8
11	25.5	25.2	24.9	24.8	24.6	24.5	25.5	25.8	25.4	25.2	25.3	25.9
12	23.5	23.3	23.1	**22.7**	**22.7**	22.8	24	26.5	28.1	29.4	**30**	**30**
13	24.4	24.1	23.8	23.6	**23.4**	**23.4**	26	27.4	27.3	29	29.8	29.9
14	23.9	23.5	23.3	22.8	22.6	**22.5**	24.3	27	28.2	29.7	29.6	30.4
15	24.4	24.1	24.2	24.1	**23.9**	**23.9**	25	26.5	27.8	29.2	29.8	30
16	25.9	25	25.1	24.5	24.2	**24.1**	25.7	28.1	29.5	29.7	30.3	**30.5**
17	27.7	27.7	27.6	26.4	26.8	27.7	28.2	28.5	29.4	29.8	**30**	29.8
18	24.5	**24.2**	**24.2**	24.4	24.3	24.3	25.3	27	28.3	**29.6**	29.5	26.6
19	24.4	24.3	23.8	23.9	**23.7**	24	25.3	27	28.9	28.9	28.3	29.6
20	24.7	24.6	24.5	24.1	**23.9**	**23.9**	25.2	28	29.5	29.7	30.5	30.5
21	24.8	24.3	23.8	23.7	**23.4**	**23.4**	24.3	27.1	28.2	28.6	29.2	29.4
22	24.3	24.4	23.7	23.5	**23.4**	**23.4**	24.5	25.1	26.4	29	28.6	28.4
23	24.2	23.6	23.4	23.3	23	**22.8**	26	28.2	29.7	30.5	**31.8**	30.7
24	24.5	23.5	23.2	22.8	**22.4**	**22.4**	25.5	28.2	29.1	29.5	30.5	30.1
25	24.3	24.2	24	23.5	23.3	**23**	26.2	28.2	28.2	29.2	29.9	30
26	25.2	25.2	25	25.1	25	**24.9**	25.8	26.6	27.3	28.7	29.6	30.7
27	28.5	28.6	28.5	28.4	28.2	28.5	28.8	29	**29.1**	**29.1**	29	27.7
28	**24.5**	26.2	26.8	27.8	27.9	27.7	27.3	27.5	27.3	25.9	26.8	27.9
29	24.8	24	24.1	24.1	23.9	24	24.7	25	25.5	25.5	25.3	24.2
30	23.8	23.9	24.7	**23.9**	24.2	25.2	24.9	25.8	27.6	28.4	28.6	**28.8**
Mean	25.1	24.9	24.7	24.5	**24.4**	**24.4**	25.8	27.4	28.5	29	29.4	29.5

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
57.44	57.18	56.93	56.69	57	57.66	57.91	58.30	59.05	59.20	**59.45**	59.10	57.52
57.74	57.40	57.10	**56.74**	56.75	57.17	57.90	58.50	58.65	58.85	58.65	58.45	58.14
57.42	57.09	**56.79**	56.86	57.15	57.58	57.90	58.70	59.20	**59.45**	59.25	59.05	58.11
57.90	57.62	57.49	**57.40**	57.45	57.70	58.08	58.55	59.25	**59.45**	59.10	58.85	58.34
57.84	57.44	57.21	**57.19**	57.27	57.91	58.34	58.75	59.10	59.15	58.95	58.85	58.39
58.15	57.66	57.19	**57.14**	57.70	57.91	58.26	59	59.50	**59.65**	59.55	59.25	58.44
57.79	57.52	57.24	**57.10**	57.72	58.48	58.87	58.90	59.15	59.60	59.60	59.30	58.76
57.28	56.86	56.68	**56.38**	56.62	56.94	57.13	57.45	58	58.50	58.25	58.10	58
57.07	56.55	**56.52**	56.53	56.61	57.09	57.50	57.95	58.60	**59.10**	58.85	58.90	57.79
58.28	57.86	57.42	**57.21**	57.47	57.78	58.30	58.60	59	59.05	59.25	59.25	58.57
59.30	58.70	58.39	**58.07**	58.43	58.29	58.84	59.50	60.10	60.10	60.05	59.75	**59.26**
57.74	57.30	56.83	**56.76**	56.98	57.48	58.03	58.80	58.95	58.90	58.85	58.75	58.60
56.93	56.13	**55.65**	55.91	55.99	56.57	57.12	57.35	57.85	58.05	58.15	57.85	57.64
56.14	55.40	**55.38**	55.40	55.80	55.92	56.30	56.95	57.45	57.85	57.60	56.90	56.89
55.44	54.98	54.87	**54.85**	55.04	55.30	55.33	55.40	55.75	56.05	55.90	55.55	55.98
53.86	53.37	**53.30**	53.37	53.46	53.87	54.05	54.40	54.70	54.85	55	54.95	54.58
54.32	53.66	**53.29**	53.47	53.69	54.20	54.65	55.05	55.35	55.55	55.55	55.15	54.78
55.14	55.04	54.83	54.98	55.68	56.07	56.54	56.55	56.80	**57.30**	**57.30**	57	55.70
55.12	55.02	54.98	55.44	55.84	56.59	57.12	57.55	58.10	**58.55**	**58.55**	58.35	56.42
57.42	56.75	**56.60**	56.75	57.24	57.77	58.29	58.55	59.20	59.55	**59.75**	**59.75**	58.05
57.26	56.91	**56.62**	56.66	56.94	57.60	57.79	58.05	58.55	58.70	58.30	58	58.19
56.42	55.63	55.29	**55.14**	55.75	56.06	56.64	57.10	57.90	**58.05**	57.95	57.90	56.88
56.49	55.98	55.81	**55.77**	56.30	56.78	57.55	58.05	58.60	58.90	**59**	58.80	57.43
57.67	57.10	57.11	**56.75**	57.09	57.26	57.60	58	58.70	58.75	59.05	58.70	58.32
56.96	56.41	55.97	55.96	**55.86**	56.25	56.45	56.50	56.90	56.95	57.10	56.65	57.39
53.87	53.15	52.46	51.96	51.92	52.83	53.04	53.05	53.15	52.70	52.20	**51.70**	54.10
49.72	49.25	49.01	**48.94**	49.50	49.83	50.14	50.45	51.25	51.90	**52.05**	51.05	**50.39**
52.99	53.01	52.70	53.14	53.39	53.79	53.95	55.15	55.35	**55.40**	55.20	55.15	53.19
55.55	55.81	55.99	55.89	55.89	56.29	56.39	56.50	**57.05**	**57.05**	56.95	56.50	56
56.32	56.10	56.13	56.06	56.20	56.30	56.90	57.50	**57.70**	**57.70**	**57.70**	57.35	56.70
56.39	55.96	55.73	**55.68**	55.96	56.38	56.76	57.17	57.63	57.83	57.77	57.50	56.95

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
30.2	29.5	29.3	29	28.3	27.6	27.5	27.5	27.3	27.2	25.9	**25.6**	28
29.8	30.3	30.4	29.8	29.1	27.8	27.6	27.5	27.2	27	26.8	26.8	**28.1**
30.4	**30.4**	30.2	30.2	29.3	27.9	27.5	27.4	27.3	27.2	26.4	25.4	27.9
30.2	30.3	30.1	29.8	29.1	28.3	27.8	27.7	27.6	27.2	27.2	26.9	27.7
30.3	**30.3**	30.1	29.7	29	28	27.6	27.4	27.4	27.1	27.1	26.3	27.7
30.8	31	**31.4**	30.2	29.6	28.4	27.8	27.7	27.6	27.3	26.5	25.8	28
28.4	29	28	27.6	27	26	25.6	25.4	25.5	25.1	25	24.6	26.8
31.1	**31.8**	29.9	29	29.7	27.8	26.6	26.4	26.2	25.7	24.8	24.7	26.9
31	29.3	26.1	30.4	29.4	27.3	26.3	25.7	24.8	24.5	24.4	24	26.4
31.4	**31.8**	30.9	31.5	29	27.8	27	26.4	26.6	26.2	26.1	25.7	27
26.7	26.7	**26.9**	26.6	26	25.5	25.1	25	25.1	24.8	24.5	**24.1**	25.4
29.4	27.2	29.6	29.2	29.4	27.1	26.4	26.1	25.8	25.2	24.7	24.6	26.3
29.6	30.4	**31.6**	28.6	28.3	27.3	26.2	25.9	25.6	25.2	24.4	24	26.6
30.4	30.8	28.1	**31**	30.2	28.6	28.2	28.1	26	25.4	25.2	24.5	26.8
30.2	**30.8**	30.7	30.1	29	28.3	28.3	28.3	28	28	27	26.3	27.4
30.4	30.2	30	29.5	29.2	28.7	28.5	28.5	28.1	28.1	28.2	27.9	27.9
29.7	29	28.5	26.4	27	26.1	26.1	26.1	26.4	**25.6**	25.8	**25.6**	27.6
28.2	28.9	28.6	25.7	25.5	25.1	25.1	24.9	24.5	24.5	24.5	24.5	25.9
30.4	26.9	27.4	25.1	25	25.5	25.1	25.1	25.2	25.1	25	24.7	25.9
30.7	**31**	28.9	29.7	27.7	26.6	25.2	25.1	24.8	25.4	25.5	25.5	26.9
29.7	29.4	28.8	28.1	27.8	24.6	24.6	24.6	24.7	24.6	24.6	24.4	26.1
27.2	27.9	30.7	**31**	29.3	27.4	26.9	26.4	26.1	25.5	25.1	24.5	26.4
31.5	**31.8**	**31.8**	31.7	31.3	28.3	27.3	26.2	26	25.6	26	25.1	27.5
31	31.2	**31.4**	30	29.3	27.7	26.6	26.1	26	25.6	24.7	24.8	26.9
30.4	30.9	31.3	**31.7**	29.9	28.6	28.1	28	27.9	27.9	26.6	25.8	27.5
31	30.9	30.7	30.1	29	28.8	28.9	28.7	28.7	28.7	28.5	28.6	28
27.1	26.9	25.9	27.8	27.3	27.4	27.1	25.6	26.5	25.5	24.8	**24.7**	27.5
27.1	**28.6**	27.4	25.5	26.2	26.2	26.3	26.6	26.4	25.1	25	24.6	26.6
26.5	24.2	23.4	24.2	23.3	**23**	**23**	23.2	23.7	23.7	23.8	23.7	**24.2**
28.7	28.6	28.7	25.2	24.7	24.6	24.7	24.8	24.9	25.3	25.2	24.8	25.8
29.6	29.5	29.2	28.8	28.2	27.1	26.6	26.4	26.3	26	25.6	25.3	26.9

RELATIVE HUMIDITY (%).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	81	82	82	83.5	82	81	82	78	81	76	**73**	74
2	**86**	**86**	**86**	84	84	**86**	82	81	80.5	78	76	**74**
3	83	88	89	91	93	93	**94**	79	76	**74**	75.5	76
4	92	92	93	**95**	**95**	**95**	91	85	80	75	74	**72**
5	88	**95**	94	94	94	94	93	88	78	79	77	78
6	**94**	89	93	**94**	**94**	**94**	92	85	81.5	77	72	**70**
7	95	**96**	95	95	94	92	86	78	75	75	**74**	77
8	94	**96**	**96**	**96**	95	95	88	83	74	72	77	70
9	90	93	93	**97**	96	95	87	81	77	76	71	**70**
10	90	91	92	93	93	**94**	84	76	67	70	67.5	65
11	91	92.5	94	94	95	94	93	89	93	94	93	89
12	**98**	**98**	**98**	**98**	97	97	94	83	80	**73**	76	77
13	94	94	95	95	96	95	90	81	81	75	73	**72**
14	**97**	**97**	**97**	**97**	96	96	91	82	80	75	75	70
15	94	**96**	**96**	**96**	**96**	**96**	94	86	81	77	74	**73**
16	88.5	94	93	**96**	95	94	92	82	76.5	**72**	74	76
17	84	84	81	85	83	79	77	74	**73**	75	75	77
18	91	91	91	90	88	91	86	81	74	**70.5**	76.5	82
19	**98**	97	**98**	97	**98**	97	94	87	77	**76**	88	81.5
20	95	95	95	**97**	**97**	**97**	96	81	72	75	73	72
21	91	93	**95**	**95**	**95**	94	94	79	79.5	75	75	75
22	92	91	**96**	**96**	95	94	93	91	82	71	78	78
23	95	**97**	**97**	95	96	**97**	88	79	74	72	**66**	74
24	92	92	94	93	**95**	**95**	85	73	72	72	68	71
25	92	92	92	**94**	93	**94**	87	77	79	75	75	74
26	**93**	92	92	92	92	92	92	88	84	78	79	74
27	77.5	81	81	81	77	76	76	75	76	**74**	76	80
28	93	83	83	82	80	79	79	81	87	89	**76**	**76**
29	92	97	95	95	96	96	94	89	90	89	91	94
30	**95**	**95**	90	**95**	94	87	89	83	81	77	77	75.5
Mean	91.2	92	92.2	**92.8**	92.5	92	88.8	81.8	78.7	76.2	75.8	75.6

VAPOR PRESSURE (mm).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	22.3	22.4	22.1	22.4	21.7	21.7	22.8	22.4	23.7	22.2	22.8	22.9
2	22.3	22.2	**21.9**	22	22.1	22.4	23	23.4	23.8	23.5	23.6	24.1
3	21.5	22.4	22.5	21.8	**21.4**	**21.4**	23.3	23.1	23.5	23.7	24.2	**24.5**
4	21.9	21.7	22.1	21.7	**21.6**	**21.6**	23.2	23.2	**24.3**	24	**24.3**	23.6
5	22.9	23	22.6	22.6	**22.4**	**22.4**	23.1	23.2	24.1	23.8	24.5	**25**
6	23.4	23.1	22.6	22.3	22.1	**22**	23.6	23.8	**25.1**	24.5	23.2	22.8
7	22.9	22.8	22.2	21.6	**21.5**	**21.5**	22.4	22.6	23.5	23.5	24.1	**25.2**
8	21.1	20.9	20.7	20.4	20	**19.8**	21.3	22	21.5	22.3	22.6	22.6
9	20.5	20.7	20.2	20.3	19.8	**19.5**	20.7	22	23.1	22.8	21.4	22.3
10	19.1	18.7	18.5	18.3	**18.2**	**18.2**	19.8	20.6	21.1	21.3	21.4	21.3
11	22	22	22	21.9	21.8	**21.5**	22.6	22	22.5	22.4	22.2	22.2
12	21.1	20.9	20.6	20.1	20	**19.9**	20.8	21.4	22.6	22.2	23.9	24.2
13	21.3	21	20.8	20.5	20.4	**20.3**	22.5	22.1	21.7	22.3	22.6	22.6
14	21.3	21	20.7	19.9	19.5	**19.4**	20.5	21.7	22.8	**23.3**	23.2	22.4
15	21.3	21.4	21.5	21.4	**21.1**	**21.1**	22.1	22	22.4	23.2	23.1	23.1
16	22	22.1	22.1	21.9	21.3	**21**	22.5	23	23.4	22.3	23.8	24.8
17	23.1	23.1	22.1	21.7	21.8	21.9	22	21.4	22.2	23.2	23.5	**23.9**
18	20.7	20.3	20.3	20.4	**19.9**	20.5	20.6	21.5	21.1	21.7	**23.4**	21.1
19	22.3	21.8	21.5	21.5	**21.4**	21.6	22.6	23.1	22.8	22.4	25.3	25.1
20	21.9	21.8	21.7	21.7	**21.5**	**21.5**	22.8	22.7	22.2	23.1	**23.6**	23.5
21	21.1	21	20.8	20.6	20.3	**20.1**	21.2	21.1	22.5	21.7	22.6	22.9
22	20.9	20.8	20.8	20.6	20.3	**20.1**	21.3	21.5	20.9	21.1	22.7	22.4
23	21.3	21.1	20.8	20.1	**19.9**	**19.9**	21.9	22.4	22.9	23.2	23.1	24.2
24	20.9	19.8	19.8	19.2	**19.1**	**19.1**	20.7	20.8	21.6	22	22.2	22.4
25	20.9	20.7	20.4	20.2	19.8	**19.6**	22	22	22.4	22.6	**23.4**	**23.4**
26	22.2	21.8	21.7	21.7	21.7	**21.4**	22.7	22.7	22.7	22.7	24.5	24.4
27	22.4	**23.5**	23.4	23.3	21.7	22	22.4	22.3	22.7	22	22.7	22
28	21.3	21	21.8	22.6	22.3	21.6	21.3	22	**23.4**	22.2	**19.9**	21.1
29	21.3	21.4	21.1	21.1	21.1	21.2	21.8	21	21.8	21.7	21.8	21.1
30	20.8	20.9	20.8	20.9	21.1	20.7	20.9	**20.5**	22.3	22	22.3	22.2
Mean	21.6	21.5	21.3	21.2	20.9	**20.8**	21.9	22.1	22.7	22.6	23.1	23.1

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
75	77	80	81	82	82	84	82	84	84	87	**88**	80.9
77	75.5	**74**	76	78	82	83	83	84	84	**86**	**86**	81.3
76	76	75	75	76	82	83	84	85	85	90	92	82.9
73.5	**72**	75	76	78	82	84	84	86	87	86	86	83.7
75.5	**75**	76	78	81	84	83	88	88	89	90	93	85.5
73	73	73	77	79	82.5	86	87	87	89	91	**94**	84.5
82.5	81	85	86	88	94	**96**	95	91	92	92	95	87.9
69	**65**	73	76	75	83	85	87	82	85	88	89	83
71	79	89	72	74.5	80	83	85	87	89	88	90	83.9
65	**64**	67	66	77	78	77.5	81	82	88	91	**94**	**79.7**
86	**86**	**86**	89	90	93	95	95	95	96	**97**	**97**	92.4
80	90	80	78.5	76	84	87	88	88	91	93	93	87.4
77	76	73	80	85	91	94	95	96	**97**	**97**	**97**	87.5
66	65	72	**62**	69	76	78	79	89	92	92	94	82.8
73.5	**73**	74	77	83	84	84	84	86	85	90	92	85.2
77	78	77	79	79	80	79	79	82	83	82	83	83
76	80	80	**88**	87	**88**	**88**	87	84	86	86	**88**	81.9
77	73	80	92	94	95	92	94	**97**	**97**	**97**	**97**	87.4
82	91	87	93	92	92	95	95	94	95	95	95	91.4
69	**69**	73.5	71	85	88	92	92	93	89	89	89	85.2
69	70	75.5	83	80	91	93	93	92	93	93	93	86.1
86	85	73	**70**	79	87	89	89	89	93	93	**96**	86.9
70	70	66.5	**66**	70	73	78	84	83	85	85	88	81.2
65	**64**	65	73	75	82	87	89	89	84	88	92	81.5
72	67	63	**60**	73	77	80	80	83	82	87	91	80.8
73	74.5	78	77	81	83	76	75	76	76	77.5	78	82.2
85	87	88.5	82	84	81	83	87	81	86	**89**	88	81.3
80	77	81	82	85	85	86	85	86	91	92	**94**	83.8
87	91	92	92	97	97	**98**	97	97	96	96	97	**94**
75	**75**	78	92	93	92	93	92	88	87	92	91	86.9
75.4	76	77	78.3	81.5	85	86.4	87.2	87.5	88.5	90	91.3	84.7

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
23.8	23.7	**24.2**	24	23.6	22.5	22.8	22.4	22.5	22.6	**21.6**	**21.6**	22.7
24.1	**24.2**	23.7	23.6	23.5	22.6	22.8	22.6	22.6	22.3	22.4	22.4	23
24.4	24.4	23.8	24.1	23.1	23	22.6	22.6	22.9	22.8	22.9	22.1	23
23.4	23.2	23.9	23.6	23.5	23.3	23.5	23.3	23.6	23.4	23	22.8	23.1
24.2	24	24.1	24.1	24.1	23.5	22.8	23.9	23.9	23.6	23.9	23.6	**23.6**
24.1	24.5	24.8	24.5	24.2	23.7	23.9	23.9	23.7	23.9	23.4	23.2	**23.6**
23.7	24.1	23.8	23.6	23.3	23.3	23.3	22.9	22	21.9	21.7	21.8	22.9
23.1	22.8	22.7	22.5	**23.1**	**23.1**	21.9	22.3	20.6	20.9	20.5	20.6	21.6
23.7	**24**	22.5	23.3	22.6	21.5	21.2	20.9	20.3	20.3	20	19.9	21.4
22.1	22.4	22.4	22.6	22.9	21.6	20.5	20.7	21.1	22.2	22.9	**23.1**	**20.9**
22.5	22.5	22.5	**23**	22.5	22.4	22.5	22.4	22.5	22.3	22	21.7	22.2
24.3	24.2	**24.6**	23.6	23.3	22.4	22.3	22.1	21.9	21.6	21.5	21.4	22.1
23.8	24.4	**25.1**	23.4	24.4	24.6	23.8	23.6	23.3	23	22.1	21.6	22.6
21.4	21.3	20.4	20.8	22	22.1	22.1	22.2	22.1	22.1	21.8	21.5	21.5
23.4	24.1	24.2	**24.6**	**24.6**	24	24	24	24.2	23.8	24	23.3	23
24.8	**25**	24.2	24.3	23.9	23.3	22.8	22.8	23.3	23.4	23.2	23.2	23.1
23.5	23.7	23	22.4	23.1	22.1	22.1	21.8	21.5	**21**	21.2	21.4	22.4
22	21.5	23.1	22.5	22.8	22.5	21.9	22	22	22.3	22.3	22.3	21.6
26.6	24	23.7	22.1	21.7	22.2	22.5	22.5	22.4	22.5	22.4	21.9	22.7
22.7	22.9	21.7	22	23.5	22.7	21.8	21.7	21.7	**21.5**	21.7	21.7	22.2
21.2	21.4	22.2	**23.4**	22.2	20.8	21.4	21.4	21.4	21.4	21.4	21.2	21.5
23	23.8	23.9	23.3	**24**	23.7	23.4	22.7	22.5	22.4	22.1	21.9	22.1
23.9	**24.6**	23.3	22.9	23.8	20.9	21.1	21.2	20.7	20.8	21.1	20.7	21.9
21.9	21.8	22.2	**22.9**	22.7	22.7	22.6	22.2	22.3	20.6	20.4	21.3	21.3
23.1	22.1	21.4	20.8	23	22.3	22.6	22.5	23.2	22.7	22.6	22.4	21.9
24.5	24.7	**25.5**	24.6	24.1	24.3	22.4	21.8	22.2	22.2	22.4	22.6	23
22.7	22.9	22	22.8	22.7	21.8	22.3	21.2	20.8	20.9	20.7	**20.4**	22.2
21.2	22.3	21.8	**19.9**	21.4	21.6	21.9	21.9	21.9	21.5	21.7	21.6	21.6
22.4	20.5	**19.7**	20.7	20.7	20.3	20.5	20.6	21	20.8	20.9	21	21.1
22.1	21.7	**22.7**	21.8	21.5	21.2	21.5	21.5	20.6	20.8	21.8	21.1	21.4
23.3	23.2	23.1	22.9	23.1	22.5	22.4	22.3	22.2	22	22	21.8	**22.2**

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Ci.-S.		Ci.-S.		A.-Cu.		Ci.-S.		A.-Cu.		Ci.-S.	
2	Ci.-S.		Ci.-S.		Ci.-S.		A.-Cu.		Ci.		Ci.	
3	Ci.-S.		Ci.		Ci.		Ci.		Ci.		Ci.	
4					Ci.-S.		Ci.		Ci.		Ci.-S.	
5	Ci.-S.				Ci.-S.		Ci.				Ci.	
6	Ci.-S.		Ci.		Ci.-S.		Ci.		Ci.		Ci.	
7	Ci.		Ci.				Ci.					
8												
9	Ci.-Cu.		Ci.-S.		Ci.-S.		Ci.					
10												
11	Ci.-S.		Ci.-S.		Ci.-S.							
12	A.-Cu.		A.-Cu.		A.-Cu.		Ci.-S.		Ci.-S.		Ci.-S.	
13	A.-Cu.		A.-Cu.		Ci.							
14	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
15	Ci.-S.		Ci.-S.	EbyN	Ci.-S.	EbyN	Ci.-S.		Ci.-S.		Ci.-S.	
16	Ci.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
17	Ci.-S.	NNE	Ci.-S.	NNE	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
18	Ci.-S.		Ci.-S.	SE	A.-Cu.	SE	A.-Cu.		Ci.			
19			Ci.-S.		Ci.-S.		Ci.-S.				Ci.	
20	Ci.-S.		Ci.		A.-Cu.	SSW	A.-Cu.	SbyW	Ci.		Ci.	
21	A.-Cu.		Ci.	ENE	Ci.				Ci.-Cu.		Ci.	
22	A.-Cu.				Ci.-S.		Ci.-S.		Ci.-S.		A.-Cu.	
23	Ci.		Ci.									
24	Ci.-Cu.		A.-Cu.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
25	Ci.-Cu.	ENE										
26	Ci.-S.		Ci.-S.	ENE	Ci.-S.	ENE	Ci.-S.		Ci.-S.		Ci.	
27	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
28												
29												
30							A.-S.		A.-S.		Ci.-S.	

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Cu.	WSW, W	Cu.-N.	W, WSW	Cu.		Cu.		Cu.		Cu.	
2	Cu.	W	Cu.	W	Cu.	W	Cu.		Cu.		Cu.	
3	Cu.		N.-cf.	WbyS	Cu.	WbyS	Cu.	WSW	Cu.	WSW	Cu.	WSW
4	Cu.	WSW	Cu.	WSW	Cu.	WSW	Cu.	WSW	Cu.		Cu.	
5	Cu.-N.	SW	Cu.-N.	SW	Cu.-N.		Cu.	WSW	Cu.		Cu.	
6	Cu.	WbyS	Cu.	WbyS	N.-cf.	W	Cu.	W	Cu.		Cu.	
7	Cu.		Cu.	N	Cu.	N	Cu.	N	Cu.	NE	Cu.	NE
8	Cu.		Cu.	E	Cu.		Cu.	E	Cu.	E	Cu.	
9	Cu.		Cu.		Cu.		Cu.	E	N.-cf.	E	Cu.	
10	Cu.		Cu.		Cu.	E	Cu.	E	Cu.		Cu.	
11	Cu.-N.		Cu.-N.		N.	ESE	Fr.-N.	ESE	Fr.-N.		Cu.-N.	
12	Cu.		Cu.	ENE	Cu.	ENE	Cu.		Cu.	ENE	Cu.	ENE
13	Cu.		Cu.	E	Cu.	E	Cu.		Cu.		Cu.-N.	
14	Cu.		Cu.		Cu.		Cu.	NE	Cu.	NE	Cu.	
15	S.-Cu.		S.-Cu.		S.-Cu.		Cu.	N	Cu.		Cu.	
16	Cu.		Cu.	W	Cu.	W	Cu.	W	Cu.		Cu.	
17	Cu.		Cu.	WSW	Fr.-N.	WSW	Cu.		Cu.-N.		Cu.	WbyS
18	S.-Cu.		S.-Cu.		Cu.		Cu.	SW	Cu.	SW	Cu.-N.	
19	S.-Cu.	SWbyS	S.-Cu.	SWbyS	S.-Cu.	SWbyS	Cu.-N.	SWbyS	Cu.-N.		Cu.-N.	
20	Cu.		Cu.	SW	Cu.	SW	Cu.	SW	Cu.		Cu.	
21	Cu.		Cu.	SW	Cu.		Cu.		Cu.		Cu.	
22	S.-Cu.	NbyW	Fr.-N.	NNW	N.-cf.	NNW	Cu.	N	Cu.-N.	N	Cu.-N.	
23	Cu.		Cu.		Cu.	E	Fr.-Cu.	E	Cu.	E	Cu.	SE
24	Cu.		Cu.		Cu.	NE	Cu.		Cu.		Cu.	
25	Cu.		Cu.		Cu.	NNW	Cu.	NNW	Cu.		Cu.	
26	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
27	Cu.-N.	WNW	Cu.-N.	WNW	Fr.-N.	WNW	Cu.-N.	WbyN	Fr.-N.	WbyN	N.	
28	Cu.-N.	SW	N.	WSW	N.		N.	SW	Cu.-N.	SW	Cu.-N.	
29	N.	SW	Fr.-N.	SW	Cu.-N.	SW	N.		Fr.-N.		Fr.-N.	
30	Fr.-N.		Fr.-N.		Fr.-N.		Cu.-N.		Cu.-N.		Cu.-N.	

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Ci.-S.				Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
A.-Cu.		Ci.		Ci.		Ci.		Ci.		Ci.-S.	
Ci.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.		Ci.-S.		Ci.-S.		Ci.-S.		A.-Cu.		Ci.-S.	
Ci.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.		Ci.		Ci.	E	Ci.	E	Ci.		Ci.	
						Ci.-S.		Ci.-S.		Ci.-S.	
A.-Cu.	NE	A.-Cu.	NE			A.-Cu.				Ci.-S.	
Ci.-S.				Ci.-S.				Ci.		Ci.-S.	
		Ci.		A.-Cu.		A.-Cu.		Ci.		Ci.	
Ci.-S.						Ci.-S.		Ci.-S.		Ci.-S.	
Ci.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.	
				Ci.-S.		Ci.-S.		Ci.-S.		Ci.	
Ci.		Ci.		Ci.	ENE	Ci.	ENE	Ci.-S.			
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.		Ci.-S.				Ci.-S.			
Ci.-S.		Ci.-S.		A.-Cu.		Ci.-S.					
Ci.											
Ci.-Cu.		Ci.-Cu.		Ci.-S.		Ci.-S.		Ci.-S.			
Ci.		Ci.-S.		Ci.-S.							
		Ci.		Ci.						Ci.-S.	
				Ci.		Ci.		Ci.			
Ci.-S.		Ci.-S.		Ci.-S.		A.-Cu.	E	Ci.-S.		Ci.-S.	
Ci.		Ci.		Ci.	SEbyE	Ci.	SEbyE	Ci.	SEbyE	Ci.	
Ci.-S.				Ci.-S.	NEbyE	Ci.-S.		Ci.-S.			
		Ci.-S.		Ci.-S.						Ci.-S.	
								Ci.-S.		Ci.-S.	

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Cu.		Cu.-N.	SWbyW	Cu.	SWbyW	Cu.		Cu.		Cu.	
Cu.		Cu.	W	Cu.		Cu.		Cu.		Cu.	
Cu.	WSW	Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.	WSW	Cu.	WSW	Cu.	WbyS	Cu.	WbyS	Cu.	WbyS	Cu.	
Cu.		Cu.		Cu.	WSW	Cu.	WSW	Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.-N.	NE	Cu.-N.	NE	Cu.-N.		Cu.	NE	Cu.	NE	Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.-N.	E	Cu.		Cu.	
Cu.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	
Cu.	E	Cu.	E	Cu.-N.		Cu.-N.	E	S.-Cu.		S.-Cu.	
Cu.-N.		Cu.-N.		Cu.-N.	E	Cu.-N.	E	Cu.-N.		S.-Cu.	
Cu.-N.	ENE	N.-cf.	ENE	Cu.	ENE	Cu.	ENE	Cu.		Cu.	
Cu.	E	Cu.	E	Cu.-N.	E	Cu.	E	Cu.	E	Cu.	
Cu.		Cu.	N	Cu.-N.		Cu.		Cu.	NNE	Cu.-N.	
Cu.		Cu.	W	Cu.	W	Cu.	W	Cu.		Cu.-N.	
Cu.	WNW, W	Cu.	WNW, W	Cu.	W	Cu.-N.	W	Cu.-N.		Cu.-N.	
Cu.-N.	WbyS	Cu.-N.	WSW	Cu.-N.	WSW	N.	WSW	Cu.-N.		Fr.-N.	
Cu.-N.	SW	Cu.-N.	SW	N.-cf.	SW	N.-cf.	SW	N.-cf.		N.-cf.	
Cu.-N.	SSW	Cu.-N.	SSW	Cu.-N.	SSW	Cu.-N.		Cu.-N.		Cu.-N.	
Cu.	SW	Cu.-N.	SW	Cu.	SW	Cu.-N.		Cu.-N.		Cu.-N.	
Cu.		Cu.		Cu.-N.	WNW	Cu.-N.	WNW	Cu.-N.		Cu.-N.	
Cu.-N.		Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
Cu.	ESE	Cu.	ESE	Cu.	SEbyE	Cu.	SE	Cu.		Cu.-N.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.-N.		Cu.	
Cu.	WSW	Cu.	W	N.-cf.	W	N.-cf.		Cu.-N.		Cu.-N.	
Cu.-N.	W	Cu.-N.	W	Cu.-N.	W	Cu.-N.		Fr.-N.		Fr.-N.	
Cu.-N.	SW	Cu.-N.	SW	Cu.-N.	SW	N	SW	Fr.-N.		S.-Cu.	
Fr.-N.	SW	N.		N.		Fr.-N.	SW	Fr.-N.	SW	N.	
Fr.-N.	SW	Fr.-N.	SW	Fr.-N.	SW	Fr.-N.	SW	Fr.-N.	SW	Cu.-N.	

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	SW	13	SW	10	SW	10	SW	8.5	SW	10	SW	7.5
2	SW	3.5	SW	4	SSW	5	SW	4.5	SW	6	S	3.5
3	W	5	WSW	2	SW	1.5	SSE	.5	Calm		Calm	
4	SE	4	SE	3	WSW	2	Calm		Calm		Calm	
5	Calm		Calm		Calm		Calm		Calm		Calm	
6	SSW	5	Calm		NW	.5	SSW	.5	Calm		Calm	
7	ENE	1	NE	1	NE	.5	Calm		Calm		Calm	
8	ENE	1	ENE	1	ENE	1	Calm		Calm		Calm	
9	Calm		Calm		Calm		Calm		ENE	1	NNE	1
10	NNE	1	NE	.5	Calm		Calm		NE	1	Calm	
11	E	.5	Calm		Calm		Calm		Calm		Calm	
12	Calm		Calm		NE	1.5	Calm		ENE	.5	Calm	
13	Calm		Calm		Calm		Calm		Calm		Calm	
14	E	.5	ENE	1	NE	.5	ENE	.5	Calm		Calm	
15	ENE	1.5	ENE	1	Calm		NNE	1.5	NNE	1.5	Calm	
16	NNW	1.5	Calm		Calm		Calm		Calm		Calm	
17	WSW	6.5	WSW	10	WbyS	8	W	6	WSW	5	WSW	11.5
18	SSE	1	SE	1.5	SE	2.5	SSE	1.5	SSE	2	SE	2.5
19	Calm		SSE	.5	Calm		Calm		Calm		Calm	
20	Calm		Calm		Calm		Calm		Calm		Calm	
21	SW	3.5	Calm		ESE	1	Calm		Calm		Calm	
22	N	.5	N	5	Calm		Calm		Calm		Calm	
23	ENE	1	ENE	1.5	Calm		Calm		Calm		Calm	
24	Calm		Calm		Calm		Calm		Calm		Calm	
25	Calm		Calm		Calm		NNE	1	Calm		Calm	
26	Calm		Calm		N	1	NNW	3	NNW	2.5	Calm	
27	W	6.5	WbyN	9.5	WNW	9	SWbyW	9	W	9	WbyS	8.5
28	WSW	15.5	SWbyW	13	SWbyS	11	SW	13	SW	11	SWbyS	7
29	SSE	3.5	SSE	4.5	SSE	3.5	SSW	6.5	SbyE	3.5	S	1.5
30	SEbyS	3	SEbyS	3	SSE	1.5	SSE	.5	SSE	2	SSE	3
Mean		2.6		2.4		2		1.9		1.8		1.5

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	WSW	11	WSW	9	WSW	7.5	SW	6.5	SWbyW	6	WSW	9
2	WSW	6.5	WSW	6	WSW	6.5	WSW	8	WSW	6	WSW	8.5
3	WSW	6.5	WSW	7.5	WSW	4.5	WSW	5	WSW	7.5	WSW	6.5
4	W	7	W	7.5	WbyS	8	WbyS	7	WSW	6	WSW	4.5
5	WSW	5	WSW	5	WSW	7.5	WSW	4.5	WSW	5	WSW	6
6	WSW	3	WSW	5	WSW	4.5	WSW	5	WSW	4	SWbyW	4.5
7	W	1.5	Calm		Calm		NNW	2	Calm		Calm	
8	Calm		Calm		Calm		Calm		Calm		Calm	
9	Calm		Calm		Calm		Calm		Calm		Calm	
10	WSW	2.5	WSW	2.5	W	1.5	Calm		Calm		SEbyE	1.5
11	Calm		Calm		Calm		Calm		Calm		Calm	
12	WNW	2	Calm		Calm		Calm		Calm		Calm	
13	Calm		Calm		Calm		Calm		Calm		Calm	
14	WSW	1	WSW	4	Calm		Calm		Calm		SW	1.5
15	WSW	1.5	Calm		WSW	5	SW	5	SW	6.5	SW	5
16	WSW	6.5	WSW	8.5	WSW	8.5	WSW	9	WSW	7.5	W	8.5
17	SWbyW	8	SW	9	SWbyS	6.5	SW	7	SW	6	SW	5
18	S	3	Calm		Calm		Calm		Calm		SE	2
19	Calm		Calm		Calm		Calm		S	1	Calm	
20	WSW	8	SW	7	WSW	6	WSW	7	NW	5.5	NNW	2.5
21	Calm		Calm		Calm		S	1	Calm		NNW	1.5
22	Calm		Calm		Calm		WSW	1	Calm		Calm	
23	Calm		N	1.5	NW	2.5	Calm		Calm		ESE	.5
24	Calm		Calm		Calm		Calm		Calm		Calm	
25	W	3	WSW	2.5	Calm		SW	1	SW	2	WSW	1.5
26	WSW	2.5	WSW	8	WSW	8	WSW	6	WSW	8	WSW	6
27	WSW	9	WSW	6	WbyS	4.5	WSW	16	WSW	8	WSW	9
28	SSW	5	S	8	S	5.5	SSW	9	S	4.5	S	4
29	SSE	2	WSW	5	SW	3.5	S	2	ESE	1.5	Calm	
30	SbyW	5.5	SW	7.5	SSW	.5	NNW	1.5	ENE	1	Calm	
Mean		3.3		3.6		3		3.4		2.9		2.9

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
SW	8	SW	7.5	SWbyW	8	SW	7.5	SWbyW	9.5	SW	9.5
SW	3.5	SW	3	SW	5	SW	5.5	WSW	5.5	SWbyW	5
Calm		Calm		SW	3.5	SW	2	WSW	3	WSW	4
Calm		Calm		Calm		Calm		WSW	5.5	WSW	5
Calm		Calm		Calm		Calm		WSW	.5	WSW	2.5
Calm		Calm		Calm		Calm		SW	1	WSW	5
N	2	Calm		NNW	2	WNW	3	WNW	1.5	W	5
Calm		Calm		Calm		WNW	1	WbyN	1.5	W	1.5
NE	.5	NNW	1	WSW	1	W	1.5	W	1.5	Calm	
Calm		Calm		Calm		WNW	1	Calm		WSW	2
Calm		Calm		Calm		Calm		Calm		Calm	
Calm		Calm		Calm		NW	2.5	W	1.5	W	1
Calm		Calm		SW	.5	W	2.5	WSW	1.5	WSW	1.5
Calm		Calm		Calm		Calm		W	2	W	3
Calm		Calm		WNW	1.5	WNW	1	WNW	1	W	3
Calm		Calm		Calm		Calm		WSW	5.5	SWbyW	4.5
SW	8	SWbyW	11.5	SW	9	SWbyW	8.5	SW	7.5	SWbyW	9
SE	4	SE	3	Calm		Calm		Calm		WSW	4
Calm		Calm		Calm		Calm		Calm		Calm	
Calm		Calm		Calm		WSW	2	WbyN	.5	W	2
Calm		Calm		Calm		WNW	1	WNW	2	W	1
Calm		Calm		Calm		Calm		Calm		Calm	
Calm		ESE	1	Calm		Calm		Calm		Calm	
Calm		Calm		Calm		W	2.5	Calm		WNW	1.5
Calm		Calm		Calm		WNW	3	W	3	WNW	.5
NNE	1.5	Calm		Calm		Calm		W	1.5	Calm	
WbyS	12	WbyS	13	WbyS	11	WbyS	14.5	WSW	12	WbyS	12.5
SbyW	5	SbyW	11	SW	9	SWbyS	8.5	SWbyS	8	SWbyS	8
S	3	S	3	SbyW	2	SSE	1.5	SSW	6.5	SbyW	5.5
SE	.5	SSE	1.5	S	3.5	S	4.5	S	4	S	5
	1.6		1.8		1.9		2.4		2.9		3.4

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		Midnight.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
WSW	6	SW	7.5	SW	8	SW	6	SSE	0.5	S	1.5	7.8
WSW	4.5	WSW	4.5	WSW	5.5	WSW	5.5	WSW	5	WSW	5.5	5.2
WSW	5	WSW	7.5	WSW	6	SWbyW	6.5	SSW	4.5	SE	3.5	3.8
SW	2.5	WSW	3.5	WSW	3.5	WSW	3.5	WSW	4	WNW	2	3.3
WSW	5	WSW	5	WSW	6.5	WSW	2	S	.5	Calm		2.3
WSW	4.5	WSW	4	WbyS	5	WSW	1.5	WNW	1	Calm		2.2
Calm		NNE	3	NNE	3	NNE	2	NNE	2	NE	1.5	1.3
Calm		Calm		SE	.5	ESE	.5	NE	1	Calm		.4
EbyS	1.5	ENE	1.5	Calm		Calm		Calm		NEbyE	1.5	.5
E	1.5	NE	1	Calm		Calm		Calm		Calm		.7
Calm		Calm		Calm		Calm		Calm		Calm		0
Calm		SSE	1	Calm		Calm		Calm		Calm		.4
Calm		ENE	.5	Calm		Calm		Calm		Calm		.3
SSW	2	S	2	E	.5	E	.5	NNE	1.5	NE	1.5	.9
WSW	5.5	WSW	7.5	WSW	4.5	WNW	3.5	N	1.5	N	1.5	2.5
WbyS	10	W	7	WSW	6	WSW	7	WSW	5	WSW	3.5	4.1
SSW	4.5	SW	4.5	SSW	5	SbyW	3.5	SSW	3.5	SSW	2	6.9
SSE	1	SSE	1	Calm		Calm		Calm		Calm		1.2
Calm		Calm		Calm		Calm		SSE	1	SSE	.5	.1
NNE	1.5	NE	1.5	NNE	1.5	NNE	1.5	N	1.5	N	1	2
Calm		NE	.5	Calm		Calm		NNE	.5	Calm		.5
Calm		Calm		Calm		Calm		E	.5	Calm		.3
SE	1.5	Calm		SE	1.5	SSE	1	SSE	1.5	Calm		.6
Calm		Calm		Calm		NNE	1	Calm		Calm		.2
SW	2	SW	6	SW	4	NW	3.5	E	1.5	Calm		1.4
WNW	8.5	WNW	5	WNW	6	WbyN	6	W	5	W	6	3.5
SWbyW	8.5	WbyS	13	WSW	16	WSW	13.5	SWbyW	7	W	15	10.5
S	6	S	4	S	3.5	SSE	1.5	Calm		SSE	1	7.2
Calm		E	2.5	SE	2.5	SEbyS	1.5	SE	1	ESE	.5	2.8
Calm		SEbyS	.5	SEbyS	1	Calm		Calm		Calm		2.1
	2.7		3.1		3		2.4		1.6		1.6	2.5

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	29.5	37	37	37.5	30	33.5	36.5	33.5	33	28	38	**42**
2	7.5	13.5	12	19	22	22	11	18.5	21.5	21	28	25
3	14	10	10	4	3	2	1.5	2.5	5	16	18	18
4	3	5	5	2.5	1.5	1.5	2.5	3	4	7	18	24
5	6	2	.5	1	1	2	4	4	3	4	7	17.5
6	2.5	13.5	2.5	2	3	.5	.5	2	4	5	9	12
7	3	1.5	2.5	4.5	3.5	2	3	12.5	11	8	**15**	**15**
8	5	6	4	2	2	1	1.5	.5	4	8	**14**	**14**
9	1.5	.5	1.5	1.5	3	3.5	1.5	3	5.5	8.5	8.5	9.5
10	5.5	3	3.5	2.5	4	3	1	2	1	6	10.5	9.5
11	3	4	2.5	2	0	.5	2	.5	3	4.5	4	3.5
12	3	.5	4.5	3.5	3	2.5	3.5	4	5	4	9	**12**
13	1	1	.5	.5	0	1	3.5	4	2.5	8.5	**10**	9
14	.5	4.5	5	3.5	.5	1.5	2	.5	5.5	7.5	14	13.5
15	5.5	2.5	2	3.5	5	4.5	2	2	3	10	10	10
16	7.5	2	2	.5	0	1	1	2	1.5	5.5	16	28
17	20	19	35	28	17	33	32	**37**	32	35	36	30
18	4.5	5.5	7	9	8.5	7	7.5	7	9	7	11.5	**15.5**
19	1	2	2	1.5	0	.5	0	.5	3.5	2	5.5	2
20	.5	0	0	0	0	0	1	1	.5	2.5	7	9
21	**15**	3	2.5	2.5	.5	1.5	3	2	2	5	12	11
22	2	**9**	7	1.5	.5	.5	1.5	3.5	2.5	1	5.5	7.5
23	2.5	2.5	1.5	0	0	0	.5	2.5	4.5	4.5	5.5	6.5
24	1	1	2	1.5	1.5	0	0	0	5	9	**12**	11
25	1.5	2	3.5	6.5	3.5	1	3	4.5	6.5	13.5	12.5	13.5
26	2	2	3	11	10	10	9	8.5	5.5	8	10	10
27	22	31	28	32	35	33	34	38	46	44	**55**	52
28	**55**	50	48	43	46	35	25	27	28	23	36	27
29	8	19	14	24	16	10	22	23	12.5	9.5	24.5	**27.5**
30	8	7.5	8.5	4	7.5	12.5	9.5	11	12	15.5	18.5	18
Mean	8	8.7	8.6	8.5	7.6	7.5	7.5	8.7	9.4	11	16	16.8

AMOUNT OF CLOUDS (0–10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	8	8	8	8	8	8	9	10	9	10	10	10	8.8	3 15
2	8	9	9	8	7	7	7	7	6	4	3	6	6.8	8 15
3	4	6	7	6	6	7	5	3	3	3	3	3	4.7	9 20
4	5	8	7	7	7	6	8	10	8	9	8	9	7.7	6 30
5	10	10	9	9	8	8	8	8	7	7	8	8	8.3	3 45
6	8	9	7	7	6	8	5	5	4	5	5	5	6.2	8 20
7	2	2	2	4	3	7	8	10	10	9	9	8	6.2	5 25
8	3	5	2	3	7	6	6	7	8	9	3	4	5.2	6 55
9	2	1	1	3	8	8	6	10	6	8	10	7	5.8	6 50
10	1	2	2	3	2	4	4	3	6	7	7	7	4	8 55
11	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
12	8	6	7	7	8	8	9	9	8	8	8	9	7.9	4 20
13	4	3	4	3	3	7	7	7	7	7	5	4	5.1	6 40
14	7	7	7	8	7	6	3	6	8	8	9	10	7.2	8 15
15	10	9	10	8	8	6	9	10	9	10	10	10	9.1	5 10
16	8	9	9	9	10	10	10	10	10	10	10	10	9.6	1 00
17	9	9	9	10	10	10	10	10	10	10	10	10	9.8	**0 00**
18	10	10	9	8	8	10	10	10	10	10	10	10	9.6	2 05
19	10	10	10	8	10	10	9	10	10	10	10	10	9.8	3 05
20	6	6	6	5	4	4	4	5	8	9	9	10	6.3	6 50
21	8	5	4	3	5	5	5	8	10	10	10	10	6.9	5 45
22	10	10	10	8	9	9	10	9	9	6	7	10	8.9	3 55
23	2	3	2	4	6	7	3	3	3	3	3	5	**3.7**	**10 30**
24	3	3	4	3	9	8	7	7	7	7	6	6	5.8	9 15
25	2	2	2	4	4	3	3	4	7	8	9	10	4.8	9 10
26	8	8	9	9	7	9	9	9	10	10	10	10	9	2 35
27	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
28	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
29	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
30	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
Total														146 05
Mean	6.9	7	6.9	6.8	7.3	7.7	7.5	8	8.1	8.2	8.1	8.4	7.6	4 52

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon 1-p.	1-2 p.	2-3 p.	3-4 p.	4-5 p.	5-6 p.	6-7 p.	7-8 p.	8-9 p.	9-10 p.	10-11 p.	11-Mdt.	Mean.
37	39	36	31	32	31	27	28	25.5	27	11.5	3	31
30	**35**	33	32	30	29	26	25	27	26	19	18	23
24	27	27	31	30	**32**	27	28	22	19	10.5	3.5	16
28	25	**31**	29	27	20	21	16	18	12.5	14.5	17.5	14
21.5	23	24	20	25	**30**	26	23	15	15	7	1.5	11.8
20	27	25	22	**28**	20	24	22	15	15	6	2.5	11.8
10	5.5	4.5	7	3	3.5	1.5	5	10	11.5	10	7.5	6.7
11	8	9	5	1	0	0	.5	4.5	4.5	3.5	3	4.7
3	8.5	**12.5**	8	7	7.5	**5.5**	5.5	.5	2.5	2.5	5	4.8
12	11.5	11	5.5	7.5	4.5	**7.5**	5	4.5	1.5	.5	1	5.1
6	**8.5**	3.5	.5	2.5	4.5	0	.5	0	.5	3	4.5	2.6
11	3	3.5	4	3.5	1	3	3	6	2	.5	1	4
6	6.5	7	5	.5	0	.5	1.5	3	1	1	1	3.1
14.5	**15.5**	6	3.5	4.5	2	11	15	4	4	9	7	6.4
11	13.5	13	21.5	**25**	23	24	24	16	18	8.5	4.5	10.9
26	33	34	33	29.5	28.5	**36**	32	22	24	25	20	17.1
31	31	28	31	25	24	19	25	22	17	13	10	26.2
14	7.5	8	15	5	3	11	6	2	1	1	2	7.3
3	4.5	5	5	**13**	3	0	0	0	0	1.5	3	**2.4**
16	**28**	26	26	22	12	16	9	7	8	5	4	8.4
8.5	4.5	3.5	4.5	8	14	.5	4.5	2	.5	1	3.5	4.8
4	4.5	1	5.5	2	1.5	0	1.5	4.5	4	2.5	2.5	3.1
8	7	**13**	10.5	5	3.5	8	2.5	2.5	4.5	6.5	4	4.4
9	7.5	3.5	8	5	3	0	.5	2.5	6.5	2	0	3.8
14	14	11	7	10	16	15	**19**	16	11	11	3	9.1
14	22	30	31	**38**	30	24	29	25	19	24	20	16.5
43	42	34	51	49	43	44	49	51	49	35	38	**40.8**
32	16	21	18	22	18	19	14	16	6	6.5	2.5	26.4
15	**27.5**	26	18	7.5	4.5	6	6.5	8.5	8	4.5	4.5	14.4
18	**21.5**	14	14	7.5	5.5	5	6.5	7.5	7.5	6	5	10.4
16.7	**17.6**	16.8	16.8	15.8	13.9	13.6	13.6	12	10.9	8.4	**6.8**	11.7

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1								1	1		14	8						743.5	3.9	4.6
2									1	1	8	14						551	4.1	
3							1	1		1	3	13	1				4	385	3.9	
4							2				1	9	4	1			7	336.5	3.8	
5									1			12					11	283	3.4	
6										2	1	10	1	1	1		8	283	3.7	
7	1	4	3	1									2	2		2	9	160.5	1.9	.1
8			1	3		1	1						1	2			15	112	2.8	
9		1	1	3		1						1	2			1	14	116	2.1	13
10		1	3		1		1					3	1	1			13	123.5	3.6	.2
11					1												23	63.5	.1	2.2
12			1	1				1					2	1	1		17	96	1.6	5.7
13				1							1	2	1				19	74.5	2.6	
14		1	2	2	3				1	1	1	2	2				9	154.5	3	3.8
15	2	2		2							3	5	1	4			5	262	3.4	
16												11	3			1	9	410	4.8	
17										5	9	8	2					630	2.6	1.4
18							6	5	1			1					11	174.5	.7	3.3
19								3	1								20	58.5	.3	17.1
20	2	3	1								1	4	1	1	1	1	9	200.5	3	
21		1	1			1			1		1		1	2		1	15	115	2.3	18.5
22	2				1							1					20	75.5	1.7	2.9
23	1			2		2	2	2							1		14	105.5	3.5	
24		1											1	1			21	91.5	3.2	
25		1			1						5	2	2	2	1		10	218.5	3.8	
26	1	1										6	3	4		2	7	395	5.4	
27												12	10	2				978	2.9	43.1
28								2	7	4	8	2					1	634	.2	22.5
29					1	2	2	6	5	4	1	1					2	346.5	.1	54.4
30				1			1	9	4	2	1					1	5	250.5	2.3	.5
Total	9	16	13	16	8	7	16	30	23	20	58	127	41	24	5	9	298	8,428	80.7	193.3
Mean	0.3	0.5	0.4	0.5	0.3	0.2	0.5	1	0.8	0.7	1.9	4.2	1.4	0.8	0.2	0.3	9.9	280.9	2.7	6.4

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		*°C.*		*Per cent.*	*mm.*	*mm.*		*°C.*		*Per cent.*	*mm.*
1	759.45	11.00p.	31.3	1.05p.	88	24.2	756.10	3.50a.	25.2	2.20p.	73	21.6
2	59.10	0.05a.	31.5	10.40a.	**86**	24.2	56.70	4.05p.	**25.4**	0.05a.	74	21.9
3	59.45	10.00p.	31.7	2.30p.	94	24.5	56.75	3.05p.	24.2	5.45a.	74	21.4
4	59.50	10.10p.	32.1	1.45p.	95	24.3	57.20	3.35p.	24.3	5.50a.	72	21.6
5	59.55	9.15a.	32.1	1.25p.	95	25	57.15	3.45p.	25	5.45a.	75	**22.4**
6	59.70	9.35p.	32.4	11.15a.	94	25.1	57	3.30p.	24.4	5.50a.	70	22
7	59.70	10.30p.	32.3	9.50a.	96	25.2	57.05	3.35p.	24.3	4.30a.	74	21.5
8	59.35	8.25a.	32.7	2.10p.	96	23.1	56.30	4.05p.	23	6.00a.	65	19.8
9	59.10	10.00p.	32.7	1.45p.	97	24	56.45	2.55p.	22.8	6.00a.	70	19.5
10	59.60	9.30a.	33.2	2.40p.	94	23.1	57.15	4.05p.	**21.8**	6.00a.	64	**18.2**
11	**60.54**	9.00a.	27.4	3.50p.	97	23	**58.05**	5.25p.	23.9	5.45a.	86	21.5
12	59.95	8.20a.	31.9	0.35p.	**98**	24.6	56.70	3.20p.	22.3	5.30a.	73	19.9
13	58.99	8.00a.	**33.4**	3.20p.	97	25.1	55.60	2.55p.	23.3	5.30a.	72	20.3
14	57.99	9.00a.	32.6	3.55p.	97	23.3	55.20	3.25p.	22.4	5.55a.	62	19.4
15	57.15	9.05a.	31.7	2.55p.	96	24.6	54.75	3.40p.	23.8	5.15a.	73	21.1
16	55.85	8.35a.	31.7	0.20p.	96	25	53.25	2.50p.	24	5.35a.	72	21
17	56.30	10.25a.	30.8	10.35a.	88	23.9	53.25	3.05p.	25.2	6.15p.	73	21
18	57.35	10.55p.	31.2	10.50a.	97	23.4	54.45	2.15a.	24.1	2.15a.	70.5	19.9
19	58.70	10.20p.	31.9	1.05p.	**98**	**26.6**	54.90	3.45a.	23.6	4.55a.	76	21.4
20	59.80	11.55p.	32.2	2.05p.	97	23.6	56.60	3.00p.	23.7	5.30a.	69	21.5
21	59.70	0.05a.	31.2	0.50p.	95	23.4	56.55	4.25a.	23.2	5.55a.	69	20.1
22	58.10	11.35p.	31.6	4.35p.	96	24	55.10	4.15a.	23.1	6.05a.	70	20.1
23	59.10	10.50p.	33.3	11.20a.	97	24.6	55.65	3.20p.	22.7	6.05a.	66	19.9
24	59.60	9.05a.	32.9	2.20p.	95	22.9	56.70	4.10p.	22.4	5.45a.	64	19.1
25	58.85	8.45a.	32.6	3.50p.	94	23.4	55.80	4.45p.	23	6.00a.	**60**	19.6
26	56.60	0.05a.	32.4	0.30p.	93	25.5	51.70	12m.n.	24.8	2.40a.	73	21.4
27	**52.30**	10.25p.	29.7	10.15a.	89	23.5	**48.80**	4.15p.	23.6	10.30p.	74	20.4
28	55.55	9.45p.	29.4	2.05p.	94	23.4	50.30	0.55a.	22.7	0.05a.	76	19.9
29	57.40	11.15a.	**27**	9.40a.	**98**	**22.4**	54.40	3.10a.	22.7	11.45a.	**87**	19.7
30	57.75	11.10p.	29.6	1.55p.	95	22.7	55.70	2.15a.	23.5	4.25a.	75	20.5
Mean	758.40	-------	31.6	-------	94.7	24.1	755.38	-------	23.6	-------	71.7	20.6

DAILY GENERAL REMARKS.

1---Gusty SWly winds at intervals; ○ in the morning and afternoon; ● in the afternoon.
2---Somewhat gusty WSW winds in the afternoon.
3---☌ early in the morning; somewhat gusty WSW winds in the afternoon and evening.
4---Somewhat gusty WSW winds in the afternoon.
5---As yesterday.
6---☌ early in the morning.
7---◹° NE quadrant, d° in the afternoon; ◺° S in the evening.
8---d°, p° in the afternoon.
9---●², ◹° N quadrant in the afternoon.
10---☌° early in the morning; p in the afternoon and at night.
11---d° in the morning; coloration of clouds at sunset.
12---◹° E quadrant, ● in the afternoon; coloration of clouds, ◺ NNW in the evening.
13---d°, ◹ NE quadrant in the afternoon.
14---◹ E in the afternoon, ● at night.
15---○ in the morning and afternoon; intense coloration of clouds at sunset; ◺ N in the evening.
16---○ in the morning and afternoon; gusty SWly winds in the afternoon.
17---Gusty SWly winds in the morning and afternoon with ● in the evening.
18---◹ NE quadrant with occasional ● in the forenoon and afternoon.
19---Thundershowers, especially in the afternoon.
20---Somewhat gusty SWly winds in the afternoon.
21---● in the early morning; thundershowers in the afternoon.
22---● in the early morning and afternoon.
23---┬ N quadrant, coloration of clouds in the evening.
24---☌ early in the morning; ◹ E quadrant in the afternoon.
25---Coloration of upper clouds at sunset.
26---Somewhat gusty WSW winds during the afternoon; coloration of clouds, ◹ NE in the evening.
27---Gusty winds from W backing gradually to SW; ● in the afternoon, and especially at night; ┬° N quadrant in the forenoon; ┬ SE in the afternoon.
28---Squally weather, especially in the morning.
29---Rain squalls in the morning; thundershowers in the afternoon.
30---d, ◹ NW quadrant in the early morning and afternoon.

OBSERVATIONS FOR OCTOBER, 1911.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	57	57	57	56.95	57.05	57.39	57.84	58.41	58.48	58.37	57.97	57.48
2	**58.85**	58.90	59	59.15	59.30	59.65	60.35	60.63	60.80	60.82	60.51	59.98
3	60.40	59.95	59.85	59.90	60.05	60.44	60.62	61.30	**61.49**	61.19	60.68	60.25
4	59.75	59.30	59	58.95	**59.90**	59.23	59.83	59.85	59.87	59.87	59.59	59.16
5	59	58.65	58.50	58.45	58.55	59.14	59.50	59.98	**60.03**	60.01	59.63	58.84
6	58.75	58.60	58.40	58.60	58.65	58.64	59.17	59.85	60.24	60.23	59.74	59.22
7	59.85	59.55	59.30	59.15	59.45	59.75	60.32	60.70	60.99	**61.01**	60.51	60.17
8	60.45	60.25	60.25	60.25	60.45	60.73	61.11	61.74	**61.85**	61.62	61.08	60.57
9	61.10	61	60.90	60.90	60.90	61.39	61.58	61.87	61.86	**61.89**	61.48	60.73
10	59.80	59.65	59.50	59.55	59.65	60.29	60.77	**61.57**	61.54	61.37	60.71	59.92
11	59.85	59.30	59.25	59.20	59.45	59.75	60.05	60.40	**60.59**	60.31	59.82	59.26
12	59.25	59.20	59.25	59.20	58.90	59.29	59.79	60.07	**60.37**	60.12	59.74	58.97
13	59.45	59.40	59.45	59.45	59.65	59.54	59.61	60.14	**60.46**	60.43	59.74	59.45
14	58.95	58.80	58.65	58.50	58.85	59.35	59.71	60.11	60.25	60.29	59.74	59.12
15	59.15	58.95	58.80	58.60	59.05	59.65	60.09	60.39	**60.62**	60.33	59.64	59.06
16	59.60	59.55	59.05	59.05	59.20	59.49	60.26	60.59	**60.70**	60.46	59.79	59.42
17	60	59.75	59.40	59.65	59.90	60.44	60.90	61.45	**61.58**	61.31	60.62	59.66
18	60.90	60.75	60.60	60.70	61	61.19	61.74	61.88	**62.57**	62.12	61.94	61.62
19	61.20	60.85	60.55	60.50	60.70	60.96	61.20	61.65	**61.97**	61.59	60.95	60.32
20	60.65	60.20	59.80	59.70	59.80	60.06	60.65	60.98	61.12	60.84	60.38	59.83
21	60.75	60.45	60.25	60.25	60.40	60.63	60.88	61.34	61.69	61.45	60.92	60.59
22	61.65	61.25	60.95	60.80	61.10	61.54	61.84	62.30	62.59	**62.70**	62.28	61.87
23	61.80	61.50	61.40	61.50	61.75	62.26	62.66	63.04	**63.19**	63.02	62.58	61.85
24	61.60	61.50	61.45	61.50	61.70	62.13	62.45	**62.84**	62.79	62.62	62.19	61.54
25	61.70	61.45	61.45	61.55	61.90	62.35	62.80	63.08	**63.27**	63.20	62.45	61.64
26	61.50	61.30	61.20	61.20	61.45	61.80	62.30	62.73	**62.98**	62.73	62.25	61.55
27	62.10	61.95	61.80	61.80	61.95	62.40	62.53	62.93	**62.97**	62.74	62.34	61.67
28	62.30	61.95	61.90	61.95	62.20	62.75	63.33	63.73	**63.79**	63.60	62.99	62.36
29	62.25	61.80	61.65	61.55	61.80	62.15	62.74	63.05	**63.14**	62.98	62.42	61.79
30	61.55	61.25	61.15	61.05	61.40	61.98	62.55	62.93	**63.25**	62.89	62.53	61.82
31	61.35	60.80	60.60	60.60	60.85	61.30	61.65	62	**62.12**	61.91	61.42	60.62
Mean	60.40	60.15	60.01	60	60.22	60.57	60.99	61.40	**61.59**	61.42	60.92	60.33

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	24.7	24.7	24.5	24.3	24	**23.8**	26.3	28.6	30.1	30.1	31.3	30.9
2	24.5	23.9	23.8	23.6	**23.4**	23.5	25.9	28	29.1	30.1	30.8	31.2
3	23.4	23	22.6	22.4	22.2	**22.1**	24.5	27.7	28.9	28.8	29.2	29.7
4	24.7	24.2	23.6	23.3	23.2	**23.1**	25.2	28	29.4	30.3	30.4	30
5	24.8	24.8	24.5	24.2	23.7	**23.5**	25.1	27.1	28.7	30.3	29.1	30.3
6	25.4	25.3	[illegible]	24.6	24.6	**24.5**	25	27	27.4	29.5	29.8	30.2
7	24.2	24	23.9	23.6	23.3	**23.2**	24.9	27.6	27	29.6	28.7	30.5
8	23.7	23.3	22.9	22.7	**22.4**	**22.4**	25.2	27.5	28.5	29.4	29.2	29.8
9	22.8	22.3	22.1	21.8	21.6	**21.5**	24.8	27.8	30.1	30	31	30.6
10	23.9	23.8	23.6	23.8	23.4	**23.3**	24.8	27.2	29.4	30.5	30.7	30.4
11	24.8	23.9	23.6	22.9	22.5	**22.3**	24.8	27.4	28.8	29.6	29.7	29.7
12	24.4	24.4	24.6	24.1	23.9	**23.6**	25.2	27	26.5	28.2	27	29.6
13	24.4	24.5	24.4	**24.2**	24	**23.8**	24	24.6	25.3	26.5	27	27
14	23.8	23.7	24	23.8	23.6	24	25.4	26.7	28.7	26.7	29.8	30.7
15	22.8	22.7	22.5	**22.3**	22.4	22.6	23.6	25.3	27.9	28.2	28.8	29.8
16	24.4	24.1	23.9	23.6	23.6	**23.4**	24.5	27	28	28.7	**30.5**	28.7
17	24.1	23.5	23.3	23.2	23	**22.8**	24.4	26.9	27.5	28.9	29.7	29.4
18	24.5	23.9	23.8	23.7	**23.5**	**23.5**	25.2	27.4	27	**28.3**	26.2	25.8
19	23.4	22.9	22.5	22.5	22.4	**22.2**	23.7	26.3	26.5	27.2	29	**30.1**
20	22.1	22.1	22	21.9	**21.7**	22.5	24.2	26.7	28.4	29	29.4	29.4
21	23.2	23.2	23.2	23.4	23.4	22.7	24.8	26.9	27.6	28.4	28.3	27.5
22	21.4	21.1	20.6	20.5	20.3	**20.1**	22	26.1	28.3	28.5	28.2	26.9
23	22	22.1	22.3	22.1	22.2	22.5	23.7	24.9	25.8	26.6	27.3	**28.8**
24	21.8	**21.3**	21.5	22	21.9	22	24.5	25	28.3	**29.4**	27.6	27.6
25	23.6	23.5	23	23.1	23.3	23	23	25	25.8	26.5	28.4	29.7
26	22.4	21.9	21.4	21.3	21.1	**20.7**	22.5	25.5	27.2	27.5	28.6	29.5
27	22.9	22.3	22.3	21.9	21.3	**21.1**	23	27.2	29.4	28.5	29	29.3
28	23.2	22.8	22.1	21.8	21.2	**21**	22.9	26.2	29.1	29.2	29.6	29.5
29	23.7	22.8	21.9	21.5	**21**	21.2	23.2	27	28.7	29	**29.4**	28.8
30	24.3	24.1	23.4	22.7	22.5	**22.1**	23.8	27	28.1	28.6	29.3	29.9
31	22	21.6	21.5	21.6	21.4	**21.3**	23.2	26.4	29.5	29.2	29.5	30.8
Mean	23.6	23.3	23.1	22.9	**22.6**	**22.6**	24.3	26.7	28.1	28.8	29.1	29.4

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
57.07	56.74	**56.60**	56.82	57.30	57.48	58.10	58.80	59.20	**59.50**	**59.50**	59.05	**57.80**
59.20	58.93	58.92	58.92	59.10	59.52	60.03	60.60	61.05	**61.25**	61.05	60.90	59.89
59.27	58.83	**58.42**	58.52	58.52	58.81	59.32	59.70	60.30	60.65	60.50	60.15	59.96
58.34	57.71	**57.16**	57.22	57.68	58.24	58.62	59.10	59.75	59.80	**59.90**	59.60	59.06
58.18	57.54	**57.25**	57.46	57.79	58.47	58.98	59.45	59.80	59.90	59.70	59.35	58.92
58.15	**57.95**	**57.95**	58.36	58.65	58.95	59.58	60.25	60.55	**60.90**	60.75	60.35	59.27
59.30	58.82	**58.76**	58.80	59.27	59.45	60	60.55	60.95	60.95	60.90	60.55	59.96
59.89	59.45	59.40	**59.37**	59.46	59.74	60.15	60.80	61.45	61.55	61.55	61.25	60.60
60.23	59.78	59.52	59.30	**59.10**	59.53	59.84	60.05	60.10	60.35	60.40	60.45	60.59
59.40	58.92	58.80	58.75	**58.68**	58.90	59.44	59.85	60.05	60.40	60.45	60.40	59.93
58.63	58.06	57.90	**57.85**	58.15	58.72	59.21	59.70	59.75	59.80	59.60	59.70	59.35
58.32	**57.62**	57.66	57.68	57.95	58.33	58.75	59.25	59.70	59.70	59.65	59.75	59.10
58.52	57.75	**57.69**	57.94	58.14	58.77	59.19	59.65	59.80	59.90	59.85	59.40	59.31
58.62	57.70	**57.56**	57.85	57.90	58.33	59.10	59.85	60.55	**60.75**	60.40	59.75	59.20
58.42	58.27	**57.78**	58.22	58.21	58.57	59	59.75	60.25	60.40	60.30	59.95	59.31
58.82	58.55	**57.94**	58.08	58.40	58.85	59.58	59.90	60.30	60.55	60.55	60.30	59.54
58.94	58.56	**58.16**	58.38	58.61	59.26	59.88	60.90	61	61.25	61.15	61	60.07
61.15	60.27	**60.15**	60.52	60.70	60.93	61.29	61.95	62.15	62.20	62.10	61.85	61.34
59.83	59.25	59.19	**59.17**	59.35	59.82	60.42	61	61.30	61.40	61.40	61	60.65
59.06	58.56	**58.41**	58.70	58.98	59.54	60.14	60.75	61.20	**61.45**	61.35	61.10	60.14
59.92	59.32	**59.11**	59.39	59.69	60.29	60.95	61.50	61.85	62.05	**62.15**	62	60.74
61.43	60.95	**60.46**	60.48	60.76	60.94	61.35	61.65	62.05	62.25	62.05	61.95	61.55
61.82	61.12	60.87	**60.74**	60.75	61.05	61.45	61.75	61.85	62	61.90	61.80	61.82
60.98	60.22	**60.08**	60.22	60.42	60.74	61.23	61.75	62.05	62.25	62.05	61.85	61.59
61.07	60.41	60.36	**60.29**	60.54	60.71	61.06	61.40	61.65	61.90	61.80	61.60	61.65
60.77	60.14	**60.13**	60.28	60.51	60.86	61.18	61.85	62.25	62.50	62.60	62.25	61.10
60.82	60.34	**60.15**	60.22	60.52	60.68	61.07	61.90	62.45	62.70	62.70	62.60	61.81
61.61	60.91	**60.85**	61.01	61.15	61.23	61.85	62.45	62.80	62.95	62.90	62.65	**62.30**
61.28	60.93	**60.61**	60.78	60.98	61.08	61.55	61.85	62	62.05	62.05	61.75	61.84
61.06	60.63	**60.45**	60.58	60.67	60.86	61.18	61.60	62.05	62.05	61.90	61.70	61.63
59.99	59.34	**59.18**	59.38	59.55	59.89	60.58	61	61.40	61.55	61.45	61.25	60.82
59.68	59.15	**58.95**	59.07	59.27	59.63	60.13	60.66	61.02	61.19	61.12	60.88	60.37

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
31.4	31.2	**31.4**	30.3	29	28.3	27.6	26.7	27.3	26.1	25.6	24.8	**27.6**
31.6	31.7	**32**	31.4	30.1	27.7	25.9	25.5	25.5	24.6	24.2	23.7	27.2
30.2	31	**31.1**	30.7	28.5	27.3	25.9	25.6	25.7	25.4	25.5	25.3	26.5
30.5	31.4	**31.9**	31.1	30.5	28.8	28.3	28.1	27.4	26.6	26.2	25.3	**27.6**
30.7	30.8	**31.1**	29.7	29.2	28.3	28.1	26.4	26.5	26.1	26.1	25.6	27.3
30.9	**31.6**	31.4	30	28.3	27.8	26.8	26.2	25.8	25.4	24.9	**24.5**	27.2
30.4	**31**	29.3	30.3	28.3	27.2	26.5	25.7	25.5	25	24.7	24	26.6
30.6	31	**31.1**	30.3	29.6	27.1	26.1	25.6	24.9	24.2	23.7	23.2	26.4
30.6	30.8	**31.2**	30.5	29.8	28.1	26.9	25.5	24.7	24.4	24.3	23.8	26.5
30.9	30.4	**31.3**	30.7	29.5	27.2	25.2	24.5	23.8	**23.3**	23.8	24.2	26.6
28.9	30.6	**31.4**	30	29	27.9	26.9	26	25.5	24.7	24.4	24.4	26.7
30.4	30.6	**30.9**	30	29.4	27.6	26.4	25.9	25.5	24.9	24.6	24.7	26.6
27.4	28.1	28.2	**28.7**	27.5	26.1	25.4	24.7	24.4	24.4	24.3	24	25.5
30.3	31.3	**31.7**	30.7	28.4	26.7	26.4	26.3	23.3	23	23.2	**22.8**	26.5
30.1	26.7	28.7	29.1	**27.8**	26.3	25.9	25.4	25.3	25.7	25.3	25	25.8
28	26.7	29.2	28	27	26.5	26.1	25.8	25.1	24.8	24.8	24.3	26.1
30.8	25.7	28.5	30.3	28.6	26.8	26.3	25.8	25.2	25	24.5	24.1	26.2
26.5	26.8	27	26.9	25.2	24.6	24.4	24.1	23.9	23.8	23.8	24	25.2
29.5	29.4	28.9	28.4	27.6	26.2	25.2	24.8	24	23.2	23.1	22.3	25.5
30.4	29.6	28.3	28.2	27.3	26.1	24.9	24.3	23.9	23.1	23.6	23.8	25.5
28.3	28.6	28.5	**29**	27.4	25.5	24.3	23.3	22.9	22.4	22.1	**21.7**	25.3
28.5	29.7	**30.2**	29.2	27.9	26.9	25.5	24.6	23.7	23.5	23	22.3	25
23.9	25	26	26.5	25.1	24.1	23.5	23.4	22.9	22.6	22.3	**21.9**	**24.1**
27.6	29	28.4	26.7	26.2	25	24.7	24.7	24.5	24.1	23.9	23.8	25.1
30	28.9	28.3	29.2	27.7	26.4	26	25.2	24.2	23.8	23.4	**22.8**	25.6
30	**30.5**	**30.5**	29.8	28.7	27.1	25.9	25.5	24.7	24	23.5	22.9	25.5
29.6	30.6	**31.3**	30.6	28.2	27.1	26.1	25.3	24.8	24.3	23.8	23.2	26
30.2	**31.1**	29.9	29.5	27.8	26.4	25.4	24.6	23.2	22.7	22.7	23.4	25.6
29.4	29	28.8	28.7	28	26.9	26.5	26.2	25.6	24.4	24.2	23.8	25.8
30.3	30.7	30.1	**30.9**	28.4	26.5	25.3	24.3	23.8	23	22.5	22.4	26
29.2	30.7	**31.4**	29.5	29.3	27.5	**26.5**	25.2	24.7	23.9	23.6	23	25.9
29.6	29.7	**29.9**	29.5	28.2	26.8	26	25.3	24.8	24.3	24.1	23.7	26.1

RELATIVE HUMIDITY (%).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	90	90	89	91	92	**94**	87	68.5	71	73	68	70
2	93	95	96	**97**	**97**	**97**	88.5	82	77	71	69	61
3	92	92	94	**95**	**95**	**95**	89	78	74	74	75	73
4	92	92	94	**96**	**96**	**96**	92.5	79	71	68	73	71
5	92	93	95	95	96	**97**	92	79	73	**65**	75	71
6	94	94	**97**	**97**	**97**	**97**	**97**	86.5	81	74	72	68
7	95	97	97	**98**	**98**	**98**	92	78	81	74	77	74
8	91	90	**93**	91	92	92	83	78	70	68	70	67
9	92	94	**95**	94	**95**	**95**	84	79	65	65	64	66
10	89	90	90.5	91	**92**	91	90	79	69	66.5	64	68
11	85	90	90.5	**93**	92	92	87	74	71	68	67	66
12	89	89	89	92	91	92	89	82	80	73	85	72
13	92	95	94	95	96	**97**	96	93	91	82.5	84	83
14	**94**	**94**	93	**94**	93	91	88	86	83	88	71	66
15	91	91	92	92	**93**	91	90.5	87	74	74	77	75
16	91	92	93	93	94	**95**	94	82	74	74	**72**	76
17	92	**96**	94	94	94	**96**	91	82	80	76	72	72
18	84	86	87	88	89	89	83	71	72	**69**	85	84.5
19	**94**	**94**	**94**	**94**	93	**94**	87	77	79.5	76	67.5	67.5
20	92	92	91	92	**93**	91	86	71	67	66	64	64
21	89	89	90	89	90	**92**	85	69	69	68	70	73
22	88	88	91	90	91	92	**93**	77	67	**63**	**63**	67
23	88	87	88	88	89	89	88	82	79	73	**70**	**70**
24	94	**95**	93	94	92	93	87	83	**69**	71	74	73
25	**93**	**93**	**93**	**93**	92	91	89	81	80	78	70	71
26	89	89	89	89	89	**90**	89	77.5	71	70	66	63
27	89	90	90	91	**92**	**92**	87	73	68	70.5	67	65
28	84	**87**	86	85	86	**87**	83	75	64	63	66	64
29	81	85	86	85	**87**	86	85	70	64	64	**63**	64.5
30	86.5	86	85	88	88	89	88	75	70	69	66	64
31	91	**94**	93	**94**	92	92	90	77	68.5	**64**	70	66
Mean	90.2	91.3	91.7	92.2	92.5	**92.7**	88.7	78.4	73.3	70.9	70.9	69.5

VAPOR PRESSURE (mm).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	20.8	20.8	20.3	20.6	20.4	20.6	22.1	**19.9**	22.6	23	23.1	23.2
2	21.3	20.9	20.9	20.9	20.6	20.7	22	**23.1**	**23.1**	22.4	22.6	20.7
3	19.7	19.2	19.1	19.1	18.8	**18.7**	20.3	21.5	21.9	21.8	22.6	**22.7**
4	21.2	20.7	20.3	20.3	20.2	**20.1**	22	22.3	21.6	21.7	**23.5**	22.3
5	21.3	21.7	21.7	21.3	20.8	**20.7**	21.9	21.1	21.3	20.8	22.4	22.7
6	22.7	22.6	**23.3**	22.4	22.4	22	22.8	22.9	21.8	22.6	22.4	21.7
7	21.3	21.4	21.3	21.3	20.9	20.8	21.6	21.3	21.5	22.8	22.5	**24.1**
8	19.9	19.2	19.3	18.7	**18.5**	**18.5**	19.9	21.2	20.2	20.8	21.1	21
9	19	18.8	18.7	18.2	18.1	**18**	19.6	**21.8**	20.6	20.5	21.2	21.5
10	19.6	19.7	19.6	19.8	19.7	19.4	20.9	21.2	21	21.5	21	21.8
11	19.8	19.8	19.6	19.3	18.6	**18.4**	20.2	20.1	21	20.9	20.6	20.4
12	20.2	20.2	20.4	20.6	20.1	**19.9**	21.2	21.7	20.6	20.8	22.5	22.1
13	**21**	21.7	21.3	21.3	21.2	21.2	21.2	21.4	21.8	21.2	22.3	22.1
14	20.6	20.5	20.7	20.6	20.1	20.1	21.3	22.5	**24.3**	22.9	22	21.7
15	18.8	18.7	18.6	**18.4**	18.7	18.6	19.6	20.8	20.6	20.9	22.6	23.5
16	20.8	20.6	20.5	**20.1**	20.3	20.3	21.5	21.7	20.7	21.7	23.2	22.2
17	20.6	20.6	20	19.8	**19.6**	19.7	20.6	21.6	21.8	22.4	22.3	21.8
18	19.2	**19**	19.1	19.1	19.1	19.1	19.7	19.3	**19**	19.7	21.4	20.8
19	20.1	19.5	19	19	18.7	18.6	19	19.6	20.4	20.4	20	**21.4**
20	18.2	18.2	**17.9**	**17.9**	**17.9**	18.4	19.2	18.4	19.2	19.7	19.4	19.6
21	18.7	18.7	18.9	19	19.3	18.9	19.8	18.1	19	19.5	19.9	19.8
22	16.7	16.4	16.4	16.1	**16**	16.2	18.2	19.4	19.1	18.3	18.1	17.5
23	17.2	**17.1**	17.7	17.5	17.8	18.1	19.1	19.1	19.5	18.8	19	20.6
24	18.2	18	**17.7**	18.4	17.9	18.2	20	19.4	19.7	**21.6**	20.4	20.1
25	20.1	20	19.4	19.5	19.6	19	**18.5**	19.1	19.7	20	20	**21.9**
26	18	17.4	16.9	16.8	16.6	**16.3**	17.9	18.8	19.1	19.3	19.3	19.3
27	18.4	18.1	18.1	17.8	17.3	**17.1**	18.1	19.4	20.6	20.4	19.9	19.7
28	17.9	17.9	17	16.5	16.2	**16.1**	17.1	18.9	19.2	19	20.3	19.7
29	17.5	17.6	16.7	**16.1**	**16.1**	16.2	18	18.6	18.9	19.1	19.2	19
30	19.5	19.3	18.2	18	17.7	**17.6**	19.3	19.7	19.8	20.1	20.1	20.1
31	17.9	17.9	17.7	17.9	17.4	**17.3**	18.9	19.7	20.9	19.4	21.6	21.8
Mean	19.6	19.4	19.2	19.1	**18.9**	**18.9**	20	20.4	20.7	20.8	21.2	21.2

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
69	69	**66**	68	74	74.5	80	83	80	87	88	93	79.8
58	56	**55**	60	65	76	84	86	86	89	89	91	79.9
67	63	61	**59**	78	82	86	89	89	90	90	89	82
70	65	62.5	**62**	70	75.5	79	81	83	84	86	88	80.3
69	71	70	79	73	79	79	90	91	91	92	94	83.4
64	**60**	62	70	78	80	86	87	89	91	92	92	83.6
69	**68**	70	70	80	84	89	91	91	92	92	92	85.3
64	64	**62**	66	70.5	79	83	85	88	88	89	90	79.7
65	**62**	64	65	67	71.5	72	78	85	85	85	89	78.2
71	69	65	67	**63**	70	80	82	84	85	85.5	86	78.6
69	67	**65**	73	78	79	82	83	84	88	88	90	80.1
68	**63**	66	71	75	86	88	89	90	88	90	**93**	82.9
81	80	**78**	**78**	87	90	93	95	95	96	96	95	**90.1**
67	66	**64**	66	75	82	84	85.5	86	86	87	89	82.4
73	86	78	79	84	84	85	88	88	85	88	88	84.7
81	86	80	82	85	85	89	90	92	93	92	92	86.5
72	88	82	**70**	75	83	84	85	86	86	87	88	84.4
79.5	80	81	81	88	92	**94**	93	93	93	91	91	85.2
66	**65**	67	69	78	79	83	83	86	89	89	92	81.8
61	64	70	70	71	77	81	82	82	87	85	85.5	78.5
68	**64**	70	68	68	72	75	82	83	85	86	88	78.4
66	64.5	64	66	74	75	74.5	74	81	82	85	88	77.7
90	89	82	80	89	93	94	94	**96**	95	**96**	**96**	86.9
73	71	74	79	80	87.5	87	88	88	89	91	92	84.1
65	70	72	71.5	76	82	84	87	87	88	88	89	82.6
60	**57**	59	66	69	74	80	82	85	86	89	89.5	77.8
63	61	**58.5**	62	74	75	76	78	79	79	82	84	76.9
60	**58**	62	64	73.5	73	79	75	81	82	82.5	81	**75**
63	66	69	74	77	80	81	81	81	84	86	**87**	77.1
68	64	63	**62**	70	77	79	83	83	89	**91**	90	78.1
69	65	65	72	70	74	77	83	85	89	90	92	80.1
68.7	68.4	**68**	70	75.3	79.7	82.8	84.9	86.4	87.8	88.6	89.8	81.4

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
23.5	23.2	22.7	21.9	22	21.3	21.9	21.7	21.5	21.8	21.6	21.7	21.8
20	**19.4**	19.6	20.6	20.8	20.9	20.8	20.9	20.9	20.4	19.9	19.9	21
21.3	21.1	20.3	19.2	22.6	22.1	21.4	21.8	21.9	21.7	21.8	21.4	20.9
22.6	22.1	21.9	20.7	22.6	22.2	22.5	22.9	22.5	21.8	21.8	21.2	21.7
22.5	23.3	23.5	**24.4**	21.9	22.5	22.4	22.9	23.4	22.9	23	22.9	**22.2**
21.3	**20.9**	21.2	22.1	22.3	22.2	22.4	22	22	21.9	21.4	21.1	22.1
22.3	22.7	21.3	22.3	22.7	22.6	22.8	22.3	22	21.6	21.4	**20.4**	21.9
20.9	21.2	21	21.2	**21.7**	21.1	20.9	20.8	20.6	19.8	19.3	19.1	20.2
21.1	20.5	21.5	21	21	20.2	18.9	19	19.6	19.3	19.1	19.4	19.9
23.4	22.3	22.1	22.1	19.2	18.8	19	18.6	18.4	**18.1**	18.7	19.4	20.2
20.5	21.7	22.1	22.9	**23.1**	22.2	21.6	20.7	20.5	20.4	20	20.4	20.6
22	20.5	22	22.5	22.9	**23.6**	22.4	22.2	21.8	20.6	20.7	21.5	21.4
21.8	22.6	22.1	22.7	**23.6**	22.6	22.3	21.9	21.6	21.7	21.6	**21**	21.8
21.5	22.3	22.3	21.7	21.5	21.3	21.5	21.7	18.3	**18**	18.4	18.5	21
23	22.3	22.7	**23.7**	23.2	21.3	21.2	21.1	21.2	20.9	21	20.8	20.9
22.7	22.5	**24**	23.1	22.5	21.8	22.2	22.3	21.9	21.7	21.5	20.9	21.7
23.7	21.7	23.6	22.3	21.9	21.6	21.2	21.1	20.5	20.2	19.8	**19.6**	21.2
20.4	21	**21.5**	21.3	21.1	21.2	21.3	20.8	20.5	20.4	20	20.3	20.2
20.1	19.8	19.9	19.9	21.3	19.8	19.7	19.2	19	18.7	18.6	**18.4**	19.6
19.8	19.7	19.9	**20**	19.2	19.4	19	18.6	18.1	18.3	18.3	18.7	18.9
19.3	18.7	20.2	**20.3**	18.3	17.5	**17**	17.4	17.1	17.1	**17**	**17**	18.6
19.2	20	20.5	19.9	**20.6**	19.6	18	17	17.5	17.7	17.8	17.5	**18.1**
19.8	21	20.6	20.6	**21.1**	20.8	20.2	20.1	19.8	19.3	19.1	18.7	19.3
20.1	21.1	21.2	20.5	20.2	20.6	20.2	20.4	20.1	19.8	20	20.2	19.8
20.6	20.7	20.5	21.5	20.9	20.9	21	20.7	19.6	19.3	18.8	**18.5**	20
19	18.6	19.1	**20.6**	20.2	19.7	19.9	19.9	19.6	19.2	19.1	18.6	18.7
19.5	19.8	19.8	20.3	**20.9**	20.1	19	18.7	18.5	17.9	18	17.9	19
19.1	19.4	19.3	19.6	**20.4**	18.8	19	17.3	17.1	16.8	16.9	17.4	18.2
19.2	19.7	20.2	**21.7**	**21.7**	20.9	20.8	20.4	19.8	19.1	19.2	19.1	19
20.6	**21**	20	20.7	20	19.9	18.9	18.8	18.2	18.5	18.4	18.2	19.3
20.7	21.4	**22.2**	22	21.3	20.2	19.9	19.9	19.6	19.6	19.4	19.2	19.7
21	21	21.3	**21.4**	**21.4**	20.9	20.6	20.4	20.1	19.8	19.7	19.6	20.3

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Ci.-S.		Ci.-S.		Ci.		Ci.-S.		Ci.-S.		Ci.-S.	
2	Ci.		Ci.	E	Ci.	E	Ci.		Ci.		Ci.	
3	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
4			Ci.		Ci.				Ci.			
5	Ci.		Ci.-S.		Ci.-S.		Ci.		Ci.		Ci.-S.	
6	A.-Cu.	NE	Ci.-S.		Ci.-S.		Ci.-S.		Ci.		Ci.	
7	Ci.		Ci.		Ci.							
8	Ci.	SSE	Ci.	SSE	Ci.	SSE	Ci.		Ci.		Ci.	
9	Ci.				Ci.		Ci.				Ci.	
10	A.-Cu.		Ci.-Cu.		Ci.-S.		Ci.-Cu.					
11	A.-Cu.		Ci.		A.-Cu.				Ci.			
12	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.				Ci.	
13					Ci.-S.		Ci.-S.		Ci.-S.			
14					A.-Cu.		Ci.		Ci.		A.-Cu.	
15	Ci.-S.		A.-Cu.		A.-Cu.				Ci.			
16	Ci.-S.											
17	Ci.		Ci.						Ci.		Ci.	
18	A.-Cu.		A.-Cu.		A.-Cu.		Ci.-S.				Ci.-S.	
19			A.-Cu.				A.-Cu.		Ci.-Cu.		Ci.-Cu.	
20	A.-Cu.		A.-Cu.				A.-Cu.					
21			A.-Cu.		A.-Cu.							
22			Ci.		Ci.							
23			Ci.-S.		Ci.-S.						Ci.-S.	
24	A.-Cu.											
25			Ci.-S.		Ci.-S.		Ci.-S.		Ci.		Ci.	
26					Ci.		Ci.		Ci.		Ci.	
27												
28												
29	Ci.		Ci.		Ci.		Ci.					
30	Ci.											
31												

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Cu.		Cu.		Cu.	SW	Cu.		Cu.	SWbyS	Cu.	
2	Cu.		Cu.	S	Cu.	S	Cu.		Cu.		Cu.	
3	Cu.		Cu.		Cu.	E	Cu.	E	Cu.		Cu.	
4	Cu.		Cu.		Cu.	ESE	Cu.	ESE	Cu.	ESE	Cu.	
5	Cu.		Cu.		Cu.	NNE	Cu.	NNE	Cu.		Cu.	
6	Cu.		Cu.		Cu.	SSW	Cu.	SSW	Cu.		Cu.	
7	Cu.-N.		Cu.	E	Cu.		Cu.	E	Cu.	E	Cu.	
8	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
9	Cu.		Cu.		Cu.		Cu.		Cu.	E	Cu.	E
10	Cu.		Cu.	ENE	Cu.	ENE	Cu.	ENE	Cu.		Cu.-N.	
11	Fr.-Cu.		Cu.	E	Cu.	E	Cu.-N.		Cu.	E	Cu.	
12	N.-cf.	ESE	Cu.-N.	ESE	Cu.	ESE	Cu.	NEbyE	Cu.-N.	NEbyE	Cu.-N.	
13	Cu.-N.		Cu.-N.	E	Cu.-N.	E	Cu.-N.		Cu.-N.	E	Cu.-N.	
14	S.-Cu.	ESE	S.-Cu.	ESE	Cu.	ESE	Cu.	ESE	N.-cf.	ESE	Cu.	
15	Cu.		S.-Cu.	E	S.-Cu.	EbyN	Cu.		Cu.		Cu.	
16	Cu.		Cu.	ESE	Cu.	ESE	Cu.	ESE	Cu.-N.		Cu.-N.	
17	Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	
18	Cu.	E	S.-Cu.	E	Cu.	E	S.-Cu.		N.		Fr.-N.	
19	Cu.	E	Cu.	E	Cu.-N.	E	Cu.	E	Cu.		Cu.	
20	Cu.		Cu.	E	Cu.	E	Cu.	E	N.-cf.	E	Cu.-N.	
21	Fr.-Cu.	ENE	Fr.-Cu.		S.-Cu.	ENE	Fr.-Cu.		N.-cf.	ENE	N.-cf.	
22			Cu.				Cu.		Cu.		Cu.	
23	Cu.-N.		Cu.-N.	ESE	S.-Cu.	ESE	Cu.-N.	ESE	N.-cf.	ESE	Cu.-N.	E
24	Cu.	E	Cu.	E	Cu.		Cu.	E	Cu.-N.	E	Cu.-N.	
25	N.		Cu.-N.	E	Cu.		S.-Cu.		Cu.		Cu.	
26	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
27	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	
28	Cu.		Cu.		Cu.		Cu.		Cu.	E	Cu.	
29	Cu.	SE	Cu.		Cu.		Cu.		S.-Cu.	E	Cu.	E
30	Cu.		Cu.		Cu.	E	Cu.		Cu.		Cu.	E
31	Cu.		Cu.		Cu.	E	Cu.	E	Cu.		Cu.	

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Ci.-S.	NW	Ci.-S.		Ci.-S.	NW	Ci.-S.		Ci.-S.		Ci.-S.	
Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
										Ci.-S.	
				Ci.		Ci.		Ci.-S.		A.-Cu.	
Ci.		Ci.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.		Ci.		Ci.							
Ci.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
						Ci.-S.		Ci.-S.			
						Ci.		Ci.		Ci.-S.	
		Ci.-S.				Ci.		Ci.		Ci.	
								A.-Cu.			
Ci.-S.		Ci.-S.		Ci.-S.		A.-Cu.		A.-Cu.		A.-Cu.	
				Ci.				Ci.			
				A.-Cu.		Ci.		Ci.		Ci.-S.	
						Ci.-S.					
		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.			
		Ci.-S.		Ci.-S.		A.-Cu.					
		A.-Cu.		A.-Cu.				A.-Cu.		Ci.-S.	
						Ci.-S.		A.-Cu.		Ci.	
Ci.-S.											
Ci.-Cu.				Ci.-S.		A.-Cu.		A.-Cu.			
						A.-Cu.					
A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.	
		A.-Cu.		A.-Cu.							

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Cu.	SW	Cu.-N.		Cu.	SW	Cu.		S.-Cu.		S.-Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.	E	Cu.	E	Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		S.-Cu.	
Cu.		Cu.		Cu.		Cu.-N.	ENE	Cu.-N.	ENE	Cu.-N.	
Cu.		Cu.	E	Cu.	E	Cu.-N.		Cu.		Cu.	
Cu.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.		Cu.		Cu.	
Cu.		Cu.		Cu.-N.	E	Cu.	E	Cu.		Cu.	
Cu.		Cu.	E	Cu.-N.	E	Cu.		Cu.		Cu.	
Cu.-N.	EbyS	Cu.	ESE	Cu.	ESE	Cu.	ESE	Cu.	ESE	Cu.	
Cu.-N.	E	Cu.	E	Cu.-N.	E	Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.	ENE	Cu.	ENE	Cu.		Cu.	
Cu.-N.	E	Cu.-N.	E	Cu.-N.		Cu.-N.	E	S.-Cu.		Cu.	
Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	
Cu.-N.	EbyN	Cu.-N.	EbyN	Cu.-N.	EbyN	Cu.		Cu.-N.		Cu.-N.	
Cu.-N.	SE	Cu.-N.	SE	Cu.-N.	SE	S.-Cu.	SE	S.-Cu.		S.-Cu.	
Cu.	E	Cu.-N.	E	Cu.	E	Cu.		Cu.		Cu.	
Cu.-N.		Cu.	E	S.-Cu.	E	Cu.-N.		S.-Cu.		Cu.-N.	
Cu.-N.	E	N.-cf.	E	Cu.-N	E	N.-cf.	E	Cu.	E	Cu.-N.	
Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.		S.-Cu.	
Cu.-N.		N.-cf.	ENE	N.-cf.	ENE	N.-cf.	ENE	Cu.		Cu.	
Cu.		Cu.	E	Cu.		Cu.	E	Cu.		Cu.	
N.		Cu.-N.	E	Cu.-N.	E	Cu.	E	Cu.		Cu.	
Cu.-N.		Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.		Cu.-N.	
Cu.	E	Cu.-N.	E	Cu.-N.	E	Cu.		Cu.		S.-Cu.	
Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
Cu.		Cu.		Cu.	E	N.-cf.	E	Cu.-N.		Cu.	
Cu.		Cu.	NE	Cu.	NE	Cu.		Cu.		S.-Cu.	
S.-Cu.	E	S.-Cu.	EbyN	S.-Cu.		S.-Cu.	ENE	S.-Cu.	ENE	S.-Cu.	
Cu.	E	Cu.	E	Cu.		Cu.		Cu.	E	Cu.	
Fr.-Cu.	E	Cu.	E	Cu.	E	Cu.-N.	E	Cu.-N.		Cu.	

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	Calm		SEbyS	0.5	Calm		Calm		SE	0.5	Calm	
2	Calm		Calm		Calm		Calm		Calm		Calm	
3	ENE	0.5	NE	.5	NE	0.5	NE	0.5	NE	.5	Calm	
4	Calm		Calm		Calm		Calm		Calm		Calm	
5	Calm		Calm		NE	.5	Calm		Calm		Calm	
6	Calm		Calm		SE	.5	Calm		Calm		Calm	
7	N	1	N	1	N	1.5	N	1	Calm		ESE	0.5
8	NE	1	NE	1	NNE	1	NNE	1	NE	1	Calm	
9	NE	.5	N	.5	NE	1	NE	.5	NE	.5	Calm	
10	Calm		Calm		Calm		Calm		Calm		Calm	
11	Calm		Calm		Calm		Calm		Calm		Calm	
12	Calm		Calm		Calm		E	1	NE	1	Calm	
13	Calm		Calm		NE	2	NE	1.5	NE	1	NNE	2
14	Calm		NE	.5	Calm		N	.5	N	1	Calm	
15	Calm		NE	1.5	N	1.5	NNW	1	NE	1	Calm	
16	Calm		SE	2	SE	1	SE	1	Calm		Calm	
17	Calm		Calm		Calm		Calm		Calm		Calm	
18	N	4	N	2.5	ENE	.5	Calm		Calm		Calm	
19	Calm		Calm		Calm		NNE	1.5	NNE	2	Calm	
20	Calm		Calm		Calm		Calm		Calm		Calm	
21	Calm		Calm		Calm		Calm		Calm		NW	1
22	Calm		E	.5	Calm		NE	.5	Calm		Calm	
23	SE	.5	Calm		Calm		Calm		Calm		Calm	
24	Calm		NE	1	NE	1	NNE	.5	NNE	1	Calm	
25	Calm		Calm		Calm		ESE	.5	SE	2.5	SE	3.5
26	NE	.5	NE	1.5	Calm		NE	.5	NE	1	Calm	
27	NNE	.5	Calm		Calm		Calm		Calm		Calm	
28	NNE	.5	NE	1	NE	1	ENE	.5	NE	1	Calm	
29	Calm		ESE	2	Calm		E	1	Calm		Calm	
30	Calm		NNE	1	NNE	1	NNE	.5	NNE	1	Calm	
31	Calm		Calm		Calm		Calm		Calm		Calm	
Mean		0.3		0.5		0.4		0.4		0.5		0.2

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	WSW	2	WSW	6.5	SW	7	WSW	4.5	WSW	3.5	WSW	3
2	Calm		NW	2	Calm		WNW	1.5	Calm		Calm	
3	WSW	1	WSW	3.5	WSW	1.5	Calm		Calm		Calm	
4	WNW	1.5	WNW	1.5	WNW	1.5	Calm		Calm		Calm	
5	WNW	1	NW	2	WNW	.5	WNW	1.5	SW	2.5	Calm	
6	WNW	2	WSW	2.5	SW	3	Calm		Calm		Calm	
7	Calm		W	2	ENE	3	NNE	.5	Calm		NE	.5
8	W	3	Calm		WNW	3.5	NW	2.5	Calm		Calm	
9	WSW	3	WSW	1.5	W	1	W	1	NNW	1.5	NE	2
10	SSW	1.5	WSW	.5	Calm		Calm		NNE	2.5	ENE	1
11	WNW	1	W	2	WSW	2	Calm		Calm		Calm	
12	WbyN	1.5	WNW	2	W	3	WSW	1	Calm		Calm	
13	Calm		Calm		Calm		Calm		Calm		Calm	
14	WSW	3	WSW	1	Calm		Calm		Calm		Calm	
15	WSW	2	ESE	1.5	Calm		Calm		SE	1.5	Calm	
16	SE	5	N	1	SE	1	Calm		Calm		Calm	
17	WNW	3	Calm		SE	.5	Calm		Calm		Calm	
18	Calm		Calm		Calm		Calm		NE	1.5	Calm	
19	NNE	1	NE	4.5	Calm		Calm		Calm		NNE	1.5
20	ENE	2	NE	2.5	Calm		NNE	2	Calm		Calm	
21	SW	2	NE	1.5	Calm		Calm		Calm		Calm	
22	WNW	1	W	1.5	W	.5	Calm		Calm		Calm	
23	Calm		Calm		W	1	Calm		Calm		Calm	
24	Calm		N	1.5	SEbyE	1	SE	3.5	SE	2	Calm	
25	Calm		Calm		NNW	2	Calm		Calm		Calm	
26	W	2.5	W	1.5	Calm		Calm		SSE	1	Calm	
27	WNW	3	W	3.5	W	2	Calm		SSE	.5	SSE	2.5
28	WNW	2	SW	3	W	2.5	NW	1	Calm		Calm	
29	W	1.5	Calm		Calm		Calm		SEbyS	1	SEbyS	1
30	WNW	1.5	WSW	3.5	Calm		Calm		Calm		NNE	2
31	SWbyW	2	WSW	2.5	WSW	2.5	Calm		NE	1	ENE	1.5
Mean		1.6		1.8		1.3		0.6		0.6		0.5

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
Calm		SE	0.5	SE	1.5	Calm		S	1	SW	1
Calm		Calm		Calm		Calm		Calm		Calm	
Calm		Calm		Calm		Calm		WSW	1.5	WSW	2
Calm		Calm		Calm		Calm		SW	1	NW	3
Calm		NE	2.5	N	2	Calm		WNW	3	WNW	2.5
Calm		Calm		Calm		Calm		Calm		Calm	
Calm		Calm		Calm		Calm		WSW	.5	SW	1.5
Calm		Calm		Calm		WNW	1.5	WbyS	1.5	WSW	1
Calm		Calm		Calm		Calm		W	2	W	2.5
Calm		Calm		Calm		Calm		WSW	1	WSW	1
Calm		Calm		Calm		WSW	.5	SSW	2.5	WSW	1.5
Calm		Calm		Calm		Calm		S	1	SW	2
Calm		Calm		Calm		Calm		Calm		Calm	
Calm		Calm		SSW	1	W	1	WNW	2	WSW	1
Calm		Calm		SSW	1	Calm		WNW	1	WSW	4
Calm		Calm		WNW	.5	Calm		SE	2	Calm	
Calm		Calm		Calm		Calm		Calm		WSW	1.5
Calm		Calm		Calm		NNE	.5	NE	1	NNE	2
NNE	2	NNE	3.5	NNE	4	N	3.5	NNE	1	NNE	2
Calm		Calm		Calm		W	2	W	1	Calm	
N	1	N	.5	N	2	Calm		W	1.5	SSW	1.5
Calm		NE	1	N	1	NW	1.5	WSW	1	NWbyW	1
EbyN	1.5	NNE	2	Calm		W	1.5	Calm		WbyN	3.5
NNW	2	Calm		Calm		WNW	2	Calm		WNW	2.5
SE	4.5	ESE	2	NE	4	ESE	1.5	ESE	.5	ESE	2
Calm		Calm		W	1.5	WSW	2	WNW	1.5	WNW	2
Calm		Calm		Calm		WNW	3	WNW	2	Calm	
Calm		Calm		Calm		SW	1.5	WbyN	1.5	W	4.5
Calm		Calm		NNW	1.5	W	2	W	2.5	W	1.5
NNE	.5	Calm		Calm		NW	1.5	WNW	3.5	WNW	4
Calm		NE	1	Calm		W	2	W	1	WSW	3.5
	0.4		0.4		0.6		0.9		1.2		1.8

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		Midnight.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
WSW	2.5	WSW	1	SW	0.5	WSW	0.5	Calm		Calm		1.5
Calm		Calm		SE	.5	SE	.5	ESE	0.5	Calm		.2
Calm		Calm		Calm		Calm		Calm		Calm		.5
Calm		SSW	.5	SSW	1.5	SSE	.5	NNE	1.5	Calm		.5
Calm		Calm		Calm		Calm		Calm		Calm		.8
Calm		ESE	1	Calm		Calm		ESE	1	NNE	1.5	.5
Calm		Calm		Calm		Calm		Calm		Calm		.5
NE	1	ENE	1.5	E	.5	Calm		Calm		Calm		.9
Calm		Calm		NE	.5	Calm		Calm		Calm		.8
Calm		Calm		Calm		Calm		Calm		Calm		.3
Calm		E	1	Calm		Calm		Calm		Calm		.4
Calm		Calm		Calm		NE	1	Calm		Calm		.6
Calm		Calm		Calm		NE	.5	NE	.5	E	.5	.3
Calm		Calm		NNW	8	NNW	3	Calm		NNW	.5	.9
SE	1.5	E	1.5	SE	.5	SE	1	SE	1	SE	1.5	1
Calm		Calm		Calm		Calm		NE	2	ENE	1	.7
Calm		ENE	.5	Calm		NNE	2	NE	.5	NE	1.5	.4
Calm		N	.5	N	1	N	1	NE	.5	NNE	.5	.6
Calm		ENE	2	E	1.5	Calm		Calm		Calm		1.2
Calm		Calm		Calm		Calm		ENE	.5	Calm		.4
E	1.5	E	1	E	.5	Calm		E	.5	Calm		.6
SE	1	SE	2	SE	1.5	Calm		SE	.5	Calm		.6
Calm		Calm		Calm		Calm		Calm		Calm		.4
ESE	1	ESE	1.5	ESE	1	SE	3	SE	1.5	SE	2	1.2
Calm		E	.5	ESE	.5	Calm		ENE	1	ENE	.5	1.1
Calm		ENE	1.5	E	.5	Calm		Calm		Calm		.7
SSE	2	SSE	1.5	SEbyS	1	SSE	1	Calm		SEbyS	.5	1
NEbyN	1.5	E	2	ESE	.5	Calm		Calm		SE	.5	1
SE	1	Calm		Calm		Calm		Calm		Calm		.6
Calm		E	.5	Calm		Calm		E	1	Calm		.9
Calm		Calm		Calm		Calm		Calm		ENE	1	.8
	0.4		0.6		0.6		0.5		0.4		0.4	0.7

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	5	5.5	6	6	5	5.5	4	6	6	7	6	6
2	1.5	.5	2	2.5	2	2.5	3	6	7	5	5	5
3	1.5	4	3	2.5	2	3	1.5	1	1.5	3	9.5	8.5
4	2	4	3.5	3.5	1	1	1	2	5.5	3.5	10	**14**
5	0	0	1	1	2	2	2	2.5	13.5	12	13.5	**18**
6	1	.5	1.5	3.5	2	2	.5	0	1	1	9	10
7	3	2.5	4.5	3	1	1	.5	1	2.5	3	7	9
8	4	4	5	6.5	3.5	5.5	2	1.5	10	7	13.5	13
9	.5	3.5	3	3.5	2.5	2	3	2.5	2	1.5	11	13
10	2	0	.5	2	0	2	.5	2	4.5	5.5	11	6
11	4	6	6	4	3	3	2	1	1	5	8.5	**11.5**
12	2	1	1.5	3	4.5	3	.5	1	1.5	2.5	7	6.5
13	.5	1	9	6.5	7.5	**10**	5.5	6	2.5	1	3.5	1.5
14	2	2.5	2	2	3.5	3	3	3.5	2	5	12	11
15	2.5	4.5	7.5	2	5	6.5	4	1.5	2.5	6	10	12
16	3.5	3	4	3	2	.5	1	4.5	2.5	4.5	11	13
17	1.5	0	0	2	.5	3	.5	.5	3.5	4	8.5	9
18	8.5	**15**	6	1.5	.5	0	3	6	6	10	13.5	9.5
19	2.5	.5	0	3	6	7	9	11.5	17.5	20	**21**	16.5
20	.5	0	0	0	.5	.5	2.5	6	8	5	11	6
21	.5	1	1	.5	.5	0	2.5	2.5	7	6	**8.5**	6.5
22	3	2.5	2	2.5	2.5	1.5	1.5	6.5	5	5	**12**	6.5
23	3	3	.5	1	.5	3	8	9	5	3	**10**	**10**
24	0	4	4	3.5	6.5	5.5	7.5	4.5	2.5	5	8	8
25	0	2	1.5	2	5.5	14.5	11.5	14	12	**16**	9	10
26	2	4.5	3	.5	3	4	2.5	1	3	6	11.5	11.5
27	1	0	0	.5	0	.5	0	.5	0	5.5	**12.5**	12
28	2.5	2.5	1	4	2.5	3	3	1.5	1	4	11.5	11
29	2.5	0	2	.5	.5	1	1	.5	4.5	9.5	**14**	10
30	0	1	5.5	2.5	2	3	2	2	4	5	13.5	14
31	1	1	1.5	1.5	.5	1	2	3	3	8	13	**13**
Mean	**2**	2.6	2.8	2.6	2.5	3.2	2.9	3.6	4.8	6	10.5	**10**

AMOUNT OF CLOUDS (0–10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	7	9	6	10	9	9	6	6	6	6	8	8	7.5	7 55
2	4	6	7	6	6	7	8	8	8	7	6	7	6.7	8 05
3	4	4	5	3	4	4	2	2	5	7	7	7	4.5	8 10
4	3	3	4	4	5	4	3	3	3	3	4	7	3.8	**10 35**
5	7	7	8	5	4	5	8	9	10	10	9	10	7.7	7 15
6	8	8	7	6	6	5	3	7	8	9	10	10	7.2	5 00
7	6	5	3	3	6	7	6	6	7	5	7	7	5.7	7 25
8	5	3	3	4	3	3	2	3	6	5	2	3	3.5	9 25
9	2	1	2	2	4	6	7	8	9	7	8	8	5.3	7 30
10	3	6	4	3	6	7	8	8	8	8	8	8	6.4	6 00
11	7	5	8	9	7	6	8	8	8	7	7	7	7.2	5 35
12	9	10	6	9	9	6	3	3	7	5	8	4	6.6	4 40
13	10	10	10	10	10	10	10	10	9	9	7	9	**9.5**	**0 00**
14	10	9	3	8	6	6	4	4	5	6	7	5	6.1	7 30
15	4	5	5	3	4	4	7	8	9	8	8	8	6.1	5 40
16	5	5	6	8	7	9	9	9	9	10	10	10	8.1	2 40
17	4	4	5	7	5	4	9	9	7	7	7	9	6.4	5 25
18	5	5	10	10	10	9	10	10	10	10	10	10	9.1	0 30
19	8	6	9	7	7	7	9	9	9	8	7	10	8	2 55
20	8	7	5	5	9	10	9	9	9	9	10	8	8.2	3 40
21	8	6	9	7	10	10	10	7	9	5	4	3	7.3	1 30
22	0	1	1	2	2	1	2	4	4	3	5	4	**2.4**	8 05
23	10	10	8	9	9	10	10	10	10	9	7	5	8.9	1 00
24	7	8	3	7	8	9	9	8	8	8	9	9	7.8	5 40
25	10	10	9	9	6	6	5	8	9	7	6	8	7.8	4 50
26	1	1	3	1	3	3	2	3	4	3	4	3	2.6	10 15
27	1	1	1	2	3	3	3	3	4	6	4	2	2.8	9 35
28	1	1	1	2	5	2	3	4	4	4	3	1	2.6	9 20
29	2	2	1	1	4	8	9	9	8	8	9	9	5.8	4 00
30	2	2	2	2	3	4	4	5	4	6	4	2	3.3	8 30
31	1	1	2	3	3	3	7	6	7	9	8	5	4.6	8 30
Total														187 10
Mean	5.2	5.2	**5**	5.4	5.9	6	6.3	6.6	**7.2**	6.9	6.9	6.6	6.1	6 02

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–Mdt.	Mean.
18	**21**	**21**	15.5	16.5	15	9	4	5	4	2.5	0.5	8.3
8	**12**	11	10.5	7.5	2.5	.5	1	2.5	1.5	3	2.5	4.4
14	**14**	13	7.5	**3.5**	4.5	6	2.5	1	1.5	2.5	1	4.7
14	11.5	10	12.5	9	10.5	6.5	3	11	8.5	3.5	4	6.5
16.5	15	13.5	12.5	14	8.5	7	1	1.5	0	1	.5	6.6
12	**15**	14	7.5	6.5	4.5	4.5	2.5	2.5	2	3	5	4.6
8.5	8.5	**22**	12	5	2.5	2	1.5	0	1	2	3	4.4
13.5	10	**16**	13.5	7.5	3	4	6.5	3	3	.5	1	6.5
15	13	11	11	8	10	10	4.5	2	1.5	1	0	5.6
12	9	8	4	10	11	7	6	4	5	0	4	4.8
10.5	8.5	9	4	1	6	5.5	7	5.5	0	1.5	1.5	4.8
12	**13.5**	11.5	9	4	2.5	.5	2	1	3.5	4.5	.5	4.1
2	2.5	4	.5	.5	.5	2	2.5	1	1.5	2.5	2.5	3.2
13	10	6	6	5.5	4	1.5	.5	18.5	**20.5**	4.5	3	6
14.5	13.5	9	9.5	9	8.5	7	8.5	5.5	5	8	4.5	6.9
12	**15**	9.5	7	4	4	3	0	1	2	4.5	4.5	5
10.5	9	4	5.5	6	4	3	4.5	2	9.5	5	2.5	4.1
10.5	5	4	5.5	9	8.5	2	3	2	4.5	4	3	5.9
18.5	**21**	13.5	10	3.5	6	8.5	7.5	6	2	2	1	**8.9**
6	**17**	10	9	7.5	5	2.5	2	4	1	2	2.5	4.5
5.5	4.5	4	5.5	2.5	6	5.5	4	3.5	2	2	1.5	3.5
6	8	8.5	9	4.5	3	3	5	6	4	3	3	4.7
10	2.5	5.5	4.5	2.5	0	0	0	1	0	1	1	3.5
7.5	7	7.5	12	**13**	8.5	5	5.5	3	6.5	8	6.5	6.2
7	9	**16**	4.5	4.5	1	.5	2	2.5	3	3	2.5	6.4
13	11	8	3.5	1	1.5	1	4	4	.5	0	.5	4.2
12	10.5	8.5	3.5	3.5	5	9	5	6	6	3.5	1.5	4.4
15	10.5	8.5	1	.5	.5	2.5	7	1	1.5	2.5	4	4.2
8.5	2	.5	0	1	.5	2.5	1	0	0	0	0	**2.6**
14.5	12	6.5	4.5	3.5	6	4.5	.5	3	0	1	2	4.7
14	**14**	13	5.5	5.5	13	4	.5	3	2.5	2	1	5.3
11.4	10.8	9.9	7.3	5.8	**5.4**	4.2	3.4	3.6	3.3	2.7	2.3	5.1

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW.	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1							3	1	1		3	8					8	200	3.4	
2						1	2							1	1		19	104.5	3.4	
3			4	1								5					14	112	3	
4		1						1		2	1			3	1		15	155	3.8	
5	1		2								1			5	1		14	158.5	3.1	
6		1				2	1				1	1		1			17	111	2.8	
7	4	1	1	1		1					1	1	1				13	106	2.4	
8		2	4	1	1							1	2	2	1		10	157	3.1	
9	1		6									2	4			1	10	135	3.8	
10		1		1						1		3					18	116	3.4	
11					1					1		3	1	1			17	115	3.1	
12			2		1				1		1	1	1	2			15	98.5	2.1	0.3
13		1	5		1												17	76.5	.8	3.1
14	2		1							1		3	1	1		3	12	144.5	3.2	
15	1		2		1	1	6			1		2		1		1	8	166.5	3	
16	1		1	1			6							1			14	119	1.9	
17		1	2	1			1					1		1			17	98.5	2.1	1.8
18	5	3	3	1													12	140.5	1.1	.4
19	1	9	1	1	1												11	214	3.3	.3
20		1	1	2									2				18	108.5	3.5	
21	3		1		4					1	1		1		1		12	83	2.4	
22	1		2		1		4					1	2	1	2		10	113.5	2.8	
23		1			1		1						2	1			18	84	.9	3.8
24	1	2	2			3	6							2		1	7	149	2.5	
25			1	2	1	6	3									1	10	153.5	2.6	
26			4	1	1	1						1	3	2			11	100.5	3.7	
27		1						7					2	3			11	106.5	3.8	
28		1	4	1	1	1	1				2		2	2	1		8	102	3.5	
29					1	1	1	2					4		1		14	62	3.1	
30		6			2							1		3	1		11	112.5	3.4	
31			2	2								4	2				14	126.5	4.3	
Total	21	32	51	16	18	17	35	11	2	7	11	38	30	33	10	7	405	3,829.5	89.3	9.7
Mean	0.7	1	1.6	0.5	0.6	0.5	1.1	0.4	0.1	0.2	0.4	1.2	1	1.1	0.3	0.2	13.1	123.5	2.9	0.3

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°C.		*Per cent.*	*mm.*	*mm.*		°C.		*Per cent.*	*mm.*
1	**759.55**	10. 50p.	32. 7	3. 25p.	94	23. 5	**756.55**	2. 45p.	23. 8	6. 00a.	66	19. 9
2	61. 30	9. 45p.	33. 4	1. 50p.	97	23. 1	58. 85	1. 00a.	23. 4	5. 00a.	**55**	19. 4
3	61. 49	9. 00a.	32. 9	3. 35p.	95	22. 7	58. 35	3. 05p.	22. 1	6. 00a.	59	18. 7
4	60. 10	0. 05a.	33. 1	3. 35p.	96	23. 5	57. 10	3. 45p.	23	5. 45a.	62	20. 1
5	60. 05	9. 10a.	32. 3	3. 05p.	97	**24. 4**	57. 25	3. 00p.	23. 5	6. 00a.	65	20. 7
6	60. 90	10. 00p.	32. 9	2. 10p.	97	23. 3	57. 65	2. 35p.	**24. 3**	11. 55a.	60	20. 9
7	61. 05	9. 45a.	32. 9	1. 20p.	**98**	24. 1	58. 60	3. 25p.	22. 7	5. 55a.	68	20. 4
8	61. 90	8. 55a.	32. 5	2. 50p.	93	21. 7	59. 30	3. 15p.	21. 5	5. 30a.	62	18. 5
9	61. 89	10. 00a.	33. 2	1. 30p.	95	21. 8	59	5. 15p.	21. 4	5. 50a.	62	18
10	61. 57	8. 00a.	33. 4	11. 35a.	92	23. 4	58. 68	5. 00p.	23. 2	5. 45a.	63	18. 1
11	60. 59	9. 00a.	33	3. 25p.	93	23. 1	59. 70	3. 20p.	22. 1	5. 45a.	65	18. 4
12	60. 40	9. 20a.	32. 7	2. 35p.	93	23. 6	57. 55	3. 10p.	23. 4	5. 55a.	63	19. 9
13	60. 46	9. 00a.	29. 8	3. 55p.	97	23. 6	57. 65	2. 25p.	23. 7	6. 10a.	78	**21**
14	60. 95	9. 40p.	**33. 5**	3. 15p.	94	24. 3	57. 45	3. 15p.	22. 8	12m. n.	64	18
15	60. 65	9. 05a.	31. 7	1. 10p.	93	23. 7	57. 65	2. 30p.	22. 2	3. 45a.	73	18. 4
16	60. 70	9. 00a.	31. 3	11. 35a.	95	24	57. 90	3. 15p.	23. 2	6. 05a.	72	20. 1
17	61. 65	8. 40a.	32. 9	1. 05p.	96	23. 7	58. 10	3. 05p.	22. 4	6. 05a.	70	19. 6
18	62. 60	9. 15a.	**29. 7**	10. 10a.	94	21. 5	60. 15	3. 00p.	23	5. 25a.	69	19
19	61. 97	9. 00a.	32	11. 30a.	94	21. 4	59. 05	3. 10p.	21. 8	4. 40a.	65	18. 4
20	61. 45	10. 00p.	32. 2	0. 20p.	93	**20**	58. 35	2. 30p.	20. 7	4. 35a.	61	17. 9
21	62. 25	10. 45p.	31. 5	1. 25p.	92	20. 3	59. 11	3. 00p.	21. 6	11. 55p.	64	**17**
22	62. 70	10. 00a.	31. 3	3. 05p.	93	20. 6	60. 40	3. 15p.	**19. 9**	6. 10a.	63	**16**
23	63. 19	9. 00a.	30. 2	11. 55a.	96	21. 1	60. 70	4. 10p.	21. 3	1. 25a.	70	17. 1
24	62. 90	9. 20a.	31. 1	1. 50p.	95	21. 6	59. 95	2. 45p.	20. 8	2. 40a.	69	17. 7
25	63. 40	9. 45a.	32. 3	1. 55p.	93	21. 9	60. 20	4. 15p.	22. 3	11. 55p.	65	18. 5
26	62. 98	9. 00a.	32. 4	2. 40p.	90	20. 6	60. 10	2. 20p.	20. 1	5. 55a.	57	16. 3
27	63. 05	8. 35a.	32. 5	3. 10p.	92	20. 9	60. 10	3. 30p.	20. 7	6. 20a.	58. 5	17. 1
28	**63. 85**	9. 10a.	32. 2	2. 35p.	87	20. 4	**60. 85**	3. 00p.	20	5. 45a.	58	16. 1
29	63. 25	9. 15a.	31. 1	0. 35p.	87	21. 7	60. 55	3. 05p.	20. 8	5. 25a.	63	16. 1
30	63. 30	9. 20a.	32. 8	2. 35p.	91	21	60. 40	3. 25p.	21. 5	6. 05a.	62	17. 6
31	62. 15	8. 45a.	32. 6	3. 05p.	94	22. 2	59. 18	3. 00p.	20. 7	5. 40a.	64	17. 3
Mean	761. 75	.....	32. 2	.....	93. 7	22. 3	758. 92	.....	22. 1	.....	64. 4	18. 5

DAILY GENERAL REMARKS.

1____Somewhat gusty SWly winds in the afternoon.
2____Convergence of Ci. toward NNW in the forenoon; coloration of clouds, ◟ N quadrant in the evening.
3____◸ E in the afternoon.
4____Coloration of clouds at sunset.
5____Convergence of Ci. toward SE in the morning and afternoon; coloration of clouds at sunset.
6____Overcast in general.
7____◸ NE quadrant in the afternoon.
8____┐° NW in the afternoon.
9____Coloration of upper clouds at sunset.
10____Coloration of clouds, ◟ NW in the evening.
11____◟ NW quadrant in the evening.
12____d in the forenoon; ◟ NNW in the evening.
13____● in the morning; coloration of upper clouds at sunset.
14____Ω early in the morning; ◠ in the morning and afternoon; ◸ E, convergence of Ci. toward NNE in the afternoon.
15____Ω² early in the morning; ◸ E quadrant in the afternoon; coloration of clouds, ◟ NNW in the evening.
16____◸ N quadrant in the forenoon.
17____●, ◸ NE quadrant in the afternoon; coloration of clouds at sunset.
18____d° in the forenoon and afternoon.
19____d in the early morning and afternoon.
20____Coloration of clouds at sunrise.
21____Overcast in general.
22____Fair weather.
23____d° in the morning; ● in the afternoon.
24____d°, ◠² in the afternoon.
25____d° in the morning.
26____Fair weather.
27____As yesterday.
28____As the preceding days.
29____Cloudy weather.
30____Do.
31____Do.

OBSERVATIONS FOR NOVEMBER, 1911.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1a.	2a.	3a.	4a.	5a.	6a.	7a.	8a.	9a.	10a.	11a.	Noon.
1	61.05	60.65	60.50	60.55	60.75	61.09	61.32	61.77	**61.85**	61.61	61.09	60.33
2	61	60.65	60.45	60.55	60.80	61.14	61.60	62.04	**62.27**	61.94	61.34	60.53
3	61.25	60.90	60.65	60.60	60.85	61.08	61.45	61.94	**61.97**	61.74	61.07	61.41
4	60.75	60.55	60.15	60	60.20	60.63	61.10	**61.64**	61.52	61.25	60.48	59.77
5	59.35	59.10	58.85	58.25	58.70	59.03	59.35	59.81	**60.02**	59.57	58.96	58.35
6	58.50	58.25	57.70	57.50	57.65	57.95	58.41	58.73	**58.97**	58.70	58.16	57.45
7	57.90	57.60	57.50	57.50	57.45	58.52	58.70	59.39	59.59	59.10	58.94	58.30
8	60	59.70	59.65	59.95	60.25	60.62	61.20	61.69	61.90	61.92	61.62	60.99
9	62.15	62.10	62.10	62.15	62.25	62.81	63.24	63.56	**63.73**	63.55	63.04	62.22
10	63.20	63	62.85	62.90	63	63.34	63.60	63.92	**64.09**	63.83	63.20	62.87
11	62.70	62.20	62.10	62.20	62.55	62.79	63.21	63.63	**63.83**	63.53	62.83	62.38
12	62.65	62.30	62.05	62.10	62.20	62.54	62.79	63.05	**63.09**	62.75	62.24	61.55
13	62.10	61.80	61.55	61.70	61.90	62.21	62.70	62.94	**62.99**	62.77	62.15	61.72
14	61.85	61.55	61.10	61.15	61.35	61.66	62.09	62.28	62.59	62.13	61.57	61.01
15	61.95	61.45	60.95	61	61.05	61.25	61.80	61.88	**61.99**	61.94	61.40	60.52
16	60.95	60.50	60.15	60.20	60.25	60.66	61.15	61.62	61.84	61.49	60.82	60.28
17	61.45	61.05	60.45	60.40	60.55	61.05	61.45	61.74	**61.82**	61.24	60.92	60.31
18	60.70	60.45	60.30	60.40	60.40	60.57	60.99	61.40	61.59	61.69	61.02	60.93
19	61	60.60	60.15	60.20	60.40	60.73	61.29	61.74	**61.79**	61.52	60.92	60.48
20	60.30	59.85	59.60	59.50	59.80	59.90	60.10	60.29	**60.63**	60.20	59.89	59.19
21	59.40	59.05	58.80	58.85	58.90	59.19	59.55	**59.85**	59.74	59.57	59.02	58.24
22	59.15	58.95	58.90	58.65	58.65	59.09	59.79	60.32	60.27	60.01	59.49	58.62
23	58.75	58.55	58.50	58.65	58.75	59.06	59.55	**60.05**	60.01	59.91	59.55	58.90
24	58.90	58.80	58.80	58.85	59.10	59.67	60.30	60.94	60.93	60.72	60.19	59.58
25	60.45	60.20	60.10	60.20	60.55	60.98	61.10	61.74	**61.79**	61.64	61.21	60.67
26	60.90	60.75	60.70	60.90	61.10	61.56	62.33	**62.63**	62.52	62.24	61.80	60.98
27	61.60	61.60	61.45	61.50	61.60	62.06	62.54	**62.96**	**62.96**	62.63	62.08	61.24
28	61.65	61.40	61.45	61.60	61.55	61.89	62.20	62.92	**62.95**	62.48	61.82	61.04
29	62.20	62.05	61.95	61.95	62.10	62.39	62.60	62.71	**62.86**	62.47	62.03	61.57
30	61.70	61.40	61.20	61.40	61.60	61.91	62.30	62.70	**62.71**	62.49	62.05	61.39
Mean	60.85	60.57	60.36	60.38	60.54	60.91	61.33	61.73	**61.83**	61.55	61.03	60.39

TEMPERATURE (°C.).

Day.	1a.	2a.	3a.	4a.	5a.	6a.	7a.	8a.	9a.	10a.	11a.	Noon.
1	22.8	22.6	**22.1**	22.2	22.7	22.7	24.5	28.2	28.6	30.2	29.6	29.1
2	21.9	21.9	20.9	**20.7**	20.9	20.8	22.5	26.8	28	29.5	31	31.4
3	22.2	**21.9**	22.3	22.3	22.5	22.6	24.8	27.5	29.3	29.6	29.4	30.5
4	22.7	22.4	22.1	21.7	21.4	**21.2**	22.5	25.3	27.5	28.2	28.8	28.9
5	21.3	21	20.5	20	19.9	**19.4**	21.1	25	27.2	28.5	28.2	28.7
6	21.1	20.6	20.8	20.8	20.6	**19.6**	21.7	25.2	26.4	28.5	28.4	29.5
7	22.9	23.1	23.1	22.5	22.2	**21.7**	23.2	25.7	26.9	28.1	29.3	**30**
8	24.3	25	24.8	24.5	23.7	**22.8**	23.5	25.5	27.4	26.4	27.5	28.4
9	22.8	22.5	22.7	22.1	21.8	**21.6**	22.5	25.4	27.8	27.6	28.1	28.8
10	23.4	23	22.7	**22.2**	22.4	22.4	23.8	25.5	28.3	27	27.8	28.5
11	22.8	21.7	20.9	20.2	20.1	20	22.1	25	27.3	28.4	27.9	**28.7**
12	19.2	19.1	18.9	18.5	**18.2**	18.6	20.7	23.8	27.5	27.8	28.3	29.5
13	20.3	19.6	19.5	19.5	19.4	**19.2**	20.6	25	28.4	29.5	**30.7**	30
14	21.6	21.1	20.6	20.6	**20.1**	**20.1**	21.7	26.3	29.6	28.7	29.3	27.6
15	20.6	19.9	19.6	19.5	19.3	**19.1**	20.6	25.7	27.2	29.3	29.7	29.3
16	22.5	22.3	22.1	**21.9**	**21.9**	22.1	23.6	26.7	28	30.7	31.6	32.1
17	22.4	21.9	21.5	21.4	21.1	**21**	22.2	26.5	29.6	30.8	30.2	**31**
18	23.7	23.6	23.5	23.3	23.1	23	23.1	26	28.4	29	30	28.3
19	23.1	23.1	23.6	23.5	22.9	22.6	23.2	27	28.4	29.4	29.3	28.8
20	21.2	20.8	20.5	**20.4**	21	21.1	22.2	25.6	28.6	29.4	28.7	29.5
21	22.4	22.1	21.9	22.1	22	**21.8**	22.7	26.9	29.2	29.3	30.6	31.5
22	21.8	21.5	21.3	21.1	**20.6**	**20.6**	21.4	25.4	28.1	28.9	28.3	29.9
23	21.7	21.2	20.8	20.7	20.7	**20.1**	21.1	26.1	28.4	27.8	28.3	29
24	23.6	22.8	21.9	21.4	20.9	**20.7**	21.3	25	27.6	28.1	28.9	29.3
25	23.4	22.7	22.7	22.2	21.6	**21.4**	22	25.5	28.4	29.3	29.9	30.2
26	21.8	21	20.6	20.7	**20.3**	**20.3**	21.4	24.3	28	28.3	28.3	29.1
27	22	21	20.4	19.9	19.7	**19.4**	20	24.4	26.5	27.5	28.4	28.3
28	19.9	19.4	18.9	19.5	19.2	**18.7**	19.8	24	27.3	28.3	29	29.3
29	19.4	18.4	**17.7**	18.8	18.3	18.6	18.9	24.9	27.2	28.8	28.8	29.2
30	18.1	17.7	17.6	**17.2**	17.6	17.3	18.4	23.7	26.9	27.7	28.1	29.3
Mean	21.9	21.5	21.2	21	20.9	**20.7**	21.9	25.6	27.9	28.7	29.1	29.5

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
59.61	59.02	**58.73**	58.75	58.92	59.23	60.21	60.75	61.30	61.50	61.50	61.35	60.56
59.72	59.21	**59**	59.27	60.02	60.57	61.03	61.60	61.90	61.90	61.85	61.50	60.91
59.42	58.95	**58.80**	59.17	59.55	59.88	60.48	60.70	61.10	61.25	61.35	61	60.65
59.12	58.37	**58.32**	58.33	58.38	58.75	59.20	59.65	59.80	59.85	59.70	59.55	59.88
57.55	56.90	**56.72**	56.74	56.87	57.18	57.35	58.15	58.65	58.80	58.85	58.80	58.41
56.88	56.24	**56.17**	56.29	56.35	56.70	57.33	58	58.15	58.55	58.45	58.30	**57.72**
57.75	**57.19**	57.24	57.67	58.03	58.34	58.97	59.70	60.25	60.45	60.10	60.10	58.60
60.14	59.77	**59.56**	59.71	60.05	60.49	61.14	61.65	62	62.05	62.20	**62.25**	60.85
61.59	61.02	**60.83**	61.06	61.53	61.84	62.49	62.80	63.10	63.25	63.50	63.55	62.48
62.08	61.59	**61.27**	61.32	61.56	61.98	62.32	62.85	63.15	63.25	63.10	62.95	**62.80**
61.70	61.48	**61.10**	61.23	61.59	61.93	62.47	62.70	62.90	62.95	63	62.85	62.49
60.84	60.38	**60.34**	60.67	66.89	61.37	62.10	62.60	62.75	62.80	62.70	62.45	62.05
60.97	60.66	**60.39**	**60.39**	60.65	60.94	61.55	62.15	62.50	62.60	62.50	62.30	61.84
60.49	**60.07**	60.27	60.69	60.80	61.42	61.72	62.50	62.80	**62.90**	62.80	62.55	61.64
59.83	59.36	**59.16**	59.70	60.14	60.29	60.77	61.35	61.45	61.75	61.65	61.25	61
59.53	**59.13**	**59.13**	59.43	59.75	60.18	60.77	61.45	61.85	61.95	**62.10**	61.75	60.71
59.62	59.26	59.04	**58.97**	59.20	59.63	60.11	60.65	61	61.05	61.15	60.85	60.54
60.02	59.50	**59.29**	59.54	59.84	60.18	60.88	61.40	**61.70**	61.60	61.35	61.25	60.71
59.72	59.30	**59.14**	59.39	59.59	59.84	60.60	61.10	61.15	61.05	60.90	60.80	60.56
58.40	58.04	**57.94**	58.06	58.47	58.78	59.45	59.90	60.05	60.05	60.10	59.85	59.51
57.37	**56.86**	56.90	57.04	57.25	57.73	58.25	58.70	58.95	59.25	59.25	59.25	58.62
57.84	57.21	**56.74**	56.82	57	57.56	58.08	58.45	58.75	59	58.95	58.95	58.64
58.08	57.46	57.27	**57.22**	57.44	57.78	58.10	58.80	59.10	59.15	59.05	59.15	58.70
58.78	58.12	**58.01**	58.09	58.57	59.14	59.87	60.25	60.80	**60.95**	60.80	60.55	59.61
59.82	59.25	58.78	**58.76**	59.14	59.66	60.35	60.90	61.10	60.95	61	60.95	60.47
59.89	59.49	**59.27**	59.49	59.82	60.33	61.05	61.50	61.65	61.70	61.70	61.65	61.08
60.49	59.83	**59.71**	59.73	59.85	60.46	61.18	61.55	61.75	62	61.85	61.65	61.43
60.37	60.07	**59.87**	59.93	60.47	60.78	61.29	61.90	62.30	62.80	62.65	62.65	61.58
60.58	59.89	**59.74**	60.02	60.50	60.97	61.29	61.85	62.20	62.20	62.05	62	61.67
60.47	59.95	**59.78**	60.08	60.54	60.87	61.05	61.35	61.55	61.50	61.40	61.35	61.36
59.62	59.12	**58.95**	59.12	59.43	59.83	60.38	60.90	61.19	61.30	61.25	61.11	60.57

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
29.7	30.2	**30.6**	30.4	28.1	26	25.4	23.8	23.2	22.9	22.7	22.4	25.9
31.8	31.6	31.4	30.4	28.3	26.5	25.4	24.6	23.8	23.8	23.2	22.7	25.8
31.7	31.6	31.6	30.3	28	26.3	25.3	24.6	24.5	24.1	23.8	23.4	**26.3**
30	29.7	29	29.2	27.3	25.6	23.7	23.4	22.9	22.6	22.3	22.1	25
28.8	29.3	**30**	29.2	27.1	24.6	23.6	23	24.3	23.5	22.3	21.6	24.5
30.3	**30.3**	29.3	28.7	27.2	26.6	26.6	26.8	25.8	24.5	23.6	23.1	25.2
29.6	29.5	29.2	28.8	27.7	27	26.3	25.3	25	23.9	23.4	23.2	25.7
28.1	28.8	**29.3**	28.7	37.8	26.7	26.2	25.6	25.2	25.1	24.5	23.2	26
29.9	30.1	**30.6**	29.5	27.2	25.5	24.6	24.3	23.8	23.5	23.8	23.6	25.4
29.3	29.6	**30.5**	28.2	27	24.8	23.9	23.4	23	23.7	23.7	22.9	25.3
28.7	27.2	27.1	27.8	25.9	24 8	23.4	21.8	21.2	20.8	20	**19.5**	23.9
30.9	**31.2**	30.8	28.7	27	25.5	24.4	23.2	22.8	21.4	20.5	20.4	24
29.8	29.5	30	29.6	27.3	25.6	24.6	23.7	23	21.9	21.9	22	**24.6**
29.6	28.7	28.4	26.9	26.7	24.6	24.3	22.7	22.2	21.7	21.6	20.8	24.4
28.8	30.1	**30.9**	27.8	26.7	25.8	24.9	24.1	23.4	23.1	22.8	22.6	24.6
32.6	31.9	31.2	30.5	28.2	26.6	25.7	24.8	24	23.3	23.1	22.5	26.2
30.7	30.6	28.3	29.6	27.3	26.1	25.3	24.9	24.6	24.4	24.1	23.7	25.8
30.4	29.5	29.4	28.9	**27.5**	26.4	25.8	25.7	24.3	23.2	**22.8**	**22.8**	25.9
30.4	27.8	29.9	29.8	**27.7**	25.6	24.7	23.6	23.1	22.7	21.8	**21.5**	25.6
29.9	29.1	29.9	**30.7**	**28**	26.5	25.1	24.5	23.9	23.6	23.1	22.9	25.3
31.2	**32.6**	31.9	29.1	27.6	25.9	25.1	24.1	23.3	23.2	22.6	22.3	25.9
29.9	30.7	**30.8**	30.2	28.2	27	25.7	25	24.4	23.4	22.8	22.4	25.4
30	**30.9**	30.8	30	28.5	26.9	26.4	25.8	25.6	24.8	24.5	23.9	25.6
29.9	30.5	**30.8**	29.9	28.1	26	25.8	25.2	24.8	24.3	24.2	24.2	25.6
30.8	31.5	**31.7**	31	28.1	26.3	25	23.9	23.7	23.1	23.1	22.7	25.8
30.7	29.8	30.5	30.2	28	25.9	24.8	24.1	23.5	23.5	23.2	23.1	25.1
29.4	**31**	30.6	28.9	27.5	26.2	24.7	23.7	22.4	21.6	20.9	20.1	24.4
28.9	**30**	**30**	29.5	27.3	25.8	25.2	23.9	22.4	21.3	20.5	20.3	24.1
30.1	30.6	**31.2**	30.1	26.8	24.1	22.4	21.2	20.1	19.5	19.1	19.3	23.5
29.7	29.7	**30**	29.5	27	25.4	23.6	22.9	21.8	21	20.3	20.2	**23.4**
30.1	30.1	**30.2**	29.4	27.5	25.9	24.9	24.1	23.5	23	22.5	22.2	25.1

RELATIVE HUMIDITY (%).

Day.	1a.	2a.	3a.	4a.	5a.	6a.	7a.	8a.	9a.	10a.	11a.	Noon.
1	92	92	**95**	92	90	89	84	73	73	67	71	74
2	88	88	88	88	88	**89**	87	69	60	60	50.5	47.5
3	88	**89**	88	87	88	87	83	73	64	64	69	62
4	84	86	87	87	**89**	88	**89**	74	66	60	58	58
5	84	85	88	90	89	90	**92**	70	59	53	56	53
6	80	82	82	82	81	87	83	62	62	57	62	54
7	**90**	89	88	88	88	**90**	88	81	75	70	63	**62**
8	88	87.5	88	89	90	**93**	90	80	78	74	75	73
9	89	89	90	91	92	**93**	92	80	73.5	70	68	69
10	85	89	89	**90**	89	89	86	75	65	70	66	64
11	76	81	83	90	**91**	**91**	86	73	66	62	59	**55**
12	92	92	**94**	93	**94**	90	88	75	64	63	59	58
13	91	**95**	**95**	94	93	94	91	76	63	58	53	54
14	90	89	92	92	**93**	**93**	89	72	61	62	**59**	66.5
15	89	91	94	92	90	93	91	71.5	68	61	58	62
16	95	**96**	95	**96**	**96**	**96**	90.5	79	69	54	**48**	50
17	84	84	85.5	85	87	87	86	70.5	60	**49**	53	50
18	94	95	95	96	**97**	**97**	**97**	84	71	66	**59**	62
19	90	91	90	90	92	92	**93**	73	62	59	66	73
20	89	**91**	**91**	**91**	88	89	88	71	64	59	61	59
21	89	89	90	91	93	**94**	91	77	63	64	62	57
22	90	92	91	90	**93.5**	**93.5**	93	77	65	61	68	63.5
23	90	87	90	90	89	**91**	**91**	74	69	66	66	62
24	84	89	89	88	91	91	**92**	76	71	67	64	62
25	90	93	94	**96**	95	95	94	79	65	60.5	65	65.5
26	86	88	87	89	90	**91**	90	78	65	65	66	65.5
27	89	89	91	92	93	**95**	**95**	80	75	70	64	65
28	89	**91**	88	86	88	**91**	83	74	68	63	59	60.5
29	83	84	**88**	80	84	85	86	69	59	56	56	55
30	84	86	88	89	91	**93**	**93**	75	67	67	63	58
Mean	87.7	89	89.8	89.8	90.4	**91.2**	89.4	74.7	66.4	62.6	61.6	60.7

VAPOR PRESSURE (mm).

Day.	1a.	2a.	3a.	4a.	5a.	6a.	7a.	8a.	9a.	10a.	11a.	Noon.
1	19	18.7	18.7	18.3	18.5	18.3	19.2	20.8	21.3	21.3	21.9	22
2	17.3	17.3	16.2	16	16.2	16.2	17.6	18	16.9	**18.4**	16.9	16.2
3	17.4	17.4	17.5	17.4	17.7	17.7	19.2	20	19.5	19.7	**21**	20.2
4	17.3	17.3	17.1	16.9	16.9	16.5	**18.1**	17.8	17.9	16.9	16.9	17.3
5	15.9	15.8	15.8	15.6	15.3	15.1	**17.1**	16.4	15.7	15.3	15.8	15.5
6	14.9	14.9	14.9	14.9	**14.6**	14.7	16	14.9	15.9	16.5	17.7	16.5
7	18.7	18.6	18.4	17.7	17.6	**17.4**	18.6	19.8	19.6	19.7	19.1	19.7
8	19.9	20.6	20.5	20.3	19.5	19.2	19.3	19.4	**21.3**	19	20.4	21
9	18.3	18.1	18.5	18	**17.8**	**17.8**	18.6	19.4	20.4	19.4	19.3	20.2
10	18.2	18.5	18.3	17.9	18	18	18.9	18.2	18.5	18.4	18.3	18.6
11	15.7	15.7	15.3	15.8	15.8	15.9	17	17.3	**17.9**	**17.9**	16.4	16.1
12	15.3	15.2	15.3	14.7	14.6	**14.4**	16	16.4	17.5	**17.6**	16.9	**17.6**
13	16	16.1	16	15.9	**15.6**	**15.6**	16.5	17.8	**18.1**	17.6	17.4	16.9
14	17.3	16.6	16.7	16.7	16.3	16.3	17.2	18.3	18.9	18.1	17.8	18.2
15	16	15.8	16	15.6	**15**	15.3	16.5	17.5	18.1	18.5	18.1	18.7
16	19.2	19.1	18.7	18.7	18.7	19.1	19.6	**20.5**	19.3	17.7	16.7	17.7
17	17	16.4	16.3	16.2	16.2	**16.1**	17.1	18.1	18.5	16.2	16.8	16.7
18	20.5	20.5	20.4	20.3	20.3	20.2	20.3	**21**	20.4	19.7	18.5	17.8
19	18.8	19.1	19.4	19.5	19.1	18.7	19.7	19.3	17.7	18.1	20.1	**21.6**
20	16.7	16.6	**16.3**	**16.3**	**16.3**	16.6	17.4	17.2	18.6	18.1	17.7	18
21	18	17.6	17.6	18	18.2	18.2	18.7	**20.4**	19	19.3	20.3	19.7
22	17.5	17.5	17.1	**16.7**	16.9	16.9	17.6	18.5	18.3	18	19.5	**19.9**
23	17.4	16.3	16.4	16.3	16.1	**15.8**	16.9	18.6	19.9	18.3	18.8	18.5
24	18.1	18.3	17.4	16.7	16.7	**16.5**	17.3	17.8	19.6	18.9	18.9	18.7
25	19.3	19	19.2	19	18.1	18.1	18.4	19.1	18.7	18.3	20.3	**20.9**
26	16.6	16.3	**15.7**	16.1	15.9	16	17	17.7	18.3	18.5	18.8	19.6
27	17.5	16.5	16.3	16	15.9	15.9	16.6	18.2	19.3	19	18.5	18.5
28	15.3	15.3	14.4	14.4	14.6	14.6	**14.3**	16.3	**18.4**	18	17.6	18.3
29	13.9	13.3	13.3	12.9	13.2	13.6	14	16.1	15.7	**16.6**	**16.6**	16.5
30	**13**	**13**	13.2	**13**	13.6	13.6	14.6	16.3	17.5	**18.5**	17.9	17.5
Mean	17.2	17	16.9	16.7	**16.6**	**16.6**	17.5	18.2	**18.6**	18.2	18.4	18.5

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
73	71	68	**65**	75	75	71	78	80	83	87	87	79.4
50	**45**	48	51	58	66.5	72	75	79	78	82	85	70.5
51	**47**	51	55	63	67.5	73	75	77	79	81	82	72.6
57	**55**	59	58.5	63	66.5	76	75	78	79	81	82	73.2
52	51	**46**	52	61	71	73	75	68	72	76	79	70.2
52	55	62	64	70	72	76	75	79	83	89	**90**	72.5
67	64	66	67	68.5	73	78	80	79	83	85	86	77.9
74	**69**	70	70	71	77	76	76	77	78	80	86	79.6
63.5	65	**63**	64	70	77	80	81	83	84	84	85	79
62	61	59	**58**	60.5	68	70	72	75	72	72	77	73.5
58	61	61	56	61	66	72	81	82	83	88	89	73.8
50	**47**	48	52	58	63	68	75	77	84	90	90	73.5
55	54	**51**	**51**	66	70	76	80	83	88	88	88	75.3
62	61	65	70	62	72	73	81	84	87	85	91	77.1
62	59	**57**	70.5	77	82	87	89	91	92	94	**95**	**79.8**
49	51	52	50	59	67	69	73	77.5	80	80	84	73.2
54	57	64	61	71	79	83	86	87	90	91	**94**	74.9
61	64	63	60	67	69	75	74	81	87	88	88	78.8
66	74	62	**57**	66	78	80	86	84	86	88	91	78.7
57	64	63.5	**56**	65	70	75	79	82	82	85	87	75.3
55	**50**	53	60	66.5	74	75	78	83	84	88	88	75.6
61	**59**	60	60.5	63	70	74	76	74.5	82	86	85	76.2
62	**58**	62	65	66	73	74	78	79	81	82	83	76.2
58	**56**	57	62	73	81.5	78	83	82	85	85	86	77.1
62	60	57	**53**	60	66	72	75	77	88	84	86	76.3
60	63	61	**54**	61	69	77	81.5	82	82	84	85	75.8
62	59	**54**	61	61.5	67	73	76.5	81	80	86	88	77
60	58	**55**	59	65.5	71	74	77	81.5	82	81	81	74.4
51.5	48	**46**	50	49	58	62	68	73	77	80	79	**67.8**
57	56	**55**	58	61	67	76	77	80	86	87	88	75.1
58.8	58.1	**58**	59	64.6	70.9	74.6	77.9	79.9	82.6	84.6	86.2	75.3

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
22.7	**22.8**	22.1	21	21.2	18.7	17.2	17.1	**17**	17.1	17.8	17.5	19.6
17.5	**15.6**	16.5	16.5	16.7	17.1	17.4	17.3	17.3	17.1	17.3	17.5	17
17.8	**16.1**	17.7	17.7	17.6	17.2	17.4	17.3	17.6	17.7	17.6	17.5	18.1
17.9	17.1	17.6	17.6	16.9	16.2	16.5	**16**	16.1	16.1	16.1	16.3	17
15.3	15.5	**14.5**	15.8	16.2	16.3	15.9	15.7	15.3	15.4	15.1	15.1	15.6
16.8	17.5	18.9	18.9	18.8	18.7	19.6	**19.7**	19.5	19	19.2	19	17.2
20.7	19.7	19.9	19.6	18.9	19.3	19.8	19.3	18.5	18.3	18.1	18.2	19
20.8	20.4	**21.3**	20.5	19.8	20.1	19.3	18.5	18.4	18.5	18.3	**18.2**	**19.8**
19.9	20.6	**20.7**	19.6	18.8	18.6	18.4	18.2	18.2	18	18.4	18.5	18.9
18.9	18.7	**19.1**	16.4	16	15.8	**15.3**	15.5	15.7	15.6	15.6	16	17.4
17	16.3	16.2	15.5	**15.1**	15.3	15.3	15.8	15.3	15.2	15.3	**15.1**	16
16.6	16	15.9	15.2	15.3	15.2	15.5	15.8	15.8	15.9	16.1	16	15.9
17.1	16.5	16.2	15.7	17.9	17.1	17.5	17.4	17.3	17.3	17.3	17.2	16.8
19.1	17.9	18.7	18.5	**16.1**	16.6	16.5	16.6	16.7	16.7	16.2	16.6	17.3
18.2	18.8	18.9	19.6	20.1	**20.3**	**20.3**	19.8	19.5	19.4	19.3	19.3	18.1
18.1	17.9	17.7	**16.3**	16.7	17.4	17	17	17.2	17.1	16.9	17.1	18
17.7	18.5	18.4	18.9	19.2	19.9	19.8	20.1	20.1	20.4	20.2	**20.5**	18.1
19.8	19.6	19.2	17.8	18.3	**17.7**	18.6	18.1	18.2	18.4	18.1	18.1	19.2
21.4	20.6	19.4	17.8	18.2	18.9	18.5	18.7	17.7	17.6	**17.1**	17.3	18.9
17.8	19.2	**19.9**	18.4	18.2	18	17.8	18.1	18.1	17.8	17.9	18	17.7
18.5	18.4	18.6	18	18.2	18.4	17.8	**17.5**	17.6	17.7	17.9	17.7	18.4
19.1	19.4	19.7	19.3	18.1	18.4	18.1	17.8	16.9	17.5	17.7	17.1	18.1
19.7	19.3	**20.5**	**20.5**	19	19.2	19	19.3	19.3	18.8	18.8	18.3	18.4
18.2	18.2	18.9	19.4	**20.6**	20.3	19.3	19.7	19	19.1	19	19.2	18.6
20.4	20.8	19.8	17.9	17	16.7	16.9	**16.5**	16.8	17.2	17.6	17.6	18.5
19.8	**19.8**	19.7	17.2	17.2	17.3	17.9	18.2	17.7	17.7	17.9	17.9	17.7
18.9	**19.8**	17.5	18	16.8	16.9	16.9	16.7	16.3	**15.4**	15.9	**15.4**	17.2
17.8	18.3	17.3	18.2	17.7	17.5	17.7	17.1	16.4	15.4	14.5	**14.3**	16.4
16.3	15.8	15.6	15.9	12.9	12.9	**12.5**	12.8	12.8	13.1	13.1	13.2	**14.3**
17.7	17.5	17.3	17.8	16.2	16.1	16.4	16	15.6	16	15.4	15.5	15.8
18.6	18.4	18.5	18	17.7	17.6	17.5	17.5	17.3	17.2	17.2	17.2	17.6

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Ci.		Ci.		Ci.				Ci.		Ci.-S.	
2	Ci.		Ci.		Ci.		Ci.				Ci.	
3	A.-Cu.		A.-Cu.		Ci.		Ci.					
4	Ci.	SE	Ci.		Ci.		Ci.		Ci.		Ci.	
5	Ci.		Ci.		Ci.	E	Ci.		Ci.	E	Ci.	
6	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
7	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
8			Ci.-S.		Ci.-S.		A.-Cu.		A.-Cu.		A.-Cu.	
9	Ci.-S.		Ci.-S.		Ci.		A.-Cu.		Ci.-S.		Ci.-S.	
10			A.-Cu.									
11												
12												
13												
14												
15												
16												
17												
18	A.-Cu.		A.-Cu.						A.-Cu.			
19												
20							Ci.					
21	Ci.		Ci.-S.		Ci.							
22												
23												
24												
25												
26												
27												
28					Ci.						Ci.	
29	Ci.		Ci.									
30					Ci.-S.							

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Cu.		Cu.		Cu.	N, NE	Cu.	NE	Cu.		Cu.	
2	Cu.		Cu.	ENE	Cu.		Cu.	ENE	Fr.-Cu.	ENE	Cu.	ENE
3	Cu.	E	Cu.	E	Cu.	ENE	Cu.	ENE	Cu.	NEbyE	Cu.	
4	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
5							Cu.		Cu.		Cu.	
6	Cu.				Cu.							
7	S.-Cu.		S.-Cu.		Cu.		Cu.		Cu.		Cu.	
8	Cu.-N.		S.-Cu.		Cu.	SW	S.-Cu.	SW	Cu.	SW	Cu.	
9	Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
10	Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
11	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	
12	Cu.		Cu.		Cu.		Cu.		Cu.	E	Cu.	ENE
13	Cu.		Cu.		Cu.		Cu.		Cu.	E	Cu.	E
14	Cu.		Cu.		Cu.	E	Cu.	E	Cu.		Cu.	
15	Cu.	E	Cu.		Cu.		Cu.	E	Cu.	E	Cu.	
16	Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	
17	Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	E
18	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	N.	
19	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E
20	Cu.	E	Cu.		Cu.		Cu.	E	Cu.-N.	E	Cu.	
21	S.-Cu.	E	Cu.	E	Cu.		N.-cf.	E	Cu.	E	N.-cf.	E
22	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
23	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
24	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
25	Cu.		Cu.		Cu.	ENE	Cu.	ENE	Cu.		Cu.	
26	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
27	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
28	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
29	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
30	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
		Ci.		Ci.		Ci.					
				Ci.		Ci.		Ci.	E, ESE	Ci.	
Ci.				Ci.							
		Ci.		Ci.		Ci.		Ci.		Ci.-S.	
Ci.		Ci.		Ci.		Ci.	E	Ci.		Ci.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.		A.-Cu.	SW	A.-Cu.		A.-Cu.		Ci.-S.	
Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
								Ci.			
A.-Cu.				A.-Cu.				A.-Cu.			
A.-Cu.				A.-Cu.							
								A.-Cu.			
						Ci.-Cu.		Ci.-Cu.			
								A.-Cu.			
				Ci.				Ci.-Cu.		Ci.	
						Ci.-S.		Ci.-S.		Ci.	
						Ci.					
								A.-Cu.		Ci.	
				Ci.		Ci.		Ci.-S.		Ci.-S.	

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Cu.-N.		Cu.		N.-cf.	ENE	Cu.	ENE	Cu.		Cu.	
Cu.	ENE	Cu.		Cu.	ENE	Cu.		Cu.		Cu.	
Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
Cu.-N.	NNE	Cu.	NE	Cu.	NE	Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
								Cu.		Cu.-N.	
Cu.	NE	Cu.	NE	Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.	SSW	Cu.	SSW	Cu.	SSW	Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.-N.		Cu.	
Cu.	E	Cu.	E	Cu.		Cu.-N.		Cu.		Cu.	
Cu.	E	N.-cf.		S.-Cu.		S.-Cu.	E	S.-Cu.	E	S.-Cu.	
Cu.	ENE	Cu.	ENE	Cu.		Cu.	ENE	Cu.	ENE	Cu.	
Cu.-N.		Cu.-N.	E	Cu.	E	Cu.	E	Cu.		Cu.	
Cu.-N.	E	Cu.-N.	E	Cu.-N.		Cu.-N.	E	Cu.		Cu.	
Cu.	E	Cu.	E	Cu.-N.	E	Cu.-N.	E	Cu.		Cu.	
Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
N.-cf.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.		Cu.-N.		Cu.-N.	
Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.-N.	
Cu.	E	Cu.-N.	E	Cu.	E	Cu.	E	Cu.		Cu.	
Cu.	E	Cu.-N.	E	Cu.-N.	E	Cu.		Cu.-N.		Cu.	
Cu.-N.		Cu.-N.	E	Cu.	E	Cu.	E	Cu.		Cu.	
Cu.		Cu.		Cu.	E	Cu.	E	Cu.		Cu.-N.	
Cu.		Cu.		Cu.	E	Cu.	E	Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	
Cu.	E	Cu.	E	Cu.	E by N	S.-Cu.	E by N	S.-Cu.		S.-Cu.	
Cu.		Cu.	E	Cu.		Cu.		Cu.	E	Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.	E	Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.	E	Cu.		Cu.	

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	Calm		Calm		Calm		ENE	1	NE	0.5	Calm	
2	Calm		ENE	1.5	ESE	1.5	ENE	1.5	ESE	1.5	Calm	
3	Calm		Calm		Calm		NE	1	NE	.5	Calm	
4	Calm		Calm		NE	1	NE	1	Calm		ENE	1.5
5	Calm		N	.5	NE	.5	N	.5	E	.5	Calm	
6	Calm		Calm		Calm		NNW	1	NNW	1	Calm	
7	Calm		NNE	1	NNE	1	NNE	1	NNE	1	ENE	.5
8	S	1	S	1.5	SSW	2	Calm		Calm		Calm	
9	Calm		Calm		ENE	.5	ENE	.5	Calm		Calm	
10	NE	1	Calm		Calm		Calm		Calm		Calm	
11	ESE	1.5	Calm		ESE	.5	Calm		NNE	1	Calm	
12	Calm		Calm		Calm		NE	.5	NE	1	Calm	
13	ESE	.5	ENE	.5	Calm		NNE	1	NE	1	Calm	
14	NE	.5	Calm		Calm		Calm		N	.5	Calm	
15	ENE	1	ENE	.5	Calm		Calm		Calm		Calm	
16	Calm		SE	1	NE	.5	N	.5	NE	.5	Calm	
17	Calm		NE	.5	NNE	.5	Calm		NNE	1.5	Calm	
18	E	2	NE	1.5	NE	1	E	.5	Calm		Calm	
19	Calm		Calm		Calm		Calm		Calm		Calm	
20	NE	2	NE	2	NE	.5	NNE	.5	NE	1	Calm	
21	Calm		Calm		Calm		Calm		Calm		Calm	
22	Calm		Calm		ENE	.5	ENE	1	Calm		Calm	
23	Calm		Calm		ENE	1	Calm		NNE	1	Calm	
24	Calm		Calm		Calm		Calm		Calm		Calm	
25	Calm		Calm		Calm		SE	.5	NNE	.5	NbyE	1.5
26	EbyN	1	EbyS	1	EbyS	1	NEbyN	1	E	.5	Calm	
27	Calm		Calm		Calm		Calm		Calm		Calm	
28	Calm		Calm		NNE	1	NNE	2	NNE	1.5	Calm	
29	Calm		E	1.5	ENE	2	NE	3.5	NE	2.5	Calm	
30	Calm		Calm		Calm		ENE	1.5	ENE	.5	Calm	
Mean		0.4		0.4		0.5		0.7		0.6		0.1

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	WSW	5	WSW	1.5	WSW	2	Calm		Calm		Calm	
2	NE	3	NE	2.5	NEbyE	3.5	NE	2	NE	3	NNE	3
3	NNE	4	NNE	3.5	NE	1.5	NEbyN	4	ENE	1.5	E	1
4	W	4	W	2.5	Calm		WSW	2	Calm		Calm	
5	W	1	W	3	WNW	1	W	2	Calm		Calm	
6	WNW	5	NW	3	W	3	W	3	W	1.5	SW	4
7	W	2	W	3.5	W	2	WSW	.5	W	3.5	Calm	
8	WSW	2.5	WSW	2	WSW	1	Calm		Calm		Calm	
9	WSW	3	W	.5	SSE	1	SE	4	ESE	3	SE	2
10	WNW	3.5	W	3	WSW	1	ESE	1.5	ESE	3.5	Calm	
11	WNW	1.5	E	.5	ENE	3	E	3	E	3.5	E	2
12	NE	3	E	2	ESE	1.5	E	6.5	E	1	E	3.5
13	ESE	4	ESE	4	ESE	3.5	EbyS	1	ENE	.5	NE	2
14	NE	2	E	3.5	E	4	Calm		NE	1.5	Calm	
15	Calm		NE	1	ESE	6.5	NNE	4.5	NNE	3.5	N	3.5
16	E	10	ENE	3.5	ENE	.5	ESE	1	SE	2.5	Calm	
17	NE	1.5	Calm		NE	1.5	NNE	5	NNE	3.5	NNE	3.5
18	N	3.5	ENE	2	Calm		NE	3	NNE	1.5	NE	2
19	Calm		WNW	2	E	5.5	ENE	5.5	ESE	1	Calm	
20	WNW	2	Calm		Calm		NNE	3.5	Calm		Calm	
21	SEbyE	3	ENE	1	ESE	2.5	E	3.5	E	1	Calm	
22	W	1	WNW	2	WNW	2	SE	1	Calm		SE	1
23	W	2.5	W	2	W	3.5	S	2.5	Calm		ESE	2
24	WSW	2.5	W	3	W	1.5	WNW	2	Calm		Calm	
25	W	3	W	1.5	W	2.5	E	2.5	E	1	E	1
26	WNW	3	NW	2	NNW	3	E	1.5	NE	1.5	ESE	1.5
27	W	2.5	Calm		SSE	2.5	SE	2.5	SE	1	SE	3.5
28	NW	4.5	W	4.5	WNW	1	Calm		Calm		SE	3
29	W	4	Calm		E	3	Calm		Calm		Calm	
30	WSW	4	W	3.5	WbyN	2.5	Calm		ESE	1.5	Calm	
Mean		3		2.1		2.2		2.2		1.4		1.3

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
Calm		Calm		Calm		WNW	1	WNW	2.5	W	3
Calm		Calm		Calm		Calm		NEbyE	1	NE	1
Calm		Calm		Calm		WNW	3	WNW	.5	ESE	.5
ENE	0.5	NNE	1.5	Calm		WSW	2	WNW	4	WSW	5
Calm		Calm		NNW	0.5	Calm		WNW	3.5	WSW	3
NNW	2	N	4.5	NNW	2.5	NNW	1.5	WNW	4.5	NW	5
Calm		NNE	3	NbyW	2	WNW	1	NNE	1.5	NW	1.5
Calm		Calm		Calm		W	2	WNW	.5	WSW	.5
Calm		Calm		Calm		W	1	WNW	2.5	WSW	2
Calm		Calm		Calm		NW	2.5	W	3	NW	1.5
Calm		Calm		E	.5	NW	1.5	WNW	3.5	WbyN	5.5
Calm		Calm		Calm		Calm		WSW	3	WSW	.5
Calm		Calm		Calm		N	.5	SE	6	ESE	5.5
Calm		Calm		Calm		NNE	1	Calm		Calm	
Calm		Calm		NNW	3	Calm		WSW	3	Calm	
Calm		Calm		Calm		NE	4	ENE	11	E	5
Calm		NNE	1.5	NE	1	NE	4.5	ESE	5.5	ENE	9.5
Calm		NNE	.5	NNE	.5	NE	.5	NE	2.5	NNE	2
Calm		Calm		NE	1.5	NNE	1.5	Calm		Calm	
ENE	.5	NNE	2	Calm		NNE	.5	NNE	1	NNE	2.5
Calm		Calm		Calm		Calm		Calm		Calm	
Calm		Calm		Calm		NW	1	W	3	WNW	2
Calm		Calm		Calm		WNW	.5	WbyN	2.5	WNW	2.5
Calm		Calm		Calm		W	.5	W	3	W	2
NE	1	N	2	NNW	1	NNE	2	WNW	4	W	3.5
Calm		Calm		Calm		W	2	W	1	W	2.5
Calm		Calm		WSW	2	NW	1.5	WNW	3.5	WNW	2
Calm		Calm		Calm		SSW	2	WSW	2	W	3.5
Calm		ESE	.5	Calm		S	2	W	3	WbyN	3.5
Calm		Calm		NE	.5	W	3.5	WNW	3	WSW	4.5
	0.1		0.5		0.5		1.4		2.8		2.6

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		Midnight.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
ESE	1.5	ESE	1	SE	1	SSE	1.5	SE	1.5	Calm		1
NE	1.5	NE	1	E	.5	Calm		Calm		Calm		1.2
E	1	E	1	ESE	1	ESE	1	ESE	1	Calm		1.1
ESE	1	SE	1	SE	1	S	1.5	Calm		ESE	1.5	1.3
Calm		Calm		S	1	SE	.5	ENE	1.5	ENE	.5	.8
SSW	4	SW	4	SSW	1.5	E	1	Calm		Calm		2.2
Calm		Calm		NNW	.5	Calm		WNW	1	SSW	.5	1.1
SSE	1	SE	1.5	SE	.5	SE	.5	Calm		Calm		.7
SE	1	SE	1.5	SE	1.5	SE	1.5	SE	1	Calm		1.1
SE	1	SE	1	SE	1	SE	1	SE	1	SE	1	1.1
E	1.5	Calm		NNE	1.5	NE	1.5	NE	1	Calm		1.4
ESE	2.5	SE	2	E	1.5	Calm		Calm		N	.5	1.2
NE	1	NNE	1	Calm		NE	.5	NE	.5	ENE	.5	1.4
ENE	1	ENE	.5	Calm		Calm		Calm		Calm		.6
Calm		Calm		Calm		N	1	NE	.5	NE	.5	1.2
ENE	1.5	NE	1	NNE	1	NNE	.5	Calm		NNE	1.5	1.9
Calm		N	.5	E	.5	NE	1.5	E	2	NE	2	1.9
Calm		ESE	1.5	E	1	Calm		Calm		Calm		1.1
NNE	1	NE	1	NNE	1.5	NE	2	ENE	.5	NE	1	1
NNE	.5	Calm		Calm		Calm		Calm		Calm		.8
Calm		Calm		Calm		ESE	.5	NE	.5	Calm		.5
Calm		SE	1.5	ESE	2	SE	.5	Calm		Calm		.8
Calm		SE	2	SE	2	SE	.5	SE	1.5	N	1.5	1.1
SE	1	SE	1	NE	1	NNE	1.5	NNE	1.5	N	2.5	1
SE	.5	SEbyE	.5	Calm		Calm		SEbyE	1	ESE	.5	1.2
SE	1	SE	.5	SE	1.5	SE	2	SE	2	SE	.5	1.2
ESE	1	ESE	1.5	Calm		Calm		Calm		Calm		1
SE	1.5	Calm		Calm		N	1.5	Calm		SE	.5	1.2
Calm		Calm		ESE	.5	Calm		ESE	.5	Calm		1.1
Calm		NE	.5	NNE	.5	Calm		Calm		Calm		1.1
	0.9		0.9		0.8		0.7		0.6		0.5	1.1

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	1	0	0	3.5	3.5	3.5	1.5	1.5	2	4.5	12	11
2	1	4	5	3	5.5	4.5	3	.5	.5	2	10.5	15.5
3	1	3.5	5.5	6.5	3.5	3.5	3.5	2	2.5	6.5	10	5
4	1.5	1	2	3.5	2.5	3	4	4	3	5	12	**15.5**
5	4	1.5	4	2	5	2.5	2.5	4	5	5	15	**16**
6	1	1.5	4	5.5	7	2.5	5.5	11	16	12	19	**20**
7	0	3	5	5	6	5	5	6	13	12	**16**	12
8	3	4.5	6	3.5	1	2.5	2	1	5.5	7.5	8	8
9	3	2	2.5	4.5	4	3.5	5.5	4	2	6	**13**	10
10	4	1.5	1	2.5	.5	1.5	.5	2	6	5	11.5	16
11	6	3	3	.5	2.5	3.5	6.5	5.5	3	3.5	14.5	13.5
12	2	1	.5	1.5	2	5	6	6	3	8	10.5	10
13	1.5	3	2	4	4	4	2.5	5.5	5	6	11	9
14	3	2.5	1	1.5	1.5	2.5	2	4	3.5	5	9	11
15	3	2	3	1.5	2	.5	0	1	6	7.5	11.5	7.5
16	3	2	3	2	2.5	3	2.5	6.5	7.5	16	24.5	**26.5**
17	4	4	6	4.5	5.5	4	4	9.5	11	15.5	22	**24**
18	8	6.5	4	2.5	1.5	2	1.5	1.5	7	5	13	14
19	.5	1	2.5	2	1	.5	1	.5	3.5	8.5	9	8.5
20	5.5	5	3	1	6.5	4.5	6	9	**19**	9	9	9.5
21	0	.5	0	.5	0	.5	1.5	2	1.5	3.5	4.5	4
22	0	.5	2	2.5	1	2	2	3	1	7	14	12
23	.5	1	2.5	2	3	3	0	1	1	6	**15.5**	14
24	4	1	.5	.5	0	0	.5	2.5	2	4	**14**	13
25	1.5	1	.5	1	3	4	2	4.5	6	3	**15.5**	11.5
26	3.5	1.5	.5	1	.5	0	3	4	3	4	9.5	10
27	1	1	.5	.5	0	0	0	0	.5	5	9	12
28	2.5	1	4	10	8	3.5	4.5	4	.5	.5	7.5	9
29	2	3.5	4	9.5	11	5	2	1.5	.5	2	9	11.5
30	0	1.5	.5	2	3.5	2.5	.5	1	2.5	7	12	**16**
Mean	2.4	**2.2**	2.6	3	3.2	2.7	2.7	3.6	4.8	6.4	12.4	12.5

AMOUNT OF CLOUDS (0–10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	5	6	6	7	7	7	8	8	8	4	3	3	6	8 50
2	5	5	5	4	5	5	4	3	4	3	4	4	4.2	9 30
3	5	5	3	5	6	5	4	3	6	6	6	4	4.8	9 30
4	4	3	4	4	5	5	8	7	5	3	2	3	4.4	7 55
5	8	7	7	7	7	7	4	4	3	3	6	8	5.9	9 20
6	9	8	8	8	8	9	10	10	9	10	10	10	9.1	4 55
7	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**1 25**
8	10	10	10	9	10	9	9	**9**	8	9	10	10	9.4	4 05
9	2	4	4	4	6	8	7	6	5	6	6	5	5.2	8 20
10	4	5	6	8	5	6	6	5	7	7	7	2	5.7	7 40
11	2	2	2	5	6	5	6	10	5	6	4	4	4.8	7 05
12	0	0	1	2	6	6	4	7	4	3	**3**	2	3.2	**9 45**
13	2	2	2	4	5	9	8	9	5	6	3	3	4.8	6 30
14	2	1	2	7	9	10	10	10	10	9	4	2	6.3	5 00
15	3	2	2	2	7	6	10	6	7	8	3	3	4.9	6 40
16	2	2	7	4	3	3	5	5	6	5	3	2	3.9	**9 45**
17	2	2	2	3	8	8	9	9	8	6	6	8	5.9	8 25
18	3	3	2	7	7	10	8	6	6	4	3	10	5.8	6 35
19	2	1	2	9	10	10	8	10	**4**	4	5	2	5.6	6 55
20	8	2	2	7	10	3	10	10	7	7	8	3	6.4	6 20
21	6	4	3	10	6	8	9	9	6	5	4	3	6.1	6 45
22	2	2	1	4	4	4	4	3	2	3	4	9	3.5	8 50
23	2	2	1	2	2	2	4	4	4	3	3	2	2.6	9 35
24	1	2	2	3	3	2	2	1	1	2	2	1	**1.8**	9 15
25	1	1	2	3	5	5	3	2	2	6	4	1	2.9	8 45
26	1	1	1	4	4	5	5	4	7	6	3	3	3.7	8 15
27	1	1	1	2	4	4	2	2	3	1	5	3	2.4	**9 45**
28	2	2	2	1	1	2	3	3	3	3	6	6	2.8	9 15
29	2	2	2	2	1	3	2	2	2	4	1	1	2	9 05
30	1	1	2	3	4	3	2	2	2	4	2	2	2.3	8 45
Total														232 45
Mean	3.6	**3.3**	3.5	5	5.8	6	**6.1**	6	5.3	5.2	4.7	4.3	4.9	7 46

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–Mdt.	Mean.
13	7.5	5.5	6	2	2	3	3.5	2.5	5	3.5	2.5	4.2
12	16	22	**24**	14	14.5	9.5	8	2.5	3	1.5	1	7.6
26	24	22	20	12	8	5	4	6	4	4	3.5	8
13.5	11	7.5	8.5	4	6.5	4.5	4	3.5	4.5	3	2.5	5.4
14	14	12	10.5	4.5	2.5	3	1.5	**6**	7	5.5	3.5	6.3
14	17	14	12	13	17	17	16	5.5	4.5	1	1	9.9
12	13	11.5	9.5	9.5	8.5	6.5	.5	5	1	2	2.5	7.1
11	8	9	8	5	3	5	9	6	8	6.5	3.5	5.6
9.5	9	6.5	**18**	**13**	9	7	9	6	6	5	2.5	6.5
16.5	14.5	11	7	12	10	7	8.5	7	5.5	6	5.5	6.8
15	10	11	11.5	14.5	11	8	3.5	2.5	4	4	2	6.8
6.5	15	22	21	**24**	15	15	7.5	5.5	4	.5	1	8
19	**22**	18	15	9	11	7	7	4.5	2.5	4	3.5	7.5
9	9	**14**	13	13	6	6	4	1.5	2.5	1	0	5.2
4	10.5	14	**17**	14	12.5	9	3.5	.5	2	2.5	1	5.7
26	20.5	20.5	18	18	11	6	6.5	4	4	3	3.5	10
21	15	19	20	20	13	5	4.5	2	2.5	5.5	5	**10.3**
12	10	12	13	**17**	10	6.5	3.5	1.5	.5	0	0	6.4
4.5	9.5	9.5	**14**	9	6	4.5	4.5	4.5	6.5	3	3.5	4.9
6	8.5	3	9	6.5	4	4.5	2.5	0	.5	.5	.5	5.5
8.5	**12**	10	**12**	10	3	5	2	0	2	1.5	.5	**3.5**
15	14.5	11.5	4	11	8	4.5	5.5	6	2	2.5	.5	5.5
9	10	9	4.5	7.5	3.5	7.5	7	8	4	3	7	5.4
11	13.5	10.5	6.5	1	.5	2.5	4	2	2.5	3.5	5.5	4.4
14	11	7	12	14	5	3	2	4	5	5	3	5.8
14	10.5	8	3	6	2	2	2.5	2.5	5	6	4	4.4
13	10	14	11	**15**	12	7.5	6.5	3	3	3.5	1	5.4
15.5	13	10.5	3.5	8	6	7.5	4	1	2.5	1	3	5.4
13.5	10	**14**	8	9.5	7	5.5	1.5	1.5	2.5	1.5	2	5.8
16	13	11.5	6	8.5	7	4	6	5	1.5	.5	0	5.3
13.1	12.7	12.3	11.4	10.8	7.8	6.3	5.1	3.6	3.6	3	2.5	6.3

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1	-----	-----	1	1	-----	2	2	1	-----	-----	-----	3	1	2	-----	-----	11	100	2.8	-----
2	-----	1	7	4	1	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	9	183	5.7	-----
3	-----	2	4	1	3	4	-----	-----	-----	-----	-----	-----	-----	2	-----	-----	8	191.5	4.8	-----
4	-----	1	2	2	-----	2	2	-----	1	-----	-----	3	2	1	-----	-----	8	130	4	-----
5	2	-----	1	2	1	-----	1	-----	1	-----	-----	1	3	2	-----	1	9	150.5	4.4	-----
6	1	-----	-----	-----	1	-----	-----	-----	-----	2	2	-----	3	2	2	5	6	237	4.3	-----
7	1	6	-----	1	-----	-----	-----	-----	-----	1	-----	1	4	2	1	1	6	169.5	3.4	-----
8	-----	-----	-----	-----	-----	-----	3	1	2	1	-----	4	1	1	-----	-----	11	134.5	3.1	-----
9	-----	-----	-----	2	-----	1	7	1	-----	-----	-----	2	2	1	-----	-----	8	155.5	3.9	-----
10	-----	-----	1	-----	-----	2	6	-----	-----	-----	-----	1	2	1	2	-----	9	162.5	4.4	-----
11	-----	2	2	1	6	2	-----	-----	-----	-----	-----	-----	-----	3	1	-----	7	162	3.5	-----
12	1	-----	3	-----	5	2	1	-----	-----	-----	-----	2	-----	-----	-----	-----	10	192.5	5	-----
13	1	2	5	3	-----	6	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	6	180	4.5	-----
14	1	1	3	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	15	125.5	4	-----
15	2	2	3	2	-----	1	-----	-----	-----	-----	-----	1	-----	-----	-----	1	12	136	**2.6**	-----
16	1	3	4	4	2	1	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	7	240	**6**	-----
17	1	6	7	1	2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	6	**246.5**	4.9	0.8
18	1	4	6	1	3	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	8	152.5	3.9	**5**
19	-----	3	4	2	1	1	-----	-----	-----	-----	-----	-----	-----	1	-----	-----	12	117.5	3.5	.3
20	-----	7	4	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	-----	11	132.5	3.3	-----
21	-----	-----	1	1	2	2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	17	85	3.8	-----
22	-----	-----	-----	2	-----	1	4	-----	-----	-----	-----	-----	2	3	1	-----	11	132	4.4	-----
23	1	1	-----	1	-----	1	4	-----	1	-----	-----	-----	3	3	-----	-----	9	129.5	4.2	-----
24	1	2	1	-----	-----	-----	2	-----	-----	-----	-----	1	5	1	-----	-----	11	105	4.1	-----
25	1	3	1	-----	3	1	4	-----	-----	-----	-----	-----	4	1	-----	1	5	138.5	4.4	-----
26	-----	-----	2	-----	3	3	6	-----	-----	-----	-----	-----	3	1	1	1	4	106	3.8	-----
27	-----	-----	-----	-----	-----	2	3	1	-----	-----	-----	1	1	2	1	-----	13	129	4.5	-----
28	1	3	-----	-----	-----	-----	3	-----	-----	1	-----	1	2	1	1	-----	11	120.5	4.7	-----
29	-----	-----	2	1	2	3	-----	-----	1	-----	-----	-----	2	1	-----	-----	12	138	4.9	-----
30	-----	1	2	2	-----	1	-----	-----	-----	-----	-----	2	2	2	-----	-----	12	128	4.6	-----
Total	16	50	66	37	37	42	52	4	6	5	2	23	42	34	10	10	284	4,520.5	125.4	6.1
Mean	0.5	1.7	2.2	1.2	1.2	1.4	1.7	**0.1**	0.2	0.2	**0.1**	0.8	1.4	1.1	0.3	0.3	**9.5**	150.7	4.2	0.2

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°C.		*Per cent.*	*mm.*	*mm.*		°C.		*Per cent.*	*mm.*
1	761.90	9.15a.	32.4	2.50p.	95	**22.8**	758.65	3.20p.	21.7	3.05a.	65	17
2	62.30	9.20a.	33.4	0.55p.	89	18.4	59	3.00p.	20	3.45a.	**45**	15.6
3	62.05	8.50a.	33.6	2.20p.	89	21	58.75	2.55p.	21.4	1.50a.	47	16.1
4	61.80	8.30a.	32	2.45p.	89	18.1	58.30	2.50p.	20.4	5.55a.	55	16
5	60.05	9.05a.	31.4	2.50p.	92	17.1	56.60	3.25p.	18.8	5.45a.	46	14.5
6	**59**	9.40a.	31.6	2.30p.	90	19.7	**56.17**	3.00p.	19.2	5.55a.	52	14.6
7	60.45	10.00p.	31.3	0.20p.	90	20.7	57.10	2.25p.	21.5	6.05a.	62	17.4
8	62.35	11.45p.	30.9	1.40p.	93	21.3	59.56	3.00p.	**22.3**	6.15a.	**69**	**18.2**
9	63.75	9.10a.	32	2.55p.	93	20.7	60.75	3.30p.	21.2	5.50a.	63	17.8
10	**64.10**	9.05a.	31.7	2.45p.	90	19.1	**61.25**	3.15p.	22	4.15a.	58	15.3
11	63.83	9.00a.	**29.9**	1.05p.	91	17.9	61.05	3.10p.	19	11.55p.	55	15.1
12	63.20	8.50a.	32.1	1.30p.	94	17.6	60.34	3.00p.	17.7	5.05a.	47	14.4
13	63.10	9.15a.	32.2	1.15p.	95	18.1	60.35	3.50p.	19	6.10a.	51	15.6
14	62.95	9.45p.	32.1	10.40a.	93	19.1	60.07	2.00p.	19.7	4.50a.	59	16.1
15	62.55	0.05a.	32	2.20p.	95	20.3	59.16	3.00p.	18.5	5.35a.	57	15
16	62.15	10.55p.	**33.9**	0.25p.	96	20.5	58.95	2.15p.	21	5.05a.	48	16.3
17	62.05	8.30a.	33.1	0.40p.	94	20.5	58.95	3.35p.	19.9	5.50a.	49	16.1
18	61.80	9.30a.	32.2	10.55a.	**97**	21	59.29	3.00p.	21.7	11.50p.	59	17.7
19	61.85	9.35a.	31.4	3.20p.	93	21.6	59.05	2.50p.	21	11.55p.	57	17.1
20	60.75	0.05a.	31.8	3.50p.	91	19.9	57.90	2.45p.	20	2.50a.	56	16.3
21	59.90	8.25a.	33.5	2.10p.	94	20.4	56.80	3.15p.	21.3	5.50a.	50	17.5
22	60.40	8.25a.	32.4	3.40p.	93.5	19.9	56.70	3.35p.	19.9	5.25a.	59	16.7
23	60.05	8.00a.	32.5	2.50p.	91	20.5	57.20	3.50p.	19.7	6.10a.	58	15.8
24	61	9.30p.	31.8	3.15p.	92	20.6	57.90	3.15p.	19.7	6.15a.	56	16.5
25	61.79	9.00a.	32.7	3.10p.	96	20.9	58.65	3.35p.	21.1	5.55a.	53	16.5
26	62.63	8.00a.	32.7	2.40p.	91	19.8	59.20	2.45p.	19	5.45a.	54	15.7
27	63	9.15a.	32.2	2.25p.	95	19.8	59.65	3.20p.	19	6.25a.	54	15.4
28	62.95	9.00a.	31.5	2.25p.	91	18.4	59.80	3.35p.	18.1	6.20a.	55	14.3
29	62.95	8.35a.	32.4	2.25p.	88	**16.6**	59.74	3.00p.	17.3	3.05a.	46	**12.5**
30	62.75	8.30a.	31.5	3.30p.	93	18.5	59.78	3.00p.	**16.8**	6.40a.	55	13
Mean	761.98	-------	32.1	-------	92.4	19.7	758.89	-------	19.9	-------	54.7	15.9

DAILY GENERAL REMARKS.

1____Cloudy weather.
2____Convergence of Ci. toward ESE in the morning and afternoon; coloration of clouds at sunset; ∪° in the evening.
3____Convergence of Ci. toward E in the afternoon; ∪ in the evening.
4____○, convergence of Ci. toward ESE during the morning; coloration of clouds at sunset.
5____☌ early in the morning; convergence of Ci. toward ESE during the morning and afternoon; ○° in the forenoon; coloration of clouds at sunset; ∪ at night.
6____Convergence of Ci. toward ESE in the morning; ○ in the forenoon and afternoon; intense coloration of clouds at sunset.
7____○ in the morning; $○^2$ in the afternoon; coloration of clouds at sunset.
8____Overcast.
9____Coloration of upper clouds at sunset.
10____Cloudy weather.
11____ Do.
12____Gentle Ely breeze in the afternoon.
13____As yesterday.
14____Cloudy weather.
15____d° 3.35 p. m.
16____Gusty Ely winds in the forenoon and afternoon.
17____Gusty ENE winds in the forenoon; coloration of clouds at sunset; ● at night.
18____● in the early morning; d° in the evening.
19____p° in the forenoon and afternoon.
20____Cloudy weather.
21____Coloration of upper clouds at sunrise.
22____Cloudy weather.
23____Fair weather.
24____Slight coloration of clouds at sunrise and sunset.
25____Fair weather.
26____Cloudy weather.
27____Fair weather.
28____Slight coloration of clouds at sunset.
29____Fair weather.
30____☌ early in the morning.

OBSERVATIONS FOR DECEMBER, 1911.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	60.95	60.70	60.60	60.70	60.90	61.20	61.71	62.36	**62.60**	62.33	61.83	61.22
2	61.10	60.50	60.20	60.15	60.30	60.50	60.99	61.54	**61.64**	61.45	61.13	60.27
3	60.75	60.50	60.25	60.35	60.50	60.94	61.36	61.63	**61.82**	61.80	61.29	60.67
4	60.20	59.85	59.55	59.50	59.80	60.25	60.80	61.44	**61.54**	61.42	60.82	60.04
5	59.95	59.60	59.40	59.55	59.70	60.17	60.50	**61**	60.83	60.36	59.82	59.24
6	59.70	59.45	59.30	59.25	59.35	59.56	60.09	**60.55**	60.49	60.13	59.54	58.95
7	58.70	58.30	57.85	58	58.30	58.67	59	59.56	**59.67**	59.26	58.89	58.37
8	57.05	56.65	56.25	56.25	56.45	56.70	56.85	57.20	57.45	**57.46**	57.02	56.78
9	56.90	56.65	56.40	56.40	56.50	56.74	57.39	57.81	57.77	57.82	57.54	56.81
10	57.30	56.85	56.85	57.15	57.30	57.63	57.73	**58.11**	58.09	57.89	57.51	56.82
11	57.20	56.95	56.75	57.10	57.10	57.51	58.50	58.94	58.91	58.59	58.24	57.80
12	58.70	58.45	**58.20**	58.55	58.70	59.41	60.36	60.88	**61.37**	61.14	60.66	59.95
13	60.60	60.35	60.15	60.35	60.60	60.99	61.55	**62.13**	62	61.65	61.07	60.27
14	61.95	61.55	61.35	61.35	61.60	61.90	62.20	**62.64**	62.50	62.10	61.64	61.03
15	61.80	61.60	61.30	61.35	61.55	61.81	62.19	62.76	**62.83**	62.53	61.84	61.14
16	61.75	61.50	61.20	61.25	61.45	61.75	62.64	63.28	63.20	62.92	62.45	62.34
17	62.35	62	61.75	61.85	62	62.18	62.41	63.10	63.18	62.99	62.45	61.85
18	63.05	62.90	62.60	62.60	62.85	63.22	63.40	64.04	**64.09**	63.89	63.28	62.77
19	62.85	62.50	62.25	62.25	62.30	62.46	63	63.56	**63.63**	63.48	62.69	61.97
20	61.85	61.75	61.60	61.65	61.90	62.26	62.90	63.43	63.64	63.48	62.93	62.25
21	63.30	62.95	62.85	62.95	63.15	63.40	64	**64.49**	64.33	**64.49**	63.95	63.18
22	63.15	63	62.95	63.25	63.40	63.85	64.25	**64.50**	64.39	64.23	63.52	62.83
23	63.10	63.05	63.05	63.10	63.25	63.44	64.02	64.50	**64.51**	64.25	63.83	63.20
24	63.65	63.40	63.35	63.45	63.95	64.76	64.83	**65**	64.88	64.53	63.82	63.09
25	62.35	62.15	62.50	62.40	62.60	62.96	63.23	63.60	**63.64**	63.45	62.92	62.08
26	62.30	62.25	62.25	62.45	62.50	62.49	62.81	**63.03**	62.86	62.66	62.24	61.25
27	61.55	61.45	61.40	61.30	61.35	61.72	62.06	62.63	**62.81**	62.74	62.23	61.53
28	61.45	61.30	61.20	61.40	61.65	61.74	62.25	62.70	**62.89**	62.74	61.77	60.88
29	61.50	61.20	61.15	61.20	61.35	61.46	61.85	62.46	**62.58**	62.29	61.77	61
30	60.75	60.50	60.20	60.25	60.50	61.01	61.25	61.89	**62.09**	61.94	60.99	60.31
31	61.15	60.75	60.65	60.70	60.95	61.19	61.70	62.02	**62.16**	61.83	60.84	60.19
Mean	60.93	60.66	60.50	60.58	60.77	61.09	61.54	62.03	**62.08**	61.87	61.31	60.65

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	19.6	19.1	18.9	18.8	18.8	**18.4**	19.5	24.4	27.7	28.3	28.7	29.3
2	20.6	20.2	**19.8**	**19.8**	20	20.4	21.4	25.5	28.4	28.5	28.8	29.6
3	20.8	20.4	20.3	20.1	**19.5**	**19.5**	20.5	25.3	27.9	28.5	28	28.4
4	22.1	22.2	21.8	22	21.7	21.4	**21.2**	24	25.9	27.6	28.2	27.4
5	23.1	22.5	22.4	21.8	21.6	**21.5**	22.7	25.6	28.3	28	29	29.1
6	21	**20.5**	21.4	21.5	21.7	21.5	21.6	24.8	26.1	28.3	27.8	29.1
7	23.1	23.1	22.5	21.8	21.1	**21**	21.8	23.9	25.3	28	29.4	28.3
8	23.6	23.7	23.3	**23**	**23**	**23**	23.4	24.6	26.8	28.1	**28.6**	28.4
9	25.9	25.8	25.2	25.2	25.2	25.6	25.7	26.8	28.3	29	29.3	**30.5**
10	25.5	25.1	25.4	**24.1**	24.2	24.3	24.9	26.9	29	29	29.4	**29.9**
11	25.5	25.1	24.9	24.9	24.6	**24.5**	24.9	27	28.3	28.7	27.3	27.8
12	24.5	23.8	23.3	**22.8**	23.2	23.3	23.7	25.3	27.3	27.3	28.7	29.6
13	22	22	21.3	21.4	21.3	**20.6**	21.3	25.3	28.5	29.6	30.5	31.3
14	22.1	21.6	**20.7**	**20.7**	21	21.8	23.3	24.6	26.4	28.2	28.1	**28.9**
15	21.1	21.9	21.6	21.2	20.9	**20.6**	21.3	25	27.6	29.1	29.2	28.4
16	21.8	21.5	21.6	**21**	21.1	**21**	21.9	23.2	26	27.4	27.7	26.1
17	23.7	23.3	23.5	23.3	23.2	22.6	23.3	25.4	27.8	28.3	27.4	27.5
18	20.2	19.9	19.9	19.9	**19.1**	19.3	19.5	24.5	28	28.6	31	31.7
19	20.9	21	20.6	20.3	**19.9**	20.6	21.3	23.2	26.6	25.9	27.3	27.8
20	22.1	21.6	21.2	21	21	**20.8**	21.7	24.2	27.1	27.8	27.4	27.5
21	21.4	21.3	21.2	21.2	20.4	**20.1**	21	25.3	28.5	27.7	29	**31.3**
22	21.8	21	20.6	20.2	20	19.8	20.1	24.5	27.5	28	30.1	30
23	19.5	19.2	18.8	18.6	18.7	**18.5**	19	23.3	26.9	28	27.8	28.7
24	20.4	20.1	**19.8**	19.9	20.5	21.5	22	25.2	28.4	28.8	29.4	31.8
25	22.5	22.4	23	22.4	21.5	21.7	22.8	25.3	27	28.2	31	**32.1**
26	20.3	19.9	19.7	19.5	19.2	**18.6**	19.5	25	25	26.6	26.2	27.3
27	19.7	19.6	19.6	**19.5**	19.7	19.8	21.6	25.9	27.5	30	31.2	31.7
28	21.9	22.6	21.9	22	21.2	20.9	21.7	24	26.2	26.6	28.4	28.1
29	20.4	19.9	20.9	21.3	20.3	20	20	23.8	25.9	27.6	29.6	29.6
30	18.5	18.4	**18**	18.2	**18**	18.3	19.8	23.6	26.4	26.7	28.5	27.2
31	20	19.4	19	18.9	18.9	**18**	19	22.9	24.6	27.9	27.5	27.2
Mean	21.8	21.6	21.4	21.2	21	**20.9**	21.7	24.8	27.1	28.1	28.7	29.1

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
60.37	59.72	**59.46**	59.74	59.90	60.30	60.83	61.50	61.80	61.95	61.65	61.35	61.07
59.54	59.15	58.79	**58.62**	59.13	59.68	60.20	60.70	61.15	61.30	61.10	61	60.42
59.75	59.27	**58.97**	59.01	59.42	59.75	59.95	60.20	60.45	60.75	60.55	60.50	60.43
59.17	58.45	**58.18**	58.35	58.74	59.10	59.29	59.80	60.10	60.15	60.10	60.10	59.86
58.52	58.16	**57.98**	58.18	58.52	59.13	59.44	59.85	60.05	60.15	60.05	60	59.59
58.09	57.72	**57.50**	57.62	57.80	58.09	58.60	59	59.40	59.30	59.25	59.05	59.07
57.48	57.22	56.79	**56.72**	56.85	57.02	57.32	57.75	57.50	57.55	57.50	57.40	57.99
56.02	55.83	**55.57**	55.65	55.93	56.42	56.65	56.90	56.90	56.90	56.85	56.95	**56.61**
56.31	55.84	**55.69**	55.86	56.07	56.52	56.95	57.45	57.85	**58**	57.90	57.75	56.96
56.17	55.62	**55.36**	55.39	55.91	56.08	57.80	57.25	57.60	57.80	57.65	57.45	57.01
56.85	56.03	**55.58**	55.76	56.15	56.86	57.72	58.40	58.80	58.90	58.95	**59**	57.61
58.98	58.62	58.34	58.56	58.90	59.49	60.13	60.70	61	60.95	60.95	60.75	59.74
59.71	59.24	**59.02**	59.08	59.47	60.02	60.79	61.55	61.75	62	61.95	61.90	60.76
60.34	59.60	**59.44**	59.54	59.85	60.34	61.05	61.70	62.15	62.25	62.35	62.10	61.36
60.15	59.63	**59.55**	59.75	60	60.47	61.09	61.70	62	62	62.10	62.10	61.38
61.44	61.20	**60.63**	60.64	61.02	61.79	62.37	62.65	**63.35**	63.30	63.10	62.80	62.08
61.19	60.70	**60.41**	60.66	61.22	61.70	62.30	62.90	63.05	**63.25**	63.15	63.20	62.16
62.08	61.48	**61.33**	61.52	61.99	62.29	62.60	62.95	63.25	63.40	63.30	63.10	62.83
61.18	60.84	**60.54**	60.67	61.05	61.20	61.63	62.20	62.25	62.25	62.25	62	62.12
61.68	**61.22**	61.34	61.62	62.25	62.75	63.20	63.55	63.80	**63.90**	63.80	63.65	62.60
62.80	62.66	**62.21**	62.71	63.37	63.60	63.83	64.10	64.20	64	63.60	63.40	**63.48**
62.36	61.78	**61.58**	61.81	62.24	62.45	62.74	63.20	63.40	63.55	63.50	63.50	63.14
62.37	61.75	**61.52**	61.90	62.28	62.72	63.30	63.60	63.45	63.45	63.50	63.60	63.20
62.18	**61.70**	61.73	62	62.36	62.64	62.75	63	63	62.95	62.80	62.70	63.27
61.18	60.61	**60.42**	60.67	61.26	61.61	62.15	62.50	62.75	62.70	62.45	62.35	62.27
60.40	59.79	**59.64**	59.94	60.38	60.75	61.23	61.55	62.05	62.05	61.95	61.80	61.69
60.60	60.17	**60.04**	60.44	60.65	62.01	61.39	61.90	61.90	61.90	61.85	61.80	61.56
60.30	59.83	**59.42**	59.64	60.14	60.44	61.18	61.85	61.95	62.05	61.85	61.80	61.35
60.34	59.59	**59.17**	59.56	59.87	60.46	61.05	61.20	61.20	61.25	61.20	61.05	61.07
59.68	58.95	**58.48**	58.73	59.43	60.30	60.75	61.05	61.15	61.45	61.50	61.30	60.60
59.49	58.90	**58.80**	58.90	59.30	59.83	60.20	60.70	60.75	60.90	60.70	60.55	60.55
59.89	59.40	**59.14**	59.33	59.72	60.19	60.63	61.08	61.29	61.36	61.27	61.16	60.77

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
29.5	30.2	**31.3**	27.6	27.5	26	24.6	23.5	22.2	21.5	21.4	20.9	24.1
29	28.7	**30.5**	29.8	27.2	26.1	24.6	23.8	23.1	22.3	21.9	21.2	24.6
30.5	29.4	**30.9**	29.2	27.1	25.6	24.4	23.6	23.4	22.7	22.6	22.3	24.6
28.8	**29.1**	28.4	28.4	27	26	25	24.2	24	24	23.5	23.4	24.9
30.3	**31**	30	28.4	**27.7**	26.4	25.2	24.1	23.2	22.2	21.7	**21.5**	25.3
29.5	28.3	28.1	28	27	25.5	24.4	24	23.8	23.2	23.8	23.2	24.8
29.4	**30.7**	28.5	28.8	**27.7**	26.7	26.1	25.7	25.7	24.5	24.1	23.6	25.4
27.6	27.6	27.6	27.4	26.8	26.7	26.3	26.5	26.5	26.1	26.3	25.8	25.9
29.4	29.2	28.6	28	27.7	27	27.1	26.2	26.1	26.5	26.2	**25.1**	**27.1**
29.5	29.7	29.3	28	27	26.7	26.7	26.7	26.6	25.6	25.4	25.3	26.8
30.3	31	**31.2**	29.8	28.7	27.2	26.9	26.2	25.7	24.9	24.9	25.2	26.9
30.3	27	28.8	29.5	28.3	26.7	25.7	25.8	25.4	24.8	24.1	22.9	25.9
30.8	**31.7**	29.6	29.3	28.2	26.4	25.5	25.6	24.9	23.5	22.3	21.7	25.6
28.9	27.8	27.8	28.3	26.7	24.4	23.7	22.9	22.3	22.7	22	21.8	24.4
28.3	**30.5**	30.3	29	27.5	26	24.3	23.6	22.9	22.6	22	21.8	24.9
26.6	**28**	27.8	27.8	26.7	25.5	24.3	24.1	24	23.9	23.8	23.7	24.4
27.4	**29.4**	**29.4**	28.2	27.1	25.3	24.3	22.7	22.5	21.8	21.2	**20.7**	25
30.6	**31.9**	31.1	28.4	27.5	25.4	23.6	22.7	22.2	21.5	20.7	20.4	24.5
28	27	27.1	27.6	25.3	25	24.4	23.8	23.4	23	22.8	22.4	24
27.6	**28.6**	26.9	27.7	27.5	26.4	25.4	24.4	24	23	22.4	22.2	24.6
29.3	28.4	30.3	27.5	26.8	25.7	25.7	25.2	24.3	23.5	23.5	22.8	25.1
30.3	29.8	**31.6**	29.5	27.6	25.2	24.2	22.8	21.4	20.6	20	**19.7**	24.4
30.4	**31.7**	31.2	29.7	27.2	26.2	24.9	23.9	22.9	21.9	21.5	21	24.1
32.1	31.8	31.8	29.5	27.8	26	24.4	23.2	22.4	22	21.6	21.8	25.1
30.8	31.7	31.8	30.4	28.5	26.7	25.6	24.7	23.6	22.6	21.8	**20.9**	25.8
26.9	27.9	**30.2**	29	27.4	25.4	23	22.4	21.6	20.9	20.5	20.1	**23.4**
31.7	**32.1**	31.3	30	28.2	26	24.3	23.7	23.7	23.1	23	22.6	25.2
27.6	27.5	**29.1**	28.7	27.5	26.1	25	24.7	23.6	21.4	**20.8**	**20.8**	24.5
30.1	30.1	**30.3**	28.7	27.8	25.7	24.2	22.1	21.3	20.9	19.9	**19**	24.1
28.5	29.7	**30.9**	28.7	28.2	25.9	24.4	23.5	23.7	22.8	22	20.7	23.8
26.9	27.4	27.3	**28**	27	25.7	24.7	23.7	22.8	21.7	22.1	20.4	**23.4**
29.3	29.5	**29.6**	28.7	27.4	26	24.9	24.2	23.7	23	22.6	22.1	24.9

RELATIVE HUMIDITY (%).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	90	**93**	92	**93**	**93**	**93**	**93**	75	62	60	59	54
2	87	88	90	90	90	89	89	75	66	68	67	69
3	93	94	93	93	**96**	**96**	95	79	67.5	65	64	67
4	88	88	90	88	90	90	**93**	79	76	73	**65**	68
5	90	93	93	93	95	96	**97**	84	74	75	65	65
6	87	91	87	**92**	90	**92**	91	78	74	66	69	64
7	88	87	89	90	**95**	**95**	**95**	84	76	60	46.5	**46**
8	85	83	84	86	86	86	88	86	76	71.5	**71**	76
9	89	88	92	92	**92.5**	90	89	89	**72**	76	76	74
10	89	92	90	92	**93**	92	90	84	74	74	**72**	73
11	82	83	84	83	81	82	81	80.5	73	73	80	77
12	89	91	92	**95**	92	91	91	88	83	82	73	72
13	89	90	88	88	90	**91**	**91**	76	61	52	55	**51**
14	84	86	**87**	**87**	85	86	84.5	75	72	**59**	62	62
15	88	87.5	90	88	91	93.5	**94**	76	66	61	62	62
16	91	**92**	90	91	90	90	87.5	83	72	**67**	71	81
17	93	96	95	**97**	95	**97**	95	88	76	70	75	74
18	92	92	91	92	95	93	**96**	75	65	61	**48**	**48**
19	84	83	87	89	90	91	90	84	**71**	73	72	73
20	**99**	**99**	**99**	97	97	96	96	86	72	70	73	71
21	95	93	92	92	**98**	95	95	77	68	69	62	**52**
22	87	91	90	91	93	95	**96**	81	69	58	**44**	48
23	82	85	87	89	89	90	93	74	66	61	65	64
24	**99**	**99**	98	96	98	95	94	78	64	56	49	41
25	77.5	80	80	83	85.5	**87**	81	77	70	65	52	49
26	89	89	89	89	89	**93**	90	68	72	69	69	68
27	87	89	87	88.5	88	**89.5**	87	66	59	46	42	40
28	86	84	87.5	88	90	**91**	90	79	73	67	63	61
29	88	89	87	86	90	91	**92**	73	62	56	**47**	51
30	89	88	89	88	88	**90**	88	76	74	71	66	73
31	87	90	90	90	90	**93**	91	74	68	**59**	62	68
Mean	88.5	89.5	89.7	90.2	91.1	**91.6**	91.1	79	70.1	65.6	62.8	62.6

VAPOR PRESSURE (mm).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	15.3	15.3	15	15	15	**14.6**	15.7	17.1	17.2	17	17.4	16.3
2	15.7	**15.5**	**15.5**	**15.5**	15.6	15.8	16.9	18.2	19.1	19.8	19.6	**21.1**
3	16.9	16.8	16.5	16.3	**16.2**	**16.2**	17.1	18.9	18.8	18.8	18	19.2
4	17.3	17.6	17.5	17.4	17.4	**17**	17.3	17.5	18.9	20	18.4	18.6
5	19	18.8	18.7	18	18.1	18.4	19.8	20.4	21.1	21.1	19.3	19.4
6	**16.1**	16.3	16.5	17.5	17.4	17.5	17.4	18.1	18.6	18.8	19.1	19.2
7	18.4	18.3	18.1	17.5	17.6	17.5	18.4	18.5	18.2	16.9	14.2	**13.1**
8	18.3	18.1	**17.8**	18	18	18	18.8	19.7	19.9	20.2	20.5	21.9
9	22.2	21.9	21.8	21.8	22	22	21.9	23.3	**20.7**	22.7	23.1	**23.9**
10	21.7	21.9	21.7	20.6	20.9	20.9	21	22.1	22	22	22.1	22.7
11	19.9	19.6	19.7	19.3	**18.6**	**18.6**	19	21.3	20.9	21.3	21.5	21.4
12	20.3	20	19.6	19.5	19.5	19.4	19.7	21.2	22.3	22.1	21.3	22.1
13	17.5	17.7	16.6	16.7	16.9	16.4	17.1	**18.2**	17.7	**16.1**	18	17.3
14	16.6	16.4	**15.8**	**15.8**	**15.8**	16.6	18	17.3	18.4	16.7	17.5	18.4
15	**16.4**	17.1	17.3	16.5	16.7	16.9	17.6	18	18.1	18.3	18.8	17.9
16	17.7	17.5	17.3	16.8	16.7	**16.6**	17.1	17.5	17.9	18.2	19.7	20.3
17	20.2	20.3	20.4	20.5	20	19.8	20.1	21.1	21	20.1	20.3	20.2
18	16.3	16	15.8	16	15.6	15.5	16.2	17.2	**18.2**	17.8	16.1	16.8
19	15.5	**15.3**	15.7	15.7	15.5	16.4	16.9	17.7	18.5	18.1	19.4	20.2
20	19.6	19	18.5	18	18	17.6	18.6	19.4	19.1	19.5	19.9	19.4
21	17.9	17.4	17.2	17.2	17.5	16.7	17.5	18.5	**19.8**	19.1	18.5	17.7
22	16.8	16.8	16.2	16.1	16.2	16.4	16.8	18.5	**18.9**	16.3	14	15.3
23	**13.8**	14	14.1	14.2	14.3	14.3	15.2	15.7	17.4	17.2	17.9	18.7
24	17.7	17.3	16.8	16.6	17.6	18.2	18.4	**18.6**	18.5	16.4	14.9	14.2
25	15.7	16.1	16.7	16.8	16.3	16.7	16.7	**18.4**	**18.4**	**18.4**	17.5	17.3
26	15.7	15.3	15.3	15.1	14.8	14.8	15.2	16	16.9	17.9	17.4	18.2
27	14.8	15	14.7	14.9	15	15.4	16.8	16.4	16.1	14.4	14.2	13.9
28	16.7	17.2	17.1	17.2	16.8	16.7	17.4	17.5	**18.5**	17.4	18.1	17.2
29	15.7	15.3	16	**16.3**	15.9	15.9	16.1	15.9	15.5	15.5	14.6	15.7
30	14.1	13.9	13.7	13.7	**13.5**	14.1	15.1	16.6	19	18.6	19	19.4
31	15.1	15.1	14.8	14.7	14.7	**14.3**	14.9	15.3	15.6	16.4	17	18.1
Mean	17.3	17.2	17	**16.9**	**16.9**	**16.9**	17.6	18.4	18.7	18.5	18.3	18.6

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
58	58	**50**	68	63	67	72	76	82	85. 5	84. 5	86	75. 3
67	70	63	**55**	67	68	76	79	83	88	90	**94**	77. 8
61	64	59	**57**	63	70	75	80	80	84	86	87	77. 9
68	**65**	67	68	78	76	79. 5	84	86	86	90	90	80. 2
62. 5	**59**	67	75	61	65	68	74	80	83	87	88	78. 7
63	73	71	**63**	67. 5	72	79	80	81	85	87	89	78. 8
52	54	58	54. 5	65	71	74	77	75	81	81	84	74. 1
79	80	82	81	86	86	89	88	89	**90**	**90**	89	83. 6
78	76	80	77	79	83	81	88	89	86	89. 5	91	84
74	**72**	76	81	85	83	84	85	83	83	84	84	82. 9
69	**65**	**65**	69	75	82	81	82	83	**87**	86	86	78. 7
68	80	75. 5	75	**68**	76	80	78	77	77	79	87	81. 6
51	52	56	54	58	64	69	69	69. 5	76	82	86	71. 2
63	69	66	60	66	75	76. 5	80	82	81	86	**87**	75. 9
66	**55**	58	57	65	74	82	83	86	86	89	90	77. 1
79	74	73	68	74	82	90	91	91	**92**	**92**	**92**	83. 5
75	68	70	**67**	70	75	75	82	82	88	87	91	82. 5
52	49	50	55	51	60	68	71	74	77	82	83	71. 7
74	77. 5	80	78	91	92	94	97	97	97	97	**98**	**85. 7**
69	69	69. 5	68	68	**67**	74	77	79	87	91	88	81. 7
60	62	55	66	65	69	70	69	74	78	79	83	75. 8
51	50	47	46	50	57	61	65. 5	72	76	79	82	70
59	**51**	52	55	68	73	79	84	87	94	95	**96**	76. 6
41	**38**	41. 5	46	52	58	65	69	73	74	76	76	69. 9
56	49	**46**	46. 5	55	60	66	70	77	79	84	85	69. 2
70	60. 5	49	**43**	50. 5	60	68	70	75	78	81. 5	85	73. 5
38	**36**	39. 5	**47**	54	65	71	75	79	82	82	82	**67. 5**
63	58	50	**49**	54	62	70	70	76	83	85	85	73. 5
49	50	50. 5	53	49	56	64	72	78	76. 5	82	85. 5	69. 9
68	64. 5	**54**	58	58	68	69	72	69	77	79	85	75. 1
74	76	72	68	66	69	72	78	82	87	84	91	78. 4
63. 1	62. 1	**61**	61. 5	65. 2	70. 5	74. 9	77. 9	80. 3	83. 4	85. 4	87. 3	76. 9

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
17. 6	18. 4	17. 1	**18. 8**	17. 2	16. 8	16. 6	16. 3	16. 4	16. 3	16	15. 9	16. 4
19. 9	20. 5	20. 6	17. 2	17. 9	17. 1	17. 5	17. 3	17. 4	17. 5	17. 6	17. 5	17. 8
19. 7	19. 6	19. 7	17. 2	16. 9	17. 1	17. 1	17. 3	17. 2	17. 3	17. 5	17. 4	17. 7
20	19. 4	19. 2	19. 5	**20. 7**	19	18. 7	18. 8	19	19. 2	19. 3	19. 2	18. 6
20	19. 8	21. 3	**21. 6**	16. 9	16. 6	**16. 3**	16. 4	17	16. 6	16. 9	16. 8	18. 7
19. 3	**20. 9**	20. 1	17. 8	17. 8	17. 5	18	17. 7	17. 8	18	19. 1	18. 7	18. 1
15. 8	17. 7	16. 8	16	18	18. 4	18. 6	**18. 9**	18. 5	18. 5	18	18. 1	17. 5
21. 5	21. 9	22. 5	22. 1	22. 4	22. 5	22. 5	22. 6	22. 8	22. 6	**22. 9**	22	20. 7
23. 7	23	23. 1	21. 7	21. 9	21. 9	21. 6	22. 2	22. 2	22. 2	22. 6	21. 5	**22. 3**
22. 6	22. 3	**22. 9**	22. 7	22. 5	21. 7	21. 9	22. 1	21. 5	**20. 2**	**20. 2**	**20. 2**	21. 7
22. 1	21. 9	21. 9	21. 4	**22. 1**	21. 9	21. 3	20. 8	20. 4	20. 3	20. 1	20. 5	20. 7
21. 9	21. 1	22. 2	**22. 8**	19. 5	19. 8	19. 6	19. 3	18. 5	17. 9	**17. 7**	18	20. 2
16. 8	**18. 2**	17. 2	16. 3	16. 4	16. 4	16. 8	16. 9	16. 3	16. 4	16. 5	16. 5	17
18. 6	**19. 2**	18. 3	17	17. 1	17. 1	16. 7	16. 6	16. 5	16. 6	16. 9	17	17. 1
18. 9	18	18. 7	16. 8	17. 7	18. 5	18. 4	18	17. 8	17. 5	17. 5	17. 5	17. 7
20. 4	**20. 7**	20. 2	18. 8	19. 4	19. 9	20. 3	20. 2	20. 3	20. 3	20. 2	20. 1	18. 9
20. 3	20. 8	**21. 2**	19	18. 7	18	17	16. 8	16. 5	17. 1	**16. 3**	16. 5	19. 3
17	17. 3	16. 8	15. 7	**14**	14. 4	14. 7	14. 6	14. 7	14. 7	14. 8	14. 8	15. 9
20. 9	20. 5	21. 2	21. 3	**21. 8**	21. 6	21. 3	21. 2	20. 8	20. 3	20. 1	19. 8	19
19	**20. 1**	18. 3	18. 7	18. 7	**17. 1**	17. 7	17. 5	17. 5	18. 1	18. 3	17. 6	18. 6
18. 1	17. 9	17. 8	18. 1	17. 1	17	17. 2	**16. 4**	16. 6	16. 8	17	17	17. 6
16. 4	15. 6	16. 1	14. 1	13. 8	**13. 5**	13. 6	**13. 5**	13. 6	13. 8	13. 8	14	15. 4
19	17. 6	17. 5	17. 1	18. 3	18. 3	18. 6	18. 5	18	18. 3	18. 2	17. 8	16. 8
14. 5	**13. 3**	14. 5	14. 1	14. 3	14. 4	14. 7	14. 6	14. 8	14. 5	14. 6	14. 8	15. 8
18. 4	17	16	**15**	16	15. 7	16	16. 2	16. 7	16. 1	16. 3	15. 7	16. 7
18. 5	16. 9	15. 7	**12. 7**	13. 7	14. 4	14. 2	14. 1	14. 4	14. 4	14. 6	14. 9	15. 5
13. 3	**12. 7**	13. 4	14. 9	15. 5	16. 1	16. 1	16. 3	**17. 2**	**17. 2**	17. 1	16. 8	15. 3
17. 3	15. 7	14. 9	**14. 5**	14. 9	15. 7	16. 4	16. 2	16. 6	15. 7	15. 6	15. 6	16. 5
15. 6	15. 9	16. 2	15. 5	**13. 6**	13. 7	14. 3	14. 3	14. 6	14. 1	14. 2	14	**15. 2**
19. 8	**20**	17. 9	17	16. 6	16. 9	15. 7	15. 4	15. 1	15. 8	15. 5	15. 5	16. 3
19. 4	**20. 5**	19. 4	19. 1	17. 5	16. 8	16. 7	17	16. 9	16. 7	16. 6	16. 2	16. 6
18. 9	**18. 9**	18. 7	17. 9	17. 7	17. 6	17. 6	17. 5	17. 5	17. 5	17. 5	17. 4	17. 8

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	A.-Cu.											
2												
3					Ci.-Cu.							
4			A.-Cu.		A.-Cu.		Ci.-S.		A.-Cu.			
5	A.-Cu.		A.-Cu.		Ci.				Ci.-S.		A.-Cu.	
6	A.-Cu.		Ci.		Ci.-S.		Ci.-S.					
7	Ci.-S.		Ci.-S.	ESE	Ci.-S.	ESE	Ci.-S.	ESE	Ci.-S.		Ci.-S.	
8	A.-Cu.		A.-S.		A.-S.		A.-S.		Ci.-S.		A.-S.	
9	A.-Cu.				Ci.				Ci.-S.		A.-Cu.	
10			Ci.		Ci.		Ci.-S.		A.-Cu.		Ci.	
11			Ci.-S.		Ci.-S.		Ci.					
12			A.-Cu.				Ci.-S.		Ci.-S.		A.-Cu.	
13	Ci.											
14			A.-Cu.		A.-Cu.							
15			Ci.									
16			A.-Cu.									
17	A.-Cu.											
18	Ci.											
19					Ci.							
20												
21	Ci.		Ci.									
22												
23												
24												
25					A.-Cu.							
26					Ci.							
27	A.-Cu.											
28	A.-Cu.											
29	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
30	Ci.		Ci.		Ci.		Ci.-S.		Ci.-S.		Ci.-S.	
31			Ci.									

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Cu.		Cu.		Cu.	ENE	Cu.	ENE	Cu.		Cu.	
2	Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	
3	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E
4	Cu.		S.-Cu.	E	S.-Cu.	E	Cu.	E	Cu.	E	Cu.	E
5	S.-Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E
6	Cu	E	Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.-N.	
7	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
8	S.-Cu.		S.-Cu.	W	S.-Cu.	W	Cu.	W	Cu.	W	Fr.-N.	
9	Cu.	SW	Cu.-N.	SW	Cu.		Cu.		Cu.		Cu.	
10	S.-Cu.		S.-Cu.	SW	Cu.	SW	Cu.		Cu.		Cu.	
11	S.-Cu.	ENE	S.-Cu.	ENE	Cu.-N.	ENE	Cu.-N.	ENE	Cu.-N.	ENE	Cu.-N.	
12	Cu.-N.		Cu.		Cu.	ENE	Cu.	ENE	Cu.		Cu.	E
13	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	
14	Cu.-N.		S.-Cu.	E	S.-Cu.	E	Cu.	E	Cu.	E	Cu.-N.	
15	Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	E
16	S.-Cu.	E	S.-Cu.	E	S.-Cu.		S.-Cu.	EbyN	N.-cf.	EbyN	N.	
17	Cu.		S.-Cu.	E	S.-Cu.	E	Cu.	E	N.-cf.	E	N.-cf.	
18	Cu.		Cu.		Cu.		Cu.	E	Fr.-Cu.	E	Cu.	
19	S.-Cu.		Cu.-N.	E	Cu.	E	Cu.-N.	E	Cu.-N.		Cu.-N.	
20	S.-Cu.		S.-Cu.		Cu.		Cu.	E	Cu.-N.	E	Cu.-N.	
21	Cu.		Cu.		Cu.	E	Cu.-N.	E	Cu.	E	Cu.	
22	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E
23	Cu.		Cu.		Cu.		Cu.		Cu.	E	Cu.	E
24	Fr.-Cu.	NE	Cu.		Cu.		Cu.	EbyN	Cu.	EbyN	Cu.	EbyN
25	Cu.		Cu.	E	Cu.		Cu.	E	Cu.		Cu.	
26	S.-Cu.		Cu.		Cu.		Cu.-N.	E	Cu.-N.	E	Cu.-N.	E
27	Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
28	Cu.	E	Cu.	E	S.-Cu.	E	N.-cf.	E	N.-cf.	E	N.-cf.	
29	Cu.		Cu.		Cu.		Cu.		Cu.	E	Cu.	E
30	Cu.		S.-Cu.		Cu.		Fr.-Cu.	EbyN	Cu.	EbyN	Cu.	EbyN
31	Cu.		S.-Cu.	EbyN	S.-Cu.	EbyN	S.-Cu.	EbyN	Cu.		N.-cf.	ENE

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
		Ci.-Cu.		A.-Cu.							
A.-Cu.		A.-Cu.									
A.-Cu.								A.-Cu.		Ci.-S.	
								Ci.-S.		Ci.-S.	
Ci.-S.		A.-Cu.		Ci.-S.		Ci.-S.					
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.			
A.-Cu.	W	Ci.-S.		Ci.-S.		A.-Cu.					
Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
								Ci.			
A.-Cu.								A.-Cu.			
								Ci.		Ci.	
		Ci.-S.		Ci.		Ci.		Ci.		Ci.	
		A.-Cu.		A.-Cu.							
								Ci.		Ci.	
								A.-Cu.			
				A.-Cu.						Ci.-S.	
				Ci.				A.-Cu.			
		Ci.		Ci.		Ci.		Ci.		Ci.	
				Ci.							
				A.-Cu.		Ci.		A.-Cu.		Ci.	
A.-Cu.		Ci.				Ci.-S.		Ci.-S.		Ci.	
Ci.		Ci.		Ci.		Ci.		Ci.			
				A.-Cu.		A.-Cu.		A.-Cu.		Ci.	

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Cu.	E	Cu.	E	Cu.-N.	E	Cu.	E	Cu.		Cu.	
N.-cf.	E	N.-cf.		N.-cf.	E	Cu.		Cu.	E	S.-Cu.	
Cu.	E	Cu.	E	Cu.	E	N.-cf.		S.-Cu.		S.-Cu.	
Cu.	E	Cu.	E	Cu.-N.	E	Cu.		Cu.-N.		Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.-N.		Cu.-N.	W	Cu.-N.	W	Cu.-N.		Cu.-N.	
Cu.		Fr.-Cu.	SW	S.-Cu.	SW	S.-Cu.	WSW	S.-Cu.	WSW	S.-Cu.	
Cu.		Cu.		Cu.		Cu.-N.		Cu.-N.		S.-Cu.	
Cu.-N.	ENE	Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.	E	Cu.	E	Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.		Cu.	
Cu.-N.		Cu.	E	Cu.-N.	E	Cu.		Cu.		Cu.	
Cu.	E	Cu.-N.	E	Cu.-N.	E	Cu.	E	Cu.-N.		Cu.	
Cu.-N.		Cu.	E	Cu.	E	Cu.-N.	E	Cu.-N.		N.	
Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.		Cu.	
Cu.	ESE	Cu.	ESE	Cu.	ESE	Cu.		Cu.		Cu.	
Cu.-N.		Fr.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.		Cu.-N.	
N.-cf.	E	N.-cf.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	
Cu.-N.	E	Cu.	E	Cu.	E	Cu.-N.	E	Cu.-N.		Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	
Cu.	EbyN	Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		S.-Cu.	
Cu.-N.	E	Cu.	E	Cu.	E	Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.-N.	E	Cu.		Cu.	
N.-cf.	E	N.-cf.	E	Cu.	E	Cu.		Cu.		Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.		Cu.	
Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
S.-Cu.	ENE	S.-Cu.	ENE	S.-Cu.	ENE	S.-Cu.		S.-Cu.	ENE	S.-Cu.	

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	Calm		Calm		Calm		Calm		Calm		Calm	
2	Calm		Calm		Calm		Calm		Calm		Calm	
3	Calm		Calm		Calm		Calm		Calm		Calm	
4	Calm		Calm		Calm		N	0.5	N	1.5	Calm	
5	Calm		Calm		Calm		Calm		Calm		Calm	
6	Calm		Calm		Calm		Calm		Calm		Calm	
7	ESE	1.5	ESE	1	ESE	1	E	1	Calm		Calm	
8	Calm		NNE	1.5	Calm		Calm		Calm		NE	0.5
9	SSW	3	SbyW	4	SbyW	2.5	SbyW	3	SbyW	3.5	SbyW	5
10	S	1.5	SSW	2.5	SSW	2	Calm		SSE	1	S	2
11	NE	3	NE	3	NNE	3	NNE	3	NNE	2.5	NNE	2
12	Calm		Calm		Calm		Calm		NNE	1	Calm	
13	NNE	1	ENE	1	ENE	.5	ESE	1	NE	1.5	Calm	
14	E	1	NNE	.5	NNE	.5	NE	.5	ESE	3	ESE	1
15	Calm		Calm		Calm		Calm		Calm		Calm	
16	ENE	.5	NNE	1.5	NNE	2	NNE	2	NNE	2	NNE	2.5
17	Calm		Calm		Calm		Calm		Calm		Calm	
18	NNE	1	Calm		Calm		NNE	1	NNE	1	Calm	
19	N	1.5	NE	3	Calm		N	1	Calm		Calm	
20	Calm		Calm		NE	1.5	N	2	N	1	Calm	
21	Calm		ESE	.5	ENE	1	Calm		NE	1	Calm	
22	Calm		NE	1	NNE	1	NNE	2	NNE	1.5	Calm	
23	ESE	.5	Calm		NNE	.5	NNE	1.5	NE	1	Calm	
24	Calm		Calm		Calm		Calm		ENE	1	NNE	1.5
25	S	1	Calm		ESE	2	Calm		Calm		Calm	
26	Calm		Calm		Calm		Calm		ENE	.5	Calm	
27	Calm		Calm		Calm		N	1	NNE	1	Calm	
28	Calm		Calm		N	1.5	NE	1.5	NNE	1.5	Calm	
29	Calm		Calm		NNE	1.5	NNE	2.5	Calm		NE	1.5
30	Calm		Calm		NE	.5	NE	.5	Calm		Calm	
31	NE	.5	NNE	.5	Calm		NE	1.5	NNE	2.5	Calm	
Mean		0.5		0.6		0.7		0.8		0.9		0.5

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	WSW	0.5	W	1.5	Calm		E	2	SE	1.5	ESE	0.5
2	W	3	WSW	1.5	W	0.5	ESE	1	ENE	1	ENE	1
3	SSW	2.5	SW	.5	SW	1.5	Calm		NEbyE	3.5	ENE	1
4	Calm		WSW	3	W	2.5	Calm		Calm		NNE	1.5
5	NW	2	NW	2	Calm		Calm		Calm		ESE	1.5
6	NE	.5	Calm		Calm		Calm		N	1	NNE	1.5
7	NW	3	WSW	2.5	W	2.5	WNW	3	Calm		Calm	
8	SWbyW	7	SWbyW	8	SWbyW	7	SWbyW	7	SWbyW	6.5	SWbyW	4
9	SW	3	SW	4	SW	3	SW	1.5	SW	3.5	SSW	2.5
10	SWbyW	5	SW	3.5	SW	5	SW	7	SWbyW	7	SW	5
11	WNW	3	W	3.5	Calm		W	.5	Calm		Calm	
12	NW	1.5	NE	2.5	NNE	1	NE	.5	SE	.5	Calm	
13	ESE	2.5	ESE	6.5	ENE	6	ESE	1	E	2	ENE	3
14	ENE	4.5	NNE	5	NE	3	ENE	4	Calm		Calm	
15	Calm		ESE	7	ESE	4	E	6	E	3.5	Calm	
16	Calm		NNW	1	Calm		NNE	1	NNE	1	Calm	
17	NW	2.5	WNW	3	Calm		SE	2	ESE	2	ESE	.5
18	ESE	4	SE	7	E	1.5	ESE	3.5	SE	1.5	Calm	
19	W	2.5	Calm		Calm		Calm		Calm		Calm	
20	WSW	2	SW	3	ESE	8	ESE	2	ESE	3	ESE	1.5
21	ESE	1.5	SE	5	ESE	6	ESE	4	ESE	1.5	ENE	2
22	ESE	2.5	SE	4.5	ESE	2.5	E	3.5	ESE	3	ESE	1.5
23	SSE	1.5	E	2.5	ENE	5	E	2.5	NE	1.5	Calm	
24	ESE	5	E	7	E	5	E	5.5	ESE	3	ESE	1
25	Calm		SE	2.5	E	4.5	ESE	3	ESE	1.5	ENE	2.5
26	WSW	2.5	NNW	1.5	E	3	E	2.5	E	4.5	E	1.5
27	E	8	E	7	ENE	6	ENE	4	ENE	3.5	EbyS	2
28	ESE	1.5	E	6	NE	2.5	SE	4	ESE	2	Calm	
29	NNW	1	SW	2.5	Calm		NNE	3	ENE	3	ENE	1
30	WSW	2.5	WSW	1	SE	2.5	SE	4.5	E	3.5	Calm	
31	SW	2	Calm		ENE	3.5	NE	1.5	E	5	SEbyE	1.5
Mean		2.5		3.4		2.8		2.6		2.2		1.2

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
Calm		Calm		Calm		WSW	2.5	W	5	W	3
Calm		Calm		Calm		Calm		WNW	4.5	WSW	5.5
Calm		Calm		NNE	1	N	1	WNW	1.5	NNE	.5
Calm		NNE	1.5	Calm		NW	3	NW	4	WNW	2
Calm		Calm		Calm		W	3	W	4	W	3
Calm		Calm		Calm		Calm		Calm		WNW	3.5
Calm		Calm		N	2	NNE	2	NE	5	N	6
Calm		Calm		Calm		Calm		SW	2	SW	9
S	2	S	2	SW	4	SSW	4.5	SSW	4.5	SW	2.5
S	2	SSW	2.5	SSW	2.5	SW	2.5	WSW	4.5	SWbyW	4.5
NNE	1.5	Calm		NNW	2.5	NW	1.5	NW	4.5	WNW	.5
Calm		Calm		Calm		Calm		Calm		W	1.5
Calm		Calm		NNE	1.5	E	1.5	ESE	3	EbyN	3
Calm		Calm		NNW	4.5	N	2.5	NNE	3	Calm	
Calm		Calm		Calm		Calm		NNW	1	NW	4.5
NNE	.5	NNE	3	NNE	2	N	2.5	NE	1	Calm	
Calm		E	.5	Calm		Calm		NNW	.5	NNW	.5
Calm		Calm		E	.5	ESE	2	ESE	6.5	ESE	3
Calm		Calm		Calm		NW	4.5	NW	2.5	WNW	2
Calm		Calm		Calm		Calm		SSW	.5	WSW	1
Calm		Calm		Calm		ESE	.5	ESE	.5	E	6.5
Calm		NNE	3.5	NE	1	NE	5	E	6	SE	2.5
NE	.5	Calm		NNW	1	WNW	1.5	NW	3	E	1.5
Calm		Calm		E	.5	ESE	1.5	E	7	ENE	1.5
Calm		NE	.5	NE	1.5	Calm		ESE	1.5	ESE	1
Calm		Calm		ENE	.5	N	3	Calm		WSW	.5
Calm		NNW	1.5	NNW	1	ENE	3.5	ENE	7.5	E	6
E	1	Calm		Calm		NNE	1.5	NE	1	ENE	1.5
Calm		NNE	3	NE	1.5	Calm		Calm		W	5
Calm		Calm		Calm		WSW	3.5	WbyN	3	W	6
Calm		NNE	1	NNE	1.5	Calm		WNW	4	WNW	.5
	0.2		0.6		0.9		1.7		2.9		2.8

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		Midnight.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
Calm		Calm		Calm		Calm		Calm		Calm		0.7
Calm		Calm		Calm		Calm		Calm		Calm		.8
NE	1.5	E	1	E	1.5	E	1.5	Calm		Calm		.8
Calm		Calm		Calm		Calm		Calm		Calm		.8
Calm		Calm		SSE	.5	Calm		Calm		Calm		.7
Calm		ENE	2	ENE	1.5	Calm		ENE	0.5	ENE	1	.5
Calm		Calm		Calm		Calm		N	1.5	Calm		1.3
SSW	5	SSW	5.5	SWbyS	4.5	SSW	5	SSW	5	SbyW	4.5	3.4
W	2	SSW	2	SSW	.5	SWbyS	2	SW	.5	Calm		2.7
SW	5	SW	2	NNE	3	ENE	2.5	E	2	E	.5	3.1
Calm		ENE	1	ESE	.5	Calm		SE	.5	Calm		1.5
ESE	2	SE	2	ESE	2.5	ESE	2.5	ESE	2	Calm		.8
ENE	1	ENE	2	ESE	2	NNE	2	NNE	1.5	NNE	1	1.9
Calm		Calm		Calm		Calm		Calm		Calm		1.4
Calm		ENE	1	ENE	.5	Calm		Calm		Calm		1.1
Calm		Calm		Calm		Calm		Calm		Calm		.9
ESE	2	ESE	1.5	ESE	1.5	ESE	1.5	ESE	1.5	NNE	1.5	.9
Calm		SE	2.5	E	2.5	SE	2	N	2.5	N	2	1.8
Calm		Calm		Calm		Calm		Calm		NE	1	.8
Calm		Calm		Calm		Calm		Calm		Calm		1.1
E	1	EbyN	3	ESE	2	ESE	1.5	ESE	2	ESE	1.5	1.7
E	4	ENE	2	ENE	1.5	Calm		Calm		Calm		2
E	1	Calm		Calm		Calm		Calm		Calm		1
ENE	1.5	ENE	1	NE	1	NE	1	NE	1	ESE	1	1.9
ENE	1.5	ENE	1.5	ENE	1	E	1.5	E	1	Calm		1.2
Calm		Calm		Calm		Calm		Calm		Calm		.8
Calm		ENE	1	ENE	1	Calm		Calm		Calm		2.2
Calm		Calm		Calm		Calm		Calm		Calm		1.1
NE	2.5	NE	.5	Calm		NE	.5	Calm		Calm		1.2
SEbyE	1	SEbyS	2	SEbyS	3	SSE	1.5	SE	1	EbyS	.5	1.5
ESE	1.5	SE	1	ESE	.5	SE	.5	SE	.5	Calm		1.2
	1		1.1		1		0.8		0.7		0.5	1.4

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	0.5	0	0	0.5	0.5	0.5	0	0	7	4	12	**15**
2	0	0	0	.5	.5	.5	.5	1	1.5	6.5	**14**	13.5
3	0	1	1	.5	2	.5	2	1.5	3.5	7	**13**	8.5
4	0	0	.5	2	4	3.5	3.5	1.5	4.5	5.5	9	**10**
5	0	.5	4	1	0	1	1.5	4.5	.5	6	14.5	13.5
6	1	1	.5	2	6.5	6.5	2.5	2	2.5	3.5	10	**15**
7	5.5	3.5	5	2	1.5	0	1.5	0	5	9	**29**	25
8	.5	3	.5	0	1	2.5	1.5	1.5	.5	.5	10.5	27
9	14.5	16.5	12	15	11	11.5	11.5	10.5	12.5	14.5	16.5	16
10	4	5	6	1.5	1.5	4.5	4.5	6	8	10	14.5	18
11	6.5	9.5	8	7	8.5	11	9	7.5	12.5	7	**14.5**	11
12	4.5	1.5	3	.5	5	7.5	8	4	2	3	5	9
13	3.5	3	2.5	2.5	5	4	6	9	7	13	**25**	17
14	3	2	2	2	5	7.5	7.5	9.5	12	14	14	5
15	.5	0	0	0	1	.5	2	5.5	2.5	3.5	7.5	11
16	1	3	5	7	8.5	8	9.5	9.5	12	**16**	14.5	3.5
17	1	.5	0	1	1	2.5	2.5	1.5	2	3	6	8
18	3.5	2	1	2.5	4.5	6	1.5	1	2.5	5.5	**22**	19
19	3.5	6.5	3.5	1.5	2.5	1.5	3	2.5	7	10.5	**13**	12
20	1	0	3	4.5	4.5	4	4	0	2.5	2.5	3	8
21	2	2	2	1.5	3	2.5	4	3.5	3.5	5	12	14
22	1	2.5	3	3.5	5	4.5	3.5	8.5	10.5	19	**26**	15
23	1	4	3	8	4	4	2	1.5	1.5	4	9	10
24	2	1.5	3.5	2.5	5.5	10	9	6	5	3	21	21
25	3	1.5	3.5	4.5	1.5	5	6	7	14	13	11	14
26	2	1.5	3	4	7	6	6	5	6	10	5.5	9.5
27	1.5	1	1	3	4.5	3.5	2	4	5	11	25.5	18.5
28	0	1	4	5	3	1	2.5	1	.5	6	8	13
29	3	1.5	3.5	9	6	4	6	5.5	8.5	4	5	**10.5**
30	.5	2	2	2.5	2.5	1	1	.5	4.5	1.5	14	16.5
31	2.5	2.5	3	5	7.5	5.5	5.5	8.5	11.5	5.5	7	**12.5**
Mean	**2.3**	2.6	2.9	3.3	4	4.2	4.2	4.2	5.7	7.3	13.3	13.5

AMOUNT OF CLOUDS (0–10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	4	3	2	3	5	7	5	4	8	8	3	2	4.5	7 20
2	4	3	3	4	6	6	10	9	8	3	3	0	4.9	6 30
3	3	2	2	7	8	8	9	6	4	5	1	1	4.7	7 30
4	4	8	9	7	9	9	8	5	9	10	7	9	7.8	2 00
5	7	7	4	6	9	8	7	7	10	8	5	4	6.8	5 15
6	5	6	6	7	10	8	10	10	10	10	10	9	8.4	3 10
7	10	10	9	10	10	10	9	8	7	9	9	10	9.2	2 50
8	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
9	7	9	7	7	5	4	3	4	5	7	9	6	6.1	6 10
10	3	3	2	1	2	3	4	5	4	4	4	4	3.2	8 00
11	10	9	7	9	10	9	8	7	3	3	2	2	6.6	5 45
12	10	8	10	8	8	8	9	9	8	5	5	6	7.8	2 40
13	3	1	1	4	5	4	5	4	4	4	3	3	3.4	**8 50**
14	10	6	10	4	8	10	10	6	7	3	2	3	6.6	**3** 05
15	4	4	8	8	8	9	8	9	8	9	8	8	7.6	5 35
16	9	8	8	9	9	10	10	9	10	10	10	10	9.3	0 45
17	2	4	5	7	9	7	5	4	6	4	3	2	4.8	5 05
18	2	1	1	4	6	5	4	3	3	2	0	1	**2.7**	**8 50**
19	10	10	5	9	9	9	10	10	10	10	10	10	9.3	1 55
20	4	2	2	10	10	10	5	8	10	10	10	8	7.4	4 10
21	4	3	2	10	9	8	10	9	6	10	10	10	7.6	5 10
22	2	2	2	4	5	5	5	6	4	2	2	2	3.4	8 00
23	2	2	3	4	8	6	5	5	6	9	9	8	5.6	7 25
24	4	2	2	6	4	4	4	2	3	3	2	2	3.2	8 20
25	4	9	3	3	3	2	3	2	2	2	4	6	3.6	7 30
26	8	3	4	10	10	10	8	7	6	4	4	4	6.5	5 55
27	6	6	4	5	4	4	4	4	3	7	4	2	4.4	8 40
28	9	10	10	10	9	10	10	8	7	5	5	8	8.4	2 10
29	9	8	8	8	7	5	8	6	5	5	5	3	6.4	8 05
30	3	3	3	4	4	5	7	7	6	5	8	8	5.2	7 10
31	2	4	9	4	5	9	9	9	9	5	4	3	6	3 30
Total														167 20
Mean	5.6	5.4	5.2	6.5	7.2	7.2	7.2	6.5	6.5	6.2	5.5	5.3	6.2	5 24

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–Mdt.	Mean.
5.5	7.5	6	10.5	9.5	4	3	0.5	0	0.5	0	1	3.7
10	9	5.5	5	10	7	2.5	2.5	.5	0	0	.5	3.8
6.5	5.5	7.5	7	8	8	6	3	4	4	2	2	4.3
6	7	8	4	.5	5.5	4.5	.5	0	0	0	0	**3.3**
15	14	8	0	6	6	7	3.5	3	.5	.5	.5	4.6
8	8	3	5	10	9	5.5	5.5	7	.5	2	2.5	5
12	13	16	14	10	5	2.5	0	.5	1.5	4.5	.5	6.9
35	32	33	31.5	29	22.5	19	18.5	22.5	18	21	19	**14.6**
19.5	**21.5**	**21.5**	20	18.5	13	5.5	4	4.5	6	3	.5	12.5
24	22	**26**	24	**26**	23	19	15	6.5	13.5	7.5	6	12.3
11	13.5	6	7.5	3.5	1	.5	4.5	4	4	7	8	7.6
8.5	**12.5**	7.5	7	10.5	6	7	11	10	11	8	1.5	6.4
19.5	15.5	14	16	12	10	9.5	7	7.5	6.5	5.5	2.5	9.3
12	**20**	13	13	12	3.5	4.5	3	2	2.5	.5	.5	7.1
11	13	**22**	20	17	12	4.5	2.5	3	1	2	.5	5.9
5.5	9.5	6	12	12.5	3.5	.5	.5	0	.5	1	1.5	6.3
10	14	8.5	**16.5**	14.5	8.5	7.5	4.5	6	6	5	5	5.6
19.5	20.5	17.5	21.5	15	9	6	8	7	6	4.5	4	8.7
13	7	5	4	6	4	2	1	0	1.5	1.5	3	4.8
11	10	12	**13**	11	9.5	8.5	1.5	2.5	2	1.5	1.5	5
15	**19**	18	18	15.5	10.5	9.5	12.5	10	6	6	5	8.3
17	16.5	14.5	13	15	10	17	9	7	2	0	0	9.3
17	14	16	**17**	11	6.5	4	2.5	.5	1.5	1	2	6
21	20	22	**23**	14	9	6	4	4	5	3	3	9.3
9	14	**20**	13	13	8	13	10.5	6	4.5	5	2.5	8.4
14.5	5.5	**21**	19	18	11	4	1	1	1	.5	2	6.8
30	24	24	21	21	15	4	4	3.5	3.5	0	1	9.6
12	**20**	16	13	16	7.5	1.5	0	2	1	1	1	5.7
10.5	8	6	6	10	9.5	9	4	.5	1.5	1	.5	5.5
15.5	14.5	13	**18.5**	17.5	9	4	7.5	9.5	13.5	8.5	5	7.7
10.5	3.5	8.5	4	8.5	7.5	7	4.5	2.5	3	3	1	5.8
14	**14**	13.7	13.5	12.9	8.8	6.6	5	4.4	4.1	3.4	2.7	7.1

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1					1	1	1					2	3				16	88	4.4	
2				2		1						2	2	1			16	91	3.7	
3	1	2	1	2	3					1	2			1			11	104	3.8	
4	2	2										1	1	1	2		15	**80**	3	
5						1		1					3		2		17	111	3.7	
6	1	1	1	4										1			16	119	3	
7	3	1	1		1	3				5	3	1	1	1	1		11	166.5	5	
8		1	1						2	11	9	6					8	**350**	3.1	
9									3	4	7		1				1	299.5	3.5	
10		1		1	2			1				4					1	296	3.9	
11		5	2	1		1	1						2	2	2	1	7	182.5	3.2	
12		2	2			4	2						1		1		12	153.5	2.5	0.9
13		5	1	6	3	6										1	3	223	6.1	
14	1	4	2	2	1	2										1	11	170	3.7	
15				2	2	2									1	1	16	142.5	4.1	
16	1	10	1	1										1	1	1	10	150.5	1.7	**6.6**
17		1			1	7	1									2	10	135	4.8	
18	2	3			3	5	4										7	209.5	6.6	
19	2		2										1	1	2		16	115	**1.6**	.5
20	2		1			4				1	1	2					13	121	3.1	
21			1	2	3	11	1										6	200	4.4	
22		4	3	2	3	4	2										6	223	5.7	
23		2	3	1	4	1		1						1	1	1	9	145	4.6	
24		1	3	4	5	5											6	224	6.6	
25			2	4	3	5	1		1								8	202.5	5.9	
26	1			2	4							2				1	14	164	4.4	
27	1	1		1	3	1										2	9	231.5	**7.6**	
28	1	2	3	1	2	2	1										12	136	4.6	
29		4	5	2							1		1			1	10	133	5.2	
30			2		1	1	6	1				3	1	1			8	184.5	5.3	
31		4	3	1	1	2	4				1			2			6	140	3.5	
Total	18	56	40	47	46	69	24	4	6	22	24	23	17	13	13	11	311	5,291	132.3	8
Mean	0.6	1.8	1.3	1.5	1.5	2.2	0.8	**0.1**	0.2	0.7	0.8	0.7	0.5	0.4	0.4	0.4	**10**	170.7	4.3	0.3

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°C.		*Per cent.*	*mm.*	*mm.*		°C.		*Per cent.*	*mm.*
1	762.60	9.00a.	32.9	3.05p.	93	18.8	759.46	3.00p.	18	5.50a.	50	14.6
2	61.65	8.35a.	32.4	3.15p.	94	21.1	58.62	4.00p.	19.4	4.15a.	55	15.5
3	61.90	8.25a.	32.4	0.55p.	96	19.7	58.85	3.10p.	18	6.10a.	57	16.2
4	61.54	9.00a.	31.5	2.25p.	93	20.7	58.18	3.00p.	21	6.40a.	65	17
5	61.05	8.15a.	32.4	2.05p.	97	21.6	57.95	3.05p.	21	5.10a.	59	16.3
6	60.60	8.15a.	31.8	1.20p.	92	20.9	57.50	3.00p.	20.4	2.05a.	63	16.1
7	59.70	8.35a.	32	2.05p.	95	18.9	56.72	4.00p.	20.6	5.55a.	46	13.1
8	**57.50**	8.40a.	**29.7**	10.50a.	90	22.9	55.55	2.50p.	22.3	5.45a.	71	17.8
9	58	10.00p.	31.8	0.10p.	92.5	**23.9**	55.65	2.45p.	**24.8**	5.40a.	**72**	**20.7**
10	58.20	8.30a.	31.4	0.20p.	93	22.9	**55.35**	3.55p.	23.6	3.30a.	**72**	20.2
11	59.05	11.30p.	32.7	3.20p.	**87**	22.1	55.58	3.00p.	24.3	5.55a.	65	18.6
12	61.37	9.00a.	32	1.15p.	95	22.8	58.20	3.00a.	22.5	4.15a.	68	17.7
13	62.25	8.30a.	33.1	11.45a.	91	18.2	58.95	3.15p.	19.9	6.40a.	51	16.1
14	62.70	8.20a.	30.6	10.20a.	**87**	19.2	59.35	2.45p.	20	2.50a.	59	15.8
15	62.95	8.30a.	32.1	2.30p.	94	18.9	59.50	3.15p.	20.2	6.20a.	55	16.4
16	63.40	9.15p.	30.1	2.25p.	92	20.7	60.55	3.20p.	20.5	5.50a.	67	16.6
17	63.25	10.00p.	31.6	2.45p.	97	21.2	60.30	3.20p.	20.7	12m. n.	67	16.3
18	64.09	9.00a.	33.3	0.40p.	96	18.2	61.33	3.00p.	19	5.05a.	48	14
19	63.70	9.25a.	**29.7**	11.50a.	98	21.8	60.50	3.10p.	19.4	5.15a.	71	15.3
20	63.90	10.00p.	31.8	1.45p.	**99**	20.1	61.15	2.20p.	20.6	5.15a.	67	17.1
21	64.55	10.05a.	32.5	0.10p.	98	19.8	**62.15**	3.05p.	19.9	6.05a.	52	16.4
22	64.60	8.35a.	32.9	1.20p.	96	18.9	61.50	3.10p.	19	5.50a.	44	13.5
23	64.55	8.40a.	33.3	2.20p.	96	19	61.45	2.25p.	**17.2**	6.10a.	51	13.8
24	**65.05**	8.05a.	**33.5**	1.45p.	**99**	18.6	61.60	2.25p.	19.3	3.35a.	38	13.3
25	63.70	8.45a.	**33.5**	0.05p.	**87**	18.4	60.42	3.00p.	20.6	11.45p.	46	15
26	63.05	8.05a.	31.9	2.55p.	93	18.5	59.60	2.55p.	18.3	6.05a.	43	**12.7**
27	62.90	9.25a.	32.9	2.05p.	89.5	17.2	60.04	3.00p.	18.7	2.15a.	**36**	**12.7**
28	62.95	8.55a.	31	3.20p.	91	18.5	59.35	3.25p.	20.3	5.50a.	49	14.5
29	62.65	8.35a.	32.4	2.35p.	92	**16.3**	59.17	3.00p.	18.9	11.55p.	47	13.6
30	62.15	9.15a.	32.1	3.05p.	90	20	58.40	3.20p.	17.4	5.40a.	54	13.5
31	62.25	9.15a.	30.1	10.20a.	93	20.5	58.75	2.55p.	17.6	6.15a.	59	14.3
Mean	762.19	-------	32	-------	93.4	20	759.09	-------	20.1	-------	56.4	15.6

DAILY GENERAL REMARKS.

1---Cloudy weather.
2---∞ in the afternoon.
3---∞ in the afternoon; slight coloration of clouds at sunset.
4---Slight coloration of clouds at sunset.
5---Cloudy weather.
6---⊤° W quadrant in the afternoon.
7---Overcast.
8---d° 2.10 p. m.; somewhat gusty SW winds in the afternoon, backing to S at night.
9---◠, d° in the morning.
10---⊕, somewhat gusty SW winds in the afternoon.
11---Cloudy weather.
12---Some ●° in the morning and afternoon.
13---Gentle Ely breeze in the afternoon.
14---d°, coloration of clouds, ◠² early in the morning.
15---Gentle Ely breeze in the afternoon.
16---d in the forenoon; ● at night.
17---Cloudy weather.
18---Gentle SE breeze in the forenoon and afternoon.
19---d in the morning and afternoon.
20---d°, somewhat gusty ESE winds in the afternoon.
21---d° in the morning.
22---Cloudy weather.
23---Do.
24---Gentle Ely breeze in the forenoon and afternoon.
25---d°, ◠ in the morning.
26---Cloudy weather.
27---Somewhat gusty Ely winds in the forenoon and afternoon.
28---Overcast in general.
29---Cloudy weather.
30---Do.
31---d in the afternoon.

GENERAL SUMMARY FOR 1911.

MONTHLY AND YEARLY RESULTS OF METEOROLOGICAL OBSERVATIONS FOR 1911 AND COMPARISONS WITH THEIR NORMAL VALUES.

Month.	Atmospheric pressure.									
	Mean, 1911.	Normal, 1885-1911.	Departure.	Mean maximum.	Mean minimum.	Absolute maximum.	Day.	Absolute minimum.	Day.	Range.
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*		*mm.*		*mm.*
January	759.77	761.02	—1.25	761.20	758.09	763.80	8	755.40	28	8.40
February	60.84	61.28	— .44	62.33	59.20	64.45	20	56.10	1	8.35
March	60.48	60.52	— .04	62.05	58.64	63.80	27	56.94	15	6.86
April	58.59	59.35	— .76	60.07	56.78	62.45	21	52.85	23	9.60
May	58.35	58.36	— .01	59.71	56.58	61.55	5	54.90	24	6.65
June	58.18	57.94	+ .24	59.44	56.75	61.50	22	53.40	18	8.10
July	56.14	57.29	—1.15	57.60	54.67	60.45	3	50.19	14	10.26
August	56.18	57.36	—1.18	57.65	54.93	60.10	16	51.05	25	9.05
September	56.95	57.48	— .53	58.40	55.38	60.54	11	48.80	27	11.74
October	60.37	58.67	+1.70	61.75	58.92	63.85	28	56.55	1	7.30
November	60.57	59.37	+1.20	61.98	58.89	64.10	10	56.17	6	7.93
December	60.77	60.44	+ .33	62.19	59.09	65.05	24	55.35	10	9.70
Year	758.93	759.09	—0.16	760.36	757.33	765.05	XII, 24	748.80	IX, 27	16.25

Month.	Temperature in shade.									
	Mean, 1911.	Normal, 1885-1911.	Departure.	Mean maximum.	Mean minimum.	Absolute maximum.	Day.	Absolute minimum.	Day.	Range.
	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*		°*C.*		°*C.*
January	25	25	0	30.9	20.7	33.5	31	18.4	4	15.1
February	24.8	25.3	— .5	30.6	20.4	33.3	1	18	22, 23	15.3
March	25.5	26.6	—1.1	32	20	34.7	16	16.2	9, 10	18.5
April	27	28.2	—1.2	33.1	22.4	35.6	17	18	1	17.6
May	27.4	28.5	—1.1	33.6	23.2	35	25	21.7	8	13.3
June	27.2	27.9	— .7	32.6	23.4	34.6	6	22	22	12.6
July	26.4	27.1	— .7	30.8	23.4	33.3	8	21.4	15	11.9
August	26.8	27.1	— .3	31	24.2	32.7	11	22.1	21	10.6
September	26.9	26.9	0	31.6	23.6	33.4	13	21.8	10	11.6
October	26.1	26.8	— .7	32.2	22.1	33.5	14	19.9	22	13.6
November	25.1	25.9	— .8	32.1	19.9	33.9	16	16.8	30	17.1
December	24.9	25.2	— .3	32	20.1	33.5	24, 25	17.2	23	16.3
Year	26.1	26.7	—0.6	31.9	22	35.6	IV, 17	16.2	III, 9, 10	19.4

Month.	Relative humidity.									
	Mean, 1911.	Normal, 1885-1911.	Departure.	Mean maximum.	Mean minimum.	Maximum.	Day.	Minimum.	Day.	Range.
	Per cent.	*Per cent.*	*Per cent.*	*Per cent.*	*Per cent.*	*Per cent.*		*Per cent.*		*Per cent.*
January	81	78	+3	95.3	63.4	99	10, 17, 29	52	31	47
February	75.4	74	+1.4	91.6	56.1	99	11, 12	48	1, 3, 9, 10, 13	51
March	72.9	71.9	+1	91.4	51.7	97	6, 17	36.5	30	60.5
April	75.1	69.9	+5.2	91.8	55.7	99	24	37	2	62
May	78.7	76.3	+2.4	92.6	60	99	7, 8	47	24	52
June	81.4	81	+ .4	94	65.4	99	10	49	6	50
July	86.5	84.8	+1.7	95.5	74.8	99	16, 17, 18	62	4	37
August	85.1	84.9	+ .2	93.3	75	98	2, 3, 13, 20	67	6	31
September	84.7	85.7	—1	94.7	71.7	98	12, 19, 29	60	25	38
October	81.4	83.6	—2.2	93.7	64.4	98	7	55	2	43
November	75.3	82.5	—7.2	92.4	54.7	97	18	45	2	52
December	76.9	81.1	—4.2	93.4	56.4	99	20, 24	36	27	63
Year	79.53	79.47	+0.06	93.3	62.4	99	various	36	XII, 27	63

MONTHLY AND YEARLY RESULTS OF METEOROLOGICAL OBSERVATIONS, ETC.—Continued.

Month.	Vapor pressure.									
	Mean, 1911.	Normal, 1885-1911.	Departure.	Mean maximum.	Mean minimum.	Maximum.	Day.	Minimum.	Day.	Range.
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*		*mm.*		*mm.*
January	18.9	18.2	+0.7	20.8	17.3	22.7	5	15.5	4	7.2
February	17.3	17.6	— .3	18.9	15.7	22.3	2	13.5	13	8.8
March	17.4	18.2	— .8	19.3	15.7	22.3	17	13.3	8, 9, 30	9
April	19.6	19.5	+ .1	21.7	17.6	24	30	12.7	2	11.3
May	21.1	21.8	— .7	23.3	18.9	25	29	17.5	25	7.5
June	21.6	22.4	— .8	23.6	19.7	25	12	17.6	6	7.4
July	22	22.4	— .4	23.9	20.4	25.9	25	17.8	12	8.1
August	22.2	22.5	— .3	23.8	20.7	25.7	10	18.6	22	7.1
September	22.2	22.5	— .3	24.1	20.6	26.6	19	18.2	10	8.4
October	20.3	21.7	—1.4	22.3	18.5	24.4	5	16	22	8.4
November	17.6	20.4	—2.8	19.7	15.9	22.8	1	12.5	29	10.3
December	17.8	19.2	—1.4	20	15.6	23.9	9	12.7	26, 27	11.2
Year	19.8	20.5	—0.7	21.8	18	26.6	IX, 19	12.5	XI, 29	14.1

Month.	Relative frequency of the wind from—											
	NNE-E.			ESE-S.			SSW-W.			WNW-N.		
	Mean, 1911.	Normal, 1885-1911	Departure.	Mean, 1911.	Normal, 1885-1911	Departure.	Mean, 1911.	Normal, 1885-1911	Departure.	Mean, 1911.	Normal, 1885-1911	Departure.
January	4	8	—4	3	3.4	—0.4	3	3.4	—0.4	4	3.9	+0.1
February	8	7.7	+ .3	2	4.8	—2.8	3	3.7	— .7	3	2.9	+ .1
March	5	7.1	—2.1	7	7.2	— .2	4	3.5	+ .5	3	2	+1
April	4	5.8	—1.8	5	8.1	—3.1	6	3.9	+2.1	2	1.8	+ .2
May	4	4.9	— .9	5	5.4	— .4	4	6.1	—2.1	3	2.4	+ .6
June	3	4.4	—1.4	4	4.9	— .9	7	7.5	— .5	3	2.4	+ .6
July	1	3.1	—2.1	3	3.7	— .7	13	10.1	+2.9	2	2.5	— .5
August	0	2.7	—2.7	1	2.9	—1.9	16	11.5	+4.5	1	2.4	—1.4
September	2	3.3	—1.3	2	3.6	—1.6	8	9.6	—1.6	2	2.4	— .4
October	4	5.7	—1.7	2	3.1	—1.1	3	5.4	—2.4	2	3.3	—1.3
November	6	7.6	—1.6	3	2.6	+ .4	2	3.2	—1.2	2	4.5	—2.5
December	6	8.3	—2.3	3	2.2	+ .8	3	2.6	+ .4	2	4.6	—2.6
Year	3.9	5.7	—1.8	3.3	4.3	—1	6	5.9	+0.1	2.4	2.9	—0.5

Month.	Velocity of the wind.									
	Mean, 1911.	Normal, 1885-1911.	Departure.	Daily maximum.	Day.	Daily minimum.	Day.	Range.	Hourly maximum.	Day and hour.
	Km.	*Km.*	*Km.*	*Km.*		*Km.*		*Km.*	*Km.*	
January	114.1	166.2	— 52.1	233.5	19	55.5	5	178	17.5	29, 2 -3 p.
February	162.1	191.4	— 29.3	343.5	18	64.5	4	279	38.5	18, 12 -1 p.
March	200.6	225.7	— 25.1	404.5	1	98.5	25	306	27	8, 3 -4 p. 13, 1 -2 p.
April	202.2	236	— 33.8	522	23	95	20	427	39	23, 3 -4 p.
May	153.6	226.6	— 73	192	29	98	4	94	25	29, 4 -5 p.
June	215.8	230.8	— 15	422.5	16	78.5	11	344	42	16, 10-11 a.
July	399.2	275.2	+124	1,317	15	79.5	5	1,237.5	68	14, 11-mdt.
August	461.3	290.8	+170.5	896.5	31	172	18	724.5	54	26, 10-11 a.
September	280.9	268.3	+ 12.6	978	27	58.5	19	919.5	55	27, 10-11 a. 28, 12 -1 a.
October	123.5	179.9	— 56.4	214	19	62	29	152	22	7, 2 -3 p.
November	150.7	163.6	— 12.9	246.5	17	85	21	161.5	26.5	16, 11-noon.
December	170.7	155.9	+ 14.8	350	8	80	4	270	35	8, 12 -1 p.
Year	219.56	217.53	+ 2.03	1,317	VII,15	55.5	I, 5	1,261.5	68	VII,14,11-mdt.

MONTHLY AND YEARLY RESULTS OF METEOROLOGICAL OBSERVATIONS, ETC.—Continued.

Month.	Duration of sunshine.										Amount of clouds.		
	Mean, 1911.	Total, 1911.	Normal, 1890–1911.	Departure.	Maximum.	Day.	Mean, 1911.	Normal, 1885–1911.	Departure.
	h. *m.*	*h.* *m.*	*h.* *m.*	*h.* *m.*	*h.* *m.*		*0–10.*	*0–10.*	*0–10.*
January	6 58	216 05	194 25	+21 40	10 00	26	5.6	5.2	+0.4
February	5 06	143 00	200 00	−57 00	10 05	24	7	4.8	+2.2
March	7 11	222 35	228 33	− 5 58	10 30	13	4.7	4.4	+ .3
April	7 36	227 45	264 08	−36 23	10 30	13	5.8	4	+1.8
May	7 07	220 40	232 14	−11 34	10 15	24	6.6	5.7	+ .9
June	4 56	147 55	172 30	−24 35	9 15	22	7.5	7	+ .5
July	3 13	99 50	151 14	−51 24	10 05	9	8.8	7.7	+1.1
August	4 06	127 05	145 06	−18 01	10 00	4	8.6	7.8	+ .8
September	4 52	146 05	138 26	+ 7 39	10 30	23	7.6	7.7	− .1
October	6 02	187 10	172 05	+15 05	10 35	4	6.1	6.6	− .5
November	7 46	232 45	162 15	+70 30	9 45	12, 16, 27	4.9	6.3	−1.4
December	5 24	167 20	158 58	+ 8 22	8 50	13, 18	6.2	6.1	+ .1
Year	5 51	2,138 15	2,219 54	−81 39	10 35	X, 4	6.6	6.1	+0.5

Month.	Rainfall.									
	Total, 1911.	Normal, 1865–1911.	Departure.	Daily maximum.	Day.	Hourly maximum.	Day and hour.	Rainy days, 1911.	Normal, 1866–1911	Departure.
	mm.	*mm.*	*mm.*	*mm.*		*mm.*				
January	8.1	27.1	− 19	4.6	25	3	25, 12– 1p.	5	5	0
February	8.5	10.4	− 1.9	4.8	6	1.3	6, 1– 2a.; 10–11a.	6	3	+ 3
March	10	18.8	− 8.8	5.8	25	5.8	25, 1– 2p.	4	3	+ 1
April	106.8	32.8	+ 74	40.6	23	15.7	23, 10–11a.	9	4	+ 5
May	132	112.6	+ 19.4	89.9	7	33	7, 5– 6p.	8	10	− 2
June	117.2	236.8	−119.6	43.4	27	27.9	11, 12– 1p.	17	16	+ 1
July	698.5	395.8	+302.7	117	15	23.4	15, 11–mdt.	26	21	+ 5
August	419.4	352.9	+ 66.5	133.1	13	19	20, 7– 8a.	25	21	+ 4
September	193.3	362.5	−169.2	54.4	29	14.7	29, 11–noon.	16	20	− 4
October	9.7	189	−179.3	3.8	23	2	23, 12– 1p.	6	16	−10
November	6.1	130.2	−124.1	5	18	2.7	18, 1– 2a.	3	12	− 9
December	8	61.3	− 53.3	6.6	16	1.5	16, 9–10p.; 10–11p.	3	9	− 6
Year	1,717.6	1,930.2	−212.6	133.1	VIII, 13	33	V, 7, 5– 6p.	128	140	−12

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UNIV. OF MICHIGAN
OCT 27 1914

DEPARTMENT OF THE INTERIOR
WEATHER BUREAU
REV. JOSÉ ALGUÉ, S. J., DIRECTOR

ANNUAL REPORT OF THE WEATHER BUREAU

FOR THE YEAR 1911

PART III

METEOROLOGICAL OBSERVATIONS MADE AT THE SECONDARY STATIONS DURING THE CALENDAR YEAR 1911

MANILA
BUREAU OF PRINTING
1914

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INTRODUCTION.

In this volume (Part III) of the report of the Weather Bureau for 1911 we publish the meteorological observations made in the various stations which at present constitute the meteorological service of the Philippines, a service established by Act No. 131 of the Philippine Commission May 22, 1901.

In Part II of the report for 1902, pages 52 to 60, will be found a detailed account of the establishment and organization of these branch stations and a list of the instruments with which they are equipped, according to their class.

The reports of the various observers are carefully collated and examined at the Central Observatory, but it is evident that the Directors cannot assume the full responsibility for the accuracy of these observations. As every meteorologist knows, in observations of this kind much must be left to the conscientious care of the observer. Hence, while we take this opportunity to express our confidence in our observers, we think it proper to subjoin the following list, which gives some particulars about the stations and also the names of the observers who are primarily responsible for the accuracy of the observations published in this volume (Part III) of the Annual Report of the Weather Bureau.

SECONDARY STATIONS AND OBSERVERS OF THE WEATHER BUREAU.

Town.	Province.	Island.	North latitude.	East longtitude.	Observer.	Class.
			° ′	° ′		
Zamboanga	Moro	Mindanao	6 54	122 05	Francisco Ventus	III
Davao	do	do	7 01	125 35	Lamberto Garcia	III
Butuan	Agusan	do	8 56	125 32	Generoso Copin	III
Dumaguete	Oriental Negros	Negros	9 18	123 19	Matias G. Ordiales	III
Yap	Western Carolines	Yap	9 29	138 08	Mateo Gimenez	III
Surigao	Surigao	Mindanao	9 48	125 29	Leoncio Santos Joaquin Ortiz	II III
Maasin	Leyte	Leyte	10 08	124 50	Aguido Espina	III
Cebu	Cebu	Cebu	10 18	123 54	Domingo de los Angeles Pastor Daroy	I
Iloilo	Iloilo	Panay	10 42	122 34	Ricardo A. Luna	I
San Jose Buenavista	Antique	do	10 44	121 55	Teodoro Peñeiro	III
Cuyo	Palawan	Palawan	10 51	121 01	Roman Kabigting	III
Ormoc	Leyte	Leyte	11 00	124 36	Pedro Baltasar	I
Tacloban	do	do	11 15	125 00	Perfecto Paulino	II
Capiz	Capiz	Panay	11 35	122 45	Juan Lugod	II
Borongan	Samar	Samar	11 37	125 26	Alejandro Factor	III
Calbayog	do	do	12 04	124 36	Segundo Peñaflorida	II
Masbate	Sorsogon	Masbate	12 22	123 36	H. L. Heath	IV
Legaspi	Albay	Luzon	13 09	123 45	Bernardino Costa	I
Sumay	Ladrone Islands	Guam	13 24	144 38	Herbert Taylor	III
Calapan	Mindoro	Mindoro	13 25	121 11	Aquilino Nokom	III
Virac	Albay	Catanduanes	13 35	124 14	Gregorio Peralta Eusebio Talion	III

SECONDARY STATIONS AND OBSERVERS OF THE WEATHER BUREAU—Continued.

Town.	Province.	Island.	North latitude.	East longtitude.	Observer.	Class.
			° ′	° ′		
Nueva Caceres	Ambos Camarines	Luzon	13 37	123 11	Eduardo Ontengco	III
Batangas	Batangas	do	13 45	121 03	Enrico Cabral	III
Atimonan	Tayabas	do	14 00	121 55	Leon G. Guinto	I
Paracale	Ambos Camarines	do	14 17	122 47	Benito Pelaez	II
Iba	Zambales	do	15 20	119 58	Deogracias Tablan	III
San Isidro	Nueva Ecija	do	15 22	120 53	Bernardo Pecache	II
Dagupan	Pangasinan	do	16 03	120 20	Domingo Torres	I
Baguio	Mountain	do	16 25	120 36	Jose M. Sison	I
San Fernando	Union	do	16 37	120 19	Francisco Burgos Prudencio Urbiztondo	III
Candon	Ilocos Sur	do	17 12	120 26	Luis Quismorio	IV
Vigan	do	do	17 34	120 23	Pastor Daroy Joaquin S. Gallego	II
Tuguegarao	Cagayan	do	17 36	121 40	Jose C. de Leon	II
Laoag	Ilocos Norte	do	18 12	120 35	Jose Saez	III
Aparri	Cagayan	do	18 22	121 38	Manuel Delgado	I
Sto. Domingo	Batanes	Batan	20 28	121 59	Claudio Castillejos	III

REMARKS.

The hours of observation at the first and second class stations are 2 a. m., 6 a. m., 10 a. m., 2 p. m., 6 p. m., 10 p. m.; at the third and four class stations, 6 a. m. and 2 p. m. The time used is that of the one hundred and twentieth meridian east of Greenwich.

The barometer readings are reduced to sea level and 0° C., but no correction has been applied to eliminate the effect of gravity depending on the latitude of the place of observation.

INTERNATIONAL SYMBOLS FOR CLOUD FORMS.

Ci. =Cirrus.	Cu.-N. =Cumulo-nimbus.
Ci.-S. =Cirro-stratus.	S. =Stratus.
Ci.-Cu. =Cirro-cumulus.	Fr.-Cu. =Fracto-cumulus.
A.-Cu. =Alto-cumulus.	Fr.-N. =Fracto-nimbus.
A.-S. =Alto-stratus.	Fr.-S. =Fracto-stratus.
S.-Cu. =Strato-cumulus.	S.-cf. =Stratus-cumuliformis.
N. =Nimbus.	N.-cf. =Nimbus-cumuliformis.
Cu. =Cumulus.	M.-Cu. =Mammato-cumulus.

METEOROLOGICAL OBSERVATIONS MADE AT FIRST AND SECOND CLASS STATIONS DURING THE CALENDAR YEAR 1911.

SURIGAO.

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

JANUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.17	60.12	61.05	59.08	59.96	60.24	25.9	25.8	26.5	28.3	26.5	26	29.3	23.7	85	84	87	78	82	86	11
2	59.40	59.92	60.27	58.57	59.70	60.77	25.6	25.4	28.9	28.6	26.4	25.9	29.7	23.7	87	86	72	71	76	81	------
3	59.11	60.60	60.93	59.37	60.12	60.56	25.1	25.4	25.4	25.4	25.4	24.9	26.1	23.4	82	83	85	88	92	92	11
4	60.12	60.90	60.99	59.03	60.02	61.12	24.2	23.5	26.5	27.2	26.8	24.1	28.1	23.1	95	97	87	83	84	94	8.8
5	59.91	60.79	61.57	59.29	60.36	61.07	23.3	22.6	28.5	27.9	26.8	24.1	29	22.2	97	97	80	81	86	95	------
6	59.72	60.01	60.26	57.96	59.24	60.56	23.6	23.2	25.9	28.2	26.4	25.1	29.7	22.8	96	97	94	82	90	96	17.8
7	59.50	60.06	60.69	58.59	59.67	60.86	24.4	23.6	26.5	25.7	25.5	24.4	28.5	23.2	96	96	91	93	92	97	42.7
8	59.92	60.58	60.70	58.36	59.27	59.29	24.5	24.8	28	27.4	26.7	25.9	28.9	23.3	95	93	83	83	83	91	14.8
9	58.49	58.78	59.11	57.41	57.96	58.73	25.4	24.5	28.4	26.7	26	23.8	30.2	23.3	92	95	75	86	88	94	3.3
10	57.31	57.73	58.54	56.35	57.07	57.95	23	22.5	27.7	28.1	26	23.3	28.8	21.8	96	96	86	77	89	94	------
11	56.79	58.01	58.59	56.66	57.02	58.05	21.9	21.2	28.4	27.5	25.6	24.5	29.4	20.7	96	96	78	85	91	92	------
12	57.32	57.86	58.57	57.06	57.66	59.07	23.9	23.3	28.7	28.1	27.2	25.1	29.5	23	93	97	79	83	85	92	3.3
13	58.12	58.65	60	58.40	59.10	60.21	24.7	24.2	26.8	27.7	27.1	26.2	29	23.3	94	96	87	83	83	88	11.2
14	59.73	59.93	60.45	57.95	58.34	59.57	25.3	24.5	28.1	28.9	27	24.5	29.4	23	89	87	83	76	84	94	------
15	58.69	59.04	59.79	57.32	57.55	58.22	23.9	23.6	28.1	28.5	27	24.9	29.2	23.1	95	95	79	77	83	92	3.6
16	57.59	58.27	59.09	57.45	58.44	59.73	24.4	23.8	28.8	28.9	27.1	24.6	29.2	23.2	93	97	78	75	85	94	5.3
17	58.48	59.35	60.12	57.57	58.91	59.66	24.4	24.1	24.9	27.1	24.8	24.1	28.4	23.3	95	97	96	83	93	96	17.4
18	58.89	59.56	60.15	58.36	59.10	59.69	23.8	23.4	27.5	27.1	26.4	25	30.1	22.7	96	97	87	87	87	93	4.1
19	58.52	59.38	60.20	57.82	58.67	59.59	24.4	23.8	28.6	28.1	27	25.2	29	23.1	95	97	83	85	85	91	6.1
20	59.12	59.48	60.57	58.71	59.60	60.45	24.4	23.9	27.4	28.1	26.8	26.3	29.5	23.3	94	97	84	85	86	90	21.1
21	59.14	59.42	59.85	57.75	58.55	60.29	25.5	24.5	28.2	27.5	26	25.2	30.1	23.8	92	96	82	84	88	94	7.6
22	59.41	59.56	60.11	57.42	57.20	59.10	24	22.9	28.7	28.5	27	23.7	29.8	22	96	97	73	78	80	92	------
23	58.08	58.16	58.72	56.28	57.18	58.17	23.1	22.5	27.1	27.5	26.5	24.7	28.7	22.1	95	96	87	82	81	93	6.4
24	56.69	57.13	57.52	55.36	56.58	58.04	24	23.5	26.6	28.1	27	24.1	29.3	22	93	97	88	77	80	96	17.8
25	57	58.21	59.15	56.47	57.15	58.22	23.9	23.4	25.5	28.4	26.8	26	29.2	22.9	96	96	93	77	86	89	22.9
26	57.37	57.82	58.34	55.87	56.95	57.76	24.9	23.6	25.5	29	26.6	24.7	29.6	23.1	93	96	91	77	84	94	2.3
27	57.18	57.16	57.97	55.70	56.51	57.36	24.1	23.3	29.2	29.2	27.2	24.5	29.9	22.7	91	95	80	77	82	92	------
28	56.54	56.70	57.79	55.66	56.65	57.86	23.9	23.4	29.2	29.7	27	25.1	30.3	22.7	95	96	74	77	84	92	4.3
29	56.87	57.55	58.67	56.26	56.52	57.85	24.6	24	28.9	29.7	27.2	26.6	30.6	23.2	93	95	78	71	83	86	------
30	56.02	57.73	58.95	56.47	57.15	58.64	25.5	24.4	29.7	28.3	26	24.7	30	23.4	90	94	72	78	89	97	6.3
31	57.50	57.74	58.80	56.61	57.29	58	24.4	24.3	28.8	29.5	27.3	26.6	30.4	23.6	96	96	79	79	82	83	------
Mean	58.31	58.91	59.60	57.46	58.24	59.25	24.3	23.8	27.6	28	26.6	25	29.3	22.9	93.3	94.6	82.9	80.6	85.3	91.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	249.1

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	NE	3	NE	2	ESE	1	NE	3	NE	3	NNE	3	7	Ci.-S. E	Fr.-N. ENE	7	Ci.-S. E	Cu. ENE	
2	NNE	2	NNE	2	NNE	3	NE	3	NE	2	NE	2	8	A.-Cu. S	Cu..N.	4	Ci.-S. NE	Cu. NNE	
3	NNW	2	NNW	3	NNW	1	NW	3	NW	3	NE	2	10	----------	Fr.-N. NNE	10	----------	Fr.-N. NNE	
4	NE	1	Calm	----	E	1	ENE	2	NE	1	SE	3	9	Ci.	Fr.-N. NE	8	Ci.-S.	Cu.-N. NE	
5	Calm	----	SSE	1	SSE	1	NNE	3	NNW	1	NE	1	7	Ci.-S. NE	Cu.-N. E	9	Ci.-S. NE	Cu.-N. E	
6	Calm	----	Calm	----	NW	2	ESE	1	E	1	Calm	----	8	A.-Cu. SE	Cu.-N.	7	Ci.-S. NE	Cu.-N. E	
7	Calm	----	SSE	1	NW	1	ENE	1	ENE	1	NE	2	5	A.-Cu. E	Cu.-N. E	10	----------	Cu.-N. E	
8	NE	2	NNE	2	NNE	2	NE	2	NE	2	NNE	2	10	----------	N.	7	----------	Cu.-N. ENE	
9	NNE	1	Calm	----	ENE	2	SE	1	ESE	1	SE	1	4	Ci.-S. NE	Cu.-N. E	9	Ci.-S. NE	Cu.-N. E	
10	Calm	----	SE	1	NNW	1	EbyN	1	ENE	1	ESE	1	6	Ci.-S. NE	Cu.-N. E	7	Ci.-S. NE	N.-cf. E	
11	S	1	Calm	----	SSE	1	NNE	1	ESE	1	Calm	----	2	Ci.-S. NE	Cu.	6	A.-Cu. SE	Cu. E	
12	Calm	----	Calm	----	ESE	1	NW	2	NE	2	ENE	1	6	A.-Cu. SE	Cu.-N.	4	Ci. NE	Cu.-N.	
13	SE	1	SE	1	NNW	2	NW	2	NNE	2	ENE	2	6	----------	Cu.-N. E	2	Ci.-S.	Cu.-N. E	
14	ESE	1	SSE	1	ESE	1	NE	1	ENE	1	NE	1	9	A.-Cu. SE	S.-Cu. E	5	Ci. NE	Cu. E	
15	Calm	----	Calm	----	SE	1	NW	1	NNW	1	NE	1	7	Ci.-S. NE	S.-Cu.	3	Ci. NE	Cu. E	
16	Calm	----	Calm	----	ESE	1	NW	1	NE	2	NW	1	6	A.-Cu. SE	Cu.-N.	2	Ci. NE	Cu.-N. E	
17	SW	1	SW	1	NW	2	E	1	Calm	----	SE	1	10	----------	N.	9	----------	Fr.-N. E	
18	SE	1	SSE	1	SE	1	NNW	5	ENE	2	E	1	10	----------	Cu.-N.	6	Ci.-S. SE	Fr.-Cu. NNE	
19	Calm	----	Calm	----	SE	1	NNW	2	ENE	2	NW	2	9	----------	Fr.-N. E	7	A.-Cu. SE	Cu.-N. E	
20	S	1	SW	1	SW	1	NW	2	NE	2	NE	1	10	----------	N.	8	Ci. NE	Cu. E	
21	SE	1	Calm	----	NE	1	ESE	3	NE	2	SE	1	8	Ci.	Cu.-N.	9	----------	Cu.-N. E	
22	SE	1	Calm	----	ENE	1	NNW	1	NNE	2	SE	1	4	Ci. NE	Cu.-N. E	6	Ci. SE	Cu. E	
23	Calm	----	SE	1	SE	1	NNW	2	NNE	1	SSW	1	4	Ci.-S. E	Cu.-N. NE	7	----------	Cu.-N. NE	
24	Calm	----	Calm	----	NE	1	NW	3	NNE	3	SE	1	8	A.-Cu. SE	Cu.-N. E	8	----------	Cu. E	
25	SE	1	Calm	----	S	1	NE	1	NNE	3	NE	1	9	A.-Cu. ENE	Cu.-N. E	5	A.-Cu. NW	Cu.-N. ENE	
26	SE	1	SSE	1	NE	1	ENE	2	NE	2	SE	1	7	A.-Cu. NW	Cu.-N. NE	4	A.-Cu. NW	Cu. NE	
27	Calm	----	SSE	1	ENE	1	ENE	1	ENE	1	SE	1	4	A.-Cu. NW	Cu.-N.	3	Ci. NE	Cu. E	
28	Calm	----	Calm	----	E	1	ENE	2	ENE	2	SE	1	2	Ci.	Cu.-N.	4	Ci. NE	Cu. E	
29	Calm	----	Calm	----	ENE	1	ENE	1	NE	1	NE	1	4	----------	Cu. E	4	Ci.-S. NE	Cu. E	
30	Calm	----	SE	1	NE	1	NNE	3	ESE	1	ESE	1	7	Ci.-S. NE	Cu. E	9	Ci.-S. NE	Cu.-N. E	
31	Calm	----	Calm	----	ENE	2	ENE	3	ENE	3	NE	3	9	----------	Cu.-N.	7	Ci. NE	Cu. E	
Mean	------	0.7	------	0.7	------	1.3	------	1.9	------	1.7	------	1.3	6.9	----------	----------	6.3	----------	----------	

SURIGAO.

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

FEBRUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	
1	56.98	57.80	58.65	56.55	56.87	58.58	24.1	23	28.6	29.9	26.9	24	30.4	22.5	90	93	73	69	79	89	------
2	57.89	58.60	59.87	58.06	58.21	59.08	22.4	21.1	28.4	28.4	26.6	23	29.6	20.7	93	95	71	72	74	91	------
3	58.51	58.61	59.89	58.08	58.29	59.61	22.5	22.4	28.6	29.9	27	23.9	30.6	22	93	96	73	63	77	91	1.8
4	59.39	59.38	59.95	58.48	59.19	60.27	23.5	23.1	28.1	29.4	26.1	26.7	30.2	22.7	92	95	77	69	83	80	7.1
5	59.40	59.29	60.06	58.34	58.43	59.28	26.6	26.4	27	24	24.5	24.5	28.9	23.2	82	81	80	91	92	93	43.6
6	58.09	57.99	58.72	57.30	57.79	59.42	24.3	24.3	25.2	24	23.5	23.3	25.6	22.7	90	86	92	92	94	94	117.1
7	58.23	58.93	59.70	58.14	58.52	59.42	22.8	22.5	24.1	26.3	25.1	24.4	26.9	22	94	96	95	83	86	88	16.5
8	58.19	58.92	60.01	57.77	58.08	59.47	25.7	25.6	28.5	28.5	26.1	24.1	29	23.1	80	78	68	67	71	88	------
9	58.07	58.93	59.81	57.56	58.22	59.91	23.7	24.4	25.7	26.6	26.8	23.7	27.9	21.2	89	88	89	86	82	93	9.6
10	59.41	59.66	60.92	59.36	60	61.32	23.2	22.5	27	24	26.6	23.4	28.3	21.8	94	96	84	92	83	94	9.1
11	60.52	61.03	62.16	59.95	60.91	61.95	22.6	23	27.5	25.2	25.2	24	28.4	22.1	96	97	81	88	89	95	2.5
12	60.29	61.08	62.16	60.35	59.82	60.96	22.8	22.7	24.4	23.2	23.3	23.8	25.4	22.1	97	97	93	94	93	91	29.7
13	59.98	60.26	61.47	59.06	59.29	60.38	23.1	22.5	28	28	26.2	22.4	29.5	22	97	96	71	65	73	94	------
14	59.29	59.60	59.78	57.31	57.69	58.85	22.1	21.5	27.4	27.1	24.9	23.6	28.6	20.7	97	95	76	72	82	95	38.4
15	57.89	57.27	57.85	56.13	56.41	57.63	23.4	24.7	27.4	28	26.6	26	29.3	23	98	95	84	81	90	94	2
16	56.32	56.93	57.73	56.01	56.63	57.80	25.7	26	25.9	26.4	26	24.2	26.9	23.8	92	90	90	91	89	97	1.8
17	56.81	57.04	58.45	56.56	57.33	58.01	24.3	23.7	28.2	28.1	26.8	24.9	28.9	23.1	97	97	83	81	86	95	3
18	56.88	57.29	58.37	57.11	58.02	59.22	23.9	24.1	27.7	25.9	25.2	24.6	28.5	23.6	97	97	85	93	95	97	5.1
19	57.97	58.65	59.46	57.67	58.59	60.67	24.3	24.2	28.4	27.4	26	23.6	28.9	23.4	98	98	82	85	91	98	38.6
20	59.69	60.20	60.55	58.43	59.13	60.76	23.6	23.3	26	26.3	25.5	24.5	27.3	22.7	97	97	88	88	88	95	3.3
21	59.45	59.67	60.10	57.56	58.54	59.96	23.5	24.6	26.1	26.6	25.2	24.7	27	23	97	94	88	85	88	89	35.1
22	58.49	58.55	59.02	56.39	58.16	59.20	23.4	23.9	28.1	28.8	25.2	24.6	29	22.8	97	96	79	73	90	95	5.9
23	58.22	58.93	60.27	57.86	59.24	60.91	23.8	24	28.4	29.1	26	24.6	29.8	23.5	97	96	77	75	89	93	------
24	59.80	60.53	61.80	59	60	61.33	25.7	25.5	27	29.2	26.3	24	29.9	23.5	84	80	72	69	82	96	------
25	59.77	60.43	60.92	57.95	59.24	59.82	24	24.4	29.4	29.5	26.4	25.9	30.2	23.3	92	92	70	67	80	85	------
26	59.12	59.28	60.07	57.92	58.43	59.64	25.6	25.7	29.4	28.7	26	25.6	30.5	24.8	88	86	72	76	85	89	------
27	58.57	59.03	59.81	57.10	58.20	59.75	25.2	25.2	28.2	29.9	26.6	26.5	30.6	24	90	91	72	65	78	83	------
28	58.37	58.92	59.79	57.67	58.23	59.62	25.3	24.6	28.8	29.2	27.2	25.1	29.8	23.6	93	93	73	72	81	91	------
Mean	58.63	59.03	59.90	57.85	58.48	59.74	24	23.9	27.4	27.5	25.8	24.4	28.8	22.7	92.9	92.5	79.9	78.7	84.6	91.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	370.2

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	SE	1	Calm	----	ENE	2	NE	3	NE	2	E	1	6	Ci.-S. NE	Cu. E	3	Ci.-S. NE	Cu. E
2	SSE	1	SSE	1	SSE	1	NW	2	NE	2	SSW	1	3	Ci.	Cu.	1	----------	Cu.
3	S	1	SW	1	NE	2	NNE	3	NNE	2	NE	1	7	Ci. NE	Cu. E	5	Ci. NE	Cu. E
4	SE	1	Calm	----	NNE	2	NNE	3	ENE	2	NE	3	6	----------	Cu.-N.	7	Ci.-S. E	Cu. ENE
5	NE	2	NE	3	NNE	3	ESE	1	Calm	----	ENE	3	3	----------	Cu. NE	10	----------	Fr.-N. NE
6	NE	2	NNE	1	Calm	----	ENE	2	ESE	2	ENE	3	10	----------	Cu.-N.	10	----------	N.
7	ESE	3	ESE	2	S	1	ENE	3	NE	3	ENE	3	10	----------	N.	10	----------	Fr.-N.
8	ENE	3	ENE	3	NE	3	ENE	2	NE	3	SSW	1	10	A.-Cu. SE	Cu.-N. NE	5	Ci. NE	Cu. E
9	NNW	2	NNW	2	NNW	1	NNW	2	NE	2	SE	1	10	----------	Fr.-N. N	9	----------	N.-cf. NE
10	SSE	1	SSE	1	SSE	1	ENE	1	NE	1	SE	1	6	Ci.-S. E	Cu.-N. NE	8	----------	Fr.-N. NE
11	SE	1	SSE	1	SE	1	NNE	1	NE	1	Calm	----	7	Ci.-S. E	S.-Cu.	9	----------	Cu.-N.
12	Calm	----	Calm	----	NE	1	SE	1	Calm	----	N	2	5	Ci.-S. E	Cu.-N.	10	----------	N.
13	NE	3	SE	1	NNE	1	NNW	2	NE	1	SW	1	10	----------	Cu.-N. NE	5	Ci.-S. E	Cu. NE
14	Calm	----	Calm	----	WNW	2	WSW	2	SSW	1	SSW	1	7	Ci.-S. NE	Cu. N	10	Ci.-S.	Cu.-N.
15	SW	1	WbyS	2	WbyS	2	WSW	2	WSW	2	SW	1	10	----------	Fr.-N. NW	9	----------	N.-cf. W
16	WSW	2	WNW	3	NW	2	NW	1	NW	2	SW	1	10	----------	Cu.-N.	10	----------	cu.-N. NW
17	SW	1	SSW	1	NW	1	NNW	1	NE	2	Calm	----	6	Ci.-S. E	S.-Cu.	8	Ci.-S. E	Cu. W
18	Calm	----	Calm	----	NNW	1	NW	1	Calm	----	Calm	----	10	----------	Cu.-N. NE	10	----------	Cu.-N.
19	Calm	----	Calm	----	SSE	1	N	1	NNW	1	Calm	----	8	Ci. E	Cu.-N. SE	10	----------	Cu.-N.
20	Calm	----	SE	1	ENE	1	NW	2	NNW	1	NE	2	10	----------	Fr.-N. ENE	10	A.-Cu. E	Cu.-N. ENE
21	NbyW	1	NbyW	2	NW	3	NNW	4	NNW	5	NW	2	10	----------	Cu.-N. N	10	A.-Cu.	Cu.-N.
22	WNW	1	W	1	W	1	WNW	1	NNW	1	WSW	1	10	----------	N. NNW	9	A.-Cu. SE	Cu.-N. NNW
23	SW	1	SW	1	WNW	2	WNW	2	WNW	2	W	1	10	Ci.-S. S	Cu.-N. W	5	Ci.-S. S	Cu. W
24	NW	2	NW	3	NW	3	WSW	2	SSW	1	SSW	1	7	Ci. E	Cu. NW	6	Ci.-S. E	Cu. W
25	Calm	----	Calm	----	SSW	2	SW	3	SW	1	SW	2	3	Ci.	Cu.-N. W	1	----------	Cu.-N. W
26	SSW	1	W	1	WSW	2	SW	2	W	1	W	1	3	Ci.	Cu.	8	Ci.	Cu. WSW
27	W	1	W	1	WSW	2	WSW	2	W	1	NW	2	1	----------	Cu. SW	2	Ci.	Cu. SW
28	W	1	Calm	----	NW	2	W	2	W	1	SW	1	4	A.-Cu. NE	Cu.	8	A.-Cu. NE	Cu.-N.
Mean	------	1.2	------	1.1	------	1.6	------	1.9	------	1.5	------	1.3	7.2	----------	----------	7.4	----------	----------

SURIGAO.

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

MARCH, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain 24 hrs, beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.55	59.96	61.04	58.11	58.85	60.15	24.8	26.6	28.6	28.7	26.9	23.9	29.7	23.2	93	84	79	75	84	94	37
2	58.94	60.05	60.36	57.83	58.77	59.71	24.8	26.4	27.5	28.4	26.5	24.4	28.9	23.9	92	85	78	74	81	91	------
3	58.92	59.87	60.36	58.22	59.05	60.55	25.6	25.3	28.1	28.6	26.8	25.5	29.5	23.6	78	80	72	74	79	88	1
4	59.77	60.80	61.21	59.35	60.20	60.80	25.6	23.4	25.1	27.4	25.9	25.5	28.1	23	84	91	85	73	77	75	2
5	59.85	60.86	61.65	59.66	59.87	61.10	24.6	23.6	29.3	27.5	26.1	22.3	29.7	21.1	87	90	66	74	74	90	------
6	60.20	60.59	61.41	58.67	58.75	59.82	20.7	20.3	28.2	27.9	25.8	22.2	28.8	19.1	90	92	67	70	80	90	------
7	58.89	59.44	60.45	58.49	58.94	60.04	22.1	22.4	27.8	25.6	25	21.5	28.5	20.3	88	91	67	75	80	93	------
8	59.06	59.84	60.54	58.15	58.68	59.04	20.3	20.9	27.7	27.9	26.5	22.6	28.5	19.8	97	94	73	71	79	93	------
9	58.90	59.25	59.81	58.32	58.70	59.35	22.5	24	26.9	28	25.6	23.8	28.6	22	95	92	79	78	87	93	------
10	58.01	58.28	58.91	57.16	57.22	58.72	22.9	26.1	27.6	29	26.6	24	29.7	22.3	91	80	79	71	86	94	------
11	57.49	57.92	59.05	57.17	58.42	59.42	23.9	25.9	30.4	28.1	23.5	24.8	30.7	22.9	90	88	67	76	95	93	35.6
12	58.76	59.70	61.28	59	59.99	61.37	22.9	22.1	29.6	29.6	27.3	26.5	30.3	21.7	96	95	72	73	83	86	------
13	60.47	60.77	61.36	58.79	59.25	60.32	26	24.1	27.6	29	26.9	26	29.7	23.2	86	94	86	77	77	86	13.7
14	59.23	59.63	60.36	57.83	58.52	59.46	23.4	23	28.5	30	27	24.4	31	22.1	95	95	75	67	81	90	------
15	58.39	59.13	59.82	57.61	58.44	59.45	22.6	23.5	29.3	28.3	26.6	24.7	30.4	22	97	94	72	76	83	91	------
16	58.44	59.08	59.95	57.71	58.87	60.06	23.3	24.1	29	28.4	26.8	25	30.4	22.2	96	93	78	78	86	92	------
17	58.48	58.80	59.95	57.96	58.99	59.89	23.9	24.5	30.2	28.7	26.8	25.7	31.4	23.4	97	95	77	80	89	92	66.6
18	59.42	59.91	60.61	58.15	59.01	60.26	23.9	22.7	25.1	27.3	25.7	24	28	22.2	97	96	92	82	87	92	3
19	59.52	59.81	60.67	58.91	59	60.29	23	23.6	28.6	28.8	26.9	25.9	29.9	22.2	94	94	80	76	78	81	------
20	59.59	60.04	60.99	58.86	59.59	60.52	22.5	22.1	29.2	29.2	25.5	24	30.2	21.3	94	94	71	78	87	89	------
21	59.21	60.27	61.15	59.15	59.75	60.49	22.7	22.8	30	29.4	27.1	25.1	30.5	21.8	94	96	75	72	80	91	------
22	59.62	60.47	61.04	58.98	59.85	60.78	23.8	24.6	28.1	30	27.2	24	30.5	23	97	94	77	70	80	92	5.3
23	59.76	60.76	61.20	58.75	59.23	60.15	22.4	22.6	29.8	29	27.3	25	30.6	21.5	96	96	75	76	80	92	------
24	59.40	60.07	60.97	59.52	59.56	60.61	24	24.1	29.2	25.3	25.1	24	30.2	23.4	97	96	79	90	91	95	27.7
25	59.60	60.48	61.24	58.94	59.81	60.92	23.6	23.2	28.5	28.3	26.8	25.4	30.4	22.6	94	96	75	80	86	91	------
26	59.60	61.10	62.19	59.69	60.35	61.54	23.7	23.7	27.3	29	26.3	24.4	30.1	22.8	94	95	76	77	77	93	4.8
27	60.51	61.26	62.20	59.55	60.44	61.75	23.2	23.1	29.3	29.9	27.3	26.6	30.4	22.2	96	95	70	67	78	82	------
28	60.79	60.61	61.18	59.23	60.12	61.31	23.3	22.8	28.4	28.1	26	24.4	30.5	22.3	97	94	81	77	96	92	9.4
29	60.11	60.25	61	59.28	60.09	61.10	23.5	24.8	28.8	28.1	25	26.8	29.6	22.4	90	93	76	78	92	86	23.4
30	59.52	59.50	60.26	58.88	59.40	60.22	25.5	26.5	27	24.1	23.9	24.1	27.2	23.3	88	84	82	96	96	97	183.8
31	59.01	59.53	59.72	56.82	57.29	58.25	22.8	22.5	24.6	26.4	25.1	24.3	27	22.1	97	96	92	86	93	97	17
Mean	59.29	59.94	60.71	58.54	59.19	60.24	23.5	23.7	28.2	28.2	26.2	24.5	29.6	22.2	92.8	92	76.5	76.4	83.9	90.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	430.3

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.				
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.		Amount.	Form and direction.	
		0-12		*0-12*		*0-12*		*0-12*		*0-12*		*0-12*	*0-10*	Upper.	Lower.	*0-10*	Upper.	Lower.
1	SW	1	NNW	2	NW	2	W	2	W	1	N	3	9	A.-Cu. NE	S.-Cu.	5	Ci.-S. NE	Cu.
2	N	1	N	2	NNW	2	WbyN	2	WNW	1	Calm	----	7	A.-Cu.	Cu. W	3	Ci.	Cu.
3	NNW	3	NNW	3	E	1	WNW	1	NE	2	NE	1	8	A.-Cu. NE	Cu.	3	Ci.	Cu.-N.
4	NE	1	E	1	NW	2	NE	2	NE	2	ENE	2	10	----------	Fr.-N.	5	A.-Cu. NE	Cu. W
5	E	1	Calm	----	NE	1	NW	2	ENE	2	ENE	1	1	Ci.	Cu.	5	----------	Cu.
6	Calm	----	Calm	----	ESE	1	NW	1	NW	1	E	1	2	----------	Cu.	2	Ci. NE	Cu.
7	Calm	----	Calm	----	ESE	1	E	1	Calm	----	Calm	----	2	Ci.	S.-Cu.	9	Ci-S.	Cu.-N.
8	Calm	----	WSW	1	NW	1	NW	2	NW	1	Calm	----	4	A.-Cu. NE	Cu.	2	----------	Cu.
9	SW	1	Calm	----	NNW	2	NW	1	SW	1	SSW	1	9	Ci.-S.	Cu.-N. SW	9	Ci.-S. NE	Cu.-N. SW
10	Calm	----	NW	2	WNW	2	WNW	1	NW	1	SW	1	9	A.-Cu.	Cu. W	6	A.-Cu. E	Cu. W
11	SW	1	SW	1	W	1	WNW	2	Calm	----	SE	1	7	A.-Cu. E	Cu. SW	9	----------	Cu.-N.
12	Calm	----	Calm	----	ENE	2	ENE	2	E	2	ESE	1	1	----------	Cu.	3	----------	Cu.
13	ENE	2	ESE	1	NNW	2	NNE	3	ENE	1	NE	2	9	----------	Cu. E	5	----------	Cu.-N. E
14	Calm	----	Calm	----	S	1	NNE	3	NNE	2	NE	1	3	----------	Cu. E	3	----------	Cu. E
15	Calm	----	Calm	----	N	1	ENE	1	NE	1	Calm	----	6	----------	Cu. E	9	----------	N.-cf. E
16	Calm	----	Calm	----	ENE	1	ENE	1	ENE	1	SE	1	4	----------	Cu.	7	Ci.-S. NW	Cu.-N. E
17	Calm	----	Calm	----	NE	1	NNW	1	E	1	NE	1	3	----------	Cu.-N.	5	Ci.-S. N	Cu.-N.
18	Calm	----	Calm	----	SE	1	NE	1	Calm	----	Calm	----	10	----------	N.	10	A.-Cu.	Cu.-N. NE
19	Calm	----	Calm	----	SSW	1	NE	1	NE	2	NNE	1	4	A.-Cu. NE	Cu. N	4	Ci.-Cu.	Cu.-N.
20	Calm	----	Calm	----	SSW	1	NNE	2	ESE	1	Calm	----	2	----------	Cu.	5	----------	Cu. NE
21	Calm	----	Calm	----	ESE	1	WNW	1	ENE	2	NE	1	4	Ci.	Cu. NE	3	----------	Cu. NE
22	Calm	----	Calm	----	NE	2	NNW	2	NE	2	Calm	----	6	----------	Cu. NE	3	----------	Cu.-N. NE
23	Calm	----	Calm	----	SE	1	NNW	2	NNE	2	NE	1	6	Ci.-S.	Cu. E	4	----------	Cu. E
24	Calm	----	Calm	----	NE	1	S	1	SE	1	Calm	----	3	Ci.	Cu. NE	10	----------	N.
25	Calm	----	Calm	----	ENE	1	NE	2	NE	2	Calm	----	5	Ci.-S.	Cu.-N. NE	5	----------	Cu.-N. NE
26	Calm	----	Calm	----	SSE	1	NE	1	E	1	SE	1	4	A.-Cu. SE	Cu.-N.	7	A.-Cu. SE	Cu. NE
27	Calm	----	Calm	----	ENE	2	ENE	2	NE	2	ENE	2	4	A.-Cu. NE	Cu.	4	A.-Cu. SE	Cu.
28	Calm	----	Calm	----	NE	2	ENE	2	ESE	1	SE	1	3	----------	Cu. NE	6	----------	Cu.-N. NE
29	SE	1	Calm	----	NE	4	NE	5	NE	4	NE	4	3	----------	Cu.-N.	10	----------	Fr.-N. NE
30	NE	3	NNE	2	NNW	3	SSW	1	S	1	NE	1	10	----------	Fr.-N. NE	10	----------	Cu.-N.
31	NE	1	Calm	----	NW	2	NNW	3	WNW	1	Calm	----	10	----------	Cu.-N. NE	10	----------	Cu.-N. NE
Mean	------	0.5	------	0.5	------	1.5	------	1.7	------	1.4	------	0.9	5.4	----------	----------	5.8	----------	----------

SURIGAO.

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

APRIL, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.39	57.80	58.06	55.65	56.65	57.92	23.9	24.4	27.3	58.5	26.9	25.3	29.3	23.3	97	97	85	79	87	93	------
2	57.47	58.29	58.73	56.84	57.87	59.14	24.4	23.9	28.4	28.1	26	24.7	30.1	23.6	96	94	81	79	90	94	6
3	57.80	58.20	58.91	57.43	58.76	59.94	23.9	26.2	29.8	28.6	27	25.7	30.8	23.5	94	90	73	75	86	90	------
4	58.80	59.04	59.50	57.15	57.89	59.19	23.9	24.3	27.1	28.4	27	25.7	30	23.3	98	96	87	77	83	88	3.1
5	58.24	58.55	59.11	56.59	57.47	58.84	24.6	25	27.5	25.9	26.2	24.9	28.9	23.9	90	92	83	88	85	92	4.8
6	57.52	58.10	58.92	57.53	57.81	58.85	24.1	24.4	26	26.8	25.9	24	27.2	23.6	94	96	88	86	86	93	17.3
7	57.41	58.17	58.41	56.30	56.86	58.16	24	24.1	27.2	26.8	26.5	26	28.7	23.5	97	98	90	89	91	93	------
8	57.49	57.82	58.60	56.40	56.84	58.12	23.8	25	30.1	29.7	28	26.7	31.1	22.7	97	99	75	68	83	88	4.5
9	57.39	57.48	58.11	55.50	56.71	58.09	25.1	24.5	29.4	29.5	26.6	25.5	30.8	24	93	96	82	79	90	94	11.7
10	57.04	57.34	58.05	55.70	56.74	57.76	25.1	24.5	29.8	29.4	27.2	26	30.8	24.2	96	97	79	79	86	91	1.8
11	56.87	57.19	57.89	55.73	56.75	58.64	24.3	25.1	29.9	30	27.9	26.4	31	23.4	95	95	78	77	86	90	------
12	57.59	58.11	58.82	56.58	57.56	58.95	24.6	25.8	29.9	30.1	27.4	26	31.5	24.1	96	93	76	73	83	89	6.6
13	58.22	58.37	59.70	57.05	57.62	58.98	24.9	24.6	30.4	29.6	26.9	26.2	31.4	23.8	92	96	76	79	86	90	3
14	57 92	58.27	59.02	57.11	57.16	58.90	24.7	25.6	25.7	27.5	26.6	24.4	28	23.2	93	91	89	83	86	97	27.5
15	57.59	57.65	58.30	56.15	57.47	59.08	23.8	24.5	29.4	29	27.6	25.1	31.1	22.6	94	96	76	78	87	94	------
16	58.32	58.70	58.96	56.76	58.04	59.35	24	26.3	30.2	29.7	27.1	24.3	31.5	23	92	90	74	78	81	91	------
17	58.15	59.32	59.30	57.16	57.76	58.89	23.7	25.2	30.8	28.8	27.1	24.8	31.6	22.3	92	91	72	77	83	92	------
18	58.21	58.95	59.21	57.28	58.14	59.56	23.1	25	30.1	30.4	27.7	25.4	31.3	22.4	93	92	76	72	84	91	------
19	58.12	59.02	59.86	58.54	59.66	60.87	24.2	25.1	30.1	29	27.5	25.7	30.6	23.4	92	95	77	75	86	92	------
20	59.80	60.10	60.65	59.07	59.46	60.96	24.4	25.1	27.6	26.9	26.4	24.9	28.4	24	96	95	85	87	90	96	19.8
21	59.39	60.63	60.56	58.53	59.47	59.83	24.5	23.9	25.5	26.6	23.6	22.7	27.4	22.3	93	97	93	86	94	95	19.3
22	59.29	58.52	58.31	55.95	57.82	58.52	23.8	25	27	28.5	24.9	23.4	29.5	22.1	92	87	80	73	85	90	------
23	57.19	57.53	58.44	56.54	57.86	59.30	21.9	25.5	29.7	30.3	27.2	25.2	31	21.5	95	85	72	72	85	92	------
24	58.30	58.95	59.61	57.17	58.67	59.60	23.7	26	29.7	29	27.6	25.3	31.1	22.8	95	89	77	78	83	91	------
25	58.99	59.98	60.79	58.08	59.91	61.02	23.9	26.4	28.7	30.3	28.1	25	31.2	23.1	97	89	80	76	86	92	------
26	60	61.20	60.91	57.86	59.14	60.07	23.5	26.1	30.5	31	27.7	24.8	31.9	23.1	97	91	75	69	79	95	------
27	59.32	59.57	59.83	57.18	58.32	59.65	23.1	27	31.5	30.1	27.6	25.1	31.8	22.9	97	83	65	75	87	92	------
28	58.20	58.47	58.59	56.77	57.60	58.78	23.7	27	32.2	32.1	28	25	33.5	23.2	93	86	63	63	79	89	3
29	58.32	58.58	58.66	56.81	57.44	58.72	23.7	27.9	31.4	31	28.2	25.4	32.6	23.5	93	84	70	70	81	89	------
30	58.09	58.17	59.19	57.49	58.54	59.25	25.3	24.7	30.5	30	27.8	25.5	31.1	23.7	91	93	76	70	82	91	------
Mean	58.15	58.60	59.10	56.96	57.93	59.16	24.1	25.3	29.1	29.1	27	25.2	30.5	23.2	94.3	92.4	78.4	77	85.3	91.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	128.4

Day.	Wind.										Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower	Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	S	1	S	1	NW	1	NW	1	NW	1	Calm	----	9	----------	Cu.	4	Ci.-S. SW	Cu. NE
2	SE	1	Calm	----	NE	1	ENE	1	ENE	1	Calm	----	8	----------	Cu.-N. E	7	----------	Cu.-N. E
3	Calm	----	Calm	----	ENE	2	ENE	2	ENE	1	SE	1	5	Ci. NE	Cu.-N. E	6	Ci.-S. NE	Cu.-N. E
4	Calm	----	Calm	----	NE	2	NE	2	NEbyE	1	NE	1	8	Ci.-S.	Cu. NE	8	----------	N.-cf. NE
5	NNE	1	NE	1	NEbyE	1	NNW	3	NE	1	SSW	1	9	----------	Cu. NE	10	----------	Cu.-N. NE
6	SW	1	Calm	----	NW	2	NNW	2	NNE	2	NW	1	10	----------	Fr.-N. NE	10	----------	Cu.-N. NE
7	Calm	----	Calm	----	W	1	NW	2	NNW	1	NE	1	7	----------	N.	10	----------	Cu.-N.
8	Calm	----	Calm	----	ENE	1	ENE	1	NE	1	Calm	----	4	Ci.	Cu. SE	4	----------	Cu. SE
9	Calm	----	Calm	----	ENE	1	NE	1	ENE	1	Calm	----	4	----------	Cu.-N.	6	----------	Cu.-N. E
10	Calm	----	Calm	----	NE	1	E	2	SE	1	ESE	1	5	----------	Cu.-N. E	9	----------	Cu.-N. E
11	Calm	----	Calm	----	ENE	1	ENE	1	ENE	1	Calm	----	4	----------	Cu.-N.	3	----------	Cu.
12	SE	1	Calm	----	ENE	1	NE	2	NE	2	E	1	5	----------	Cu.	3	----------	Cu.
13	Calm	----	Calm	----	NE	1	NE	2	NE	2	ENE	1	7	----------	N.-cf. NE	9	----------	N.-cf. NE
14	NE	2	NE	2	S	1	NE	2	ENE	1	NE	1	10	----------	Fr.-N. NE	9	A.-Cu.	Cu.-N. NE
15	SE	1	Calm	----	E	1	NW	2	NE	1	Calm	----	3	Ci.	Cu.-N. SE	2	----------	Cu.-N.
16	Calm	----	Calm	----	ESE	1	NW	1	NE	1	Calm	----	1	----------	Cu. E	4	Ci.-S.	Cu. E
17	Calm	----	Calm	----	NE	1	NW	1	ENE	1	Calm	----	3	Ci.-S. NE	Cu. E	9	Ci.-S. NE	Cu.-N.
18	Calm	----	Calm	----	S	1	NW	1	NE	1	Calm	----	8	Ci.-S. NE	Cu. E	9	Ci.-S. NE	Cu. E
19	Calm	----	Calm	----	SSE	1	NW	1	NE	1	Calm	----	10	Ci.-S.	Cu.	10	Ci.-S. NE	Cu. E
20	Calm	----	Calm	----	NW	1	Calm	----	Calm	----	Calm	----	10	A.-S.	Cu.	10	Ci.-S.	Cu.-N. ENE
21	Calm	----	Calm	----	SbyW	1	WSW	1	Calm	----	Calm	----	10	----------	N.	10	----------	Cu.-N.
22	NW	1	NW	2	WbyN	2	WSW	1	SSW	2	Calm	----	10	----------	Fr.-N.	8	Ci.-S.	Cu.-N. NW
23	Calm	----	Calm	----	ENE	1	EbyS	1	Calm	----	Calm	----	4	Ci.	Cu.	6	----------	Cu.-N. S
24	Calm	----	Calm	----	NW	1	WNW	1	NNE	1	Calm	----	2	----------	Cu. S	4	Ci.-S.	Cu.-N.
25	Calm	----	Calm	----	NW	2	NW	2	Calm	----	Calm	----	7	A.-Cu. SE	S.-Cu.	2	A.-Cu. SE	Cu.-N.
26	Calm	----	Calm	----	WNW	1	WbyN	2	WSW	1	Calm	----	2	----------	Cu.-N.	2	----------	Cu.-N.
27	Calm	----	Calm	----	W	1	NW	1	SW	1	Calm	----	5	A.-Cu.	Cu.-N.	4	A.-Cu.	Cu.-N.
28	Calm	----	Calm	----	W	1	SSW	1	Calm	----	Calm	----	1	----------	Cu.-N.	3	Ci.	Cu.-N.
29	Calm	----	Calm	----	SW	1	WbyN	2	WSW	1	Calm	----	4	Ci. NE	Cu.-N.	6	Ci.-S. NE	Cu.
30	Calm	----	Calm	----	WbyN	1	WbyN	1	Calm	----	Calm	----	9	Ci.-S. NE	Cu.-N. SW	9	Ci.-S. NE	Cu.-N. SW
Mean	------	0.3	------	0.2	------	1.2	------	1.4	------	0.9	------	0.3	6.1	----------	----------	6.5	----------	----------

SURIGAO.

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

MAY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1	58.72	58.98	59.87	57.26	58.42	59.22	24	24.6	26.9	30.1	26.7	24.1	31.2	23.3	92	95	89	69	87	97	3
2	58.19	58.44	58.57	56.94	57.77	58.64	23.5	25.1	31.3	29	26.6	24.1	31.9	22.9	94	94	70	76	86	95	------
3	57.72	58.04	58.96	57.01	57.71	59.37	23.5	27	30.6	30.6	26.3	25.2	31.1	22.8	95	85	74	70	89	92	------
4	58.69	59.30	59.58	57.90	59.14	60.56	23.9	24.2	31.1	29.7	26.1	25.2	32.6	23.1	95	93	75	77	87	92	------
5	59.60	60.71	60.84	58.50	59.03	60.70	25	24.4	30.4	30.5	28.5	25.2	31.1	24	93	96	76	80	81	96	------
6	59.82	60.38	60.38	58.22	58.88	60.27	23.7	25.1	31.1	30.7	28.1	26.1	32.8	23.1	95	92	75	72	83	91	31.7
7	59.45	60.30	60.39	57.91	58.82	60.74	25.1	23.4	29.6	30.3	27.5	25.4	31	22.7	95	96	70	68	84	90	------
8	59.55	59.62	59.54	56.85	58.31	59.46	23.7	25.5	30.4	29.9	28.2	25.7	31.5	22.7	95	88	74	75	82	92	------
9	58.59	59.66	60.38	57.76	58.31	59.54	23.9	27	30.9	31.2	28.1	25.6	33	23.6	95	88	78	63	82	92	------
10	58.72	59.27	60.14	57.50	58.45	59.79	24.1	26.1	30.2	31.8	28.1	25.8	32.2	23.4	93	89	78	70	83	88	------
11	58.21	58.80	59.61	57.45	57.92	59.26	24	24.3	31.3	28.3	27.1	25.7	32.1	23.5	95	96	75	85	87	93	7.1
12	58.19	58.44	58.81	56.84	57.55	58.69	24.6	25.5	29.1	28.1	26.7	24.9	31	23.5	94	93	83	84	86	94	------
13	58.01	58.30	59.32	57.30	57.07	58.71	24.4	24	27.7	29.1	27.1	24.7	29.9	23.6	94	97	90	81	87	95	50.3
14	58.10	57.67	58.53	57.92	58.07	59.47	23.8	24.3	28.1	28.2	27.6	25.5	29.5	23.2	96	96	92	88	94	94	7.1
15	58.39	58.40	59.05	57.28	57.96	59.36	24.9	24.2	30.2	29.9	27.5	25.2	30.8	23.3	95	97	78	78	86	92	------
16	58.72	58.85	60.03	57.39	57.59	58.72	24.1	25.6	26.9	27.8	27.3	25.7	31.1	23.4	96	93	85	84	87	93	------
17	57.59	57.77	58.86	56.59	57.80	58.33	24.2	24.6	30.5	29.3	26.3	24.1	31.4	23.5	96	95	72	77	87	94	------
18	57.38	57.85	58.36	56.23	57.16	58.37	23.5	25.3	30.4	30.2	27.6	25.7	31.6	22.8	95	91	75	71	80	91	------
19	57.72	58.22	58.53	56.68	57.19	58.43	24.2	25.2	31	31.1	27.6	25.2	32.6	23.2	94	83	75	75	83	92	------
20	57.69	58.32	58.28	56.34	57.82	58.90	24.3	24.5	30.4	30.9	27.1	25.6	31.8	23.1	95	94	75	73	84	89	------
21	58.12	58.45	58.73	56.73	57.20	58.24	24.5	24.1	30.8	31.3	28.4	26.5	32.2	23.5	93	95	78	72	80	89	------
22	57.12	57.65	58.28	56.34	57.27	58.38	24.4	26.6	30.4	30.9	27.3	24.6	31.8	23.9	95	89	75	73	82	92	------
23	57.26	57.89	58.28	56.04	56.41	58.25	23.3	24.3	30.4	31	28.5	26	32.2	22.3	97	93	75	72	78	89	------
24	57.34	57.42	57.86	55.89	56.36	58.15	24	26.1	29.7	31	28.5	26.3	31.9	23.8	97	89	71	72	80	90	------
25	57.52	57.82	58.74	56.88	57.41	58.99	24.9	25.8	30.7	29.6	27.5	25.1	31.8	23.9	95	95	76	77	83	93	------
26	58.21	58.15	58.98	57.04	58.08	59.50	23.7	24.9	31.1	32.1	28.6	26.3	32.8	23	95	93	75	70	83	90	------
27	58.99	58.74	59.15	57.68	57.24	59.27	24.6	25.4	31	30.3	28.3	25.5	31.6	24	96	93	75	75	83	92	------
28	58.46	58.63	58.74	56.57	56.70	58.52	23.6	23.9	31.2	31.2	29.7	26.2	32.6	22.8	94	96	75	70	71	90	------
29	57.89	57.92	58.21	55.81	56.46	57.85	24.2	25.2	31	30.6	28.5	25.6	31.5	23.3	96	93	74	67	80	90	------
30	57.32	57.79	57.96	56.43	56.96	58.67	24.1	25.1	31.5	30.8	28.6	25.9	31.8	23.3	95	92	70	67	81	91	------
31	57.79	57.93	58.62	57.20	57.64	59.17	24.4	24.3	30.1	27.6	26.8	24.9	32.3	23.5	96	95	78	81	86	93	5.3
Mean	58.23	58.57	59.08	57.05	57.70	59.08	24.1	25	30.2	30.1	27.6	25.4	31.7	23.3	94.9	92.7	76.8	74.6	83.6	92	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	104.5

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*1–10*		
1	Calm	----	Calm	----	Calm	----	WNW	1	Calm	----	Calm	----	7	A.-Cu.	Cu.-N.	7	Ci.-S. NE	Cu.-N. sw
2	Calm	----	Calm	----	NW	1	S	1	Calm	----	Calm	----	7	A.-Cu.	Cu.-N. SW	7	----------	Cu.-N. sw
3	Calm	----	Calm	----	NNW	1	NW	1	Calm	----	Calm	----	5	A.-Cu. SE	Cu.-N. SW	7	----------	Cu.-N. sw
4	Calm	----	Calm	----	NE	1	NW	1	SSW	1	NW	1	5	----------	Cu.-N. SW	8	Ci.-S.	Cu.-N. sw
5	Calm	----	SSW	1	WbyN	1	WNW	1	NbyE	1	Calm	----	9	----------	Cu.-N. SW	5	Ci.-S. NE	Cu.-N. sw
6	Calm	----	Calm	----	SSE	1	NE	2	ENE	1	SE	1	4	----------	Cu.-N.	5	Ci.-S. NE	Cu.-N.
7	Calm	----	Calm	----	WbyN	1	WNW	1	WNW	1	SE	1	9	----------	Cu.-N. SW	5	Ci.-S.	Cu.-N. sw
8	Calm	----	Calm	----	ENE	1	ENE	2	ENE	2	Calm	----	4	A.-Cu.	Cu.	4	----------	Cu.-N. sw
9	Calm	----	Calm	----	SSE	1	ENE	2	ENE	1	Calm	----	2	Ci.	Cu.	3	----------	Cu.-N. S
10	Calm	----	Calm	----	SE	1	NW	1	ENE	1	Calm	----	2	----------	Cu. E	4	Ci.	Cu.-N. E
11	Calm	----	Calm	----	SE	1	ENE	1	EbyN	1	SE	1	3	----------	Cu.-N.	9	----------	Cu.-N.
12	Calm	----	Calm	----	NE	1	ENE	1	E	1	Calm	----	2	----------	Cu.-N.	10	Ci.-S.	Cu.-N. E
13	Calm	----	Calm	----	S	1	NE	1	ENE	1	S	1	10	Ci.-S. NE	Cu.-N. E	10	----------	Cu. E
14	Calm	----	Calm	----	S	1	S	1	Calm	----	Calm	----	8	----------	Cu.-N.	10	----------	Cu.-N.
15	Calm	----	Calm	----	S	1	ENE	2	ENE	1	Calm	----	8	A.-Cu. N	Cu.-N.	7	Ci.-S. S	Cu.-N. E
16	Calm	----	Calm	----	NNW	3	NW	2	NE	2	Calm	----	4	Ci.-S. S	Cu. E	9	Ci.-S. S	Cu.-N. E
17	Calm	----	Calm	----	ENE	1	ENE	2	SE	1	Calm	----	5	Ci.-S. S	Cu.-N. E	6	A.-Cu. NW	Cu. WSW
18	Calm	----	Calm	----	ENE	1	ENE	2	NE	2	ENE	1	2	----------	Cu.-N.	4	Ci.-S.	Cu.-N.
19	S	1	Calm	----	NE	2	NW	2	ESE	1	S	1	3	----------	Cu.-N.	5	----------	Cu.-N.
20	S	1	Calm	----	NE	2	NE	2	S	1	Calm	----	4	Ci.-S.	Cu.-N.	5	Ci.-S. N	Cu.-N.
21	Calm	----	Calm	----	NE	2	NE	2	E	2	SE	1	3	----------	Cu.-N.	4	Ci. N	Cu.-N.
22	Calm	----	ESE	1	NE	2	NE	2	Calm	----	SE	1	4	Ci. N	Cu.-N.	5	Ci. N	Cu.-N.
23	Calm	----	Calm	----	ENE	1	NE	2	NE	1	SE	1	4	Ci.-S. N	Cu.-N.	9	----------	Cu.-N.
24	Calm	----	Calm	----	NE	2	ENE	2	NE	2	SE	1	6	Ci. N	Cu.-N.	4	Ci. N	Cu.-N.
25	Calm	----	Calm	----	ENE	1	ENE	2	E	1	Calm	----	7	Ci. NE	Cu.-N.	9	----------	Cu.-N.
26	Calm	----	Calm	----	NE	1	NW	1	NE	1	Calm	----	3	----------	Cu. SE	3	----------	Cu.-N. SE
27	Calm	----	Calm	----	S	1	NNE	1	E	1	SE	1	6	Ci.	Cu.-N. SE	9	Ci.-S. E	Cu.-N.
28	SE	1	Calm	----	E	1	NW	1	NE	1	S	1	5	Ci. E	Cu.-N.	5	Ci. E	Cu.-N. sw
29	Calm	----	S	1	SSE	1	NW	1	E	1	S	1	2	Ci.	Cu.	3	Ci. E	Cu.-N.
30	Calm	----	Calm	----	SE	1	NW	1	E	1	NE	1	2	Ci. W	Cu.-N. W	3	Ci.	Cu.-N.
31	SE	1	SE	1	NE	1	EbyS	3	NE	1	ENE	1	5	A.-Cu.	Cu.	10	----------	Cu.-N.
Mean	------	0.1	------	0.1	------	1.2	------	1.5	------	1	------	0.5	4.8	----------	----------	6.3	----------	----------

SURIGAO.

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

JUNE, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	
1	58.87	59.08	59.46	57.78	58.34	59.82	24.7	24.6	27.4	29.2	28.1	26.3	30.2	23.7	94	88	84	79	82	90	8.1
2	59.09	60.02	60.02	58.85	58.67	59.76	24.5	24.9	28.1	28.8	27.7	25.4	29.7	24.1	95	96	85	78	80	93	1.5
3	58.91	59.10	60.12	58.17	59.15	60.55	24.1	24.1	29.2	28.3	27	25.1	32.5	23.6	96	96	80	80	88	94	11.7
4	59.43	59.60	60.25	58.43	59.29	60.16	24.5	24.6	25.1	26.3	24.6	23.9	28.1	23.2	94	95	95	90	95	96	5.8
5	59.29	58.93	59.44	56.98	57.50	59.51	23.5	23.1	30.1	30.4	28.3	25.4	31.2	23.2	90	97	75	72	80	90	
6	58.26	58.20	58.89	56.49	57.40	58.75	23.7	23.5	30.5	31	28.3	25.7	31.6	22.3	95	94	74	71	80	91	
7	57.70	58.30	58.84	56.76	57.41	58.30	24.2	24.9	31.1	31.7	28.4	25.8	32.5	23.2	96	92	70	70	80	91	
8	57.46	57.97	58.89	56.97	57.56	58.81	24.1	25	30.1	30.7	28.6	26.2	31.5	23.4	96	92	78	74	79	97	
9	57.92	59.23	59.20	57.50	57.94	59.77	24.7	25.4	30	30.7	28.7	26.2	31.4	23.4	95	90	75	71	83	93	
10	58.97	59.32	59.85	58.16	58.40	59.51	25.1	24.7	30.2	30.6	26.8	25.6	31.6	24	92	95	78	78	90	93	6.4
11	58.32	58.83	59.32	57.31	57.59	59.32	24.5	24.3	28.5	27.8	27.4	26	28.8	23.6	95	97	84	88	87	93	39.9
12	57.49	57.98	58.67	57.21	57.79	59.18	24.4	24.6	29.2	28.4	27.7	24.9	30.6	23.9	97	96	77	78	85	96	2.3
13	58.11	58.27	58.85	57.71	58.35	60.37	23.9	24.5	29.3	31.1	28.7	26	31.7	23.5	97	94	79	66	79	90	13.2
14	59.92	59.21	60.16	58.88	58.50	59.89	24.9	25.4	28.4	30.1	28.5	27	32	24.3	95	93	82	75	78	88	
15	59.72	59.56	59.96	58.52	58.60	59.18	26.8	28.2	30.7	31.8	28.7	27.6	32.2	25.7	87	84	72	66	78	84	
16	57.99	57.76	58.74	57.83	57.22	57.51	27.7	28.2	29.8	27	26.9	27	30.2	25.3	82	77	72	76	77	75	
17	56.89	57.02	57.69	56.30	56.67	58.07	27.1	27	30.4	31	27.7	27	32.5	26.2	81	77	65	65	72	77	
18	57.27	56.99	57.45	56.08	56.55	58.44	26.7	25.2	31.1	30.6	28.9	26.7	31.6	24.9	81	81	60	64	73	82	40.1
19	58.79	58.50	59.30	57.79	57.69	59.08	23.6	24.2	26.8	29.5	27.6	25	30	23.3	95	96	88	78	81	92	
20	58.01	58.79	59.69	57.75	58.03	59.64	23.9	23.3	29.5	30.8	28.6	26.4	31.7	22.5	97	95	76	67	78	89	
21	58.92	59.97	60.55	58.29	59	60.65	24.7	24.6	28.1	31.1	28.6	25.7	31.5	23.9	95	95	88	74	83	90	
22	59.77	60.80	61.30	59.40	59.50	61.29	24.3	24.4	30.8	31.5	28.9	26.2	32.8	23.5	97	94	76	66	78	90	
23	60.45	60.40	61.44	59.23	59.45	60.74	23.9	23.4	26.5	29.5	28.2	25	30.4	23.1	96	94	89	76	84	93	
24	59.29	59.39	59.83	58.10	57.87	58.89	23.7	24.1	30.8	30.3	26.9	24.1	31.2	22.9	94	95	76	72	86	93	
25	58.39	57.69	58.27	56.41	57.05	58.57	23.5	23.8	30.1	31.3	28.5	26.4	32.1	23.1	97	94	76	69	77	86	5.1
26	58.20	58.24	58.77	57.12	57.14	58.41	25.3	25.4	29.1	29.5	28.1	26.3	30.8	23.4	90	90	78	78	82	85	1.8
27	57.59	57.92	58.66	57.24	57.67	58.52	24.6	26	30	29.6	27.6	25.2	30.6	24	93	89	69	74	83	92	
28	58.29	58.55	58.72	56.86	56.56	57.94	23.5	23.4	30.9	31.3	28.6	25	31.7	22.8	95	95	71	66	80	91	6.1
29	57.44	57.50	57.92	56.10	55.78	56.29	23.9	24.1	27.1	28.3	26.5	25.5	28.7	23.1	92	91	84	82	85	91	7.1
30	55.38	55.61	56.07	54.44	55.48	55.87	25.9	26.3	26	26.1	25.9	26.6	26.8	24.4	86	84	86	82	82	75	10.2
Mean	58.40	58.59	59.21	57.49	57.80	59.09	24.7	24.8	29.2	29.8	27.8	25.8	30.9	23.7	92.8	91.5	78.1	74.2	81.5	89.3	
Total																					159.3

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	ENE	1	ENE	2	ENE	1	ENE	2	ENE	2	SE	1	10		Cu.-N.	8	A.-Cu.	Cu.-N. E
2	SE	1	NE	2	NE	1	NW	1	NE	1	NW	1	10		N.	9	A.-Cu. NE	Cu.-N. E
3	Calm		Calm		S	1	NW	1	NW	1	Calm		4	A.-Cu.	Cu. E	6		Cu.-N. E
4	S	1	E	1	S	1	ENE	2	Calm		Calm		10		Fr.-N. E	10		N
5	Calm		Calm		ESE	1	ENE	2	ENE	2	SE	1	2		Cu.-N.	3		Cu. NE
6	Calm		Calm		SSW	1	ENE	1	NE	2	EbyS	1	5	Ci. SE	Cu.-N.	2		Cu. E
7	S	1	Calm		ENE	1	ENE	1	SE	1	SSE	1	2		Cu.-N.	6	Ci.-S. SE	Cu. SW
8	SE	1	Calm		S	1	SE	1	ESE	1	SE	1	2		Cu.-N.	3		Cu.-N.
9	Calm		Calm		WNW	1	NW	1	WNW	1	SSW	1	2		Cu.-N.	2		Cu.-N.
10	Calm		Calm		NW	1	NW	1	Calm		Calm		5	Ci.-S. W	Cu. E	6		Cu.-N. E
11	Calm		Calm		WNW	1	W	1	NW	1	SSE	1	9	Ci.-S. E	Cu.-N. N	10	Ci.-S. S	Cu.-N. N
12	SE	1	Calm		WNW	2	Calm		NW	1	SE	1	5	Ci. S	Cu.-N.	10		Cu.-N.
13	Calm		Calm		NW	3	WSW	2	W	1	WNW	1	4	A.-Cu. S	Cu.-N.	2		Cu.-N.
14	WSW	1	S	1	SW	2	WNW	1	WbyS	1	SW	1	9		Cu.-N.	9	A.-Cu. S	Cu.-N. SW
15	SW	2	SW	3	SSW	2	SSW	3	SSW	1	SSW	1	4	A.-Cu. S	Cu.-N. SW	9	A.-Cu. S	Cu. SW
16	SSW	2	SSW	3	SbyW	4	SSW	5	SW	4	SbyW	4	9	Ci. NE	Cu. SW	10		Cu.-N.
17	SW	2	SW	2	SW	3	S	3	SSW	2	W	3	4		N.-cf. SW	9	Ci.-S. NE	Cu.-N. SW
18	SW	2	S	1	S	1	WNW	1	Calm		SW	1	10	Ci.-S. NE	Cu.-N. SW	10	A.-Cu. SE	S.-Cu.
19	Calm		Calm		Calm		NNW	1	EbyS	1	SSE	1	10		Cu.-N.	5	Ci.-S. NE	Cu.-N.
20	Calm		SbyW	1	NE	1	W	1	ENE	2	Calm		8	Ci.-S. NE	Cu.-N.	7	A.-Cu. SE	Cu.-N.
21	Calm		Calm		W	1	WNW	1	NW	1	Calm		10		Cu.-N.	5	Ci. NE	cu.-N. wsw
22	Calm		Calm		SSE	1	NNE	1	ENE	1	W	1	3		Cu.-N.	4	Ci. NE	Cu.-N.
23	Calm		S	1	S	1	WNW	1	W	1	Calm		2		Cu.-N. S	7	Ci.-S.	Cu.-N. S
24	Calm		Calm		S	1	WNW	1	NE	1	Calm		4	Ci. NE	Cu.-N.	8		Cu.-N.
25	Calm		Calm		NNE	1	WNW	2	WNW	1	SSW	1	6	Ci.-S. NE	Cu.-N.	6	Ci.	Cu.-N.
26	SSW	1	WNW	1	WSW	1	SbyW	1	WSW	1	SW	2	10	Ci.-S.	Cu.-N. W	10	A.-Cu.	Cu.-N. W
27	WSW	1	WSW	1	SSW	2	WNW	2	SSW	1	Calm		10	Ci.-S. NE	Cu.-N. W	10	Ci.-S. NE	Cu.-N. W
28	Calm		SSW	1	WbyS	1	SW	1	WNW	1	SW	1	3		Cu.-N.	7	Ci.-S.	Cu.-N. SW
29	Calm		Calm		SW	1	W	1	Calm		SW	1	10		Cu.-N.	10		Cu.-N.
30	SW	1	SW	1	SW	2	SbyW	3	WNW	2	SW	4	10		Fr.-N. SW	10		Fr.-N. SW
Mean		0.6		0.7		1.4		1.5		1.2		1	6.4			7.1		

SURIGAO.

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

JULY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	55.76	56.38	57.05	55.83	57.26	58.51	26.2	25.7	30.1	31	27.9	26	31.6	23.9	77	85	72	66	83	92	4.6
2	57.87	58.68	60.04	58.38	58.76	60.23	23.5	23.6	29.8	29.5	27.5	24.4	31.4	22.9	95	96	77	79	84	93	------
3	59.55	59.42	60.11	58.13	57.80	59.81	23.7	23.9	28.7	29.5	28.1	25.6	31.7	22.9	95	96	79	76	84	94	15.2
4	59.24	59.02	59.16	57.07	57.49	59.31	24.4	25	28.4	29.1	27.5	25.2	29.2	23.7	94	97	82	82	89	95	6.8
5	57.93	58.57	59.37	57.12	57.56	59.14	23.7	24.6	28.3	29.5	27.3	24.7	30.2	23.3	97	96	85	78	85	95	9.4
6	58	58.37	58.56	56.83	57.42	58.81	23.7	24.2	27.6	27.3	27.5	25.1	30.2	23.2	95	96	82	87	83	94	11.9
7	58.09	58.34	58.67	57	57.82	59.84	24.1	24.3	29.4	29.9	27.4	25.6	31.1	23.3	95	97	79	77	89	93	1.8
8	58.52	58.15	59.20	57.44	58.08	58.90	24.5	25.3	29	31.4	28.1	25.4	31.6	23.7	97	93	84	68	77	90	13.7
9	58.55	58.25	58.95	57.33	57.90	59.45	23.9	24.9	28.6	30.9	28.2	25.6	31.4	23.5	95	95	81	65	81	88	2
10	58.49	58.16	59.08	58	57.96	58.81	27	27.5	29.6	30.4	28.1	27.9	31.5	25.3	85	83	75	74	82	82	------
11	58.07	58.13	59.23	56.56	57.39	58.92	27.6	27.5	29.4	28.6	28.1	26.5	29.9	25.3	81	79	74	74	73	86	2.3
12	57.30	58.42	58	56.46	56	57.02	27.3	26.4	27	26.3	26.6	25.2	27.9	24.2	86	89	91	86	83	90	6.6
13	55.01	55.22	56.39	55.35	55.64	57.41	25.8	26.6	27.9	27.7	26.6	26.5	28.1	23.9	81	79	81	69	71	74	1.8
14	56.05	56	56.21	55.55	55.81	58.08	27.4	27.6	29.6	30.7	29.8	29	31.9	26.6	65	64	63	60	57	61	------
15	56.79	57.10	57.47	56.50	57.34	58.60	28.3	28.1	31.9	31.7	29.1	27.8	32.5	27.7	62	65	55	66	75	79	------
16	57.22	57.63	57.83	56.89	56.61	58.70	27	23.9	31.4	31.6	29	28.2	32.4	23.5	70	84	59	58	71	77	------
17	58.39	57.76	58.06	56.98	56.90	57.95	26.2	24.9	31.6	31.6	29.1	28.4	33.2	24.4	86	90	57	58	64	71	------
18	56.62	57.05	57.31	55.80	56.11	57.46	27.5	26.5	30	29.9	27.9	26.6	31	24.2	73	76	69	70	74	75	------
19	57.02	56.58	57.30	55.68	56.20	58.49	26.7	26.8	29.4	30.9	28.2	25.1	31.8	24.8	89	84	67	60	75	90	1.3
20	57.15	56.72	57.91	56.44	56.91	58.26	26.8	26.7	30.1	29.6	28.9	26	32.1	24.6	83	82	75	75	67	90	6.6
21	56.47	56.46	56.81	55.50	55.90	57.09	26.9	26.8	30.4	31.8	29	24.6	32.5	24.2	90	86	71	61	64	84	------
22	55.87	55.42	56.25	54.19	54.68	56.50	24.6	26.9	31.4	32.6	29.7	27.2	33.2	24.3	89	77	65	56	59	83	------
23	55.09	55.41	55.74	54.80	55.13	57.25	27.9	27.2	30.3	31.4	28.5	27.3	31.7	25.8	75	74	65	67	80	76	------
24	55.72	55.99	56.64	55.12	55.69	56.86	27.6	28.1	32.7	32.2	28.9	27.7	33.7	25.7	69	72	57	66	75	80	------
25	55.80	55.66	56.36	54.66	55.48	57.07	27.3	27.7	31.8	32.3	29.4	27.7	33.3	25.9	79	81	69	62	74	75	------
26	55.72	56.22	56.37	55.07	56.05	57.61	27.5	26.1	32.3	32.4	29.6	27.6	33.7	25.4	81	88	52	52	66	77	------
27	56.96	56.99	58.34	56.96	57.36	58.25	25.7	27.4	28.1	29.4	28.2	26.7	29.7	25.4	88	88	77	76	81	90	69.1
28	57.41	58.25	58.37	57.53	57.20	57.84	25.9	23.7	27.2	24.4	24.6	25.2	27.7	23.4	92	97	89	92	94	88	58.9
29	57.04	57.13	57.63	55.92	55.98	57.57	23.7	23.6	24.9	25.6	25	25.3	27.6	22.9	93	96	93	90	91	86	5
30	56.69	56.33	57.40	55.96	56.83	57.56	25.9	26.1	27.4	28.4	26.8	26	29.1	25.2	90	82	81	75	82	82	------
31	55.83	56.75	57.30	56.03	56.34	57.87	25.9	26.7	28.8	30.8	28.1	26.1	32.1	24.5	85	83	66	66	78	87	------
Mean	57.10	57.24	57.84	56.36	56.76	58.23	25.9	25.9	29.5	29.9	28	26.3	31.1	24.4	84.9	85.5	73.3	70.7	77.1	84.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	217

Day.	Wind.										Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	SW	3	SbyW	1	E	1	SbyW	1	S	1	S	1	10	A.-S.	Cu.-N. SW	9	Ci.-S. NE	Cu.-N. sw
2	S	1	S	1	ESE	1	NE	1	Calm	----	SbyW	1	10	A.-S.	Cu.-N.	8	Ci.-S. NE	Cu.-N. sw
3	S	1	SbyW	1	ENE	1	EbyS	1	ENE	1	SE	1	9	Ci.-S.	Cu.-N.	8	A.-Cu.	Cu. S
4	S	1	Calm	----	ESE	1	NW	1	Calm	----	Calm	----	10	----------	N.	8	Ci.-S.	Cu.-N. N
5	Calm	----	S	1	EbyS	1	NW	1	NE	1	Calm	----	10	----------	Cu.-N.	8	Ci.-S. E	Cu.-N. S
6	Calm	----	SbyW	1	NE	1	NE	1	ENE	1	S	1	8	Ci.-S. E	Cu.-N.	10	----------	Cu.-N.
7	Calm	----	Calm	----	NNW	1	W	1	S	1	SSW	1	5	Ci.-Cu.SSE	Cu.-N. SE	8	A.-Cu.SSE	Cu.-N. SE
8	Calm	----	WSW	1	NW	1	W	2	SSW	1	SSW	1	10	A.-Cu. SE	Cu.-N. SW	3	Ci.-S. E	Cu.-N. sw
9	Calm	----	Calm	----	WNW	2	WSW	1	WNW	1	SW	1	6	A.-Cu. NW	cu.-N. wsw	7	Ci. E	Cu.-N. sw
10	SW	2	SW	2	W	3	WbyS	2	WbyS	1	SW	3	6	Ci. E	Cu.-N. SW	9	Ci.-S. E	Cu.-N. sw
11	SW	4	SW	4	SW	4	SW	4	W	4	NW	4	9	Ci.-S. E	Cu.-N. SW	10	Ci.-S.	Cu.-N. sw
12	WNW	4	WbyN	4	SW	5	W	5	W	5	WSW	6	10	----------	Cu.-N.	10	----------	Fr.-N. W
13	SW	6	SW	6	SW	7	SW	7	SW	7	SW	7	10	----------	Fr.-N. SW	10	----------	Fr.-N. SW
14	SSW	8	SW	6	S	4	SbyW	5	SW	4	SW	2	10	----------	Fr.-N.	9	A.-Cu. W	Cu. SW
15	SbyW	2	SbyW	2	SSW	3	SbyW	2	SW	1	SW	2	8	Ci.-S.	Cu.-N.	7	Ci. E	Cu. SW
16	SbyW	2	S	1	SSW	1	WSW	2	SW	1	SSW	1	8	Ci.-S.	Cu.-N.	5	A.-Cu. E	Cu. SW
17	SbyW	1	SbyW	1	SSW	1	S	1	SSW	1	SSW	1	8	A.-Cu. E	Cu.-N.	7	A.-Cu. E	Cu. W
18	SW	5	SW	4	SW	4	SW	4	WSW	3	SW	5	9	A.-Cu. E	Cu.-N.	10	A.-Cu. E	Cu. W
19	SW	4	SW	3	SSW	3	SSW	2	SW	1	Calm	----	10	----------	Cu.-N. W	9	A.-Cu. E	Cu.-N. W
20	SW	2	WbyS	2	WNW	2	WbyS	1	WSW	1	W	1	7	A.-Cu. NW	Cu. SW	10	----------	Cu.-N. sw
21	W	2	Calm	----	SW	2	WbyS	4	SW	2	SW	1	7	A.-Cu. NW	Cu. W	9	A.-Cu. NW	Cu. WSW
22	W	1	WSW	1	SSW	1	SW	3	SW	3	W	1	7	A.-Cu. NE	Cu. SW	5	Ci.-S.	Cu. SW
23	WSW	3	SW	1	WSW	2	SSW	1	SW	1	SW	4	9	A.-Cu. NE	Cu.-N.	10	Ci.-S	Cu.-N.
24	SW	2	WbyS	1	SW	3	SW	3	SW	3	SW	1	8	Ci.-S.	Cu.-N. SW	7	A.-Cu. E	Cu.-N.
25	SW	2	WbyS	1	WNW	2	W	3	SSW	1	SSW	2	4	A.-Cu. E	Cu.-N.	5	A.-Cu. E	Cu. SW
26	SW	2	Calm	----	WSW	2	SSW	2	SW	1	SSW	1	5	A.-Cu. E	Cu.-N.	7	A.-Cu. E	Cu. SW
27	SbyW	1	WSW	1	WSW	2	WSW	1	SW	1	SW	1	10	----------	Cu.-N. SW	10	Ci.-S.	Cu.-N. sw
28	SW	1	Calm	----	SSW	1	WSW	1	WbyN	1	SW	1	10	----------	N.	10	----------	N.
29	W	1	Calm	----	WSW	1	WbyS	1	WSW	1	SW	2	10	----------	N.	9	Ci.-S.	Cu.-N.
30	SW	3	SW	3	SW	3	WSW	2	WSW	2	SW	3	10	----------	Fr.-N. SW	10	Ci.-S. E	Cu.-N. sw
31	SW	2	SbyW	1	SW	2	WSW	3	SW	1	S	1	10	A.-Cu.	Cu.-N. SW	3	----------	Cu.-N.
Mean	------	2.1	------	1.6	------	2.2	------	2.2	------	1.7	------	1.8	8.5	----------	----------	8.1	----------	----------

SURIGAO.

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

AUGUST, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	56.81	57.38	56.94	56.12	57.18	58.51	24.3	24.6	31.9	31.8	28.6	27.5	33.6	23.3	95	89	60	60	81	87	------
2	57.59	58.07	57.96	56.23	56.91	58.87	26.6	24.9	31.3	32.1	28.4	27.7	33	24.5	90	92	63	61	68	77	3
3	57.11	57.65	57.85	56.02	57.25	58.56	27.5	26.8	32.2	31.7	29.1	28	32.9	26.3	86	90	64	66	68	77	------
4	57.42	57.37	57.88	56.23	56.64	58.01	27.5	27.5	31.5	32.5	28.4	25.5	32.8	24.8	81	84	64	62	80	85	------
5	57.01	57.49	57.68	55.88	56.63	58.67	25	24.2	31.6	31.1	28.4	25.4	33.2	23.8	88	93	66	66	82	89	5.8
6	57.49	57.54	57.91	56.29	56.88	58.69	25.1	25.5	29.7	30.8	28.3	26.6	31.9	24.5	91	95	77	71	80	88	------
7	56.97	57.23	57.53	56.30	56.62	57.60	27.2	27.4	30.9	30.4	27.8	27.3	31.5	26.3	84	81	71	70	79	86	------
8	56.04	56.05	56.32	55.15	55.22	56.36	26	26.9	30.5	31.1	27.8	27.6	31.8	25.7	82	80	70	66	82	84	------
9	54.92	55.65	55.95	54.06	54.75	55.80	26.9	27.7	30.2	30.5	28.4	27.8	32	26.7	84	78	67	65	71	75	------
10	54.97	55.44	55.26	54.35	55.01	56.30	27.6	28	31.1	30.4	27.3	26.6	31.8	26.3	73	72	64	68	78	80	------
11	55.40	55.95	56.94	55.21	55.96	57.85	27	27.1	30.6	30.4	28.1	27.6	32.1	26.4	76	77	68	66	66	79	------
12	56.31	56.64	57.34	55.74	56.41	57.69	27.5	27.9	30.8	31.5	27.5	27.6	32.5	26.7	70	74	65	65	76	70	------
13	57.07	57.10	57.19	55.95	57.11	57.59	27.3	27.5	30.3	29.9	27.5	26.7	31.7	26.2	71	70	67	69	77	77	------
14	56.80	57.43	57.63	56.98	57.73	59.22	26.9	28.1	31.9	32.1	28.2	25.8	33.5	24.2	72	66	54	61	74	82	------
15	58.89	59.38	59.35	57.79	58.84	60.39	24.3	24.7	32.2	32.3	27.9	25.1	33.8	23.5	90	91	57	54	70	86	------
16	59.17	59.32	59.73	57.74	58.73	59.97	23.9	25.1	30.8	31.1	28.4	25.4	32.2	22.6	92	86	71	64	79	84	16
17	58.29	59.52	59.34	57.16	58.23	57.98	25.8	24.8	28.2	28.7	26.2	26.6	29.6	24.2	84	92	77	75	87	84	23.9
18	56.90	57.78	57.57	56.74	57.10	57.08	23.3	24.1	27	22.6	22.7	25	27.7	22.1	92	88	81	93	94	85	42.4
19	55.79	57.83	57.82	56.16	56.95	57.75	26.1	23.1	27.1	28.3	26.7	26.5	29.9	22.5	86	93	81	71	73	80	8.4
20	56.92	57.36	57.99	56.40	57.13	58.82	26.6	26.5	30.8	27.5	26	24.6	31.3	24.2	77	81	67	77	89	93	10.7
21	57.24	57.42	57.67	55.95	56.82	58.38	26.4	26.5	30	29.1	27.5	24	31.1	22.4	81	81	71	73	78	89	7.4
22	56.97	56.71	57.02	55.88	56.02	57.32	24.4	25.4	28.6	27.1	25.3	25.1	29.4	23.6	94	91	76	87	88	86	7.1
23	56.48	56.15	56.47	54.92	55.22	56.43	24.1	24	26.2	27.6	26.6	26.3	27.9	22.6	91	88	83	76	79	81	17.5
24	54.87	55.08	55.43	53.70	54.28	56.40	26.3	25.7	26.3	28.3	27.1	27.1	29.4	25.1	79	78	81	72	75	74	------
25	56.19	55.63	56.04	54.14	55.05	56.30	26.5	26.4	31.5	31.6	28.5	27.8	32.7	23.7	76	80	57	56	70	71	------
26	55.20	55.26	56.35	55.09	55.71	57.47	28.1	28.3	32.8	31.2	28.1	27.8	33.5	26.3	68	68	52	61	77	73	------
27	57.15	57.55	57.19	56.25	57.39	59.35	26.9	26.6	30.7	31.4	28.6	25.2	33.7	23.7	80	85	64	65	73	86	------
28	58.49	58.12	58.66	57.43	57.88	59.14	23.9	25.8	31.8	31.9	28.2	25.4	33.5	23.4	93	88	69	61	73	86	------
29	57.97	58.20	57.99	56.32	57.20	58.60	27.1	28	32.5	32	28.7	27.2	33.5	26.4	78	79	60	58	78	75	------
30	57.02	57.09	57.31	56.12	57.40	58.82	26.9	27.4	32.1	31.9	28.6	28	32.7	25.8	77	73	58	59	70	76	------
31	57.16	58.05	58.18	56.56	58.38	59.21	26.4	26.6	33.3	32.3	28.4	27.3	33.9	26.1	86	85	55	59	71	84	------
Mean	56.86	57.21	57.44	55.96	56.73	58.04	26.1	26.2	30.5	30.4	27.7	26.5	31.9	24.6	82.8	82.8	67.1	67	77	81.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	142.2

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	WSW	1	SSW	1	WSW	2	W	2	S	1	Calm	----	8	Ci. NE	Cu.-N.	7	Ci.-S. NE	Cu.-N.
2	WSW	1	WSW	1	SSW	1	WNW	1	SbyW	1	SW	1	8	Ci.-S.	Cu.-N.	7	----------	Cu.-N. sw
3	WSW	1	Calm	----	SSW	1	SW	2	SSW	1	S	1	5	Ci. E	Cu.-N. SW	4	Ci.-S. SE	Cu. SW
4	SSW	2	WbyS	1	WSW	1	WSW	1	W	1	S	1	7	Ci.-S. NE	Cu.-N. SW	8	Ci.-S. NE	Cu.-N.
5	SSW	1	Calm	----	SW	1	WNW	1	WbyS	1	WSW	1	4	Ci.-S. NE	Cu.-N. SW	8	Ci.-S. NE	Cu.-N. sw
6	SSW	1	Calm	----	WSW	1	WNW	1	WSW	1	SW	1	10	----------	Cu.-N.	4	Ci.-S. NE	Cu.-N. sw
7	SW	2	SW	2	WSW	4	SW	2	SW	1	SSW	1	9	Ci.-S. NE	Cu.-N. SW	7	A.-Cu.	Cu.-N. sw
8	SW	1	WSW	2	WSW	2	SSW	3	WSW	1	SW	2	9	A.-Cu. NE	Cu.-N.	9	A.-Cu. NE	Cu.-N. sw
9	SW	3	SW	2	SW	4	SW	4	SSW	4	SSW	5	9	Ci.-S. E	Cu.-N. SW	7	Ci. E	Cu.-N. sw
10	SW	4	SW	2	SSW	3	SW	3	SW	3	SW	3	6	Ci.-Cu.	Cu. SW	9	Ci. E	Cu.-N.
11	SW	3	S	2	SW	2	WSW	3	SW	4	SW	3	9	A.-Cu. W	Cu.-N.	8	Ci. E	Cu.-N. sw
12	SbyW	2	SW	2	SW	3	SW	2	W	2	SW	3	9	Ci.-S. E	Cu.-N. SW	4	Ci. E	Cu. SW
13	SW	4	SW	3	WSW	4	SW	4	SW	2	WbyS	1	10	----------	Cu.-N. SW	10	Ci. E	Cu. SW
14	SSW	2	SSW	1	SW	3	SbyW	2	SW	1	S	1	7	Ci.-S. E	S.-Cu.	4	Ci.-S. E	Fr.-cu. sw
15	S	1	SbyW	1	W	2	SW	1	SSW	1	SSW	1	4	Ci. E	Cu.	8	Ci. E	Cu. SW
16	S	1	Calm	----	WNW	2	WbyS	2	WbyS	1	SW	1	6	Ci.	Cu.-N. SW	6	Ci.-S.	Cu. SW
17	Calm	----	S	1	SW	1	SSW	1	SSW	1	SSW	1	10	----------	Cu.-N. SW	10	----------	Cu.-N. sw
18	SW	1	Calm	----	WSW	1	WSW	1	SW	1	SW	1	10	----------	Fr.-N. SW	10	----------	N.
19	WSW	3	SbyE	1	WSW	2	SW	2	SW	1	SW	2	10	----------	N.	10	A.-Cu.	Cu.-N.
20	S	1	S	1	SW	2	WSW	3	WbyN	2	SW	1	6	A.-Cu. W	Cu.-N. SW	9	A.-Cu. W	Cu.-N. sw
21	SW	3	SW	3	WbyS	3	WbyS	2	SSW	1	WSW	2	10	A.-Cu. W	Cu.-N. SW	10	----------	Cu.-N. sw
22	SW	2	SW	2	WbyS	3	WSW	1	SW	1	WSW	3	10	A.-Cu. W	Cu.-N. SW	10	----------	Cu.-N.
23	SW	3	SW	3	SW	3	SW	3	SW	4	SW	4	10	----------	Fr.-N. SW	10	----------	Fr.-N. SW
24	SW	5	SW	5	SW	4	SW	5	SW	5	SW	5	10	A.-Cu. W	Fr.-N. SW	10	Ci.-S.	Cu.-N. sw
25	SW	4	SW	2	SW	4	SW	5	SW	2	SW	2	6	Ci.-S. NE	Cu.-N. SW	8	Ci.-S. NE	Cu. SW
26	SW	4	SW	1	SW	3	WSW	3	WbyS	2	SW	2	4	Ci.-S. NE	S.-Cu. SW	5	Ci.-S. NE	Cu. SW
27	SW	2	SW	1	SbyW	2	SW	2	SbyW	1	Calm	----	4	Ci. NE	Cu.-N.	3	Ci. NE	Cu. SW
28	Calm	----	Calm	----	NE	1	SW	2	SW	1	Calm	----	2	Ci.	Cu.-N.	2	Ci.	Cu.-N.
29	SW	2	WSW	1	WSW	2	SSW	2	SW	1	SW	1	1	----------	Cu.-N.	2	----------	Cu.
30	S	1	SbyW	1	SSW	2	SSW	2	SW	1	SbyW	1	5	Ci. NE	Cu.-N.	4	Ci. NE	Cu.-N.
31	S	1	SSW	1	SSW	1	SW	2	S	1	S	1	9	A.-Cu. SE	S.-Cu.	5	Ci.-S. NE	Cu.-N.
Mean	-------	2	-------	1.4	-------	2.3	-------	2.3	-------	1.6	-------	1.7	7.3	----------	----------	7	----------	----------

NOTE.—This station was reduced to third-class on September 1, 1911. The observations for September to December will be found further on among observations of third-class and rain stations.

CEBU.

[ϕ=10° 18′ N; λ=123° 54′ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.84 mm.]

JANUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.31	60.27	61.04	59.26	59.94	60.33	24.2	23.3	28	28.5	26.3	23.7	29	22.8	87	87	65	67	78	87	------
2	59.65	60.06	60.31	58.58	59.65	60.40	23.6	22.6	28.1	29	26.5	24.6	29.3	22.2	85	90	60	60	73	82	------
3	60.05	60.61	61.06	59.35	60.16	60.71	23.8	22.5	27.9	28.4	26.5	24	29.7	22.1	83	81	60	61	71	87	------
4	60.02	60.92	61.19	59.26	60.10	60.90	24.4	23.7	28.4	28.6	26.5	25.5	29	23.4	87	85	70	68	76	78	------
5	60.04	61.01	61.59	58.99	60.23	60.97	23.1	22.4	28.1	28.8	27.5	24.3	30.1	22	85	90	72	68	73	84	------
6	60.04	60.24	60.37	57.90	59.48	60.84	22.7	22	30	29.4	27.8	25	30.5	21.8	91	96	60	74	75	91	28.2
7	59.97	60.42	60.69	58.31	59.57	60.80	23.9	24.2	28.5	29.5	25.7	24.7	29.8	23.2	92	91	70	63	86	92	4.3
8	59.60	59.58	60.21	58.36	59.11	59.54	24.4	23.8	28.2	28	27	25.9	28.8	23.6	91	89	69	74	76	81	------
9	58.55	58.77	59.44	57.24	57.87	58.64	24.6	24.5	29	30.4	26.2	24.4	30.8	23.9	90	86	68	61	79	85	------
10	57.08	57.60	58.35	56.43	56.77	58.02	24.2	23.8	28.2	29.2	27.1	23.7	29.6	22.7	89	89	71	63	75	85	------
11	57.21	57.73	58.63	56.43	56.71	57.79	22.5	22.5	28	28.7	27	23.5	29	22	90	88	68	61	69	80	------
12	57.45	57.68	58.51	57.16	57.47	58.99	23.5	22	29	28.7	27.5	24.8	29.7	21.6	89	88	64	71	77	82	------
13	58.16	58.46	59.84	58.09	59.04	60.22	22.9	22.4	29	29	26.4	25	29.5	21.9	87	88	69	70	83	85	------
14	59.55	59.86	60.41	57.99	58.35	59.64	23.8	23.7	28.4	29.2	27.8	24.5	29.6	23.1	86	85	71	66	70	82	7.6
15	58.88	59.18	59.71	57.38	57.41	58.06	23.8	22	29.4	29.5	27.6	24.2	30.7	21.5	86	86	64	61	79	83	------
16	57.48	57.98	59.10	57.15	58.14	59.29	23	22.5	29	29.5	26.8	25	30.5	22	85	87	73	64	74	79	------
17	58.35	59.36	59.88	57.35	58.54	59.57	24.5	23	29	29.1	26.8	25.2	29.5	22.9	81	84	64	67	78	79	.8
18	58.68	59.92	59.77	57.90	59.01	59.80	24.5	23.9	28.8	29	27.8	24.5	29.6	23.1	86	87	71	69	75	82	------
19	58.58	59.21	60.15	57.67	58.40	59.34	23	22.4	28.8	29.8	27.6	26.1	30	22.2	84	88	69	63	76	80	27.2
20	58.77	59.11	60.44	58.55	59.26	60.40	25.2	23.2	28.9	29	26.5	24.5	29.6	23	85	91	68	66	80	86	------
21	59.18	59.47	59.89	57.62	58.41	60.35	24.1	23.8	29.3	30	28	26.1	30.4	23.4	88	85	65	59	74	80	------
22	59.13	59.27	60.17	57.58	57.85	58.94	24.6	24	28.2	29	28.3	24.5	29.3	23.8	87	87	66	64	65	82	------
23	58.10	57.91	58.77	56.19	56.99	58.06	23.8	23.5	28.1	29	28	24.4	29.8	21.9	85	81	67	61	71	78	------
24	56.72	56.88	57.84	55.60	56.35	57.94	24	23.1	28.3	29.2	27.4	23.7	29.6	22.5	88	87	66	57	62	77	------
25	57.52	58.05	58.72	56.43	56.99	58.42	24.7	24.6	27.5	28.9	27.5	25.3	29.3	23	84	82	72	65	73	80	------
26	57.42	57.50	58.20	56.09	56.55	57.81	24.7	24.2	28.6	29.5	27.7	24.5	30	23.7	83	82	68	63	71	82	------
27	56.89	56.93	57.91	55.39	56.24	57.11	25.4	24.1	30.1	29.3	28	26	30.6	23.9	82	86	64	69	72	81	------
28	56.34	56.47	57.78	55.59	56.19	57.69	24	24	28.8	29.9	28.5	25.3	30.5	23.6	85	87	72	62	67	81	------
29	57.09	57.27	58.51	56.09	56.35	57.55	24.9	24.5	28.5	30	27.5	25.2	30.4	23.8	85	86	66	59	73	82	------
30	57.62	57.45	58.48	56.29	56.85	58.26	24.3	22.8	28.1	30	27.9	25.4	30.3	22.2	87	84	67	54	67	71	------
31	57.28	57.78	58.84	56.68	57.15	57.83	24.9	24.2	28	29.9	28.5	26	30	23.7	83	88	72	64	66	78	------
Mean	58.41	58.80	59.54	57.38	58.10	59.17	24	23.3	28.6	29.2	27.3	24.8	29.8	22.8	86.3	86.8	67.5	64.3	73.7	82	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	68.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	Calm	NE	ENE	NE	Calm	25.1	48.8	82.4	26.8	183.1	7	Ci.-S.	Cu. ENE	6	Ci.-S.	Cu. NE
2	Calm	Calm	ENE	ENE	N	Calm	30.3	77.4	94.5	29.8	232	3	Ci.	Cu. ENE	4	Ci.	Cu. ENE
3	Calm	Calm	NE	NE	Calm	Calm	29	39	83.6	17.1	168.7	4	Ci.	Cu. ENE	7	Ci.-S.	Cu. ENE
4	Calm	NE	ENE	ENE	NE	NE	21.7	51.5	81.3	31.3	185.8	4	Ci.-S.	Cu. NE	6	Ci.-S.	Cu. NE
5	Calm	Calm	E	E	NE	Calm	19.9	57.5	102.2	17.7	197.3	3	Ci.	Cu. ENE	4	Ci.-S.	Cu. ENE
6	Calm	Calm	NE	ENE	NE	Calm	19	48.3	109.6	28.9	205.8	4	A.-Cu.	Cu. NE	7	Ci.-S.	Cu.-N. NE
7	N	N	NE	ENE	NNE	NE	28.6	61.2	88.3	45.1	223.2	5	Ci.	Cu. NE	8	Ci.-S.	Cu.-N.ENE
8	NE	NE	ENE	ENE	Calm	NE	63.1	97.4	70.3	33.9	264.7	8	Ci.-S.	Cu.-N. NE	6	Ci.-S.	Cu. NE
9	NE	N	ENE	ENE	Calm	Calm	33.2	55.7	70.3	19.2	178.4	4	Ci.	Cu. NE	5	Ci.-S.	Cu. ENE
10	N	N	ENE	E	ENE	Calm	29.9	57.6	86.1	27.6	201.2	5	Ci.-S.	Cu. ENE	4	Ci.	Cu. ENE
11	WNW	Calm	E	E	Calm	Calm	31.1	58.4	80.8	21.7	192	2	Ci.	Cu. ENE	2	Ci.	Cu. ENE
12	N	Calm	SE	E	NE	Calm	22.1	36.4	105.1	21.5	185.1	2	Ci.	Cu. ENE	3	Ci.	Cu. ENE
13	Calm	Calm	E	E	N	Calm	13.4	62.2	112.9	18.5	207	3	Ci.	Cu. ENE	5	Ci.-S.	Cu.-N. NE
14	N	Calm	ENE	E	NE	NE	30.5	54.4	87	28	199.9	3	Ci.	S.-Cu. ENE	5	Ci.	Cu. ENE
15	NE	Calm	ESE	E	NE	Calm	23.8	35.6	60.9	30.1	150.4	3	Ci.	Cu. ENE	3	Ci.	Cu. ENE
16	Calm	Calm	E	N	Calm	N	23	63.6	87	26.9	200.5	3	Ci.	Cu. ENE	5	Ci.	Cu.-N. N
17	N	Calm	E	E	NE	Calm	32.5	74.5	104.3	29.1	240.4	2	Ci.	Cu. NE	3	Ci.	Cu. NE
18	Calm	NE	E	ENE	Calm	Calm	26	71.5	56.3	19.9	173.7	8	Ci.-S.	Cu.-N. NE	7	Ci.-S.	Cu.-N. NE
19	Calm	Calm	ENE	ENE	ENE	NE	17.3	75.8	87.7	31.4	212.2	2	Ci.	Cu. NE	3	Ci.	Cu. NE
20	NNE	NE	NE	ENE	NE	NE	35.3	68	79.1	34.1	216.5	4	Ci.	Cu. NE	5	Ci.-S.	Cu. NE
21	NE	Calm	NE	ENE	NE	NE	32.5	76.9	91.4	39.6	240.4	3	Ci.	S.-Cu. NE	5	Ci.-S.	S.-Cu. NE
22	N	N	E	E	ENE	Calm	34.5	70.8	85.6	34.6	225.5	3	Ci.	Cu. NE	3	Ci.	Cu. NE
23	N	Calm	E	ENE	ENE	Calm	28.9	68.6	90.1	26.6	214.2	3	Ci.	Cu. NE	5	Ci.	Cu. NE
24	NNE	N	E	ENE	NE	ENE	33.2	68.2	74	18.5	193.9	2	Ci.	Cu. NE	3	Ci.	Cu. NE
25	NE	Calm	NE	ENE	NE	NE	35.7	58.4	83.7	34.8	212.6	7	A.-Cu.	S.-Cu. NE	3	Ci.	Cu. NE
26	N	N	ENE	E	Calm	Calm	34.6	76	100.8	26.6	238	3	Ci.	Cu. NE	3	Ci.	Cu. ENE
27	Calm	Calm	E	E	ENE	N	24.8	25.3	104	29.8	183.9	3	Ci.-S.	Cu. ENE	4	Ci.-S.	Cu. ENE
28	Calm	Calm	SE	E	Calm	Calm	25.3	31.9	93.3	24.1	174.6	3	Ci.	Cu. ENE	3	Ci.	Cu. ENE
29	NE	Calm	E	E	Calm	Calm	31.3	48	93	34.3	206.6	3	Ci.	Cu. ENE	3	Ci.	Cu. ENE
30	N	Calm	E	E	Calm	Calm	36.7	52	----	----	----	3	Ci.	Cu. ENE	4	Ci.	Cu. ENE
31	NE	Calm	E	E	NE	NE	34.1	45.4	99.7	35.9	215.1	5	A.-Cu.	Cu.-N. ENE	3	A.-Cu.	Cu. ENE
Mean	------	------	------	------	------	------	29.2	58.6	88.2	28.1	204.1	3.8	----------	----------	4.4	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	------	----	----------	----------	----	----------	----------

CEBU.

[ϕ=10° 18′ N; λ=123° 54′ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.84 mm.]

FEBRUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	56.98	57.69	58.57	56.54	56.89	58.24	25	23.5	28.1	29.5	27.5	24.7	30	23.1	80	85	61	52	61	70	------
2	57.70	58.48	59.70	57.91	57.95	58.91	24.3	23.1	28	28.5	27.3	21.9	29.2	20.6	79	86	62	59	59	73	------
3	58.54	58.71	60.05	58.08	58.19	59.72	21	23.2	28.9	29.4	27.9	25.3	30	20.5	77	84	62	56	63	72	------
4	59.40	59.41	60.24	58.12	59.13	60.26	22.9	23	30	29	27.9	24.9	30.6	22	77	83	60	64	65	81	------
5	59.36	59.66	60.35	58.12	58.16	59.10	24	24.6	29.1	30.5	28.5	26.3	31	22.9	85	82	62	52	62	73	------
6	58.11	58.25	59.22	58.36	57.69	59.27	25.3	25.5	26.6	23.6	25.2	24	28.4	21	75	74	76	90	80	91	25.7
7	58.33	59.13	60.43	58.68	58.53	59.24	22.8	23	23	23.6	23	23.6	24.5	22	93	93	95	94	91	85	24.4
8	58.10	59.06	60.30	58.13	57.96	59.56	24	24	27.4	28	25.6	23.9	28.5	22.7	85	83	59	59	75	79	------
9	58.74	59.11	59.75	57.73	58.42	60.20	23	22	28.4	28.5	25.5	24.8	30	21.8	84	86	60	64	78	81	------
10	59.48	59.93	60.92	59.04	59.89	61.35	24	23.9	28.5	29	27.5	24.3	29.6	22.4	85	82	70	68	73	82	------
11	60.20	61.09	62.03	59.75	60.58	61.90	24	22	27.5	29.3	27	25	29.8	21.5	85	91	73	57	78	80	------
12	60.72	60.91	61.90	59.88	59.93	61.02	22.9	24.6	28	27.5	24	23.5	29	22.4	85	83	70	73	91	89	20.8
13	60.46	60.28	61.79	59.36	59.51	60.55	22.1	22.5	27	28.7	26	24.1	29.3	21.8	94	93	67	59	65	76	------
14	59.39	59.63	60.04	57.99	58.22	59.03	23	21.9	29	27.5	25	24.4	29.4	20.6	79	83	60	70	92	90	5.1
15	57.95	57.93	58.57	56.55	57.01	58.06	25	24.2	27.9	28.8	26.5	24.4	30	23.9	90	90	77	69	84	87	6.4
16	57	57.43	57.99	56.32	56.83	57.66	24.1	24.5	29	26.8	26.3	24.8	29.6	23.5	86	89	74	89	89	87	4.3
17	57.08	57.25	58.14	56.06	56.85	58.06	23.7	23.7	28.5	28.8	27.5	25.5	29.9	22.8	89	90	70	70	76	86	------
18	57.22	57.59	58.65	56.68	57.66	59.05	24.2	24	28.8	29.8	27	25.1	30.3	23.4	90	87	72	66	80	89	------
19	58.31	58.72	59.82	57.77	58.98	60.61	24.2	24.8	26	24.4	25.2	24.7	26.9	23.6	91	91	84	91	83	89	9.9
20	59.61	60.07	60.30	58.49	59.15	60.79	24.2	23.9	28	28.2	26.8	25	29	23.5	93	92	70	69	74	86	1
21	60.05	60.02	60.06	57.82	58.82	60.14	24	24.3	28.2	27.7	26	25.3	29.2	23.9	90	85	69	68	73	77	.5
22	58.90	58.93	59.45	56.78	58.16	59.81	25.2	24.4	28.2	29.5	26.8	26	30	23.9	78	90	68	61	77	79	2.5
23	58.90	59.37	60.74	58.36	59.11	61.19	24	23	27.5	28.8	27	25	30.4	22.7	91	93	73	72	70	82	2
24	60.42	60.76	61.93	59.59	60.31	61.72	23.5	23	28.4	29	26	22.8	30	22	85	83	58	59	76	81	------
25	60.63	60.84	61.49	58.45	58.05	60.29	22	22.4	28.3	29	27.5	25.7	30.5	21.5	86	89	72	71	72	78	------
26	59.68	59.52	60.53	57.95	58.13	59.76	24.6	23.4	28.3	28	27.9	25	30.1	22.8	82	85	71	77	72	80	.3
27	58.73	59.41	59.99	57.69	58.01	59.66	24	22.5	28.3	28.5	26.5	25.3	30.9	21.6	85	90	70	74	85	88	3.3
28	58.68	59.15	59.91	58.14	58.19	59.79	23.9	23.5	27.8	30.1	27.2	24.2	30.6	22.8	87	90	74	68	78	86	------
Mean	58.88	59.23	60.10	58.01	58.44	59.82	23.7	23.5	28	28.2	26.5	24.6	29.5	22.4	85.2	86.9	69.2	68.6	75.8	82	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	106.2

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	E	E	Calm	NE	23.7	65.2	86.7	41.5	217.1	4	Ci.	Cu. ENE	3	Ci.	Cu. ENE
2	N	N	E	E	Calm	Calm	40.8	80	123.4	22.3	266.5	2	Ci.	Cu. ENE	3	Ci.	Cu. ENE
3	Calm	N	ENE	E	Calm	NE	28	76.4	83.9	26.4	214.7	5	Ci.-S.	S.-Cu. ENE	5	Ci.-S.	Cu. ENE
4	Calm	Calm	NE	E	NE	N	20.7	80	125.3	43.3	269.3	4	Ci.	Cu. ENE	4	Ci.-S.	Cu. ENE
5	NNE	N	NE	ENE	NNE	NE	41.6	93.1	110.5	41.3	286.5	5	Ci.-S.	S.-Cu. ENE	7	A.-Cu.	Cu. ENE
6	ENE	NE	ENE	ENE	N	E	46.9	75.9	77.4	40	240.2	8	----------	S.-Cu. ENE	10	----------	Cu.-N.NE
7	NNE	NE	NE	NE	N	NE	48.9	84.6	84.6	49.9	268	10	----------	N. ENE	10	----------	cu.-N.ENE
8	NE	NE	NE	ENE	Calm	Calm	53.9	89.6	87.9	38.1	269.5	8	A.-Cu.	Cu.-N. ENE	4	Ci.	Cu. ENE
9	N	Calm	ENE	ENE	NE	E	34.3	81.1	107.3	37.6	260.3	4	Ci.	Cu. ENE	7	----------	Cu.-N.NE
10	Calm	NE	E	E	NE	Calm	28.5	84.6	105.7	17.7	236.5	3	Ci.	Cu. NE	3	Ci.	Cu. NE
11	NE	Calm	E	E	Calm	NE	23.5	40.4	62.3	47.5	173.7	4	Ci.	S.-Cu. NE	8	Ci.-S.	Cu. ENE
12	Calm	Calm	E	ENE	Calm	Calm	36	79.5	109.9	23.9	249.3	6	A.-Cu. E	Cu. NE	7	A.-Cu. E	Cu.-N.NE
13	Calm	NE	NE	ENE	N	Calm	36.4	63	100.3	36.4	236.1	6	A.-Cu. E	Cu.-N. NE	3	Ci.	Cu. NE
14	NNE	Calm	E	W	Calm	Calm	27.2	60.9	50.2	11.3	149.6	3	Ci.	Cu. NE	8	A.-Cu. E	Cu.-N.NE
15	Calm	Calm	SW	NNE	NE	Calm	16.1	42.6	76.4	24.9	160	8	----------	Cu.-N. NE	9	----------	Cu.-N. NNW
16	Calm	Calm	SE	E	Calm	Calm	15.3	36.2	32.4	15.1	99	8	----------	Cu.-N. N	9	----------	Cu.-N. N
17	Calm	E	ENE	Calm	Calm	Calm	20.9	64.7	68.9	20.4	174.6	3	Ci.	Cu. NNE	4	Ci.-S.	Cu. NE
18	Calm	Calm	E	E	Calm	Calm	19.1	40.4	34.1	18.8	112.4	7	----------	S.-Cu. NE	6	Ci.-S.	Cu.-N.NE
19	Calm	Calm	Calm	NE	N	NE	16.7	34.9?	29.3	45.6	126.5	7	Ci.-S.	Cu.-N. NE	9	----------	Cu.-N.NE
20	NE	Calm	NE	ENE	N	Calm	23.8	57.1	80.7	30.4	192	9	----------	Cu.-N. NE	7	Ci.-S.	Cu.-N.NE
21	Calm	Calm	NNE	NNE	NE	NE	26.9	72.7	100.8	55.7	256.1	7	Ci.-S.	Cu.-N. NNE	8	----------	Cu.-N. N
22	NE	Calm	NE	N	Calm	N	34	47.2	78.4	37.8	197.4	9	----------	Cu.-N. NE	6	Ci.-S.	cu. NNW
23	Calm	Calm	SW	SE	NNE	NNE	20.7	38	51.2	24.9	134.8	6	Ci.	cu.-N. NNW	6	Ci.	Cu.-N. NNW
24	Calm	NNW	SSW	S	N	N	19.3	38.3	73.7	26.9	158.2	3	Ci.	Cu. N	4	Ci.	Cu. N
25	Calm	Calm	SE	S	Calm	Calm	29	42	53.6	33.3	157.9	3	Ci.	Cu. N	4	Ci.	Cu. N
26	Calm	Calm	Calm	ENE	E	Calm	19.8	33.6	65	21.4	139.8	3	Ci.	Cu. N	5	Ci.	Cu. NW
27	Calm	Calm	SE	E	Calm	E	21.4	44.8	73.7	24.9	164.8	2	Ci.	Cu. NW	4	Ci.	Cu. NNW
28	Calm	NW	E	S	Calm	Calm	23.9	52	60.6	20.6	157.1	3	Ci.	Cu. N	4	Ci.	Cu. N
Mean	------	------	------	------	------	------	28.5	60.7	78.4	31.4	198.9	5.4	----------	----------	6	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	5,567.9	----	----------	----------	----	----------	----------

CEBU.

[ϕ=10° 18′ N; λ=123° 54′ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.84 mm.]

MARCH, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.93	59.91	60.98	58.60	58.46	59.86	23.1	23	29	29.5	28.4	24.6	30.5	22.3	89	87	69	70	61	77	------
2	58.98	60.01	60.40	58.14	58.21	59.49	22.6	22.4	29	29	27.3	24.9	31.5	21.9	79	86	64	69	61	75	------
3	59.26	59.43	60.41	58.33	58.64	60.14	23.3	23.2	28	28.4	27.1	25	29.2	22.4	82	79	68	61	72	73	------
4	59.83	60.06	60.98	59.04	59.31	60.74	22.3	22.4	27.8	27.2	26	25	28.5	21.5	83	86	70	71	76	82	------
5	60.30	60.41	61.56	59.63	59.60	60.61	23.8	22.1	27.6	27.2	26.4	22.7	28.5	20.7	85	85	69	65	63	81	------
6	60.31	60.28	61.41	58.76	58.69	59.51	21.8	21.9	27.3	28.2	27	22.2	29	20.5	82	81	64	50	53	71	------
7	58.67	59.58	60.70	58.40	58.69	59.86	22.7	22.5	28	29	26.4	22.5	29.9	20.7	77	82	49	43	61	82	------
8	58.89	59.61	60.59	58.35	58.54	59.27	21.8	21.5	27.6	28	27.2	22.5	29.3	20.1	85	87	62	51	52	77	------
9	58.62	59.12	60.11	58.35	58.20	59.39	20.4	20.6	29.5	28.5	29	23.8	30.6	19.1	85	83	57	70	61	77	------
10	58.62	58.88	58.83	56.76	57.29	58.97	22	21.5	28.5	30	28.4	25.5	30.5	20.7	82	83	64	60	67	77	------
11	57.85	57.95	59.38	57.25	57.87	59.50	23.8	25	29.4	28.7	28	25.3	30.6	23.2	81	81	65	73	74	83	6.4
12	58.90	59.56	60.85	58.94	59.43	61	24.5	24.7	28.5	30.1	28.5	26.1	30.6	24.1	89	90	74	57	60	77	------
13	60.08	60.57	61.85	58.73	59.10	60.26	25.1	24.1	28.5	29.5	27.8	25.4	30.5	23.3	80	86	67	64	71	77	------
14	59.55	59.63	60.64	58.03	58	59.39	23.5	24.5	29	30	27.5	24.7	30.8	22.9	84	81	58	56	68	81	------
15	58.23	58.96	59.80	57.40	57.54	59.12	24.7	23.8	28.5	29.4	28.4	25.5	30.5	23.4	83	82	64	59	60	82	------
16	58.30	59.05	59.64	57.43	58.11	59.37	24.3	24.5	29	30.3	28	26	31	23.5	83	82	68	56	70	82	------
17	58.52	58.87	60.19	57.29	58.36	59.41	25.8	24.5	29.1	29.6	27.8	25.4	30.8	24	83	81	70	64	74	79	------
18	59.12	59.16	60.43	58	58.89	60.15	24.7	24	28	29.9	27.5	26	30.4	23.3	84	87	76	65	77	85	------
19	59.18	59.47	60.38	58.95	58.44	59.91	23.5	23.5	29.5	26.5	26.9	25	30.2	23	89	87	65	86	77	83	7.6
20	59.53	60.28	61.03	58.74	59.15	60.31	24.4	24	28.8	29	27.8	25.5	29.8	23.6	82	85	64	61	67	78	------
21	59.13	60.01	61.29	59.02	59.28	60.20	24.2	23.6	28.9	29.5	28.2	25.6	30.2	23.2	86	86	65	63	72	82	------
22	59.70	60.16	60.87	59.03	59.59	60.55	25.3	24.5	29.4	30	28.5	26.5	30.6	23.8	84	87	65	59	67	76	------
23	59.75	60.57	61.28	58.72	58.75	60.06	25.2	24	28.5	29.5	28.5	26.4	30.5	23.5	83	89	66	64	70	72	------
24	59.68	60.05	61.05	58.83	58.55	60.39	24.8	23.2	29.3	29.5	28.5	26.1	30.5	22.3	82	88	61	61	67	80	------
25	59.85	60.23	61.15	58.59	59.26	60.77	25.5	23.5	29	30	28.5	25.5	30.6	22.8	86	83	68	62	70	83	3.6
26	60.18	60.86	61.85	59.35	59.71	61.39	24.7	24.5	28.8	30	28	26.3	30.5	23.6	86	89	69	61	72	79	------
27	61.05	61.23	62.24	59.92	60.01	61.54	24.5	23.5	28.9	30.2	28.5	27.3	30.5	22.8	82	83	65	58	63	69	------
28	60.35	60.77	61.75	59.35	60.16	61.51	25.2	24.2	29	30.2	27.5	25.8	30.8	23.6	77	85	68	60	70	76	------
29	59.90	60.28	61.44	59.06	59.82	60.22	25.1	25	29.2	31	26.5	25.5	31.5	24.5	80	85	60	58	79	81	.8
30	59.85	60.02	60.55	58.88	59.11	60.04	25.4	25.7	30.2	30	28.2	26.8	31.5	24.9	79	75	54	52	69	74	------
31	58.84	58.72	60.11	57.13	57.45	58.45	26.4	25.7	26.9	27.5	27.2	26.3	28	25.3	72	73	77	73	75	82	.6
Mean	59.35	59.80	60.77	58.48	58.78	60.08	24	23.6	28.7	29.2	27.7	25.2	30.3	22.7	82.7	84	65.3	62	67.7	78.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	19

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1	Calm	Calm	SE	E	NW	Calm	20.4	38.8	64.9	22.8	146.9	7	----------	S.-Cu. NNE	4	Ci.	Cu. NNE
2	N	NNW	E	E	N	E	28.4	59	82.1	38.3	207.8	3	Ci.	Cu. NNE	4	Ci.	Cu. N
3	NE	Calm	E	E	NE	ENE	32.2	84.9	113.6	37.3	268	3	A.-Cu. ENE	----------	4	Ci.	Cu. NNE
4	Calm	NNE	E	E	NE	NE	27.6	79.3	----	----	------	4	Ci.	Cu. NNE	7	Ci.	Cu.-N. NNE
5	N	Calm	E	E	NE	Calm	38.3	74.7	126	21.8	260.8	2	Ci.	Cu. NNE	5	Ci.	Cu. NNE
6	Calm	Calm	ENE	E	Calm	N	29.1	49.9	85.8	35	199.8	4	Ci.-S.	Cu. NNE	3	Ci.	Cu. NNW
7	E	N	ENE	E	NE	Calm	37.5	80.3	97.3	25.7	240.8	3	Ci.	Cu. NNE	3	Ci.	Cu. NE
8	Calm	Calm	E	E	Calm	Calm	23.8	60.9	97.1	23.4	205.2	3	Ci.	Cu. NNE	3	Ci.	Cu. NNE
9	Calm	Calm	SE	E	Calm	Calm	21.8	35.9	55.2	20.5	133.4	2	Ci.	S.-Cu. ENE	6	Ci.	Cu.-N. N
10	Calm	Calm	SE	SE	Calm	Calm	23.1	41	81.3	15.9	161.3	4	Ci.-S.	Cu. N	6	Ci.-S. E	Cu. N
11	Calm	NE	SSE	SSE	E	Calm	22.5	47	62	30.9	162.4	6	Ci.-S. E	Cu.-N. N	7	A.-Cu.	Cu. NNE
12	Calm	Calm	ENE	ENE	NE	N	20.7	70.1	105.4	49.2	245.4	6	A.-Cu.	Cu. ENE	3	----------	Cu. E
13	NE	N	ENE	ENE	NE	NE	42.1	70.6	107.9	51.9	272.5	3	----------	Cu. ESE	3	----------	Cu. E
14	N	N	E	E	ENE	Calm	36.6	76.8	102	26.6	242	2	Ci.	Cu. E	2	----------	Cu. E
15	ENE	Calm	ENE	ENE	Calm	NE	42.6	75	105.9	33.5	257	3	Ci.	Cu. E	3	Ci.	Cu. E
16	Calm	Calm	SE	E	E	NE	27.1	30.3	103.8	31.3	192.5	2	----------	Cu. E	3	Ci.	Cu. ENE
17	Calm	Calm	E	E	Calm	Calm	20.1	43.1	103.5	22.5	189.2	3	Ci.	Cu. ENE	3	Ci.	Cu. ENE
18	Calm	Calm	E	S	SE	Calm	20.1	47.9	41.2	16.3	125.5	6	Ci.-S.	Cu. ENE	7	Ci.-S.	Cu.-N. N
19	Calm	Calm	E	Calm	Calm	N	24.8	48.2	26.4	22.3	121.7	3	Ci.	Cu. E	8	Ci.-S.	Cu.-N. NE
20	N	Calm	E	E	Calm	Calm	37	86.4	122.2	32.5	278.1	2	Ci.	Cu. ENE	3	Ci.	Cu. NE
21	N	Calm	E	E	ENE	Calm	31.3	79.2	132	37	279.5	2	Ci.	Cu. ENE	3	Ci.	Cu. ENE
22	NNE	N	ENE	E	Calm	N	30.5	91.9	104.1	28	254.5	3	Ci.	Cu. ENE	5	Ci.	Cu. ENE
23	Calm	Calm	E	E	Calm	Calm	23.1	79.3	118.3	23.8	244.5	3	Ci.	Cu. ENE	3	Ci.	Cu. ENE
24	NE	Calm	E	E	NE	NE	----	84.5	101.4	36.4	------	2	Ci.	Cu. ENE	3	Ci.	Cu. ENE
25	NE	Calm	E	E	ENE	N	28.6	82.4	133.6	39.9	284.5	2	Ci.	Cu. ENE	3	Ci.	Cu. ENE
26	N	Calm	ENE	ENE	ENE	NE	33.2	64.4	115.9	44.5	258	4	Ci.	N.-cf. ENE	4	Ci.	Cu. ENE
27	Calm	N	ENE	E	NE	NE	25.4	69.9	111.2	62	268.5	3	Ci.	Cu. ENE	3	Ci.	Cu. ENE
28	N	N	ENE	ENE	NE	NE	38.2	95.7	119.8	62.7	316.4	2	Ci.	Cu. ENE	6	Ci.-S.	Cu. ENE
29	NE	N	ENE	ENE	NE	NE	37	98.7	129.6	32.2	297.5	7	Ci.	Cu.-N. E	5	Ci.	Cu. ENE
30	NE	NE	NE	NE	N	NE	50.4	96.2	91.8	40.7	279.1	7	Ci.-S. E	Cu.-N. NE	8	Ci.-S.	Cu.-N. NE
31	NE	NNE	NE	NNE	NW	Calm	35	52.6	49.5	11.7	148.8	8	Ci.-S.	Cu.-N. NE	9	----------	N. NE
Mean	------	------	------	------	------	------	30.3	67.6	96.4	32.6	225.6	3.7	----------	----------	4.5	----------	----------

CEBU.

[ϕ=10° 18′ N; λ=123° 54′ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.84 mm.]

APRIL, 1911.

Day.	Atmospheric pressure, 700.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	56.95	57.53	57.90	55.63	56.63	57.73	24.9	24.5	30.1	30.5	28.5	25	31.6	23.4	87	87	61	65	70	76	------
2	56.89	57.60	58.30	56.44	57.73	58.87	25.1	24.2	29.3	29.6	26	25.8	30	23.4	82	85	68	64	84	81	------
3	58.03	58.21	59.18	57.56	58.54	59.74	25.4	25.4	29.4	29.5	27.5	26	30	24.8	81	84	72	67	73	81	------
4	58.90	58.87	59.74	57.47	57.69	58.99	25.1	25.2	28.5	30	28.5	25.5	30.7	24.7	86	83	68	60	69	81	------
5	58.38	58.40	58.73	56.86	56.90	58.61	24.8	24	29.6	29	28.5	24.2	31.6	23.6	83	87	64	64	70	88	1.8
6	57.89	58.36	58.90	56.72	57.06	58.91	23.9	25.3	29.4	29.9	27.6	25.9	32.5	23.1	86	85	62	59	73	81	------
7	58.04	57.77	58.12	55.93	56.69	57.71	25	25.2	31	30	28.6	27.3	31.5	24.6	87	83	58	67	73	76	------
8	57.27	57.66	58.60	56.73	56.31	57.81	25.1	25	30	31	29	26.4	31.5	24.4	83	82	64	56	71	78	------
9	57.06	57.17	58.17	55.23	56.34	57.69	25.5	25	29.5	31	28.5	26.7	31.5	24	84	80	68	62	74	83	2.5
10	57.01	56.99	58.02	55.58	56.38	57.61	26.1	25.7	29.5	30.9	28.5	26.5	31	24.9	85	86	66	62	70	76	------
11	56.74	56.86	57.89	55.52	56.26	58.45	26	26.2	30	31.2	29.2	26	31.8	25.5	76	76	64	58	66	89	7.1
12	57.61	57.94	58.89	56.38	56.94	58.49	25.7	25.2	29.9	31	29	27.3	31.7	24.7	88	88	62	59	69	72	------
13	58.15	58.36	59.72	57.19	57.19	58.54	26.5	25.2	29.2	31	29	27	31.6	24.3	77	82	62	57	68	73	------
14	58.26	58.04	58.92	56.53	56.91	58.60	26.6	26.4	29	30.5	28.7	26.5	31.1	26	80	77	71	59	69	73	------
15	57.44	57.48	58.30	56.09	57.08	58.69	25.1	25	30.3	27.8	29.4	26.2	31.5	24.5	80	80	62	71	64	79	.5
16	57.95	58.24	58.89	56.64	57.59	59.10	24.3	24.3	29.5	28.4	28.5	25.8	32.5	23.3	87	87	68	68	70	76	------
17	58.46	58.86	59.15	57.02	57.06	59.23	24.5	24.5	29.9	30.9	29.3	26.3	32	23.7	87	87	64	57	66	76	------
18	57.95	58.80	58.90	57.36	58.08	59.29	24.9	25.5	29.7	28.5	28.5	25.5	31	23.9	83	84	68	67	70	81	------
19	57.60	58.60	59.60	58.39	59.46	60.52	25	25.5	29.9	27	27.4	25.6	31	22.9	83	81	63	80	78	84	13.2
20	59.67	60.02	60.54	58.87	59.14	60.71	25.1	24	29.5	29	28.5	26	30.8	23.8	86	87	66	71	70	82	------
21	60.38	59.97	60.64	58.81	59.28	59.72	25.4	25.2	28.3	29.5	27.5	25.3	30	24.5	85	86	71	64	73	83	14.5
22	58.65	58.77	58.71	56.52	57.44	58.28	24.5	24.9	28.1	28.5	24.6	24	29	22.5	87	90	73	67	79	81	------
23	57.13	56.96	57.83	56.45	57.25	58.89	22.7	23.7	28.5	30	27.8	26	30.4	21.8	87	90	73	67	71	84	1.5
24	58.17	58.66	59.60	57.17	58.26	59.64	26	26.7	29.8	31	28	26.1	31.5	24.6	84	83	65	58	77	82	------
25	59.13	59.63	60.75	57.89	59.40	61.09	24.5	25.2	29.5	31	29	26.4	32.7	23.6	86	80	69	58	68	79	------
26	59.89	60.54	60.87	58.02	58.61	60.30	25.4	25.4	30.1	32.4	28.3	26	33	24.5	85	85	67	56	72	79	------
27	59.15	59.41	59.82	57.14	57.99	59.60	25	24.4	29.5	30.5	29.5	26.4	31.5	23.3	83	85	71	63	68	77	------
28	58.18	58.25	58.72	56.54	57.13	58.94	25	26	30	31	29	26.9	32	24.6	80	80	64	61	71	74	------
29	58.25	58.56	58.77	56.74	57.53	58.70	24.9	25.5	30	30.6	29	26.9	31.5	23.9	81	80	65	64	74	77	------
30	57.93	58.14	59.20	57.74	58.49	59.04	25.3	25.6	30	28.5	27	25.4	31.3	24.6	85	83	68	74	80	89	.8
Mean	58.10	58.36	59.05	56.91	57.58	58.98	25.1	25.1	29.6	30	28.3	26	31.3	24	83.8	83.8	66.2	63.5	71.7	79.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	41.9

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	ENE	SSW	Calm	Calm	16.7	46.7	53.3	22.1	138.8	6	A.-Cu. E	Cu. NE	3	Ci.	Cu. ENE
2	N	Calm	ENE	ENE	NE	NE	29.3	97.1	138.4	34.5	299.3	3	Ci.	Cu. ENE	5	Ci.	Cu.-N.ENE
3	NE	N	ENE	E	NE	NE	36.2	75	91.1	36.1	238.4	7	Ci.	Cu.-N. E	7	Ci.	Cu. E
4	Calm	N	ENE	E	ENE	Calm	26	116.6	95.3	24.1	262	5	Ci.-S.	Cu. ENE	6	Ci.-S.	Cu. ENE
5	NE	Calm	E	ENE	Calm	Calm	20.4	95.8	125.7	41.2	283.1	4	A.-Cu. E	Cu. ENE	5	Ci.-S.	Cu. NE
6	Calm	Calm	ENE	ENE	NE	NE	21.8	81.3	140.4	42.6	286.1	6	A.-Cu.	Cu. NE	7	Ci.-S.	Cu. NE
7	Calm	NE	ENE	E	E	NE	22.8	101.5	167.5	34.8	326.6	7	------	S.-Cu. NE	4	Ci.-S.	Cu. NE
8	Calm	NE	E	E	ENE	NE	18	65.2	106.4	26.9	216.5	3	Ci.	Cu. NE	3	Ci.	Cu. ENE
9	NE	Calm	ENE	ENE	ENE	Calm	25.3	44.6	117.2	52.5	239.6	2	Ci.	Cu. NE	3	Ci.	Cu. ENE
10	Calm	Calm	ENE	E	NE	Calm	-----	65.9	118	28.9	------	4	Ci.	cu.-N. ENE	3	Ci.	Cu. ENE
11		NE	ENE	E	NE	NNE	31.9	55.5	103.5	27.8	218.7	6	Ci.-S.	S.-Cu. ENE	3	Ci.	Cu. ENE
12	NE	Calm	ENE	E	Calm	NE	17.3	53.5	121.1	42.6	234.5	3	Ci.	Cu. ENE	3	Ci.	Cu. ENE
13	Calm	NNE	E	E	Calm	Calm	41.3	82	110.4	29.1	262.8	2	Ci.	Cu. ENE	3	Ci.	Cu. ENE
14	NE	Calm	ENE	ENE	Calm	NE	28.7	68.4	96.6	18.5	212.2	3	Ci.	Cu. ENE	6	Ci.	S.-Cu. ENE
15	NE	Calm	SE	Calm	Calm	Calm	25.1	49.1	50.4	18.8	143.4	3	Ci.	Cu. ENE	7	Ci.-S.	cu.-N.ENE
16	Calm	Calm	SSE	N	WSW	Calm	23.9	41.8	59.9	21.1	146.7	3	Ci.	Cu. ENE	6	Ci.-S.	Cu.-N.NE
17	N	Calm	SSE	E	Calm	Calm	20.9	43.7	61	19.6	145.2	3	Ci.	Cu. ENE	6	Ci.-S.	Cu. ENE
18	Calm	Calm	S	NW	SW	Calm	14.4	49.2	54.9	20.9	139.4	3	Ci.	Cu. ENE	7	Ci.-S.	Cu.-N. N
19	Calm	Calm	S	Calm	Calm	Calm	19.9	36.7	35.3	18.4	110.3	6	Ci.-S.	Cu. ENE	8	A.-Cu.	cu.-N.NNE
20	Calm	NW	S	E	E	Calm	20.1	28.4	97.7	25.9	172.1	6	A.-Cu.	Cu. NE	8	Ci.-S.	Cu.-N.NE
21	Calm	Calm	NE	Calm	NW	Calm	18.5	30.6	45	18.2	112.3	8	Ci.-S.	Cu.-N. NE	9	------	N. NE
22	Calm	Calm	Calm	N	N	Calm	30.8	39.9	59.2	23	152.9	9	------	N.-cf. NE	9	------	Cu.-N.NE
23	Calm	Calm	SW	SW	W	Calm	14.8	66	73.5	24.9	179.2	7	Ci.-S.	cu.-N.WSW	5	Ci.-S.	cu.-N.SSW
24	Calm	S	SW	SW	Calm	Calm	18.7	58.7	82	19.7	179.1	4	Ci.	Cu.-N. S	4	Ci.	Cu. S
25	Calm	Calm	SSW	S	SW	Calm	14.3	-----	81.6	20.4	------	3	Ci.-S.	Cu.	4	Ci.-S.	Cu. S
26	Calm	Calm	S	SW	Calm	Calm	20.1	50.3	69.3	12.7	152.4	2	Ci.	Cu. SW	5	Ci.-S.	Cu. SSW
27	Calm	Calm	S	SW	W	Calm	18.5	59	80.7	13.6	171.8	3	Ci.	Cu. SW	4	Ci.	Cu. SW
28	Calm	Calm	SSW	SSW	SW	Calm	23	76.3	91.6	23.3	214.2	2	Ci.	Cu. SW	6	Ci.-S.	Cu. SW
29	Calm	Calm	S	S	W	Calm	14.9	49.5	55.5	17.9	137.8	3	Ci.	Cu. SW	6	Ci.	Cu. W
30	Calm	Calm	S	NW	Calm	Calm	22.1	33.8	41.2	19.9	117	5	Ci.-S.	Cu. W	8	Ci.-S.	Cu.-N. W
Mean	------	------	------	------	------	------	22.6	60.8	87.5	26	196.2	4.4	------	------	5.4	------	------
Total	------	------	------	------	------	------	------	------	------	------	------	----	------	------	----	------	------

CEBU.

[ϕ=10° 18′ N; λ=123° 54′ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.84 mm.]

MAY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.30	58.76	59.56	57.50	58.16	59.35	24.6	25.3	29	29.2	28	25.5	30.5	24.4	87	89	71	67	77	82	1.3
2	58.23	58.65	58.31	56.95	57.73	58.56	24	25	29	25.5	26.5	24.4	30.5	23.5?	88	88	67	85	84	88	7.6
3	57.48	57.62	58.90	57.01	57.91	59.16	23.7	25.2	26.4	26.5	27.9	25.3	29.8	23	88	87	89	88	78	87	5.8
4	58.52	59.16	59.65	58.05	59.13	60.41	24.5	24.9	28.4	29.5	28	25.6	31	24	89	88	71	70	77	82	------
5	60.05	60.50	60.85	58.50	59.26	61.01	25.8	25.5	29	30.5	28	25.5	31.6	24.5	84	84	71	66	76	78	.8
6	60.08	60.26	60.40	58.30	58.99	59.94	24.1	24.5	30	29.5	28.9	25	31.6	23.8	82	87	65	68	71	83	16.3
7	59.95	60.08	60.36	57.89	58.99	60.37	22	23.5	29	29	27.	25.4	30.5	21.8	91	94	64	68	84	85	1
8	58.74	59.05	59.50	57.03	57.64	59.34	25	25	29.5	31.5	29	26.1	32	24.3	89	88	70	59	71	76	4.8
9	58.59	59.42	60.13	57.17	58.10	59.39	25	25.4	30.5	32	29	26.4	32.6	24.4	88	88	68	57	74	82	4.1
10	58.79	58.97	60.05	57.33	58.15	59.89	25.5	25.7	29.9	31.5	29.1	26.6	32.2	24.5	93	90	69	57	70	78	.8
11	58.33	58.52	59.05	57.13	57.30	58.98	25.3	26.4	30.4	29	29	26.7	32.7	24.6	84	85	60	71	74	79	16.8
12	58.37	58.36	58.59	56.33	57.34	58.33	25.8	25.9	29.5	31	29	27.2	31.4	24.8	91	91	71	62	71	75	------
13	57.54	58.64	59.19	56.99	57.56	58.67	25.8	25.3	28.5	29.2	27.2	25.3	30	24.1	84	88	70	71	83	84	4.8
14	57.50	57.56	58.59	57.55	57.71	59.01	24.8	25.6	30.8	27.8	27	25.8	31.5	24	87	91	64	75	83	83	.3
15	57.83	57.89	58.73	57.19	57.74	58.96	25	25.2	30.2	28.4	28	26	31	24.4	90	88	68	78	81	84	------
16	58.32	58.74	59.65	57.73	57.56	58.77	25.2	25.5	28.9	29	27	24.8	29.8	24	87	89	74	73	81	83	3.6
17	57.55	57.81	58.92	56.57	57.49	58.55	24	24.9	30.4	30.5	28.6	25.8	31.5	23.5	86	84	66	66	73	84	------
18	57.10	57.24	58.45	55.82	56.79	58.54	24.9	26	29	31.4	29	26.5	31.8	23.9	86	84	75	60	68	82	13.8
19	57.60	57.78	58.49	56.29	57.06	58.26	24.8	24.7	29.6	28.6	28	25.7	31	23.8	92	88	69	78	77	86	1.3
20	57.35	57.83	58.30	56.56	57.48	58.85	24.9	26.3	29.5	30.3	29	26.5	31.8	23.6	86	86	73	64	70	86	12.4
21	57.79	58.07	58.23	56.62	56.89	58.36	24.1	24.5	30.2	31.2	28.8	26.5	32	23.3	91	91	73	58	70	82	------
22	57	57.34	57.64	56.12	56.76	58.29	26	25.9	30.8	31.8	29.5	26.5	32.4	25.2	84	85	64	59	72	80	------
23	56.92	57.27	58.12	56.02	56.26	57.87	25.1	25.4	30.4	32	30	26.4	32.8	24.7	87	85	64	57	69	80	------
24	56.66	56.84	57.72	55.71	55.94	57.96	25.9	25.3	31	31.9	29.5	26.7	32.3	24.5	86	85	61	59	70	75	1.6
25	57.35	57.82	58.65	56.48	57.69	58.96	25.7	25.8	27.4	32.4	29	26.5	33	25	78	84	85	57	76	85	.8
26	58.12	58.06	59.03	57.17	57.84	59.38	25.3	25.7	30.5	31.8	30.9	26.8	32.8	24	84	80	65	60	65	81	------
27	58.69	58.64	59.07	56.92	57.05	58.94	25.9	25.5	31	32.3	30.5	26.4	33.3	24	85	86	63	56	60	79	.8
28	58.40	58.46	58.44	56.19	56.63	58.46	25.3	24.5	30.9	32.5	29.5	26.5	33.8	24	88	92	63	56	69	83	------
29	57.58	57.87	58.04	55.69	56.46	57.70	25.4	26	31	31.5	30.5	27	32.6	24.2	85	84	65	57	64	77	------
30	57.49	57.73	57.92	56.32	56.86	58.20	25.9	26	31.5	30.5	30	27.5	32.9	23.2	86	82	66	64	65	79	7.1
31	57.67	57.71	58.18	56.96	57.16	58.69	23.8	25	30	31.9	29.8	27	32.8	23.1	89	88	69	59	66	81	4.3
Mean	58.06	58.34	58.93	56.91	57.54	58.94	24.9	25.3	29.7	30.3	28.7	26.1	31.8	24	86.9	87.1	68.8	65.3	73.2	81.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	110.1

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1	NW	Calm	E	E	Calm	Calm	24.3	29.6	37	18.3	109.2	7	A.-Cu.	Cu.-N. NNW	7	Ci.-S.	Cu.-N. N
2	Calm	Calm	S	NE	Calm	Calm	18.7	42	33.2	16.4	110.3	6	A.-Cu.	Cu. N	8	------	Cu.-N. NNE
3	Calm	Calm	S	S	Calm	Calm	17.6	27.6	37.1	19.4	101.7	3	Ci.	Cu. NNE	8	Ci.-S.	Cu.-N. ENE
4	Calm	Calm	E	SSE	Calm	Calm	24.1	23.6	32.7	25.1	105.5	6	Ci.-S.	N.-cf. ESE	7	Ci.-S.	Cu.-N. ESE
5	WSW	Calm	E	E	Calm	Calm	23.4	36.9	54.6	21.8	136.7	6	Ci.-S.	Cu. ESE	6	Ci.-S.	Cu.-N. ESE
6	Calm	Calm	S	SE	E	N	21.5	45.8	52	29.5	148.8	4	Ci.-S.	Cu. E	6	Ci.-S.	Cu. E
7	NW	N	SE	NE	Calm	Calm	35.9	38.6	31.9	21.5	127.9	9	------	N. ENE	6	Ci.-S.	Cu.-N. ESE
8	NE	Calm	S	SE	Calm	N	27.6	------	59	31.6	------	3	Ci.	Cu. ENE	3	Ci.	Cu. ENE
9	ENE	Calm	SE	E	Calm	N	31.6	31.6	55.4	33.2	151.8	4	Ci.	Cu. ENE	4	Ci.	Cu.
10	W	Calm	SSE	E	Calm	Calm	23.1	38.4	79.2	29.1	169.8	3	Ci.	Cu. ENE	7	Ci.-S.	Cu. ENE
11	Calm	S	S	Calm	Calm	Calm	22	43.7	47	29.8	142.5	8	------	Cu.-N. E	7	Ci.-S.	Cu.-N. ENE
12	NE	N	E	E	ENE	N	28.8	59.9	109.5	29.5	227.7	7	Ci.-S.	Cu.-N. ENE	3	Ci.	Cu. ENE
13	Calm	Calm	E	E	Calm	Calm	19.3	35.9	84	29.8	169	6	Ci.-S.	Cu.-N. ENE	8	Ci.-S.	Cu.-N. ENE
14	NE	Calm	E	SSW	Calm	Calm	17.3	51.4	26	19.3	114	7	Ci.-S.	Cu.-N. ENE	7	Ci.-S.	Cu.-N. ESE
15	Calm	Calm	ESE	E	Calm	Calm	19.7	45.3	67.5	21.2	153.7	5	Ci.	Cu. E	7	Ci.-S.	Cu.-N. E
16	Calm	Calm	E	ENE	NE	Calm	25.6	20.9	91.4	23.9	161.8	7	Ci.-S.	Cu. ENE	8	Ci.-S.	Cu.-N. ENE
17	N	Calm	E	E	ENE	Calm	30.1	45.3	103	30.9	209.3	3	Ci.	Cu. ENE	4	Ci.	Cu. E
18	Calm	Calm	E	E	Calm	SE	26.2	35.4	79.6	25.6	166.8	3	Ci.	Cu. ENE	4	Ci.	Cu. ENE
19	W	Calm	NE	SSE	Calm	S	28.7	40.4	54.1	26.9	150.1	4	Ci.	Cu. ENE	6	Ci.	Cu.-N. E
20	S	N	ESE	E	Calm	NE	28.2	43.5	56	30.5	158.2	6	Ci.-S.	Cu.-N. ENE	8	Ci.-S.	Cu.-N. ENE
21	Calm	Calm	ENE	NE	NE	Calm	19.6	49.2	78.3	24.9	172	5	A.-Cu. E	Cu.	3	Ci.	Cu. ENE
22	NE	Calm	ENE	E	Calm	Calm	25.1	62.7	86	27.4	201.2	3	Ci.	Cu. ENE	3	Ci.	Cu. ENE
23	NE	Calm	E	E	ENE	NNE	31.2	64.4	92.7	24.3	212.7	5	Ci.	Cu. ENE	3	Ci.	Cu. ENE
24	Calm	Calm	E	ENE	ENE	Calm	22.8	46.3	96.3	24.1	189.5	2	Ci.	Cu. ENE	6	Ci.	Cu. E
25	NE	Calm	Calm	E	Calm	Calm	25.9	33.2	79.4	18.3	156.8	5	Ci.	cu.-N. ENE	6	Ci.-S.	Cu.-N. ENE
26	Calm	Calm	E	E	SW	Calm	25.4	32.7	68.4	20.9	147.4	4	Ci.	Cu. NE	4	Ci.	Cu. ENE
27	Calm	Calm	NE	E	Calm	Calm	28.9	------	------	30.3	------	4	Ci.	Cu. ENE	6	Ci.-S.	Cu. ENE
28	Calm	NW	SE	S	Calm	Calm	34.8	31.1	47.3	28.2	141.4	5	Ci.-S.	Cu. ENE	3	Ci.	Cu. ENE
29	NW	Calm	SSW	SW	Calm	Calm	26.8	42.6	36.2	18	123.6	4	Ci.	Cu. NNE	5	Ci.	Cu. WSW
30	Calm	Calm	SSE	Calm	Calm	Calm	23.8	45.6	27.1	36.2	132.7	3	Ci.	Cu. ENE	7	Ci.-S.	Cu. ENE
31	Calm	Calm	SW	ENE	Calm	E	20.4	24.7	67.1	30.3	142.5	3	Ci.	Cu. ENE	5	Ci.-S.	Cu. ENE
Mean	------	------	------	------	------	------	25.1	40.3	62.3	25.7	152.9	4.8	------	------	5.6	------	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------

CEBU.

[ϕ=10° 18′ N; λ=123° 54′ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.84 mm.]

JUNE, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.77	58.86	59.46	57.48	58.24	59.39	24.8	25.2	29.4	30	28.6	27.1	31.2	22.8	87	88	74	64	72	81	------
2	59.04	59.84	60.14	58.76	58.76	59.49	26.3	25.6	28.5	29	27.5	25.5	30.1	23	83	90	78	72	81	84	11.6
3	58.90	59.28	60.03	58.43	59.36	60.82	25.1	26.5	28.5	29	26.2	25.4	31	24.1	86	84	74	74	82	87	8.9
4	59.96	59.51	59.80	58.02	58.85	59.89	24.7	24.5	29.4	31.2	29	27	32	23.3	91	92	71	58	69	78	.6
5	58.83	58.90	59.09	57.01	57.64	59.24	25.3	25.5	30.2	31.2	29	26.5	32	24	89	88	67	58	74	82	------
6	57.89	58.11	58.49	56.42	57.08	58.41	25.5	26	31.1	32.2	28.5	26.1	32.8	24.5	84	85	64	53	72	79	------
7	57.37	58.34	58.22	56.37	57.40	58.28	25.9	25.5	30.5	32.4	30	27	33	24.7	85	88	65	50.	66	78	3
8	57.39	57.96	58.55	56.73	57.49	58.74	26	25.5	30.2	31.6	28.6	26.8	32.3	24	86	91	66	65	77	78	.8
9	57.63	58.42	59.24	57.18	57.94	59.69	26	25.6	30.5	32.9	29.5	27.3	33.5	24.8	84	87	66	56	73	75	------
10	58.70	59.41	59.80	57.74	58.14	59.69	26.5	25.6	30.6	32.8	29.5	26.9	33.6	25	80	85	68	57	70	83	4.3
11	58.50	58.75	59.24	57.32	57.73	58.69	25.3	25	30.5	32	28.6	26.5	32.6	24.1	89	88	65	60	73	80	3.9
12	57.84	58.24	58.50	57.03	58.04	59.41	25.6	25.5	30.2	30	26.5	26	31.2	24.1	85	90	64	65	79	84	38.9
13	58.09	58.48	58.98	57.41	58.56	60.81	24.7	25	29	30.6	26.5	26.4	31.2	24	92	92	69	64	80	81	2.1
14	59.46	59.52	60.14	58.64	58.88	60.15	25	25.4	29.9	30.5	29	27.2	31.6	24.4	83	80	61	66	75	78	2
15	59.67	59.70	60.23	58.34	58.35	59.36	26.6	25.4	30.6	31	29.5	27.8	31.9	24.5	83	84	66	64	73	78	------
16	58.10	58.20	58.96	57.59	57.53	58.01	27.4	27.5	27.5	28.5	27	26	31	23.6	78	75	80	66	73	75	7.9
17	56.59	57.01	57.06	55.70	57.19	58.31	26	26	30	30.7	26.3	25	31.5	24.5	76	76	59	64	77	87	2.5
18	56.73	56.90	57.29	55.98	57.48	58.90	25.1	25	29	28.9	24.9	24.6	29.5	24	81	78	73	68	92	87	6.8
19	58.12	58.09	58.78	57.33	57.55	58.70	24.7	24.5	28.8	30.5	29	25.6	31.1	23.7	86	87	73	59	68	83	------
20	58	58.77	59.65	56.94	57.74	59.75	25.3	26	29.5	30.9	29	26	32.1	24.3	85	87	68	59	64	80	------
21	58.67	59.88	60.36	58.02	59.08	60.44	25	25.4	29.9	31.7	28.6	26.5	33.2	24	85	87	72	60	73	79	------
22	59.67	60.49	61.05	59.32	59.84	61.31	25.4	25.2	30	31.5	27.8	25.5	33	24.1	83	88	71	63	75	86	------
23	60.74	60.76	60.99	59.27	59.55	60.77	25.6	25	30.5	25	26.5	25.1	31.5	22.5	81	88	73	88	85	88	9.7
24	59.50	59.38	59.91	57.63	58.13	58.90	24.6	24.3	29.2	30.4	28.4	25.3	32	23.9	89	89	66	66	75	85	------
25	58.58	57.64	58.56	56.33	57.04	58.83	24.5	24.2	29	30.9	24.5	24.9	31.4	23.3	87	89	72	66	91	87	13.4
26	57.95	58.47	58.28	56.95	57.49	58.51	24.3	24.2	28.4	29.5	28	25.5	30.3	23.5	91	90	66	66	73	84	------
27	57.49	57.96	58.35	57.55	57.53	58.74	25.4	25.3?	29.1	26.4	26.3	25.2	30.9	23.9	85	86?	67	87	86	82	7.9
28	58.04	58.58	58.50	57.50	57.06	58.07	24.2	24	29.5	26	26	24	31.8	22.8	88	90	71	90	88	91	9.7
29	57.43	57.69	57.91	56.40	55.81	56.34	23.4	23.6	28.7	28.4	27.5	24.9	30.6	22.6	91	89	74	77	81	89	------
30	55.59	55.59	56.03	54.82	55.43	55.98	25.2	26	27.4	27.3	24.5	24.4	27.5	23.5	85	78	76	75	91	85	.6
Mean	58.31	58.62	59.05	57.34	57.90	59.12	25.3	25.3	29.5	30.1	27.7	25.9	31.6	23.8	85.3	86.3	69.3	66	76.9	82.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	134.5

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1	N	Calm	ENE	ENE	Calm	Calm	24.3	44.6	81.8	24.3	175	5	Ci.	Cu. E	6	Ci.-S.	Cu. ENE
2	Calm	Calm	Calm	SE	Calm	Calm	20.9	38.8	33	23.1	115.8	8	----------	Cu.-N. ENE	9	----------	Cu.-N. NE
3	Calm	Calm	SW	S	Calm	Calm	22.7	33.7	29.1	20.7	106.2	3	Ci.-Cu.	Cu. NE	8	Ci.-S.	Cu.-N.ENE
4	Calm	Calm	E	E	E	Calm	19.6	50.8	83.6	24.9	178.9	4	Ci.-S.	Cu. ENE	4	Ci.	Cu. ENE
5	NW	Calm	ENE	E	Calm	NE	28	60.9	76.9	25.7	191.5	4	Ci.	Cu. ENE	6	Ci.	Cu. ENE
6	N	Calm	ENE	E	NE	N	30.3	52.5	81.6	28	192.4	4	Ci.-S.	Cu. ENE	3	Ci.	Cu. ENE
7	Calm	Calm	ENE	ENE	ENE	Calm	20.9	39.4	58.4	25.6	144.3	3	Ci.	Cu. ENE	3	Ci.	Cu. E
8	Calm	Calm	Calm	S	Calm	Calm	26.8	22.6	43.3	19.9	112.6	8	A.-Cu.	Cu.-N. E	6	Ci.-S.	Cu. E
9	Calm	Calm	SSE	SE	Calm	Calm	19.9	44	46.2	27.7	137.8	3	Ci.	Cu. ENE	4	Ci,-S.	Cu. E
10	Calm	Calm	SE	S	Calm	E	21.8	32.4	50.8	22	127	3	Ci.	Cu. ENE	6	Ci.-S.	Cu. ENE
11	Calm	Calm	E	SSW	E	Calm	22.5	51.7	70.6	17.6	162.4	3	Ci.	Cu. ENE	6	Ci.	Cu. ENE
12	N	Calm	SW	SSW	Calm	Calm	25.7	31.2	46.3	16.6	119.8	8	----------	Cu.-N. ENE	7	Ci-S.	cu.-N.ENE
13	W	Calm	S	SSW	Calm	W	28.7	36.4	69	38.6	172.7	6	Ci.	Cu. SSW	4	Ci.	Cu. SSW
14	Calm	Calm	SSW	SSW	Calm	Calm	9.5	51.7	70.1	10.3	141.6	7	A.-Cu. ENE	Cu. SW	4	A.-Cu.	Cu. SSW
15	Calm	Calm	SSW	SW	WSW	W	16.6	72.7	87.2	37.1	213.6	2	Ci.	Cu. SW	4	Ci.-S.	Cu. SW
16	WSW	WSW	WSW	SW	SW	W	33.4	86.9	97.4	49.1	266.8	4	Ci.	Cu. SW	8	Ci.-S.	Cu.-N. SW
17	SW	WSW	SW	SW	SW	SW	35.1	61.7	97.9	46.6	241.3	8	A.-Cu. W	Cu. SW	7	Ci.	Cu. W
18	W	W	SSW	SSW	W	Calm	34.8	70	64.2	35.1	204.1	9	Ci.-S.	Cu. SW	8	Ci.-S	Cu.-N. WSW
19	W	Calm	SSW	SSW	Calm	Calm	24.6	45.3	59.2	16.9	146	7	Ci.-S.	N.-cf. SW	6	Ci.-S. NNE	Cu. SW
20	Calm	Calm	SSW	SW	SW	Calm	18	39.4	46.3	22.2	125.9	4	Ci.	Cu. SW	6	Ci.-S.	Cu. SW
21	Calm	Calm	Calm	E	Calm	Calm	22.5	21.7	61.4	21.5	127.1	8	A.-Cu.	Cu.	4	Ci.-S.	Cu. ESE
22	N	Calm	SSW	S	NW	Calm	18.8	35.9	48.6	29	132.3	3	Ci.	Cu. ESE	3	Ci.	Cu. ENE
23	Calm	Calm	SE	Calm	Calm	Calm	23.3	41.7	29.1	29.6	123.7	3	Ci.	Cu. ENE	8	Ci.-S.	cu.-N. ENE
24	Calm	Calm	SW	SSW	Calm	Calm	25.9	38.3	53.1	13.6	130.9	4	Ci.	Cu. ENE	5	Ci.	Cu. ENE
25	Calm	Calm	SW	SSW	Calm	SSW	16.7	57.3	60.5	54.4	188.9	6	Ci.-S.	Cu. SW	6	Ci.-S.	Cu. WSW
26	SSW	Calm	SSW	SW	SW	Calm	27.2	42.8	66.1	19.4	155.5	8	Ci.-S.	N.-cf. SW	8	Ci.-S.	N.-cf. SW
27	SW	Calm	SSW	W	Calm	Calm	25.9	65.9	39.9	18.4	150.1	7	Ci.-S.	Cu. SW	8	Ci.-S.	cu.-N. SW
28	Calm	Calm	S	WNW	Calm	Calm	20.5	53.9	30.8	19.2	124.4	2	Ci.	Cu.	8	----------	Cu.-N. W
29	Calm	Calm	SW	NE	Calm	Calm	20.4	23.3	28.2	14.2	86.1	7	Ci.-S.	S.-Cu. W	9	----------	Cu.-N. W
30	W	WSW	WSW	SW	SW	SW	39.4	44.3	61.9	44.6	190.2	9	Ci.-S.	N.-cf. W	10	----------	N.-cf.WSW
Mean	------	------	------	------	------	------	24.2	46.4	59.1	26.5	156.2	5.3	----------	----------	6.1	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	4,684.9	----	----------	----------	----	----------	----------

CEBU.

[ϕ=10° 18′ N; λ=123° 54′ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.84 mm.]

JULY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	55.39	56.17	56.84	55.76	56.77	57.86	24.1	24.4	26.9	28.4	27	25.6	28.9	23.8	87	88	80	72	83	79	------
2	57.76	58.24	59.36	58.35	58.89	60.01	25.4	25.7	29	29.4	28	27.6	30.9	24.3	83	83	74	70	77	77	------
3	59.02	59.21	59.76	57.75	58.41	59.64	26.5	24.3	29.2	32	28.4	25.5	32.6	23.6	83	87	70	57	75	80	1.3
4	59	59.05	59.09	57.08	57.59	58.91	24.4	25	29.4	30.5	28	26.5	31.6	24	87	92	75	68	74	80	24.6
5	58.42	58.91	59.17	57.21	57.59	59.06	26	23.4	28.3	30	28	25	30.5	23	82	88	78	65	76	83	------
6	57.83	58.22	58.74	56.54	57.49	59.10	24	24.5	29	31	27.2	25	31.6	23	87	87	74	58	84	90	19.3
7	58.17	58.25	59.17	56.81	57.72	59.92	24.7	24.8	26	31	28.5	24	31.5	23.5	91	87	86	65	74	91	9.8
8	58.13	58.30	59.29	57.44	58.15	59.26	24.5	24.7	28.9	30.5	28	25.5	31.3	23.5	91	89	74	63	77	84	------
9	58.20	58.31	58.99	57.22	57.96	59.40	23.5	23.8	29.5	31	29	25.5	31.5	23.1	88	85	65	64	71	80	------
10	58.60	58.52	59.13	57.77	58.15	59.49	25.4	25	30.5	30.9	28.5	27	32	24	79	80	57	60	75	80	------
11	58.41	58.64	59.40	56.82	57.87	59.25	26.3	26	30	30.4	26.9	27.5	31.4	25.5	78	80	64	66	77	69	------
12	58.15	58.27	58.31	57.14	57.21	58.08	26.9	26.6	28	28.9	26	25.5	29.2	25.2	72	70	70	68	84	88	1.3
13	56.34	56.62	57.08	55.89	55.82	57.38	24.9	24.5	25.9	26.7	25.6	24.2	27	24	84	83	79	74	77	90	1.6
14	56.14	56.02	55.88	54.22	55.11	57.71	25.4	26.2	30.5	31.9	29	27.9	32.5	24.2	84	78	56	49	57	65	------
15	56.64	56.83	57.29	55.74	56.68	58.19	27.4	26	30	30	29.5	27	31.6	25.8	77	78	65	70	66	77	------
16	57.47	57.68	58.32	56.58	57.01	58.81	25.5	24.8	29.5	29.2	28	26	31.9	23.6	84	88	70	72	70	78	1.8
17	57.68	57.89	58.27	56.71	56.99	58.31	26.7	25.7	29.5	29.5	28.5	26.8	30.6	25	79	84	71	71	74	72	------
18	57.66	57.82	57.62	55.46	56.22	58.16	26	25	29	30.3	28	25.5	30.8	24.2	84	85	63	64	74	78	.8
19	56.88	57.01	57.76	56.06	56.83	58.51	25.3	24.7	30	29.5	26.9	26.5	31.5	24.4	80	84	61	69	73	76	1
20	56.83	56.96	58.06	56.24	57.45	58.69	26	26	28.5	31	28.5	26.5	31.8	25.5	78	78	68	63	70	70	------
21	56.56	56.49	56.71	55.37	56.13	57.19	27	26.5	29.4	29.8	24.5	26.5	30.8	22.8	71	73	65	65	87	79	13.5
22	55.73	55.76	56.18	54.20	54.88	56.19	25.6	26.5	29.9	30	26	26	31	24	83	76	71	74	88	80	3.6
23	55.43	55.68	56.35	54.59	55.31	56.81	25	25.5	27.8	29.5	28.5	26	30.4	24.7	88	88	74	71	71	85	1.5
24	55.78	55.96	56.72	54.67	55.29	56.97	26	26.8	28.2	29.9	28.8	27	30.4	24.9	89	82	75	71	69	77	2.8
25	55.70	55.84	56.15	54.72	55.56	57.23	26.7	26.4	30	30.8	27.5	27.1	31.4	25.5	80	75	64	65	73	69	.8
26	56.13	56.23	56.49	54.69	55.94	57.31	27	26.6	29.5	31.2	29.5	27.2	31.9	25.4	78	77	70	67	61	76	------
27	57	57.25	57.71	56.68	57.59	58.23	27.3	26.2	30.2	28.9	28	26.5	31.4	25.5	70	76	66	78	86	88	3
28	57.94	57.86	58.42	57.57	57.38	58.06	25.4	24.8	27.6	26.5	26.5	25.5	28.2	24	91	91	80	90	88	88	35.9
29	57.20	57.04	57.33	55.91	56.41	57.87	25	24.5	28.4	25.7	25.4	25	29	23.8	90	95	78	88	88	87	1.3
30	57.09	56.89	57.16	56.24	56.61	57.36	25	24.8	28.5	28.5	26.5	25.3	30.4	24.5	85	85	69	74	84	80	------
31	56.49	56.46	57.03	55.89	55.84	57.60	25.5	25.7	29.8	29	28	27.5	30.8	25.2	80	78	63	74	74	76	------
Mean	57.22	57.37	57.86	56.24	56.87	58.28	25.6	25.3	28.9	29.7	27.6	26.1	30.9	24.3	82.7	82.9	70.2	68.5	76	79.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	123.9

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	W	Calm	SW	SW	W	W	33.5	53.1	62.2	42.8	191.6	10	----------	N. WSW	9	Ci.-S.	N.-cf. SW
2	Calm	Calm	SW	SW	WSW	SW	20.4	70.8	58.2	36.9	186.3	7	A-Cu.	Cu. SSW	8	Ci.-S.	cu.-N. sw
3	W	Calm	SE	SE	Calm	Calm	29.2	30.3	44.3	21.2	125	5	Ci.	Cu. SW	4	Ci.	Cu. S
4	Calm	Calm	SE	S	Calm	N	17.4	-----	-----	17.1	------	6	Ci.-S.	Cu. NNE	6	Ci.-S.	Cu. NE
5	Calm	W	SE	E	Calm	Calm	38.4	29.3	65.7	17.7	151.1	9	Ci.-S.	Cu.-N. NE	7	Ci.-S.	Cu. NE
6	Calm	Calm	N	E	Calm	NW	18.8	34.8	55	29.8	138.4	3	Ci.	Cu. NE	4	Ci.	Cu. NE
7	Calm	Calm	S	SE	SSW	NW	25.7	29	42.3	43.7	140.7	5	Ci.	Cu. ENE	4	Ci.	Cu.
8	Calm	Calm	SSW	SW	SW	Calm	16.1	58.6	-----	-----	------	4	Ci.	Cu. SW	4	A.-Cu.	cu.-N. sw
9	Calm	Calm	S	SSW	SW	Calm	-----	-----	76.7	15.8	------	3	A.-Cu. NE	Cu.	3	Ci.	Cu. SW
10	WSW	W	SSW	SSW	WSW	W	35.6	65.4	-----	28.7	------	3	Ci.	Cu.	5	Ci.-S.	Cu. SW
11	SW	SW	SSW	SSW	W	W	42	73	73.3	42.1	230.4	6	Ci.-S.	Cu. SW	7	Ci.-S.	Cu. WSW
12	SW	Calm	Calm	W	W	SW	52.6	30.1	52.5	56.3	191.5	9	Ci.-S.	Cu.-N. W	9	----------	Cu.-N. W
13	SW	WSW	SW	SW	WSW	SW	57.9	78.9	95.8	70.8	303.4	9	----------	N. WSW	9	----------	cu.-N. WSW
14	SW	SW	SW	WSW	WSW	SW	57.3	108.6	129.2	94.4	389.5	7	Ci.-S.	Cu. SW	7	Ci.-S.	Cu. WSW
15	SW	SW	SW	SW	SW	SW	74.2	121.2	126	60.1	381.5	5	Ci.	Cu. SW	6	Ci.-S.	Cu. WSW
16	Calm	SW	SW	SW	SW	Calm	16.7	72.3	-----	-----	------	7	Ci.-S.	Cu. SW	8	Ci.-S.	cu.-N. sw
17	Calm	Calm	SW	SSW	WSW	Calm	-----	-----	-----	-----	------	7	A.-Cu.	N.-cf. wsw	6	Ci.	Cu. WSW
18	W	Calm	SW	SSW	WSW	SW	-----	-----	-----	-----	------	7	----------	S.-Cu. W	4	Ci.	Cu. W
19	WSW	Calm	SW	SSW	SW	SW	-----	-----	-----	-----	------	6	Ci.-S.	Cu. WSW	6	Ci.	Cu. SW
20	W	SW	SSW	SSW	SW	WSW	-----	-----	-----	-----	------	7	Ci.-S.	Cu. SW	6	Ci.	Cu. WNW
21	WSW	WSW	SW	SSW	WSW	Calm	-----	-----	-----	-----	------	6	A.-Cu.	Cu. W	7	Ci.-S.	Cu. W
22	W	SW	SSW	SSW	Calm	Calm	-----	-----	-----	15.1	------	7	Ci.-S.	S.-Cu. W	6	Ci.-S.	Cu. W
23	W	SW	SW	SW	SW	WSW	38.6	61.2	94.4	58.1	252.3	8	----------	Cu.-N. SW	8	Ci.-S.	Cu. WSW
24	W	W	SW	SW	WSW	WSW	31.4	64.7	119.4	41.2	256.7	8	----------	S.-Cu. SW	7	A.-Cu.	Cu. WSW
25	WSW	WSW	SSW	SSW	WSW	W	49.4	91.7	104.1	34.3	279.5	5	A.-Cu. W	Cu. SW	6	Ci.	Cu. WSW
26	SW	SW	SSW	SW	Calm	Calm	37	66.5	66.1	23.8	193.4	4	A.-Cu. W	Cu. SW	5	Ci.	Cu. SW
27	W	SW	SSW	SW	W	Calm	29.6	55.7	48.3	15.1	148.7	7	Ci.-S.	Cu. W	8	Ci.-S.	N.-cf. W
28	Calm	Calm	Calm	Calm	Calm	Calm	10	23	20.5	23.5	77	9	----------	Cu.-N. W	9	----------	Cu.-N. NW
29	W	Calm	S	E	SW	W	19.6	22.5	56	41.8	139.9	9	Ci.-S.	Cu.-N. NW	9	----------	Cu.-N. NW
30	WSW	W	SW	SSW	WSW	W	44.3	58.5	75.6	46.8	225.2	8	----------	Cu.-N. W	8	Ci.-S.	N.-cf. SW
31	W	W	SW	SW	SW	WSW	49.2	96.9	101.3	58.9	306.3	7	Ci.-S.	Cu. SW	7	Ci.-S.	Cu.-N. SW
Mean	------	------	------	------	------	------	35.2	60.7	74.6	39	215.4	6.5	----------	----------	6.5	----------	----------
Total	------	------	------	------	------	------	-----	-----	-----	-----	------	----	----------	----------	----	----------	----------

CEBU.

[ϕ=10° 18′ N; λ=123° 54′ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.84 mm.]

AUGUST, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	56.75	56.86	57.19	55.79	57.01	58.37	26.8	25.3	29.8	30.7	26.7	27	31.4	24.8	80	83	69	65	76	75	0.8
2	56.68	58.02	57.74	56.09	56.54	58	26	26	29	29.5	28.5	27.4	30	25.5	81	80	78	71	78	73	------
3	57.33	57.40	57.79	55.89	56.73	58.32	26.3	26.2	30	30.9	29.5	27.2	31.2	25.6	83	79	65	69	73	79	------
4	57.56	57.54	58.17	55.92	56.73	57.90	26.6	26	29.5	30.2	29	27	31.2	25	81	80	70	66	74	83	------
5	56.81	57.22	57.59	56.13	56.89	58.49	26.2	25.5	29.7	31.2	28.4	25.9	32.2	24.4	78	80	71	60	77	85	------
6	57.68	57.88	58.30	56.19	57.09	58.65	24.9	23.7	29.7	31.7	29.8	26.2	32.6	23.4	84	85	63	58	72	82	------
7	57.53	57.86	57.79	56.13	56.64	57.89	24.8	25.8	30	31	29	28	31.9	24	85	80	65	62	76	76	1
8	56.45	56.05	56.46	55.04	55.08	56.66	26.2	26.4	30	31	29.5	27.5	31.8	26	81	75	64	61	74	75	------
9	55.31	55.72	55.87	54.01	54.75	56.02	26.3	25.8	30.3	33	30	27.8	33.8	25.3	77	79	64	55	53	69	------
10	55.01	55.22	55.22	54.39	55.16	56.23	26.5	26.5	30.3	29.7	27.5	26.6	31	25.5	79	79	65	69	69	72	------
11	55.89	55.86	56.81	54.90	55.76	57.47	25.4	26.2	28	30.1	28	26.4	31	25	80	79	76	60	73	82	------
12	57.13	56.66	57.36	55.68	56.13	58.25	27	27.2	29.8	30	29.4	26.5	31.1	25.3	78	81	66	67	67	76	3
13	57.41	56.57	57.28	55.69	56.41	57.75	25.6	25.4	29.5	29.2	27.8	26.7	30.5	25	78	80	63	68	69	78	------
14	56.96	57.11	57.77	56.84	57.29	59.21	25.5	25.5	29.5	29.8	27.8	25.5	30.4	24.1	81	81	64	63	67	76	6.4
15	58.75	59.27	59.32	57.87	58.46	60.42	24.7	24.6	29.1	30.2	29	25.7	31.5	23.4	79	81	65	63	61	78	------
16	59.23	59.13	59.85	58.12	58.75	60.10	24.1	23.6	30	32	29.2	25.6	32.5	22.5	86	84	69	58	73	82	------
17	58.98	59.07	59.33	56.93	58.21	59.27	24.1	25	29	29.1	25.5	23	30.7	22.1	84	85	64	67	89	90	21.1
18	57.18	57.19	57.92	56.78	57.17	57.79	23.9	24.6	27.5	24	24.4	23.6	27.9	22.4	91	85	72	91	91	90	7.4
19	56.65	57.30	58.07	56.24	56.81	57.93	24	24	27	29.9	27.5	25.3	30.5	23.2	86	85	70	52	76	88	------
20	57.19	57.38	57.86	56.39	56.77	58.79	25.8	25.2	29.5	28.5	26.5	25.5	30	24.6	81	77	64	72	74	77	------
21	57.81	57.65	58.05	56.35	57.08	58.31	25.3	25.4	29.2	29.3	26.3	24.8	29.9	24?	78	77	60	67	82	94	2
22	57.36	56.98	56.75	55.74	56.42	58.11	25	25.3	28.8	29	24	24	30.2	23.2	91	81	71	68	92	93	14.2
23	56.71	56.24	57.15	55.29	55.70	57.36	24.5	25.3	27.2	29.6	28	26	30	23.8?	87	77	70	59	76	82	------
24	56.23	55.64	56.17	54.04	54.11	56.53	25.5	24.5	28.2	29	27.5	26.3	29.6	24	83	83	68	68	71	76	------
25	56.14	55.26	55.64	53.93	54.65	56.55	24.7	25.2	28.4	30	------	------	30.6	23.8	86	78	68	60	-----	-----	------
26	------	------	------	------	------	------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------
27	------	------	------	------	------	------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------
28	------	------	------	------	------	------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------
29	------	------	------	------	------	------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------
30	57.39	56.97	57.56	55.89	56.76	58.44	-----	-----	29.7	30.7	30	27.6	31.4	-----	-----	-----	68	74	56	73	------
31	57.68	57.63	58.37	56.51	57.48	59.46	26.6	26.4	28.2	29.1	29	26.6	30.5	25.9	74	74	81	74	78	76	------
Mean	57.10	57.10	57.53	55.88	56.54	58.08	25.4	25.4	29.1	29.9	28	26.1	30.9	24.3	82	80.3	67.9	65.4	73.7	80	------
Total	------	------	------	------	------	------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	55.9

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	W	Calm	SW	SSW	W	W	33.8	100.1	109.7	38	281.6	4	Ci.	Cu. SW	3	Ci.	Cu. SW
2	Calm	SW	SW	SW	Calm	W	32.2	79.1	69.1	29.8	210.2	7	Ci.-S.	Cu.-N. SW	8	Ci.-S.	Cu. SW
3	Calm	SW	SSW	SW	SW	Calm	30.3	88.2	84.2	36.4	239.1	3	Ci.	Cu. SW	4	Ci.	Cu. SW
4	W	SW	SW	SW	Calm	Calm	32.2	70.1	76.8	32.5	211.6	7	Ci.-S.	Cu. SW	6	Ci.-S.	Cu. SW
5	Calm	W	SW	SW	WSW	Calm	22.5	72.4	87.4	23.1	205.4	3	Ci.	Cu. SW	4	Ci.	Cu. SW
6	Calm	Calm	SW	SW	Calm	Calm	17.6	55	81.5	18.4	172.5	5	Ci.-S.	S.-Cu.	4	Ci.	Cu. W
7	Calm	WSW	SW	SW	Calm	Calm	22.1	65.2	73.5	24.4	185.2	3	Ci.	Cu. W	7	Ci.-S.	Cu. NW
8	Calm	Calm	SW	SW	SW	Calm	30.8	73.2	83.6	27.8	215.4	7	A.-Cu. ENE	S.-Cu	7	A.-Cu.	Cu. WNW
9	W	WSW	SW	WSW	WSW	W	47.7	96.6	102.5	43.1	289.9	4	Ci.	Cu. WSW	6	Ci.-S.	Cu. W
10	W	WSW	SW	SW	SW	Calm	38.8	105.7	112.3	46.7	303.5	5	Ci.-S.	Cu. SW	8	Ci.-S.	Cu. W
11	W	SW	SW	SW	SW	Calm	38.8	108.5	96.3	35.8	279.4	7	Ci.-S.	N.-cf. SW	5	Ci.	Cu. W
12	W	WSW	SW	SW	SW	SW	39.9	95.3	94.3	43.4	272.9	5	Ci.	Cu. SW	6	A.-Cu.	Cu. SW
13	W	W	SW	SW	SW	SW	43.7	92.4	131.7	68.7	336.5	4	Ci.-S.	S.-Cu. WSW	8	Ci.-S.	Cu. WSW
14	W	Calm	SW	SW	SW	W	31.9	84.8	92.8	32.2	241.7	8	Ci.-S.	Cu. SW	7	Ci.-S.	N.-cf. WSW
15	W	Calm	SSW	SW	SW	W	27.4	71.8	88.7	21.7	209.6	3	Ci.	Cu. WSW	4	Ci.	Cu. SW
16	Calm	Calm	S	SSW	Calm	Calm	21.2	51.7	46.9	20.5	140.3	4	Ci.-S.	S.-Cu.	4	Ci.-S.	Cu. SW
17	S	Calm	S	S	S	N	23.9	57	73.2	33	187.1	8	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu. W
18	N	Calm	SW	W	Calm	Calm	27.2	25.4	21.2	17.6	91.4	9	----------	N.-cf. W	9	----------	N. W
19	Calm	Calm	SW	SW	SW	Calm	25.9	42.3	79.8	25.7	173.7	9	----------	N. W	8	Ci.-S.	Cu.-N. W
20	WSW	Calm	SW	SW	SW	W	32.1	62.8	81.8	57.9	234.6	8	----------	S.-Cu W	7	Ci.-S.	N.-cf. WSW
21	W	W	SW	SW	WSW	Calm	52.1	76.4	84.5	28.4	241.4	5	A.-Cu.	Cu. WSW	7	Ci.-S.	Cu. SW
22	W	W	WSW	S	Calm	Calm	31.1	53.9	52.3	20.5	157.8	7	----------	S.-Cu. NNW	8	----------	Cu.-N. NW
23	W	SW	SW	SW	Calm	W	42.4	51.4	52.1	35	180.9	8	----------	S.-Cu. W	8	Ci.-S.	Cu. W
24	SW	SW	W	W	WSW	SW	64.9	82.9	97.4	70.5	315.7	8	----------	Cu.-N. W	9	Ci.-S.	Cu.-N. W
25	SW	SW	SW	SW	SW	SW	58.2	143	124.7	88.2	414.1	6	Ci.-S.	Cu. SW	7	Ci.-S.	Cu. SW
26	------	------	------	------	------	------	76.4	127.3	-----	-----	-----	----	----------	----------	----	----------	----------
27	------	------	------	------	------	------	-----	-----	-----	-----	-----	----	----------	----------	----	----------	----------
28	------	------	------	------	------	------	-----	-----	-----	-----	-----	----	----------	----------	----	----------	----------
29	------	------	------	------	------	------	-----	-----	-----	-----	-----	----	----------	----------	----	----------	----------
30	S	Calm	SSW	SSW	WSW	S	31.2	86.7	102.8	29.5	250.2	3	Ci.	Cu.	1	Ci.	Cu.
31	Calm	WSW	S	W	SW	Calm	27.7	91.1	100.3	33.2	252.3	8	Ci.-S.	Cu.-N. SW	9	Ci.-S.	N. WSW
Mean	------	------	------	------	------	------	35.9	78.9	85.2	36.4	233.1	5.9	----------	----------	6.4	----------	----------
Total	------	------	------	------	------	------	-----	-----	-----	-----	-----	----	----------	----------	----	----------	----------

NOTE.—This station was temporally closed from 26th to 29th.

CEBU.

[ϕ=10° 18′ N; λ=123° 54′ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.84 mm.]

SEPTEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.79	59.10	59.17	57.34	58.04	60.34	25.3	25.5	29.7	30.5	29.2	27	31.5	24.4	77	78	72	65	73	72	------
2	59.07	59.25	59.02	56.68	57.40	59.55	25.2	25	30.1	31.2	28.6	25.6	31.7	23.5	80	81	68	61	75	83	------
3	58.35	58.57	58.29	56.71	57.43	59.69	24	23.2	30	31.5	29	26.1	32.1	22.6	81	84	67	57	71	80	------
4	58.46	58.37	59.29	57.34	58.41	59.41	25.7	25.1	30.9	31.4	28.6	25.5	32.5	24.4	83	80	63	60	76	88	18.3
5	58.24	58.36	59.56	57.26	58.24	59.59	24.4	24.5	29.1	30.8	28.1	25	31.7	24.1	88	89	71	64	78	92	------
6	58.28	58.47	59.34	57.14	58.05	59.76	24	23.1	29.5	27.6	26.6	25.6	30.9	22.7	87	91	68	80	86	92	2.8
7	58.30	58.65	59.60	57.27	57.94	59.25	24.6	24.1	27.2	27.4	25.6	24.1	29.4	22	92	92	87	76	85	92	22.2
8	58.04	58.11	58.21	56.26	56.64	58.21	23.6	23.2	29.2	30.5	27.5	25.5	30.9	22.8	90	91	68	65	81	81	------
9	57.08	57.08	57.82	56.20	56.78	58.59	24.6	24.5	30.5	30.8	28.6	26	31.5	24	85	85	65	66	74	88	1
10	57.46	57.82	58.78	57.79	58.17	59.52	24.7	24	28.2	28.5	27.2	25.5	30.2	23.5	93	93	77	78	83	89	1
11	58.30	58.57	59.39	57.79	58.75	59.92	24.6	23.5	29.4	30.6	25.5	24.7	31	23.1	92	93	70	64	81	91	.5
12	58.75	58.92	59.36	57.13	58	58.81	24	24	29.9	29.2	28.5	24.6	30.5	23.3	91	88	69	73	73	92	------
13	57.92	57.99	58.39	56.49	57.09	57.96	24.1	24	28.8	29.5	26	24.1	30.2	23.2	90	86	67	75	78	90	------
14	57.04	57.13	57.48	55.51	56.18	57.72	23.3	23.1	29.1	29.6	25.5	25.5	30.1	22.5	85	88	68	69	95	88	1.5
15	56.16	56.73	56.91	54.85	56.25	57.08	25.6	25.1	30	30.2	28	26.6	30.5	24.9	84	83	65	70	78	84	4.1
16	56.03	56.33	57.10	55.89	56.36	58.06	26	26	28.4	24.1	25.6	26	30	24.1	84	88	75	98	88	84	11
17	57.18	57.92	57.80	55.70	56.61	57.83	24.8	26	29	29.8	27.6	27.1	30.4	23.6	85	84	76	70	70	70	------
18	57.01	57.44	57.89	56.20	56.96	58.49	26.1	26	29.6	29	27.5	25	30	24.3	73	84	75	74	71	85	.8
19	57.15	57.48	58.34	56.35	57.45	58.80	23.9	24.1	29.4	29	27.6	25.6	30.6	23	87	91	74	68	80	88	------
20	58.19	59.06	59.65	57.24	57.68	59.45	24.4	24.1	29.5	31.2	28.5	26.6	31.4	23.8	91	91	71	58	78	87	------
21	58.37	58.79	58.84	55.87	56.82	58.30	26.3	25	29.7	31.1	28.5	26	32	24.8	86	88	74	62	75	88	56.4
22	57.08	57	57.83	55.78	56.66	58.52	24.4	23.2	27	25.6	26	25.1	28.9	22.2	95	96	80	84	84	92	4.9
23	57.51	57.37	58.34	55.92	57.09	59.07	24.5	23.5	28.6	31	27.6	25.3	31.2	23.2	92	92	70	62	80	91	3.3
24	58.08	58.25	58.85	56.70	57.23	58.26	24.7	24.5	29	29	26	25	31.8	23.5	88	92	74	75	92	92	11.2
25	57.23	57.66	57.80	55.60	56	56.62	23.5	23.2	29	29.5	28.5	25.7	31	22.5	92	87	71	71	78	82	.5
26	56.04	55.71	56.39	53.77	54.49	55.61	24.7	25.5	30	32	28.5	27.1	32.6	24.5	85	81	65	60	68	75	------
27	54.56	55.43	56.36	54.07	55.34	57.01	27	27	29.5	30.6	29.5	27.6	30.9	26.7	72	75	75	68	64	73	------
28	56.48	56.68	57.90	55.88	57.21	58.31	27.7	26.5	29.7	30	27	26.5	30.6	26.2	76	81	71	71	77	73	.3
29	57.93	58.60	59.26	56.94	58.01	59.20	25.2	25	29.6	30.2	28.1	26	30.8	24.1	81	83	70	64	74	88	------
30	58.24	58.77	59.44	57.08	58.39	59.55	24.2	23.5	30.2	31	28.5	25.5	31.5	22.7	91	87	70	67	75	87	------
Mean	57.58	57.85	58.41	56.35	57.19	58.62	24.8	24.5	29.3	29.7	27.6	25.7	30.9	23.7	85.8	86.7	71.2	69.2	78	85.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	139.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	SSW	SW	WSW	Calm	20.7	81.9	93.6	18.8	215	4	Ci.-S.	Cu.-N. SW	1	Ci.	Cu.
2	Calm	Calm	S	S	WSW	Calm	16.6	79.2	106.8	23.8	226.4	0	Ci.	Cu.	0	Ci.-S.	Cu.
3	Calm	Calm	S	S	WSW	Calm	20.1	76.9	97.9	20.7	215.6	0	Ci.-S.	Cu.	0	Ci.	Cu.
4	Calm	Calm	S	SbyE	Calm	NE	17.6	65.7	52.6	20.1	156	1	Ci.-S.	Cu.	7	Ci.-S.	Cu.-N.
5	Calm	Calm	SSW	SSE	SW	Calm	15.6	35.1	53.6	21.8	126.1	5	A.-Cu.	Cu.	8	Ci.-S.	Cu.
6	Calm	Calm	S	Calm	Calm	SW	15.3	51.2	34.5	20.7	121.7	4	A.-Cu.	Cu.	9	A.-Cu.	N.
7	Calm	Calm	S	Calm	Calm	Calm	23.3	33.4	41.5	15.8	114	9	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.
8	Calm	Calm	ENE	E	Calm	Calm	18.5	39.7	52.3	25.3	135.8	8	Ci.-S.	S.-Cu.	4	Ci.-S.	Cu.
9	Calm	Calm	NE	S	Calm	Calm	30.9	35.4	54.7	21.3	142.3	1	Ci.-S.	Cu.	2	Ci.-S.	Cu.
10	Calm	Calm	SSE	SE	Calm	Calm	27.2	30.6	45	19.4	122.2	1	Ci.	Cu.	9	Ci.-S.	Cu.-N.
11	Calm	Calm	S	SSW	WNW	Calm	16.9	50.3	72.9	20.7	160.8	1	Ci.	Cu.	5	Ci.-S.	Cu.
12	Calm	NW	SSE	SW	SSW	Calm	29.1	41	61.4	26.2	157.7	7	A.-Cu.	S.-Cu.	8	Ci.-S.	Cu.-N.
13	Calm	Calm	SSW	WNW	Calm	Calm	22.3	48.8	54.6	23.8	149.5	3	Ci.	Cu.	9	Ci.-S.	Cu.-N. WbyS
14	Calm	Calm	SSW	SSW	Calm	Calm	21.8	68.9	52.5	28.7	171.9	0	Ci.	Cu.	9	Ci.-S.	Cu. W
15	Calm	Calm	SSW	SSW	SSW	S	33	71	115.6	64.3	283.9	6	Ci.-S.	Cu.	5	Ci.-S.	Cu.
16	SSW	WSW	S	WSW	SW	WSW	81.1	108.9	-----	-----	-------	10	Ci.-S.	cu.-N. WSW	10	Ci.-S.	Cu.-N.
17	SW	WSW	SSW	SW	WSW	SW	-----	-----	-----	-----	-------	10	A.-Cu.	N.	10	Ci.-S.	Cu.-N.
18	Calm	WSW	SSW	SSW	Calm	Calm	-----	-----	-----	-----	-------	9	Ci.-S.	cu.-N. SSW	10	Ci.-S.	Cu.
19	SW	Calm	SSW	SSW	SW	Calm	-----	-----	-----	-----	-------	10	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.
20	Calm	Calm	SSW	WSW	Calm	Calm	-----	-----	52.6	19.2	-------	2	A.-Cu.	Cu.	9	Ci.-S.	Cu.
21	Calm	Calm	ESE	SSE	Calm	SSE	17.2	38.1	40.2	39.4	134.9	6	A.-Cu.	Cu.	4	Ci.-S.	Cu.
22	SE	Calm	SW	W	Calm	Calm	32.2	47.7	34.8	22.8	137.5	10	----------	N.	10	----------	N. SWbyS
23	Calm	Calm	S	WSW	Calm	NW	17.1	45.1	53.1	28.5	143.8	6	Ci.-S.	S.-Cu.	2	Ci.	Cu.
24	Calm	Calm	NNW	E	N	Calm	18.7	32.4	58.9	21.5	131.5	1	Ci.	Cu.	8	Ci.-S.	Cu.-N.
25	NE	NE	SbyE	SSW	SW	Calm	26.9	38.9	63.4	23	152.2	1	Ci.-S.	Cu.	4	Ci.	Cu. NW
26	W	WSW	S	SW	SSW	W	31.4	86.7	105.2	60.4	283.7	7	Ci.-S.	Cu.-N. NW	7	Ci.-S.	cu. WSW
27	SW	WSW	SSW	S	SSW	SSW	65.2	131.7	143	66.5	406.4	9	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu.
28	W	WSW	SSW	SSW	WSW	W	65.4	114.3	90.6	32.5	302.8	9	Ci.-S.	Cu.-N. SWbyS	9	Ci.-S.	Cu.-N
29	Calm	Calm	SSW	SSW	W	Calm	13.2	54.9	71	24.1	163.2	9	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.
30	Calm	WSW	S	SbyW	Calm	Calm	19	46.7	56.3	21.4	143.4	3	Ci.-S.	Cu.	6	Ci.-S.	Cu.
Mean	------	------	------	------	------	------	27.6	59.8	67.6	28.1	179.9	5.1	----------	----------	6.6	----------	----------

CEBU.

[ϕ=10° 18′ N; λ=123° 54′ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.84 mm.]

OCTOBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.07	58.96	59.62	57.28	58.28	59.80	23.9	24.2	29.6	32.7	28	25.7	33.1	23.1	86	90	75	61	81	86	------
2	59.02	59.77	60.48	58.23	59.25	61.16	25.3	24.7	31	31.4	29.4	25.5	32.1	24.4	87	87	69	63	72	88	------
3	59.30	59.45	60.42	57.47	58.51	59.70	25	24.8	30.5	31.5	28.5	25.6	31.5	23.7	83	86	68	60	70	86	------
4	58.26	59.04	59.62	56.59	58.36	59.80	25.4	25	31.1	31.6	27.7	25.5	32	24.5	87	89	66	65	83	84	------
5	58.44	59.15	59.43	57.51	58.51	59.71	24.9	24.6	31.4	30.2	27.5	25.1	32	23.9	87	88	62	68	81	87	------
6	58.87	58.96	59.62	57.48	58.81	60.34	24.6	24.2	30.2	31.8	26.6	25.5	32.5	23.6	90	90	67	62	72	81	------
7	59.22	59.55	60.50	58.27	59.05	60.57	24.8	24.5	30	31.6	28	23.1	31.6	22.3	87	87	67	56	71	97	55.9
8	59.36	60.02	60.53	58.22	59.15	60.80	22.8	23.2	30.5	31.5	28.5	26	31.9	22.5	97	95	66	58	74	88	3
9	60.26	60.36	60.29	57.98	58.89	59.91	24.7	23.7	30.6	31.5	25.5	25	32.1	23.5	92	94	72	64	88	88	2
10	58.78	59.56	59.85	57.77	58.26	59.31	24.6	24.1	30.2	31	27.5	25.5	32	23.9	88	91	67	62	81	88	------
11	58.31	58.67	59.17	57.13	58.16	59.20	25	24.8	30.5	31.5	28.1	25.1	31.5	23.2	86	85	65	60	74	88	------
12	58.26	58.80	59.34	57.45	57.99	59.04	24.8	24.5	31	27.6	26.8	24.5	31.4	23.8	89	91	65	84	86	87	2
13	58.18	58.63	59.08	56.77	58.06	59.25	23.9	23.5	29.6	31	28	24.5	31.5	22.9	86	88	65	62	78	92	12.2
14	58.16	58.37	59.27	57.58	58.86	59.45	24.2	23.7	31.3	29.1	25.6	25	32	23.5	94	91	64	77	91	88	4.5
15	58.73	59.17	59.59	57.33	58.34	59.41	23.9	23.5	30.1	30.7	27.5	25.5	30.9	23.1	91	91	71	63	78	89	------
16	58.84	59.65	60.01	57.45	58.49	59.69	25	24.1	27.7	29.2	27	25	30	23.7	86	91	77	76	86	88	6.9
17	59.22	60	60.04	57.72	58.43	59.90	25	25	30.5	31	28	26	31.3	24.4	91	89	66	65	74	76	12.7
18	59.29	60.01	60.47	58.86	59.54	58.95	24.4	24.9	26.5	26.6	25.2	24.1	27.9	23.7	91	94	85	84	90	88	.3
19	58.46	59.15	59.35	57.48	58.50	59.84	24.2	25	29.4	28.5	24	25.1	30	22.7	86	83	68	78	99	91	5.6
20	58.68	58.86	58.76	56.60	58.23	59.62	25.1	25.1	29.5	31.6	27.1	25.5	31.6	23.6	85	83	68	59	77	84	------
21	58.76	59.26	60.30	58.69	59.68	60.88	25.3	25	30.4	30.1	26.5	24	31	23.5	82	78	58	58	80	85	------
22	59.76	60.80	61.57	59.70	60.46	61.65	24.3	23.1	30.5	30.6	26.8	23.6	30.7	22.5	84	86	66	65	82	86	------
23	60.12	61.16	61.63	59.43	60.03	61.41	23.1	22.9	29.6	29.8	26.6	25.5	30	22.1	87	87	70	63	79	65	------
24	60.22	61.26	61.85	59.39	59.89	61.45	23.7	21.6	29.1	30	27	24	30	21.4	79	90	68	62	68	87	------
25	60.73	61.31	61.89	59.37	60.16	61.32	23.8	23.6	30.6	30	27.5	24.5	31.4	22.9	86	88	65	71	70	82	.3
26	60.52	61.06	61.48	59.28	60.03	61.62	24.3	24	30	29.9	27.2	26	30.4	23.5	85	87	69	66	68	78	------
27	60.56	61.35	61.47	59.24	60.28	61.70	26.1	26.4	30.5	30.5	27.2	23.6	30.6	23.4	81	77	62	60	68	86	------
28	60.76	61.63	62.14	60.14	60.61	61.97	24	22.9	30	30.5	27.6	23.5	30.6	22.2	83	84	69	56	66	88	------
29	60.82	61.18	61.85	59.52	60.16	61.20	23.2	23.6	30.1	30.9	27.6	25.6	31	22.8	84	86	68	58	73	83	4.8
30	60.24	61.10	61.63	59.20	59.80	61.05	25.1	24.2	30.2	31	28.4	25.5	31.1	24	90	90	67	64	77	84	------
31	59.59	60.14	60.25	57.67	59.15	60.11	25.4	25.1	30.2	31.5	27.5	25	31.6	24.9	84	83	62	62	73	84	------
Mean	59.28	59.88	60.37	58.15	59.09	60.32	24.5	24.2	30.1	30.5	27.2	25	31.2	23.3	86.9	87.7	67.6	64.9	77.7	85.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	110.2

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	SSE	SSE	Calm	Calm	26.6	48.9	42.9	27.1	145.5	1	Ci.	Cu.	6	Ci.-S.	Cu.
2	Calm	W	SSE	E	ENE	Calm	28.4	41.3	80	21.3	171	0	Ci.	Cu.	1	Ci.	Cu.
3	Calm	Calm	NEbyE	E	Calm	Calm	27.8	77.1	117.4	22.5	244.8	7	Ci.	Cu.	1	Ci.	Cu.
4	Calm	Calm	SSE	SSE	Calm	Calm	17.3	31.1	53.6	22.3	124.3	8	Ci.-S.	Cu.-N.	3	Ci.-S.	Cu.
5	Calm	Calm	SSE	NNE	Calm	Calm	21	42	34.5	31.6	129.1	2	A.-Cu.	Cu.	7	Ci.-S.	Cu.
6	Calm	S	SSE	NNE	WSW	Calm	27.9	48.3	50.8	27.4	154.4	1	Ci.	Cu.	3	Ci.-S.	Cu.
7	Calm	Calm	ENE	E	S	W	16.9	41.8	87.5	40.8	187	2	Ci.-S.	Cu.	1	Ci.	Cu.
8	SSE	Calm	ESE	E	Calm	Calm	22.1	30.1	80.5	22.8	155.5	4	A.-Cu.	Cu.	1	Ci.-S.	Cu.
9	Calm	Calm	SSE	E	W	Calm	26	35.1	65.2	23.9	150.2	3	Ci.-S.	Cu.	7	Ci.-S.	Cu.
10	Calm	Calm	NNE	NW	Calm	Calm	20.2	42.5	45.8	19.3	127.8	9	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
11	Calm	NNE	ENE	E	Calm	Calm	21.3	78.4	107.5	20.1	227.3	4	Ci.-S.	Cu.	5	Ci.-S.	Cu.
12	Calm	Calm	ENE	WNW	Calm	NW	22.8	35.9	40.6	28	127.3	1	A.-Cu.	Cu.	9	A.-Cu.	Cu.-N. NNW
13	Calm	NW	SSW	SSW	Calm	NW	24.8	50.4	54.9	26.9	157	1	Ci.	Cu.	1	Ci.-S.	Cu.
14	Calm	Calm	Calm	ESE	Calm	Calm	18.8	33.5	38.3	28.2	118.8	1	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
15	Calm	Calm	Calm	E	Calm	Calm	20.1	28.4	78.7	20.1	147.3	5	Ci.	Cu.-N.	4	Ci.-S.	Cu.
16	Calm	Calm	NNW	S	Calm	Calm	22	26	47.7	23.1	118.8	7	Ci.-S.	Cu.-N. E by N	6	Ci.-S.	Cu.
17	Calm	Calm	E	E	Calm	Calm	-----	47.7	101.6	42.5	------	8	Ci.	Cu.	3	Ci.-S.	Cu.-N.
18	Calm	Calm	N	NNE	Calm	Calm	18.5	54.3	55.5	25.9	154.2	9	Ci.-S.	N.	10	----------	N.
19	Calm	N	ENE	NE	Calm	N	29.3	88.5	84.2	32.7	234.7	1	Ci.	Cu.	10	Ci.-S.	Cu.-N.
20	Calm	N	NE	NE	Calm	Calm	36.9	71	70.3	30.6	208.8	9	Ci.	N.	4	A.-Cu.	Cu.
21	Calm	N	NE	ENE	Calm	Calm	39.7	71.8	82.9	13.2	207.6	10	----------	S.-Cu.	6	Ci.-S.	Cu.
22	NE	NNE	ENE	NNE	Calm	Calm	32.5	83.9	69.5	29.5	215.4	1	Ci.	Cu.	2	A.-Cu.	Cu.
23	Calm	Calm	SEbyE	ENE	Calm	N	23.8	71.6	74.8	25.6	195.8	1	Ci.	S.-Cu.	0	Ci.	Cu.
24	Calm	Calm	ENE	ENE	Calm	Calm	25.3	52.6	79.9	19.9	177.7	1	Ci.	Cu.-N.	1	Ci.-S.	Cu.
25	Calm	Calm	ENE	E	Calm	Calm	25.4	50.1	89.1	23.3	187.9	0	A.-Cu.	Cu.	1	Ci.	Cu.-N.
26	NE	Calm	ENE	E	NE	Calm	35.4	74	116.5	31.4	257.3	3	Ci.	Cu.-N.	1	A.-Cu.	Cu.-N.
27	NE	Calm	ENE	ENE	Calm	Calm	26	90.1	138.1	19.3	273.5	3	Ci.-S.	S.-Cu.	2	Ci.-S.	Cu.
28	NE	Calm	E	ENE	NE	Calm	28.6	82.7	99.6	19.4	230.3	1	Ci.-Cu.	Cu.	2	A.-Cu.	Cu.
29	Calm	NNW	E	E	NE	Calm	23.3	80	97.9	31.9	233.1	0	Ci.	Cu.	1	A.-Cu.	Cu.
30	Calm	NNW	ENE	ENE	NE	Calm	29.1	76.1	115.4	30.5	251.1	0	Ci.	Cu.-N.	1	Ci.	Cu.
31	N	Calm	N	ENE	NNE	Calm	41.3	81.5	111.3	25.1	259.2	6	Ci.	S.-Cu.	1	Ci.-S.	Cu.
Mean	------	------	------	------	------	------	26	57	77.8	26	185.8	3.5	----------	----------	3.9	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	------	------	----------	----------	------	----------	----------

CEBU.

[ϕ=10° 18′ N; λ=123° 54′ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.84 mm.]

NOVEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.06	59.50	60.10	57.43	58.80	60.27	23.9	23.1	30.7	30.5	28	25.8	------	22.6	88	90	64	69	74	85	------
2	59.10	59.56	60.64	58.04	59.19	60.50	24.4	23.5	28.6	29.5	26.5	24.2	------	22.7	85	87	68	64	71	79	------
3	59.12	59.79	60.69	58.03	59.29	60.02	23	22.5	28.7	29.5	27.2	24.7	------	22.1	88	88	64	58	69	79	------
4	58.92	59.37	59.63	57.63	58.25	58.67	23.8	24.5	29.1	30	25.6	23	------	22.5	86	81	55	50	69	83	------
5	57.75	57.85	58.44	56.29	56.70	57.69	22.9	24.5	29.2	30.5	26.5	22.7	------	21.4	82	71	51	42	64	73	------
6	57.17	57.09	58.04	56.17	56.68	57.91	21.5	24.2	29.4	30.5	28.5	25.1	------	21.3	82	74	56	57	64	79	------
7	57.26	57.52	58.38	56.79	58.50	60.30	25.7	23.5	30.1	30.7	27.8	26.1	------	23.5	72	82	55	57	75	80	------
8	59.62	60.53	61.76	59.68	60.56	62.10	25.3	24	28.5	30.6	27.6	23.5	------	23	80	86	73	65	70	88	------
9	61.55	62.17	62.91	60.83	61.58	62.46	23.1	22.5	28.9	30	26.4	23.3	------	21.8	90	90	71	63	78	84	1.3
10	62.25	62.41	62.91	60.47	61.08	61.92	24.4	23.5	28.6	29.4	27	25.7	------	22.8	80	88	71	68	73	78	15.7
11	60.97	61.88	62.29	60.38	61.01	62.03	23	23.6	29.1	28.7	25.6	22.9	29.4	22.3	90	78	54	63	68	73	------
12	61.02	61.39	61.78	59.65	60.58	61.34	23.2	23	28.2	29.5	26.2	24.6	30	22	83	83	62	59	75	75	------
13	60.42	60.72	61.10	59.03	59.75	60.31	24	24.5	29.8	29.8	26.4	24.5	30.2	23.1	80	77	61	64	79	92	15
14	59	59.93	60.24	58.04	60.04	60.41	24.7	24.2	29.2	30.6	24.5	24.3	30.6	24	91	94	73	63	89	90	2.9
15	59.36	58.98	59.84	57.73	58.54	59.61	24.1	24.5	29.6	29.9	27.5	26.5	30	24	85	82	69	68	78	80	.3
16	58.27	59.15	59.39	57.40	58.46	59.16	25.8	25	28.1	30.2	27.6	27	30.2	24.9	82	89	79	66	76	77	------
17	58.42	58.91	59.94	57.38	58.29	59.28	26	25.2	27.7	30	23.5	25	30.5	22.2	78	82	77	60	91	84	6.4
18	58.23	58.73	60.05	57.98	58.89	59.92	24.9	25	29.8	28.5	27	25.1	30.4	24.5	83	83	69	79	84	84	.5
19	58.84	59.20	60.14	57.66	58.28	58.95	24.8	24	28.1	30.4	27.1	25.8	30.4	23.6	85	87	78	64	80	81	------
20	58.29	58.50	58.95	56.55	57.61	58.91	25.4	25	29.8	30.5	27.5	25.5	30.6	24.6	86	85	61	65	75	84	.3
21	57.72	57.84	58.53	56.04	56.79	57.87	24.6	24.3	30.2	31	27.6	25.4	31	23.7	87	85	62	61	76	76	------
22	57.03	58.03	58.44	56.43	56.64	57.83	24.5	22.6	30	30.2	27.6	25.5	30.4	22.5	81	90	66	68	80	81	------
23	57.08	57.94	58.90	56.74	57.49	58.09	24.7	23.5	30	30	27.6	25.1	30.2	23	85	88	69	65	76	83	------
24	57.76	58.23	59.52	57.34	58.36	59.68	25.4	24	29.5	30.4	28	25.9	30.8	23.5	86	89	72	60	67	80	------
25	58.99	59.45	60.33	58.10	58.86	59.91	25.4	24.6	30.5	30.6	27.5	25.5	30.9	24.2	84	88	69	71	77	88	6.4
26	59.31	60.04	60.66	58.59	59.31	60.75	24.6	24.5	29	30.5	26.5	25.7	30.6	24.2	90	96	72	62	74	83	5.3
27	59.76	60.38	60.95	58.63	59.81	60.19	24.1	23.2	29.5	30.6	27.6	25.9	30.6	22.6	90	85	62	62	76	83	.5
28	59.50	59.92	60.99	58.87	59.75	61.09	24.7	24	30.2	31.1	28	25.9	31.1	23.6	84	87	62	61	82	82	------
29	60.36	60.23	60.79	58.57	59.19	60.30	24.9	23.5	30.1	31.1	26.5	25.8	31.1	23.1	83	88	68	61	76	80	------
30	59.37	59.47	60.21	58.45	59.45	60.21	24.6	23.5	28.7	29.5	25.5	24.6	30	22.8	81	85	69	68	80	83	------
Mean	59.05	59.49	60.22	58.03	58.92	59.92	24.4	23.9	29.3	30.1	26.9	25	30.4	23.1	84.2	85.3	66.1	62.8	75.5	81.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	54.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	ENE	ENE	Calm	Calm	16.4	92.8	112	16.6	237.9	0	Ci.	Cu.	5	A.-Cu.	Cu.
2	Calm	Calm	NNE	SSW	Calm	Calm	21.3	46.7	58.9	19.7	146.6	5	Ci.-S.	Cu.	9	Ci.-S.	cu.-N. NW
3	NNE	Calm	NE	ENE	Calm	NNE	24.8	57.9	64.7	13.1	160.5	5	Ci.-S.	cu.-N. NNW	9	Ci.-S.	Cu.-N.
4	Calm	N	NNW	NW	Calm	NNW	20.2	65.4	83.4	24.7	193.7	9	Ci.	Cu.-N.	4	Ci.-S.	Cu.
5	Calm	NNW	NW	WNW	Calm	Calm	28	61.9	65.4	26	181.3	1	Ci.	Cu.	4	Ci.-S.	Cu.
6	Calm	Calm	SSE	SSE	WSW	Calm	38.3	49	60.2	24.3	171.8	0	Ci.	Cu.	6	Ci.-S.	Cu.
7	W	Calm	SSW	SSW	Calm	Calm	36.9	73.7	84.7	23.6	218.9	4	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu.
8	Calm	Calm	SSW	WSW	NE	Calm	16.4	42.8	63.1	15.3	137.6	9	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu.
9	Calm	Calm	ENE	ENE	Calm	Calm	16.9	67.2	91.1	20.5	195.7	0	Ci.	Cu.	1	Ci.-S.	Cu.
10	NNE	N	E	E	Calm	NNE	33.9	97.9	130.1	33.2	295.1	4	Ci.	S.-Cu.	1	A.-Cu.	Cu.
11	NNE	NNE	NNE	E	Calm	Calm	56.5	106.4	145.6	21.5	330	0	A.-Cu.	Cu.-N.	0	A.-Cu.	Cu.
12	NE	NNE	ENE	ENE	NE	Calm	36.1	72.4	95.2	33.9	237.6	0	------	Cu.	0	------	Cu.
13	NNE	N	NE	ENE	NE	Calm	39.7	97.9	109.4	35	282	0	Ci.-Cu.	Cu.	4	Ci.	Cu. ENE
14	Calm	NE	ENE	ENE	NE	Calm	45.3	80.8	102.4	24.9	253.4	10	------	N. ENE	8	A.-Cu.	Cu.-N.
15	NE	NNE	NNE	ENE	NE	ENE	36.4	75.8	102.4	57.3	271.9	2	Ci.-S.	Cu.-N.	2	Ci.	Cu.
16	NNE	N	ENE	ENE	NE	Calm	40.9	92	103.5	45.8	282.2	5	A.-Cu.	N. ENE	1	Ci.-S.	Cu.-N.
17	NE	N	NE	ENE	N	NNE	38.5	95	108.8	50.4	292.7	2	A.-Cu.	Cu.-N.	6	Ci.-S.	Cu. ENE
18	Calm	N	ENE	E	ENE	E	37.3	82.9	82.4	38.6	241.2	4	Ci.	Cu.-N. ENE	3	A.-Cu.	Cu.
19	NNE	Calm	NE	ENE	ENE	NNE	30.9	70	93.5	34.3	228.7	1	Ci.	Cu.-N.	1	Ci.	Cu.
20	NE	NE	ENE	ENE	NE	NE	37	93	100	33.5	263.5	0	Ci.	Cu.	1	A.-Cu.	Cu.
21	Calm	N	ENE	E	Calm	NNE	31.4	71	83.1	34.3	219.8	0	------	Cu.	0	Ci.	Cu.
22	NE	Calm	ENE	ENE	Calm	Calm	21.8	86.7	101.4	20.2	230.1	0	Ci.	Cu.	1	Ci.	Cu.
23	Calm	Calm	ENE	ENE	ENE	Calm	26.4	83.4	113	23.1	245.9	0	------	Cu.	0	------	Cu.
24	NE	Calm	E	ENE	ENE	NE	32.7	74.7	87.2	35.3	229.9	0	Ci.	Cu.	2	Ci.-S.	Cu.
25	NE	N	E	ENE	NE	NE	34.5	87.4	104.1	42	268	0	Ci.	Cu.	1	Ci.-Cu.	Cu.
26	NNE	ENE	ENE	ENE	N	Calm	38.2	83.7	93.8	42.6	258.3	10	------	N.	0	A.-Cu.	Cu.
27	Calm	N	ENE	ENE	Calm	NE	26.4	84	99.2	31.1	240.7	3	Ci.-S.	Cu.-N.	4	Ci.-S.	Cu.
28	Calm	Calm	ENE	ENE	ENE	E	18.4	75.2	114.9	28.9	237.4	1	Ci.	Cu.	1	Ci.	Cu.
29	NE	Calm	ENE	ENE	Calm	NE	21	95.3	91.2	35.8	243.3	0	A.-Cu.	Cu.	4	A.-Cu.	Cu.
30	Calm	Calm	NE	ENE	Calm	Calm	23	76	76.9	20.4	196.3	1	Ci.-S.	Cu.-N.	9	Ci.-Cu.	Cu.
Mean	------	------	------	------	------	------	30.8	78	94.1	30.2	233.1	2.5	------	------	3.3	------	------
Total	------	------	------	------	------	------	------	------	------	------	6,991.9	------	------	------	------	------	------

CEBU.

[ϕ=10° 18′ N; λ=123° 54′ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.84 mm.]

DECEMBER, 1911.

Day.	Atmospheric pressure, 700.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.43	59.67	60.53	58.64	59.09	60.22	23.7	24	29.6	31	26.4	24.1	31	22.7	86	83	59	52	67	78	------
2	58.96	59.34	59.84	57.70	58.96	59.71	23.5	22.6	29.2	31.5	24.2	24	31.5	22	83	86	68	57	94	95	2.3
3	58.90	59.12	59.85	57.98	58.20	59.76	23.3	24	29.1	28.6	26.5	24.7	30	22.7	94	87	67	68	73	86	1.1
4	58.78	59.06	60.21	57.24	57.92	59.04	24.2	24.5	27.2	30	27	24	30.1	23	90	87	77	66	70	83	------
5	58.62	58.78	59.41	57.48	58.28	58.91	22.7	22.6	29.5	29	27	24.9	30.4	22	92	91	64	62	78	88	4.8
6	57.98	57.80	57.75	55.99	56.61	57.51	23.7	23.1	29.5	26.1	26.5	25.1	30.5	22.7	87	90	68	77	74	79	.3
7	57	57.24	57.84	56.43	56.93	57.89	23.3	21.2	29	29.5	26	23.9	30.1	20.7	80	87	68	63	73	76	------
8	57.71	57.85	58.86	56.85	57.79	59.13	21.8	21.5	28.5	30.6	27.5	24.5	31	21.5	93	95	71	58	77	85	------
9	58.18	58.24	58.35	56.52	57.63	58.20	23.4	23.5	30.1	32.6	28	26.7	32.6	23.1	88	91	70	55	78	86	37.1
10	57.96	58.08	58.60	55.85	56.67	57.95	23.9	23.5	29.2	31	27.6	25	31.9	23.1	93	96	70	65	80	84	------
11	57.68	57.98	58.50	56.33	57.61	58.52	24.9	24	30.5	30.1	27.7	26.7	30.9	23.7	87	91	69	65	82	87	------
12	58.16	58.75	60.04	58.32	58.83	59.59	25.8	23.9	29.5	29.7	27	26	29.8	23.7	85	92	68	68	75	82	------
13	58.94	59.52	60.10	57.92	59.81	60.86	25.8	24	29	29.5	25.1	24.1	29.6	23.2	78	83	71	64	91	91	10.9
14	59.65	59.33	59.98	57.77	59.10	59.52	23.7	23.5	29.5	30.7	26	24.9	31	23.2	86	83	66	61	86	89	------
15	59.26	59.41	60.13	58.10	58.75	60.07	24.9	24.6	29.1	29.5	27.5	25.1	30.1	24.5	91	88	70	69	77	88	1.3
16	59.07	59.96	60.91	59.34	60.34	61.37	25.2	24.6	29	29.6	27.2	25	30	24.1	87	91	68	69	83	88	.8
17	60.51	60.78	61.21	59.54	60.24	61.94	24.9	24.6	29.2	29.9	27.6	27.3	29.9	24.4	89	92	68	67	70	80	------
18	60.97	61.55	62.40	60.82	61.76	61.86	25.6	25.5	28.5	28.5	25	24.6	30	24.1	81	83	75	77	88	87	------
19	61.22	61.44	62.15	59.69	59.94	61.04	24.1	23.1	28.6	29.2	27	25.6	29.3	22.9	84	84	63	64	70	76	1
20	60.31	60.93	62.26	60.53	61.49	62.20	24.7	22	28.5	29.5	26.6	25.3	29.6	21.7	82	96	68	64	73	78	------
21	61.42	61.91	62.93	61.10	61.95	62.27	24.6	25	29.5	30.1	27.1	25.6	30.1	24.2	79	80	61	62	69	75	------
22	61.90	62.23	62.62	60.29	61.23	61.29	24.9	24	29	29.7	27	25.2	29.8	23.5	75	76	68	63	73	83	------
23	60.90	61.38	62.50	60.44	61.05	61.80	24.8	24.2	29.1	30.1	27.6	25.9	30.4	24	86	90	64	52	67	73	------
24	61.60	62.17	62.61	60.65	61.12	61.76	24.8	25	28.1	29	26.6	24.2	30.5	23.7	75	70	63	60	68	75	------
25	60.32	60.70	60.90	59.24	60.16	60.86	23.8	23.1	29.6	29.5	24.5	25.1	30.7	23	77	82	61	62	92	88	.5
26	59.92	60.46	61.04	58.20	59.44	60.29	25	24.5	28.5	29.5	26.6	25.7	30	24	80	79	64	64	77	78	------
27	59.60	59.63	60.66	58.44	59.52	60.36	24.9	24.2	27.2	29.5	27.1	24.6	30	24	79	90	75	61	73	76	.5
28	59.50	60.06	61	58.34	59.30	60.21	23.7	23.5	28.5	29.6	26.6	25.1	30	23.1	85	89	68	58	77	80	------
29	59.21	59.56	60.42	58.13	59.24	59.97	24.8	24.1	27.2	28.2	24.6	23.5	28.2	23.2	75	76	72	65	90	87	2.1
30	58.85	59.03	59.98	57.55	59.15	60.12	23.9	24	29	30.1	25.6	24	30.1	23.3	83	83	70	62	87	90	4.1
31	59.36	59.63	59.93	57.69	59	60.05	24	24.1	28.6	28.5	27	24.9	29.5	23.9	79	87	70	70	78	85	------
Mean	59.42	59.73	60.44	58.36	59.26	60.14	24.3	23.7	28.9	29.7	26.6	25	30.3	23.2	84.2	86.4	67.9	63.5	77.7	83.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	66.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			6 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1	Calm	Calm	E	ENE	Calm	Calm	32.5	84.7	108.9	28.4	254.5	0	Ci.	Cu.	0	Ci.	Cu.
2	Calm	Calm	ENE	E	NNE	Calm	23.6	90.1	115.1	27.2	256	0	Ci.	Cu.	1	Ci.-S.	Cu.
3	Calm	Calm	NE	NNE	NNE	Calm	21.3	66.8	77.8	21.7	187.6	4	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
4	Calm	Calm	NNE	ENE	Calm	Calm	21	57.6	89.8	26.6	195	10	----------	Cu.-N. ENE	4	A.-Cu.	Cu.
5	Calm	Calm	NE	NE	Calm	Calm	21.5	57.1	64.4	34.6	177.6	1	Ci.	Cu.-N.	9	Ci.-S.	Cu.-N.
6	Calm	Calm	E	NNW	Calm	NNW	18.5	----	----	----	------	8	Ci.	Cu.-N.	9	Ci.-S.	N. NE
7	Calm	WNW	SSE	S	E	Calm	----	----	32.2	21.3	------	10	Ci.	Cu.-N.	9	Ci.-S.	Cu.
8	NE	Calm	S	SSW	Calm	Calm	23.6	40.7	47.9	26.8	139	1	Ci.	Cu.-N.	1	Ci.-S.	Cu.
9	Calm	Calm	SSE	S	Calm	Calm	18.8	38	38.6	14.2	109.6	4	Ci.-Cu.	Cu.-N. SE	3	Ci.	Cu.-N.
10	SE	Calm	S	ENE	Calm	Calm	23.8	30.3	66.8	24.1	145	1	Ci.	Cu.	1	A.-Cu.	Cu.
11	Calm	Calm	E	ENE	ENE	ENE	23.4	43.7	102.8	51.7	221.6	1	Ci.	Cu.-N.	4	Ci.-S.	Cu.
12	NE	Calm	ENE	ENE	Calm	NE	29.5	68.2	96.1	64.4	258.2	1	Ci.	Cu.	1	A.-Cu.	Cu. ENE
13	NNE	Calm	ENE	ENE	Calm	ENE	42	76	103.4	46.6	268	5	Ci.	Cu.-N.	9	Ci.-S.	Cu.-N.
14	NE	N	ENE	ENE	NNE	Calm	39.3	76	106.5	26.8	248.6	0	Ci.	Cu.-N.	1	Ci.	Cu.
15	NE	NNE	NNE	ENE	NNE	N	42.6	62.6	84.7	50.6	240.5	4	Ci.	Cu.-N.	6	Ci.-S.	Cu.-N. ENE
16	NNE	N	ENE	ENE	ENE	NE	35.2	85	101.6	47.9	269.7	9	A.-Cu.	N.	6	A.-Cu.	Cu.
17	NNE	NNE	ENE	ENE	NE	ENE	46.6	127.4	183.2	105.7	462.9	10	Ci.-S.	N.	4	Ci.-S.	Cu.
18	ENE	NNE	ENE	ESE	ENE	NNE	41.3	93.6	152.6	47.5	335	5	Ci.	Cu.-N.	9	A.-Cu.	Cu.-N.
19	ENE	NNE	ENE	NE	NE	Calm	39	75	103.3	32.7	250	0	Ci.	Cu.	0	Ci.	Cu.
20	NNE	Calm	ENE	ENE	Calm	ENE	23.8	72	88.7	37.5	222	1	Ci.	Cu.-N.	0	Ci.	Cu.
21	NNE	NE	ENE	ENE	NNE	NE	39.6	84	119.1	50.1	292.8	3	Ci.	S.-Cu.	1	Ci.	Cu.
22	NNE	N	ENE	ENE	NNE	NE	43.7	95.8	91.5	54.6	285.6	4	Ci.	Cu.-N.	3	Ci.	Cu.
23	NNE	N	ENE	NE	NE	NNE	49.5	114.9	132.5	47	343.9	2	Ci.	Cu.-N.	0	Ci.	Cu.
24	NE	NNE	ENE	ENE	NE	NE	62	116.1	127.6	36.6	342.3	5	A.-Cu.	Cu.-N.	6	A.-Cu.	Cu.-N.
25	NE	Calm	ENE	ENE	NNW	NE	36.9	95.2	112.3	36.9	281.3	0	Ci.	Cu.-N.	7	A.-Cu.	Cu.
26	NNE	NNE	NE	ENE	NE	NNE	39.7	71.5	108.1	30.5	249.8	4	A.-Cu.	Cu.-N. ENE	8	Ci.-S.	Cu.
27	NE	NNE	NE	ENE	ENE	NNE	33.9	77.4	180.6	62.7	354.6	9	Ci.-S.	N.	4	Ci.	Cu.
28	NE	NNE	ENE	ENE	ENE	NNE	51.7	78.3	119.1	41.5	290.6	0	Ci.	Cu.	3	Ci.	Cu.
29	Calm	NE	NE	NNW	NNE	NE	30.8	78.3	80.2	42.6	231.9	5	Ci.	Cu.-N.	8	A.-Cu.	Cu.-N. ENE
30	NNE	NNE	ENE	ENE	NE	NE	43	93	130.7	49.5	316.2	0	Ci.	S.-Cu.	2	Ci.	Cu.
31	Calm	NE	ENE	ENE	NE	Calm	31.6	83.7	115.3	32.1	262.7	9	A.-Cu.	Cu.-N.	5	Ci.	Cu.
Mean	------	------	------	------	------	------	34.3	77	102.7	40.7	258.4	3.7	----------	----------	4.3	----------	----------

ILOILO.

[ϕ=10° 42′ N; λ=122° 34′ E; barometer above sea, 6 meters; gravity correction not applied, —1.84 mm.]

JANUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.04	60.50	61.42	59.44	60.56	60.88	23.8	23	28.3	27.6	24.6	23.6	29.7	22.3	89	91	71	73	87	90	0.3
2	59.71	60.17	60.98	58.85	59.97	60.99	23	22.3	28	28.6	25.9	22.8	29.5	22.1	93	92	68	54	70	88	------
3	60.12	60.94	61.76	59.79	60.40	60.84	22.2	21.5	26.8	28.6	25.5	23.2	29.5	21.4	89	91	67	60	73	82	------
4	60.34	60.85	61.24	59.35	60.72	61.49	23.1	23	26.7	29.9	26.1	24.5	30.1	22.5	85	88	79	63	84	88	.5
5	60.34	61	62.17	59.34	60.49	61.29	23.4	22.9	28.7	30.6	27.9	25.7	31.5	22.5	86	92	67	59	75	78	------
6	60.37	60.27	61.30	58.56	59.78	60.78	23.8	23	29.2	29.7	27	25.5	31	22.9	88	91	66	67	78	86	------
7	59.79	60.28	60.99	58.45	60.52	61.84	24.8	24.5	28.8	29.3	25	24	30.5	23	90	92	69	66	84	88	6.1
8	60.17	60.64	60.82	59.06	59.85	60.17	22.8	23.5	25.2	26.7	25.5	24.4	28.8	22.4	93	91	86	77	80	87	.3
9	59.01	59.14	59.91	57.11	57.87	58.69	24	24	27.7	30.6	27.6	25.5	31.4	23.7	88	90	76	56	72	88	------
10	57.49	57.55	58.35	56.19	56.59	58.02	24.5	23.6	29.6	31	27.9	25	31.1	23.4	91	94	67	56	71	88	------
11	57.41	57.80	58.78	56.29	56.53	58.04	23.5	22.1	29	30.4	27	24.8	31.5	21.9	90	91	65	63	76	78	------
12	57.94	58.08	59.13	57.39	57.71	59.14	22.5	21.5	29.1	30.5	27.5	24	31.5	21.3	85	91	64	62	74	83	------
13	58.52	59.04	60.32	58.34	58.96	60.45	23	22.5	29.4	30.4	27.5	24.9	31.9	21.8	86	87	64	63	76	88	------
14	59.81	59.93	60.45	58.09	58.51	59.75	24	24	29	30.6	27.7	26	31.4	23.8	90	91	68	58	79	84	------
15	58.72	59.09	60.24	57.34	57.41	58.49	25	23.6	29	30.5	28	25.9	31.4	23.2	87	94	64	63	79	82	------
16	58.04	58.34	59.57	57.71	58.62	59.65	24.5	24	29.5	30.5	27.1	25	31.5	22.9	92	91	68	63	76	87	------
17	59.10	59.47	60.21	57.70	58.41	59.83	23.9	23.5	29	31.1	28.1	25.2	31.6	23.4	91	91	64	51	63	81	------
18	59.40	59.86	60.24	58.06	58.90	60.18	23.8	23.5	29.6	29.8	27.9	24.9	31	23	86	88	66	66	74	87	------
19	58.84	59.24	60.45	58.16	58.73	59.86	24	23.5	29.4	30	26.6	24	30.5	23.4	87	92	69	67	76	91	------
20	59.36	59.45	60.67	59.05	59.38	60.56	23.8	23.6	28.2	29	27.1	24.5	30.5	23.4	90	91	68	61	76	89	------
21	59.36	59.41	60.33	57.85	58.41	60.80	23.4	23.1	28	30.3	28	24.9	31.4	22.9	91	94	71	61	70	89	------
22	59.34	59.30	60.57	57.61	57.70	59.28	24.5	24	28	30	27.6	24.5	31	23.7	89	91	74	62	66	87	.5
23	58.36	58.15	58.95	56.41	57.02	58.47	23.2	23.5	28.7	29.5	27.5	24.5	30.5	23	91	91	67	64	70	86	------
24	57.09	57.11	57.96	55.79	56.55	58.24	23.4	22.9	29	29.6	27.4	23.9	30.6	22.8	90	92	64	61	68	84	------
25	57.92	58.11	58.90	56.11	56.85	58.55	23	22.5	28.6	30	27.6	24.8	31.9	22.3	90	88	66	61	71	85	------
26	57.64	57.30	58.17	56.19	56.29	57.94	24.2	23.5	29.4	31.5	28.4	25	32.2	23.4	86	91	65	48	62	83	------
27	57.08	57.11	58.17	55.57	56	57.67	24	23.1	29.1	31.1	28.4	25.3	33	23	86	90	68	55	72	89	.3
28	56.58	56.35	57.67	55.47	56.17	57.78	24.2	23.1	29.6	31.4	27.6	24.9	32.5	22.6	93	90	67	52	76	89	------
29	56.94	57.36	58.70	55.92	55.92	57.69	23.6	23.6	29.5	31	28.4	25.5	32	23.3	93	90	70	56	70	80	------
30	57.65	57.36	58.60	56.38	56.65	58.47	23.4	23.1	29.5	31.5	28	24.2	32	22.9	93	95	64	46	68	88	------
31	57.64	57.72	58.80	56.47	56.89	57.49	23	22.5	29.8	31.8	29.4	25.6	32.1	22.4	83	82	67	49	56	78	------
Mean	58.71	58.93	59.87	57.55	58.21	59.46	23.7	23.2	28.7	30.1	27.3	24.7	31.1	22.8	89.1	90.7	68.4	60.1	73.3	85.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	N	NE	N	N	N	74	100.6	81	61.4	317	5	Ci-S.	Cu.	10	Ci.-S.	Cu.-N.
2	N	N	NE	E	ENE	N	74.8	100.4	129.3	54.1	358.6	1	Ci.	Cu.	8	Ci.-S.	Cu.
3	NE	N	N	E	N	NE	57.7	93.8	105.4	76.4	333.3	2	Ci.	Cu.	9	Ci.-S.	Cu. N
4	NE	NE	NE	E	NE	N	74.2	85.6	73.2	43.1	276.1	8	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.
5	N	N	NE	E	NE	N	55.7	56.5	74	56.9	243.1	6	Ci.	Cu.	7	Ci.	Cu.
6	NE	NE	NNE	E	NNE	N	48.1	83.5	88.7	74.5	294.8	4	Ci.	Cu.	8	A.-Cu.	Cu.
7	N	N	NE	NE	NE	NE	83.5	111.6	111.6	85.8	392.5	9	Ci.-S.	S.-Cu.	10	A.-Cu.	Cu. NE
8	N	NNE	NE	NE	NE	N	78.3	120.1	93.1	68.9	360.4	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
9	N	NE	N	NE	E	N	73.7	75.9	83.4	48	281	10	Ci.-S.	Cu.	9	Ci.	Cu.
10	N	N	NE	E	E	NE	57.1	76.7	92.2	43.5	269.5	2	Ci.	Cu.	2	Ci.	Cu.
11	N	N	NE	E	NE	NE	41.8	56.3	83.7	49.7	231.5	1	Ci.	Cu.	2	Ci.	Cu.
12	NE	Calm	N	E	NE	N	44.5	58.9	84.3	64.7	252.4	4	Ci.	Cu.	5	Ci.	Cu.
13	N	N	NE	E	NE	N	52.6	76.2	95.8	72.6	297.2	4	Ci.	Cu.	5	Ci.	Cu. N
14	N	N	NNE	E	N	NNE	57.3	80.3	81.6	61.5	280.7	4	Ci.	Cu.	6	Ci.	Cu.
15	N	NE	NE	E	ENE	NE	42.3	49.7	75.3	55.8	223.1	5	Ci.	Cu.	3	----------	Cu.
16	NE	NE	NE	N	NNE	NE	48.5	76.6	115.3	80.3	320.7	2	----------	Cu.	8	Ci.-S.	Cu. NE
17	N	N	NE	ENE	NE	NE	74.2	93.3	97.6	63.9	329	6	Ci.	Cu.	1	Ci.	Cu.
18	N	N	NNE	E	NE	N	50.7	83.9	109.9	62.8	307.3	6	Ci.	Cu.	8	Ci.	Cu.
19	N	NE	NE	E	N	NE	59.3	87.1	121.3	76.6	344.3	4	Ci.	Cu.	3	Ci.	Cu.
20	NE	NE	NE	N	NE	NE	70.3	97.1	107.3	75.8	350.5	7	Ci.	S.-Cu.	10	A.-Cu.	Cu.
21	N	N	NE	E	N	NE	79.2	94.8	96.4	78.4	348.8	8	Ci.-S.	Cu.	9	Ci.-S.	Cu.
22	N	NE	N	E	NNE	N	61.5	72.7	100.8	64.1	299.1	9	Ci.-S.	S.-Cu.	3	Ci.	Cu.
23	NE	N	NE	E	NE	NE	62.2	84.3	124.7	66.8	338	7	Ci.	Cu.	6	Ci. SSW	Cu.
24	N	N	NE	E	E	N	68.4	100.6	115.6	61	345.6	6	Ci.	Cu.	4	Ci.	Cu.
25	NE	NE	NE	E	NNE	NNE	54.1	90.4	100.9	78.1	323.5	1	Ci.	Cu.	3	Ci.	Cu.
26	NNE	N	NNE	ENE	E	NNE	67.8	93.3	93.8	50.4	305.3	2	Ci.	S.-Cu.	5	Ci.	Cu.
27	N	N	E	E	SW	N	45.1	55.2	63.3	43.3	206.9	2	Ci.	Cu.	8	Ci.	Cu.
28	N	Calm	NE	E	NE	NNE	33.5	48.9	84.5	62	228.9	8	Ci.	Cu.	6	Ci.	Cu.
29	NE	NE	NE	E	E	NE	59.5	77	96.4	65.5	298.4	7	A.-Cu.	Cu.	6	Ci.	Cu.
30	Calm	NE	NE	E	E	E	41	78.6	79.4	44.6	243.6	2	Ci.	Cu.	7	Ci.	Cu.
31	NE	NE	NE	E	NE	NE	47.8	73	100.6	51.7	273.1	9	A.-Cu. E	S.-Cu.	4	Ci.	Cu.
Mean	------	------	------	------	------	------	59.3	81.7	95.5	62.7	299.2	5.2	----------	----------	6.3	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	9,274.2	----	----------	----------	----	----------	----------

ILOILO.

[ϕ=10° 42′ N; λ=122° 34′ E; barometer above sea, 6 meters; gravity correction not applied, —1.84 mm.]

FEBRUARY, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	56.94	57.35	58.42	56.49	56.69	58.29	24	22.5	29.6	32	28.4	24.1	32.4	22.3	81	91	63	41	55	74	------
2	58.09	58.55	59.86	57.60	58.05	59.02	22	21	29.7	32	27.4	22.9	------	20.4	84	91	61	56	67	79	------
3	58.35	58.35	60.25	58.15	58.01	59.71	21.8	21.6	27.5	31.1	27.7	24.2	31.8	21.4	86	86	70	39	61	83	------
4	59	59.29	60.45	58.23	58.97	60.43	23.5	23	29.5	30.1	28.5	24.8	31.7	22.9	85	91	63	53	64	83	------
5	59.74	59.94	60.69	58.61	58.67	59.54	23.8	23.2	28.8	30.1	27.7	24.8	31.5	22.5	83	86	57	50	60	78	------
6	58.59	58.62	59.20	57.87	57.85	58.71	23.5	22.7	27.2	24.6	25.2	24	30.7	22.6	79	85	70	82	77	79	0.6
7	58.22	58.69	60.25	58.13	58.15	59.25	23.2	23	24.2	25.1	25.5	23.5	27	22.4	94	96	86	86	76	89	13.9
8	58.22	58.79	60.08	57.92	58.19	59.54	23	22.6	27.4	27.2	25.8	23	28	22	88	90	66	55	66	79	------
9	58.70	58.66	59.82	58.04	58.28	60.29	21.8	21.8	27.2	28.8	26.5	24.3	29.9	21.5	87	88	70	63	73	86	.5
10	59.79	59.81	61.20	59.54	60.18	61.66	22.4	22.8	27.6	28	25.6	24.4	30.3	21.8	93	89	69	70	81	88	1.8
11	60.54	60.71	62.05	59.49	60.57	61.49	23.6	23.8	28	30.2	26.2	24.8	32.8	23.2	91	90	74	64	84	88	------
12	60.28	60.82	62.08	59.33	59.70	61.17	24.2	23.8	28.6	29.8	25.5	23.6	30.4	22.6	90	88	65	61	77	86	19
13	60.30	60.50	61.92	59.82	59.58	60.46	22.4	20.6	27.8	27.8	25.8	22.8	29.1	20.2	91	94	71	61	70	84	------
14	60.02	59.84	60.72	58.46	59.13	59.96	22.5	21.6	27.8	28.6	23.6	22.8	30.3	21.5	87	93	65	66	91	93	16
15	58.92	58.70	59.59	57.35	57.38	58.73	23	22.8	26	26.5	25.8	24.2	28.8	22.5	93	93	84	77	82	90	.3
16	57.86	57.75	58.74	56.77	57.10	58.22	23.8	24	28.2	27.7	27	25	29.6	23.6	93	91	70	72	73	88	------
17	57.34	57.46	59.02	56.47	56.98	58.28	24.2	24.1	24.8	29	26.5	24.8	30.6	23.8	95	95	98	71	82	92	4.1
18	57.36	57.58	59.33	57.01	57.87	59.27	24.4	24.3	27.8	30.5	26.1	24.8	31.1	23.8	95	93	79	65	82	89	.3
19	58.51	58.73	60.26	58.69	59.56	61.40	24.4	24.1	25.3	25.3	23.6	23.2	26.1	23	90	91	93	84	90	90	19
20	60.24	60.67	61.09	59.60	59.81	61.75	23	23	25.6	25.6	23.6	23.5	26.1	22.6	90	90	83	84	91	91	1.5
21	60.22	60.25	61.27	58.62	59.50	61.08	23.2	23	26	27	25	23.8	29.1	22.8	95	97	80	72	79	86	------
22	59.79	59.40	60.68	57.74	58.76	60.63	23.2	23.3	27.6	30.5	26.1	24	30.6	23.1	90	89	70	62	74	85	------
23	59.42	59.72	61.22	58.74	59.31	61.79	23	22.6	29.3	30.9	27.1	24.4	31.9	22.4	90	91	59	54	63	78	------
24	61.17	61.20	62.49	59.80	60.46	62.22	22.4	21.9	28.1	31	26.6	24.4	31.3	21.6	86	88	60	46	67	83	------
25	60.89	60.98	61.76	58.76	59.52	61.10	23.5	23.3	29.5	32	27.5	25	32.6	22.8	87	84	64	53	70	80	------
26	59.49	59.94	60.95	58.19	58.33	60.22	23	22	28.6	28.5	27.2	24.4	31.1	21.8	93	96	67	73	76	83	------
27	59.02	59.42	60.65	57.80	58.12	60.10	22.8	22	28.2	31.2	27	26	33.2	21.2	91	95	69	61	75	75	------
28	59.18	59.25	60.17	58.24	58.45	60.31	24.8	24	29.4	31	27.9	25	31.9	23.6	74	83	65	58	71	83	------
Mean	59.15	59.32	60.51	58.27	58.68	60.16	23.2	22.8	27.7	29	26.3	24.2	30.4	22.4	88.6	90.5	71.1	63.5	74.2	84.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	77

Day.	Wind.											Clouds.				
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.	
												Amount.	Form and direction.		Amount.	Form and direction.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	Calm	NE	ENE	E	NE	30.1	70.5	79.9	37.2	217.7	4	Cl.	Cu.	4	Ci.	Cu.
2	NE	Calm	NE	------	E	NE	37.2	----	----	63.3	------	5	Ci.	Cu.	----	----------	----------
3	NE	NE	NE	ENE	NE	NE	61.5	93	114.8	55.5	324.8	7	Ci.	Cu.	8	Ci.	Cu.
4	NE	N	NE	E	NE	NE	76.2	109.4	157.2	70.6	413.4	2	Ci.	Cu.	6	Ci.	Cu.
5	NNE	NE	NE	E	NNE	NE	87.1	129.3	176.5	92.5	485.4	8	Ci.	Cu.	4	Ci.	Cu.
6	NE	NE	NNE	E	NNE	NE	80.8	102.4	137.9	71.3	392.4	2	Ci.	Cu.	10	Ci.-S.	Cu.-N.
7	NE	NNE	NE	NE	NE	NE	89.9	126.8	146.1	94.6	457.4	10	----------	N.	10	Ci.-S.	Cu.-N.
8	NNE	NE	NE	NE	NE	NNE	95	130.4	163.8	95.2	484.4	9	Ci.-S.	Cu.	9	Ci.-S.	Cu.
9	NNE	NE	NE	E	NNE	NE	95.8	137.1	157.2	70	460.1	2	Ci.	Cu.	6	Ci.	Cu. NE
10	NNE	NE	NNE	NNE	NNE	NNE	85.6	113.8	91.5	69.4	360.3	6	Ci.	Cu.	8	Ci.	Cu. NE
11	NNE	NNE	NE	NE	NNE	NNE	58.7	66.8	82.7	74.8	283	8	Ci.	Cu.	7	Ci.	Cu.
12	NNE	NNE	NE	NE	NE	NNE	78.9	97.4	137.8	79.1	393.2	9	Ci.	Cu.	4	Ci.	Cu.
13	NNE	NE	NE	E	NE	NE	86.4	109.2	147.1	85.3	428	10	Ci.-S.	Cu.	7	Ci.	Cu.
14	NE	NE	NNE	E	NNE	NNE	38.3	79.9	95.3	58.4	271.9	8	Ci.	Cu.	9	Ci.	Cu.
15	NE	N	NNE	N	NNE	NE	54.7	94.8	122.8	72.4	344.7	9	Ci.-S.	Cu.	7	Ci.	Cu.
16	NE	NNE	NE	NE	NE	NE	58.5	101.9	127.6	57.3	345.3	10	Ci.-S.	Cu.	8	Ci.-S.	Cu.
17	NE	NE	NE	N	NNE	NE	44.5	69.7	99.6	59.5	273.3	10	Ci.-S.	Cu.	8	A.-Cu.	Cu. NNE
18	NE	NE	NE	NE	NE	NE	54.4	66.2	87.5	37.5	245.6	9	A.-Cu.	Cu.	9	A.-Cu.	Cu.
19	NE	NE	NE	NE	NE	NNE	75.3	80.7	128.9	117.5	402.4	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
20	NE	NE	NNE	NNE	NNE	NNE	126.8	132.3	136.8	98.7	494.6	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N. N
21	NNE	NNE	NNE	NNE	N	N	88.5	124.5	154.3	88.3	455.6	10	Ci.-S.	S.-Cu. N	10	A.-Cu.	Cu.
22	NE	NE	NNE	NNE	NNE	NE	52	93.5	106.5	64.7	316.7	9	Ci.	Cu.	8	Ci.-S.	Cu.
23	NE	NE	NNE	NNE	NNE	NE	47.5	88.2	83.2	58.5	277.4	9	Ci.	Cu.	7	A.-Cu. NW	Cu.
24	NE	NE	NE	NE	NE	NE	62.2	97.4	119.9	71.3	350.8	4	Ci.-S.	Cu.	5	Ci.-S.	Cu.
25	NE	NE	NE	NNE	NNE	NE	63.6	80.7	83.9	49.3	277.5	2	Ci.	Cu.	5	Ci.	Cu.-N.
26	NE	Calm	E	SW	Calm	NE	18.7	33.3	102.5	57.3	211.8	3	Ci.	Cu.	6	Ci.	Cu.-N.
27	NE	NE	NE	E	SW	N	26.4	61.7	82.4	36.4	206.9	5	Ci.	Cu.	7	Ci.	Cu.
28	N	N	NNE	SW	Calm	NE	35.7	51.2	79.2	35.4	201.5	8	Ci.	Cu.	4	Ci.	Cu.
Mean	------	------	------	------	------	------	64.7	94.2	118.6	68.6	347.3	7.1	----------	----------	7.3	----------	----------

ILOILO.

[ϕ=10° 42′ N; λ=122° 34′ E; barometer above sea, 6 meters; gravity correction not applied, —1.84 mm.]

MARCH, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.46	60.02	61.66	58.95	58.85	60.10	23.2	21.5	29.5	28.9	27.2	25.4	31.4	21.2	90	95	62	64	75	80	------
2	59.22	60.05	60.75	58.34	58.48	60.08	22.8	22.1	29.5	29.5	26.2	24.2	31.9	21.8	93	96	58	66	78	83	0.3
3	58.96	59.47	60.82	58.30	58.75	60.49	22.8	22.1	28.5	29.8	27.4	24	30.4	22	89	91	64	55	70	83	------
4	60.09	60.17	60.83	58.60	58.87	60.58	22.5	22.3	28.9	29.5	26.9	23.5	30.2	21.9	91	90	61	56	61	83	------
5	59.81	60.47	61.67	59.35	59.42	60.69	22.5	22.2	28.8	29.6	27	23	30.3	21.4	95	84	55	55	53	76	------
6	59.83	60.18	61.25	58.83	58.50	59.77	21	21.4	28.3	30.2	27	22.5	30.6	20.5	87	86	57	35	43	75	------
7	58.96	59.41	60.85	58.37	58.46	59.97	20.2	20.1	30.2	29.5	27	22.4	30.2	19.5	87	89	52	37	50	78	------
8	59.15	59.46	60.65	58.16	58.45	59.54	21.6	21.2	29	29.9	27	23	31.3	20.8	79	84	60	57	51	83	------
9	58.67	59.07	60.75	58.27	58.48	59.71	21	20.6	29.4	31.3	26.9	23.8	32.6	19.8	86	87	58	52	74	77	------
10	58.62	58.83	59.70	56.74	57.61	59.34	21.8	21	28.9	30.6	27.7	24.8	31.8	20.7	86	88	61	52	67	77	------
11	58.16	58.21	59.82	57.09	57.85	59.27	23.2	23.7	29	31.4	25	24.6	32.1	21.1	83	82	68	62	92	95	6.1
12	58.70	59.20	60.39	58.37	59.01	60.82	23.5	23.4	30	33.2	29.3	25.8	33.5	23	97	95	67	53	59	74	------
13	60.02	60.17	61.56	58.57	58.54	60.32	24.6	24.1	30.3	32.9	29.4	26.2	33.7	23.7	85	91	61	38	56	82	------
14	59.69	59.36	60.64	57.99	57.87	59.47	24.4	23.3	29.5	31.7	28.8	25	32.3	23.2	88	91	58	39	56	83	------
15	58.44	58.60	59.79	57.30	57.37	59.44	23.8	23.8	29.5	31.8	29	25.2	32.3	23.2	89	90	64	47	51	80	------
16	58.30	58.86	59.81	57.51	58.09	59.62	23.8	23.4	30.6	32.8	29.2	26	34	23.2	86	89	62	45	62	79	------
17	58.44	58.64	60.17	57.54	59.28	59.92	24.7	23.8	30	32.1	24	23.2	32.8	23.2	86	89	65	56	83	93	16.8
18	59.14	59.46	60.34	57.96	58.65	60.05	23.5	23.2	29.2	32.4	28.2	25.6	32.7	23.2	92	93	59	52	76	83	------
19	59.54	59.64	61.06	58.66	58.52	60.34	24.2	23	30.5	30.2	27.6	25	32	22.9	80	88	62	61	73	80	------
20	59.50	60.36	61.25	58.80	58.76	60.57	23.8	23.5	29.4	30.5	28.5	25	31.7	23	85	84	59	48	62	83	------
21	59.69	60.19	61.56	59.06	59.28	60.47	24.1	23.6	30.2	31.5	28.5	25	32	23.4	86	90	58	46	66	85	------
22	59.94	60.43	61.20	59.18	59.57	60.68	24.2	23.8	30.5	30.8	28.2	25.5	32	23.5	90	91	60	47	69	81	------
23	59.98	60.62	61.31	58.85	58.80	60 28	23.8	24	29.6	31	28.5	25.5	31.8	23.6	89	88	56	49	62	83	------
24	59.69	60.19	61.31	58.98	58.80	60.75	23.8	23.6	30	31.8	28.5	25.2	32	23.3	90	91	61	47	67	77	------
25	59.80	60.34	61.16	58.50	59.16	61	23.4	23.8	30.5	31.6	29	25.5	32.1	23.2	92	90	59	48	63	81	------
26	60.14	60.96	61.86	59.19	59.78	61.56	24.2	23.2	30.5	30.5	27.4	24.8	32.1	23.2	86	90	58	59	70	83	------
27	61.08	61.14	62.27	59.89	60.48	62.21	24	23.5	29.6	32	26	24.6	32.7	23.4	85	87	61	46	76	87	------
28	60.79	60.74	61.71	59.43	59.67	61.42	23.8	23.6	30.2	31.5	27.4	25.4	32	23.4	90	90	52	49	70	77	------
29	60.22	60.07	61.47	59.28	59.70	61.22	24.4	24	29.4	31.4	29	25.5	31.7	23.6	88	90	61	50	61	77	4.3
30	60.24	60.34	60.95	59.06	59.17	60.70	23.8	23.7	29.1	29.8	27.5	25	31.3	23.4	85	85	55	56	63	82	------
31	59.10	59.01	60.15	57.81	57.30	58.92	24.2	24	28.5	29.5	28	24.8	30.8	24	86	85	64	59	63	80	------
Mean	59.46	59.80	60.93	58.48	58.76	60.30	23.3	22.9	29.6	30.9	27.7	24.7	31.9	22.5	87.5	89	59.9	51.2	65.2	81.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	27.5

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1	NE	Calm	NE	SW	NE	NE	31.9	36.5	67	42.6	178	3	Ci.-S.	Cu.	2	Ci.	Cu.
2	NE	NNE	N	NE	NE	N	32.5	59	73.8	59.3	224.6	2	Ci.-S.	Cu.	5	Ci.	Cu.-N.
3	N	N	NE	E	NE	N	58.4	80	103	68.7	310.1	3	Ci.	Cu.	3	Ci.	Cu.
4	N	NNE	NE	E	NE	NNE	64.9	108.1	145.1	80.5	398.6	2	Ci.-S.	Cu.	3	Ci.	Cu.
5	N	N	NE	E	NE	NNE	73.4	103.2	134.9	63.9	375.4	5	Ci.	Cu.	3	Ci.	Cu.
6	N	N	NE	E	NE	NE	58.9	84.5	117.5	49.6	310.5	4	Ci.	Cu.	3	Ci.	Cu.
7	NE	N	NE	E	NE	NNE	55.7	102.8	136	70.2	364.7	2	Ci.	Cu.	3	Ci.	Cu.
8	NE	N	NE	E	NE	NNE	50.5	79.4	102.4	65.2	297.5	2	Ci.	Cu.	5	Ci.	Cu.
9	N	N	N	E	E	N	44.1	65.7	88.5	61.8	260.1	3	Ci.	Cu.	3	Ci.	Cu.
10	N	N	NE	E	E	NNE	44.1	63.6	97.9	63.3	268.9	4	A.-Cu.	Cu.	3	Ci.	Cu.
11	N	NE	NE	ENE	N	N	42.4	51.3	79.2	19.6	192.5	10	Ci.-S.	Cu.	9	A.-Cu.	Cu.
12	Calm	Calm	N	E	NE	NNE	19.8	43.3	88.7	66.3	218.1	9	Ci.-S.	S.-Cu.	6	Ci.	Cu.
13	N	N	NNE	NE	NE	NNE	74.5	96.8	118.1	71.1	360.5	2	Ci.-S.	Cu.	7	A.-Cu.	Cu.
14	N	N	NE	NE	NE	NNE	68.6	102	131.7	61.8	364.1	2	Ci.	Cu.	2	Ci.	Cu.
15	N	N	NE	NE	ENE	NNE	53.9	88.7	123.7	72.2	338.5	3	Ci.	Cu.	1	----------	Cu.
16	N	N	NE	E	E	NNE	68.7	66.3	79.2	53.1	267.3	3	Ci.	Cu.	2	Ci.	Cu.
17	N	N	E	E	N	Calm	49.9	72.9	82.1	27.1	232	2	Ci.	Cu.	3	Ci.	Cu.
18	Calm	N	NE	E	SW	Calm	15.5	50.9	63.9	17.7	148	7	Ci.	Cu.	3	Ci.	Cu.
19	N	NNE	NNE	E	NE	N	36	50.4	131.5	71	288.9	4	Ci.-Cu.	Cu.	5	A.-Cu. E	Cu.
20	N	N	NE	NE	NE	N	69.5	101.7	146.9	65.8	383.9	2	Ci.	Cu.	3	----------	Cu.-N.
21	N	N	E	E	NE	N	56.8	108.4	131.5	81	377.7	1	----------	Cu.	2	----------	Cu.
22	N	N	ENE	NE	E	N	68.1	117.5	151.9	75.6	413.1	2	Ci.	Cu.	4	Ci.	Cu.
23	N	N	ENE	ENE	NNE	NNE	68.4	109.4	132.5	67.6	377.9	3	Ci.	Cu.	1	----------	Cu.
24	N	N	NE	NE	NE	NNE	44.1	87.7	129.2	77	338	2	Ci.	Cu.	2	----------	Cu.
25	N	NNE	NNE	E	NE	NNE	58.7	100.1	144.8	85.3	388.9	2	Ci.	Cu.	2	----------	Cu.
26	N	NNE	NNE	NE	NNE	NNE	67.9	88.2	108.8	81.9	346.8	2	Ci.	Cu.	6	----------	Cu. NE
27	N	NNE	NE	E	N	N	73.7	101.2	128.5	83.5	386.9	2	Ci.	Cu.	2	Ci.	Cu.
28	N	N	NE	NE	NNE	N	76.2	117.3	156.4	81	430.9	1	----------	Cu.	5	A.-Cu.	Cu.
29	N	N	NE	NE	NE	N	80.7	125.8	163	93.1	462.6	6	Ci.	Cu.	2	Ci.	Cu.
30	N	N	NE	E	N	N	95.3	141.3	156.5	82.3	475.4	9	Ci.-S.	Cu.	9	Ci.-S.	Cu.
31	N	N	NNE	ENE	N	NNE	105.4	129	119.6	59.3	413.3	9	Ci.-S.	Cu.	10	Ci.-S.	Cu.
Mean	------	------	------	------	------	------	58.3	88.2	117.2	65.1	328.8	3.6	----------	----------	3.8	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	10,193.7	----	----------	----------	----	----------	----------

ILOILO.

[ϕ=10° 42′ N; λ=122° 34′ E; barometer above sea, 6 meters; gravity correction not applied, —1.84 mm.]

APRIL, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.76	57.88	58.42	56.10	56.72	58.31	24	24.5	30.8	28	27	24.5	31.9	24	86	89	57	73	74	89	2.3
2	57.70	57.94	58.61	56.89	57.89	59.23	23.8	23.8	29.2	30.6	26.8	25.2	31.1	23.4	93	93	64	58	74	83	------
3	58.14	58.20	59.28	57.72	58.44	59.67	23.8	24	30.2	30.1	27	25.6	31.9	23.7	91	91	62	65	78	85	------
4	58.98	58.75	59.61	57.27	57.75	59.17	24.5	24.4	29.7	31.8	28.6	25.2	32.3	23.8	91	88	57	42	60	86	------
5	58.74	58.54	58.96	57.09	57.16	59.02	24.6	24	29.4	30	28.5	25.7	31.9	23.9	83	87	62	62	64	86	1
6	57.84	58.71	59.20	57.38	56.91	58.99	24.5	23.6	29.5	30.4	28	25.5	31.7	23.4	87	93	60	59	60	80	------
7	57.74	57.97	58.55	56.40	56.50	58.24	24.5	23.5	30	30.5	28.5	25.7	32.4	23.2	81	85	57	61	67	82	2.3
8	57.61	57.76	58.49	55.41	56.49	57.88	25	24.8	30.2	32	28.8	26	33.1	24	90	92	64	57	73	88	------
9	56.98	57.24	58.21	55.08	56.14	57.64	24.8	24.5	31.1	33.5	29	25.8	34.9	24.2	93	92	65	37	78	88	11.2
10	56.72	57.03	58.07	55.42	56.29	57.89	25.4	25	31	32.1	28.7	26.5	32.7	23.8	91	92	67	57	69	84	28.2
11	56.62	56.73	57.72	55.11	56.18	58.12	25	25	30.2	33	29.5	26	33.9	24.2	96	95	62	47	71	79	------
12	57.98	57.78	58.75	56.13	56.80	58.32	25.2	25.1	31.5	32.5	28.4	25.8	33.7	24.7	86	87	64	54	72	78	------
13	58.09	58.23	59.60	57.21	56.85	58.64	24.8	25.5	30.5	32.8	30	26	33.4	24.6	85	85	53	35	53	76	------
14	57.80	57.89	58.77	56.21	56.55	58.59	24.2	25	31	32.2	29.8	26.4	33.5	24.1	86	88	56	48	52	77	------
15	57.58	57.49	58.35	56.13	57.29	58.98	24.8	24.1	30.7	31.6	26.2	25	34	23.9	85	82	62	56	86	85	------
16	58.51	58.46	59.07	56.37	57.77	59.20	24	23.4	31.2	32.5	26.5	25	33.7	23	88	90	58	49	84	89	25.9
17	58.98	58.96	59.45	56.95	57.34	58.99	24.6	23.4	29.5	30.5	28.6	26.2	33.5	23.3	88	92	64	63	76	84	------
18	57.94	58.94	59.25	56.92	58.12	59.62	24.2	24.6	31	30.6	24.8	25.2	32.8	23.8	82	88	62	65	89	86	1
19	59	58.89	59.86	58.26	59.37	60.96	24.2	23.6	30.5	30	25	25.4	32.1	23.5	91	95	69	65	88	87	6.4
20	60.46	60.12	60.67	58.83	59.05	60.63	25.2	24.4	30	30.5	28.8	26.4	32	24.2	89	93	66	65	62	79	1.8
21	59.92	60.01	61.51	58.91	59.50	60.43	25	25.2	25.5	28.7	25.5	24.5	30.1	23.9	90	88	88	75	76	92	4.8
22	59.20	59.14	59.44	57.47	58.21	58.36	24.2	24.6	28.8	28	24.5	24	29.8	23.2	91	92	72	69	87	87	------
23	56.46	56.35	57.69	56.12	57.21	58.88	25	23.5	28.7	29.1	27.8	25	29.8	23.4	85	82	66	67	72	87	2.8
24	58.62	58.50	59.54	57.49	58.27	59.62	25.6	24.7	29.2	28.5	27.2	26.5	29.6	24.4	88	94	71	75	81	85	2.3
25	58.92	60	60.65	58.25	59.62	61.46	27	24.2	29.5	29.5	27.8	27.2	30.5	23.9	83	98	72	71	82	83	11.2
26	59.73	60.47	60.74	58.71	59.02	60.56	26.2	24.8	29.2	29.5	27	26.5	30.2	23.8	90	93	70	71	80	86	------
27	59.22	59.52	59.96	57.50	58.37	59.75	25.6	25.5	29.2	29.8	28.5	27.4	30.2	25.2	90	89	74	73	69	78	------
28	58.43	58.02	58.96	57.21	57.37	59	27	27.3	29.5	29.6	28.2	27.5	30.7	26	80	78	69	70	76	77	------
29	58.50	58.47	59.09	57.08	57.51	59.05	24.2	23.1	29.6	30	26.5	25.6	30.6	22.7	86	89	72	71	73	87	------
30	58.38	58.54	59.24	57.85	58.48	59.64	24.8	24.6	30	29.5	24.2	24.2	31.8	23.8	92	92	62	71	86	90	5.1
Mean	58.28	58.42	59.19	56.98	57.64	59.16	24.9	24.5	29.9	30.6	27.5	25.7	32	23.9	87.9	89.7	64.9	61	73.7	84.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	106.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1	N	NNE	NNE	N	N	N	54.5	96.9	91.7	69.5	312.6	9	A.-Cu.	Cu.	8	Ci.-S.	cu.-N.NNE
2	N	N	NNE	NNE	N	N	62	103.2	115.1	75.1	355.4	6	Ci. S	Cu.	7	Ci.	Cu.
3	N	N	NNE	N	N	N	71.1	84.8	83.9	70.8	310.6	9	Ci.-S.	Cu.	7	Ci.	Cu. NE
4	N	N	ENE	NE	NE	N	54.9	96.3	122.6	75.9	349.7	2	Ci.	Cu.	7	Ci.-S.	Cu.
5	N	N	NE	ENE	NNE	NNE	69.5	108.9	136.5	78.4	393.3	2	Ci.	Cu.	7	Ci.	Cu.
6	N	NNE	NNE	E	N	N	69.5	110.7	167.9	85.9	434	4	Ci.	Cu.	4	Ci.	Cu.
7	N	N	NNE	E	NNE	NNE	76.7	121.7	121	74.2	393.6	1	Ci.	Cu.	8	A.-Cu.	Cu. NE
8	N	N	NNE	E	N	N	71.4	95	100.6	67.9	334.9	2	Ci.	Cu.	2	Ci.	Cu.
9	N	Calm	E	E	Calm	N	37.8	55.5	58.5	65.2	217	1	Ci.	Cu.	4	Ci.	Cu.
10	N	N	NNE	E	NE	NNE	35.7	63.6	95.2	50.7	245.2	1	Ci.	Cu.	2	Ci.	Cu.
11	Calm	NE	NNE	ENE	ENE	E	31.9	66.6	44.3	23.1	165.9	1	Ci.	Cu.	3	----------	Cu.
12	Calm	E	E	E	NNE	N	19.3	50.7	80.2	62.2	212.4	7	A.-Cu. ENE	Cu.	3	Ci.	Cu.-N.
13	N	N	E	E	NE	N	61.2	90.9	110.4	89.9	352.4	2	Ci.	Cu.	2	----------	Cu.
14	N	N	NNE	ENE	E	NE	76.2	106.8	118	54.9	355.9	1	Ci.	Cu.	4	A.-Cu. E	Cu.
15	Calm	NE	NNE	W	Calm	Calm	26.9	59.8	64.1	20.7	171.5	3	A.-Cu.	Cu.	7	Ci.	Cu.-N. E
16	Calm	Calm	NE	E	NNE	E	17.1	43.8	75	36.8	172.7	2	Ci.	Cu.	5	Ci.	Cu.
17	E	Calm	E	SW	SW	NW	16.3	29	88	47.3	180.6	9	Ci.	Cu.	5	Ci.	Cu.
18	NW	NW	NW	SW	N	N	40	31.2	88.7	27.2	187.1	2	Ci.	Cu.	5	Ci.	Cu.-N.
19	Calm	Calm	NNE	SW	Calm	N	19.8	24.1	61.7	15.3	120.9	8	Ci.-S.	Cu.	10	Ci.	Cu.-N.
20	Calm	Calm	NE	ENE	NE	N	12.6	37.7	94.1	54.9	199.3	9	A.-Cu. ESE	Cu.	5	Ci.	Cu.
21	N	N	NNE	N	NW	N	42.9	68.4	46.5	45.1	202.9	8	Ci.	Cu.	10	Ci.-S.	Cu.
22	N	N	N	N	N	Calm	35.4	76.4	68.4	22	202.2	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
23	E	Calm	SW	SW	SW	SW	44.5	108.4	134.7	53.7	341.3	8	Ci.	Cu.	4	Ci.	Cu.
24	SW	Calm	SW	SW	SW	SW	32.5	69.7	117.8	80.2	300.2	3	Ci.	Cu.	4	Ci.-S.	Cu.
25	SW	SW	SW	SW	SW	SW	74.5	71	115.9	48.3	309.7	10	Ci.-S.	N.	4	Ci.	Cu.
26	Calm	Calm	SW	SW	SW	SW	14	60	111.3	54.9	240.2	4	Ci.	Cu.	8	Ci.-S.	Cu.-N.
27	SW	Calm	SW	SW	SW	SW	21.1	78.7	145.1	75.3	320.2	7	Ci.	Cu.-N. SW	3	Ci.	Cu.
28	SW	SW	SW	SW	SW	SW	70.3	119.7	133.4	66.8	390.2	4	Ci.	Cu. SW	7	Ci.-S.	Cu.
29	Calm	Calm	SW	SW	NE	NE	17.9	50.9	111	26	205.8	2	Ci.	Cu.	2	----------	Cu.
30	NE	Calm	SE	SW	Calm	Calm	11.1	32.4	68.6	14.5	126.6	3	Ci.	Cu.	8	Ci.-S.	Cu.-N.
Mean	------	------	------	------	------	------	43	73.8	99	54.4	270.1	4.7	----------	----------	5.5	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	8,104.3	----	----------	----------	----	----------	----------

ILOILO.

[ϕ=10° 42′ N; λ=122° 34′ E; barometer above sea, 6 meters; gravity correction not applied, —1.84 mm.]

MAY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.54	59.01	59.86	58.01	58.24	59.76	23.8	23	30.6	27	26.7	24.9	32	22.8	90	93	66	80	83	92	4.3
2	58.40	58.84	58.97	57.47	57.89	58.87	24.2	24	30.5	22.8	26	24.5	32.4	22.2	95	93	59	97	88	92	23.6
3	57.90	57.80	58.50	56.74	57.63	59.25	24	23.6	28.6	30.6	26.5	24	31.7	23.4	93	93	72	60	83	93	2.3
4	58.29	58.71	59.31	57.56	59.14	61.21	23.8	23.6	30	29.8	26.5	25	32.4	23.4	94	95	67	69	92	97	7.1
5	59.87	60.48	60.97	58.69	59.27	61.09	23.8	24	29.5	28.5	26.5	24.5	31.6	23.6	97	95	66	70	86	92	1.1
6	59.92	60.28	60.72	57.74	59.03	60.12	24	23.8	29.5	31.2	25.6	25.2	31.5	23.4	96	95	64	58	88	92	1.3
7	59.64	59.82	60.51	57.82	59.16	60.75	24.5	24.6	27.8	29	27.4	24.5	30	23.6	94	93	65	72	78	87	------
8	58.90	59.28	59.35	57.31	57.79	59.78	23.4	23.8	30.5	30.9	28.4	25.7	31.3	22.8	93	89	62	67	70	84	------
9	58.62	59.49	60.51	58.14	58.24	59.69	24.8	24.5	29.5	28.2	25.8	24.8	31.6	23.8	87	87	72	69	75	89	------
10	58.94	59.24	60.20	57.58	58.17	59.82	24.6	23.6	29.7	32.2	25.2	24.6	33.1	23.2	88	90	67	50	93	92	20.1
11	58.38	58.46	59.70	57.13	56.99	59.22	24.4	24.2	30.5	30.9	29.1	26.4	33.2	23.8	92	90	65	66	61	81	.5
12	58.52	58.61	58.59	56.18	57.24	58.37	25.2	25	30.5	33	28.8	26.2	33.2	24.2	88	92	66	50	71	82	------
13	57.72	58.63	58.87	56.54	57.35	58.94	25.2	25	31.4	32.1	28.5	25.9	33.5	24.7	87	87	67	56	74	85	------
14	57.18	57.37	58.63	57.66	58.13	59.08	25	25.5	30.5	28	26.5	26	32.1	24.6	88	88	66	80	84	85	7.6
15	58.34	58.04	58.67	56.88	58.98	59.27	24.5	24.2	29.8	31.2	24.5	24.5	33.1	23.8	91	93	69	55	89	92	1.8
16	58.71	58.54	59.76	57.18	57.74	59.13	23.8	23.8	29.2	31.2	28	24.8	32.1	23.2	91	89	68	64	77	88	2
17	57.69	58.11	58.84	56.22	57.39	58.68	23.6	24	30.5	32.1	27.4	25.8	33	22.9	90	88	63	51	73	81	------
18	57.15	57.53	58.30	56.10	57.10	58.59	24.8	24.2	30	30	27.8	25.6	33.7	23.6	88	91	66	66	77	83	------
19	57.27	57.64	58.46	56.02	57.15	58.73	24.5	24	30.5	31	28.4	24.2	32.1	24	92	91	59	66	72	90	14
20	57.38	57.64	58.55	56.44	57.79	59.27	24.8	24.4	30.6	31	27.2	25.4	32	23.7	89	91	62	62	81	90	------
21	58.12	58.28	58.06	56.03	57.25	58.68	24.5	24	30.5	33.2	27	26.1	34.1	23.8	94	93	59	49	81	87	3.3
22	57.08	57.36	57.54	55.83	56.49	58.17	25.2	25.2	31.5	33.7	30.5	27.6	34.1	24.2	92	92	66	56	62	79	.5
23	57.09	57.42	57.81	55.63	55.94	57.87	25.5	25.5	31.4	32.1	29.8	27	33.1	25.2	84	86	65	57	60	73	------
24	56.47	56.84	57.45	55.48	55.93	58.01	25.6	25.8	31.5	32.1	29.5	26.6	33.9	24.6	81	85	53	56	70	87	.3
25	57.65	58.12	58.64	56.60	57.67	59.04	25.8	25.5	30.5	28.5	27.4	26	33.2	24.7	87	91	60	67	78	84	------
26	58.02	58.17	59.08	57.15	57.94	59.67	25	24.8	30.2	29.6	27.1	26.5	31.5	24.4	90	91	67	70	85	85	------
27	59.04	58.83	58.90	57.03	57.09	58.90	25.2	24.5	30.4	32.8	29	27.5	33.7	24.4	87	92	63	54	78	87	------
28	58.12	58.44	58.50	56.13	56.65	58.53	26.2	26	31.5	31.5	29	26.6	34	25.2	86	85	60	62	74	86	------
29	57.49	57.65	58.21	56.12	56.62	58.43	26	25.5	29.2	30.8	29.5	27	31.7	24.8	89	92	73	67	71	86	------
30	57.28	57.53	58.32	56.07	57.04	58.99	25	25.8	31.8	31.8	28.8	25.2	32.8	24.4	97	89	61	61	76	92	16.3
31	57.98	57.81	58.45	57.44	57.35	58.98	25	24.6	31.5	28.2	28.2	26.6	33.6	24.1	92	93	63	70	80	87	.5
Mean	58.12	58.39	58.98	56.87	57.63	59.19	24.7	24.5	30.3	30.5	27.6	25.7	32.6	23.9	90.4	90.7	64.5	63.8	77.8	87.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	106.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	Calm	NNE	NW	Calm	Calm	13.7	43.3	30.3	6.7	94	7	Ci.	Cu.	10	Ci.-S.	Cu.-N.
2	Calm	Calm	NNW	SE	SSE	Calm	12.3	30.6	43.5	25.7	112.1	2	Ci.	Cu.	10	Ci.-S.	Cu.-N.
3	Calm	N	NNE	ENE	NNW	N	20.3	52.8	73.8	32.7	179.6	10	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N.
4	N	Calm	NNE	SW	Calm	NW	23.9	27.7	55	24.1	130.7	3	Ci.	Cu.	7	Ci.-S.	Cu.-N.
5	NW	Calm	N	W	W	W	22.4	27.6	40.2	28.4	118.6	2	Ci.	Cu.	9	Ci.-S.	Cu.-N.
6	W	Calm	W	SW	SE	SE	15.8	28.7	66	18.8	129.3	3	Ci.	Cu.	5	Ci.	Cu.-N.
7	Calm	Calm	SW	SW	SW	N	14.8	45.6	74.2	23.5	158.1	9	Ci.-S.	Cu.	7	Ci.-S.	Cu.
8	N	Calm	NNW	SW	Calm	NW	11.9	30.4	68.2	30.4	140.9	2	Ci.	Cu.	5	Ci. NE	Cu.
9	NW	Calm	NW	Calm	NW	NW	21.7	28.8	41.8	19.9	112.2	9	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
10	Calm	NW	ENE	ENE	Calm	Calm	14.7	37.7	49.9	19.6	121.9	9	Ci.-S.	Cu.	5	Ci.	Cu.
11	Calm	NNE	NNE	ENE	NNE	ENE	17.4	38.1	76.1	39.7	171.3	2	Ci.	Cu.	6	Ci.	Cu. NE
12	ENE	NE	NE	ENE	ENE	ENE	50.2	69	96.9	48.9	265	6	Ci.	Cu.	5	Ci.	Cu.
13	ENE	ENE	NE	ENE	ENE	Calm	44.5	71.1	115.6	37.6	268.8	6	Ci.	Cu. ENE	9	Ci.-S.	Cu.
14	ENE	ENE	ENE	NW	Calm	N	45.4	51.5	36.8	25.5	159.2	3	Ci.	Cu.	10	Ci.-S.	Cu.-N.
15	Calm	Calm	NNE	NE	Calm	Calm	12.4	42.9	43.3	12.7	111.3	3	Ci.	Cu.	8	Ci.	Cu.-N.
16	Calm	N	NNE	NNE	E	N	7.2	41.6	67.4	24.3	140.5	10	Ci.-S.	Cu.	4	Ci.	Cu.
17	Calm	NNE	NNE	NE	N	N	21.2	50.1	58.2	13.4	142.9	1	Ci.	Cu.	3	Ci.	Cu.
18	Calm	Calm	ENE	NE	Calm	Calm	11.6	40	50.9	19.1	121.6	1	Ci.	Cu.	8	Ci.-S.	Cu.-N.
19	E	E	E	SW	SW	E	16.3	29.3	52.3	30	127.9	3	Ci.	Cu.	4	----------	Cu.-N.
20	E	Calm	Calm	SW	S	S	15.5	21.7	56.1	25.1	118.4	4	Ci.	Cu.	5	Ci.	Cu.-N.
21	S	Calm	S	SSE	Calm	NNE	12.4	31.4	52.3	20.6	116.7	2	Ci.	Cu.	5	Ci.	Cu.-N.
22	NNE	NNE	NNE	ENE	ENE	ENE	29.2	59.5	81.3	41.5	211.5	1	Ci.	Cu.	3	----------	Cu.-N.
23	Calm	N	NNE	ENE	NE	NE	21.5	64.2	85.9	21.5	193.1	8	Ci.-S.	Cu.	4	Ci.	Cu.
24	NE	NE	NNE	SW	SW	Calm	37.3	41.2	67	21.5	167	4	Ci.	Cu.	3	----------	Cu.
25	SW	Calm	SW	SW	Calm	Calm	18.8	32.2	45.9	11.6	108.5	8	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N.
26	Calm	Calm	W	SW	N	E	10.7	35.4	58.9	26.6	131.6	2	Ci.	Cu.	7	Ci.-S.	Cu.
27	Calm	E	E	E	Calm	Calm	16.7	29.5	44	9.5	99.7	10	Ci.-S.	Cu.	8	Ci.-S.	Cu.
28	SW	Calm	SE	SW	SW	SW	18.8	34.3	88.2	36.5	117.8	7	Ci.	Cu.	3	Ci.	Cu.
29	SW	Calm	SW	SW	SW	N	16.6	57.1	102.7	38	214.4	5	Ci.	Cu.	7	Ci.	Cu.
30	Calm	Calm	N	SW	SW	NE	14	23.5	70	31.7	139.2	1	Ci.	Cu.	7	Ci.-S.	Cu.
31	Calm	NE	NE	S	SSE	SE	13.5	29.8	35.6	17.2	96.1	2	Ci.	Cu.	10	Ci.-S.	Cu.-N.ENE
Mean	------	------	------	------	------	------	20.1	40.2	62.2	25.2	147.7	4.7	----------	----------	6.6	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	4,579.9	----	----------	----------	----	----------	----------

ILOILO.

[ϕ=10° 42′ N; λ=122° 34′ E; barometer above sea, 6 meters; gravity correction not applied, —1.84 mm.]

JUNE, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1	58.47	58.56	59.20	57.03	58.07	59.53	25.8	25.2	30	31.2	27.1	25.5	32.7	25	87	90	75	62	80	88	0.5
2	59.24	59.65	60.72	58.42	58.72	59.60	24.2	24.6	29.5	28.4	26.8	25.5	31	24	94	91	65	77	86	88	14.2
3	58.71	59.39	59.99	58.41	59.70	61.17	24.5	24.8	30.1	25.2	24	24.2	32.6	23.1	96	93	67	85	90	88	12.5
4	59.46	59.31	59.79	58.26	58.81	59.92	23.5	23.8	29.9	30	27.5	25.6	32.1	23.2	92	90	71	68	77	90	3.3
5	59	58.90	58.95	56.85	57.66	59.39	24.2	24	29	30.5	28.9	25.6	31.4	23.7	93	91	76	59	68	87	------
6	58.11	58.10	58.37	56.57	57.09	58.59	24.1	24	30.5	30.5	28.2	26.6	32.1	23.3	95	91	65	65	78	85	------
7	57.51	58.11	58.89	56.40	57.12	58.91	25	24.8	30	33.6	29.5	27.2	34.1	23.9	90	89	67	44	68	86	------
8	57.64	57.80	58.45	57.07	57.18	59.19	24.5	24.8	30.5	27.8	27.8	26	31.3	24.1	89	89	68	77	82	92	6.4
9	57.94	58.46	59.31	57.58	58.02	60.06	24.6	25	30	30.6	28.8	27	31.5	24.3	97	96	69	62	76	87	------
10	58.85	59.39	60.24	57.85	58.57	59.70	25.8	25.2	29.5	32	25.7	23.5	34.5	23.1	90	92	71	63	89	97	25.9
11	58.48	58.81	59.60	57.23	57.85	58.89	23.5	24.5	30.5	31.5	28	26.2	32.9	23	96	96	68	66	85	87	4.1
12	57.89	58.36	58.95	57.70	57.72	59.07	25.4	25.4	30.8	27.5	27.5	26	31.5	24.5	93	92	65	81	84	95	4.9
13	58.15	58.53	59.32	58.17	59.05	61.05	25.8	25.6	28.5	27.6	27	25.5	29.6	24.2	95	90	74	74	83	86	28.2
14	59.68	59.87	60.36	59.02	58.76	60.55	25	25	29	30	28.5	27.8	30.7	25	93	92	68	68	78	77	1.8
15	59.80	60	60.44	58.41	58.70	59.77	26	26	29.7	30	28.9	28	30.6	24.9	84	85	67	69	75	74	------
16	58.73	58.56	59.55	58.32	57.87	59.27	27.8	26.6	27.5	27	27.4	25.8	29.3	25.2	77	80	74	80	77	82	1.6
17	56.27	56.39	56.79	55.84	56.50	58.28	27	27.3	29.6	30.3	27.5	25	31.6	24.8	78	74	64	58	69	83	22.4
18	56.12	56.40	57.76	56.09	57.23	58.69	25.8	24.9	25	27.4	24.5	25.8	27.7	22.1	85	87	84	78	79	81	40.4
19	57.48	57.55	59.01	57.78	58.63	58.65	25	25.1	23.3	26	22.4	23.5	28	22.1	85	84	97	84	98	94	47.7
20	58.10	58.09	59.86	57.15	57.86	59.73	24.2	24.6	25.9	28	27	26	28.6	23.4	95	95	85	74	77	87	3.3
21	58.90	59.73	60.07	58.14	58.99	60.30	24	24	29.3	30.3	28.2	25.5	31.6	23.5	93	91	68	68	72	80	------
22	59.66	60.46	61.30	59.71	60.06	61.70	24.2	23.3	29.5	30.3	27.7	26.2	30.9	23	85	90	69	63	82	87	------
23	60.58	60.74	61.19	59.31	59.61	61	24.2	23.5	29.6	28.5	26.1	25	31.3	23.1	90	89	70	86	91	95	.8
24	59.30	59.49	59.96	57.74	58.26	58.94	24	23.3	30.1	29.3	27	24.5	31.6	23	97	94	70	75	83	91	------
25	57.76	57.59	58.61	56.56	56.80	58.99	24.6	24.1	29.3	29.2	27	25.5	30.5	23.7	95	96	70	77	84	91	22.6
26	58.69	58.48	58.30	56.97	57.57	58.72	22.9	24.5	27.5	28.8	28	26.6	29.5	22.2	98	92	75	72	70	84	------
27	57.65	57.78	58.91	57.53	57.57	58.89	26	26	26.1	27.5	26.7	26	28.4	24.6	79	88	87	78	83	87	1.3
28	58.14	58.43	58.78	56.99	57.25	58.44	25.8	25.7	29.1	27.8	27.6	25	29.7	24.3	90	90	74	82	76	92	------
29	57.40	57.90	58.02	56.71	56.17	56.44	24.1	23.7	30.3	26.7	27.5	26.8	30.7	23.1	91	91	70	85	81	80	1.6
30	55.44	55.78	56.34	55.45	55.71	55.96	25.4	24	26.9	25.5	24.7	24.8	27.1	23.6	85	91	78	85	92	87	10.4
Mean	58.31	58.55	59.23	57.51	57.97	59.31	24.9	24.8	28.9	29	27.1	25.7	30.9	23.7	90.2	90	72.4	71.5	80.4	86.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	253.9

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SE	SE	SE	SW	Calm	NW	37.5	29.5	48.3	33.3	148.6	6	Ci.	Cu.	7	A.-Cu.ESE	Cu.
2	N	Calm	N	WSW	SW	Calm	22.5	25.5	55.8	16.1	119.9	9	Ci.-S.	Cu.	10	Ci.-S.	Cu.
3	Calm	Calm	E	NW	Calm	Calm	7.8	39.9	53.9	8.7	110.3	2	Ci.	Cu.	10	Ci.-S.	Cu.-N.
4	W	Calm	NNE	N	NNE	Calm	25.2	49.9	79.4	36.2	190.7	5	Ci.	Cu.	8	Ci.-S.	Cu.
5	NNE	NNE	NNE	ENE	ENE	ENE	27.4	62.2	84.2	35.7	209.5	8	C.-S.	Cu.	7	Ci.-S.	Cu.
6	Calm	N	NNE	ENE	N	N	41.6	76.6	82.3	41.2	241.7	5	Ci.	Cu.	8	Ci.-S.	Cu.
7	Calm	Calm	NNE	NE	SW	W	26.6	48.9	54.4	46.5	176.4	2	Ci.	Cu.	3	Ci.	Cu.
8	Calm	Calm	Calm	WSW	Calm	Calm	18.3	24.6	41.3	19.6	103.8	9	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N.
9	Calm	Calm	SSE	SW	SW	SW	10.3	36.5	78.4	26.9	152.1	3	Ci.	Cu.	5	Ci.	Cu.
10	Calm	Calm	S	E	Calm	E	17.7	25.1	49.9	32.4	125.1	3	Ci.	Cu.	7	Ci.-S.	Cu.-N.
11	ENE	E	ENE	ENE	Calm	ENE	25.1	53.6	64.4	32	175.1	7	Ci.	Cu.	7	Ci.-S.	Cu. NE
12	NE	NE	NNE	Calm	Calm	Calm	38	39.2	19.9	5.1	102.2	9	Ci.	Cu.	10	Ci.-S.	Cu.-N.
13	Calm	SW	WSW	SW	SW	SW	25.5	81.9	124.7	67.9	300	10	Ci.-S.	Cu.-N. SW	4	A.-Cu.	Cu.
14	Calm	Calm	SW	SW	SW	SW	10.2	83.9	110.4	54.1	258.6	9	A.-Cu.	Cu.	5	A.-Cu. SW	Cu.
15	SW	SW	SW	SW	SW	SW	35.1	110.5	140.8	82.9	369.3	7	A.-Cu.	Cu.	4	Ci.	Cu.
16	SW	SW	W	WSW	SW	WSW	68.6	95.5	128.5	115.9	408.5	8	Ci.	Cu.-N. SW	10	Ci.-S.	Cu.
17	WSW	SW	SW	W	W	W	115.9	118.3	105.4	60.4	400	7	Ci.	Cu.	9	Ci.-S.	Cu.
18	SW	SW	SW	SW	WSW	SW	78.1	114.5	99.5	99	391.1	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.
19	SW	SW	SW	SW	W	W	52.5	59	57.9	16.7	186.1	9	Ci.-S.	Cu.	9	Ci.-S.	Cu.
20	Calm	Calm	SW	SW	SW	SW	16.4	74.2	68.7	18.3	177.6	8	Ci.-S.	Cu.	9	Ci.-S.	Cu.
21	Calm	Calm	Calm	SW	SW	SW	10.7	15.8	66	32.5	125	10	A.-Cu.	Cu.	7	A.-Cu.	Cu.
22	Calm	Calm	SW	SW	SW	Calm	10.7	32.8	51.8	15.6	110.9	7	Ci.	Cu.	5	Ci.	Cu.
23	SW	SW	SW	SW	SW	SW	15	30.9	54.7	24.9	125.5	5	Ci.	Cu.	8	Ci.-S.	Cu.-N.
24	Calm	Calm	Calm	SW	Calm	SW	13.9	24.4	74.8	28.4	141.5	8	Ci.	Cu.	8	Ci.	Cu.
25	SW	Calm	SW	SW	SW	Calm	16.7	66.2	128.1	53.1	264.1	10	Ci.-S.	Cu.	8	Ci.	Cu. SW
26	SW	SW	SW	SW	SW	SW	72.1	80.2	130.2	65.2	347.7	10	Ci.-S.	Cu.	8	Ci.	Cu.
27	SW	SW	SW	SW	SW	SW	66.6	102.8	104.1	38.1	311.6	9	Ci.-S.	Cu.-N.	7	Ci.	Cu.
28	SW	Calm	SW	SW	SW	SW	20.1	94.3	115.1	44.3	273.8	7	A.-Cu.	Cu.	8	A.-Cu.	Cu.
29	Calm	Calm	SW	W	W	SW	8.9	42.6	81.9	42	175.4	8	Ci.	Cu.	10	Ci.-S.	Cu.-N.
30	SW	Calm	SW	SW	SW	SW	17.5	52.1	122.6	123.4	315.6	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
Mean	------	------	------	------	------	------	31.8	59.7	82.6	43.9	217.9	7.3	------	------	7.7	------	------
Total	------	------	------	------	------	------	------	------	------	------	6,537.7	----	------	------	----	------	------

ILOILO.

[ϕ=10° 42′ N; λ=122° 34′ E; barometer above sea, 6 meters; gravity correction not applied, —1.84 mm.]

JULY, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	55.68	55.83	56.31	55.64	56.54	57.93	25.6	24	24.7	23.3	25	24.8	26.6	23	81	89	94	98	88	92	69.1
2	57.29	57.44	59.35	58.23	58.64	60.22	25.5	26.5	23.9	26.2	26.2	25.5	28.9	22.9	91	85	96	82	82	91	6.9
3	58.64	59.14	59.56	57.39	58.76	59.57	24.8	24.2	29.5	31.7	28.2	26.4	32.5	23.4	92	96	69	51	77	84	------
4	58.91	59.19	59.24	57.34	57.86	59.39	25.2	25	29.2	31	29	26.2	32.6	24.2	87	88	74	59	72	79	19.8
5	58.89	59.75	59.08	57.73	57.86	59.57	24.4	23.5	25.6	29	27.7	25.8	29.6	23.1	88	91	84	70	77	89	2.5
6	58.30	58.26	59.02	56.84	57.24	59	24	23.7	28.4	30.6	28.6	26.2	31.2	23.3	93	94	74	62	73	86	------
7	57.94	58.16	58.82	56.67	58.06	60.01	25.2	24.5	29.5	31	27.6	24.6	32	24.1	87	92	72	69	80	91	4.8
8	58.54	58.41	59.49	57.82	57.90	59.61	24.8	24	27.7	28.5	27.7	25.5	29.5	23.7	92	96	80	75	81	92	.8
9	58.34	58.40	59.24	57.86	57.99	59.77	24.8	24.8	29	29.5	28	27.8	30.1	24.2	92	93	74	65	74	75	------
10	58.59	58.32	59.45	58.35	58.33	59.85	27.2	27.5	29.2	30	28	27.5	30.7	26.4	81	81	76	68	77	81	------
11	58.83	58.88	59.88	57.50	58.60	59.57	27.2	27.3	29.1	28	27.5	25.6	30.2	24.4	75	77	73	78	83	79	------
12	58.75	58.77	58.97	57.89	57.55	59.10	26.6	26.3	27.1	28	26.2	25	29	23	78	76	77	74	78	83	15.2
13	57.26	58.11	57.55	56.64	56.02	57.39	24	23.2	24.7	25.4	26.1	27.2	27.5	22.4	90	94	80	88	76	74	14
14	55.89	55.99	56.11	55.27	55.27	57.44	26.9	27.3	28.7	21.7	28.2	26	29	21.6	70	73	77	99	76	76	32.8
15	56.12	56.01	56.94	55.82	56.81	57.85	28	28	28.9	29.1	28.4	28	29.7	23.4	79	78	79	78	77	82	12.2
16	56.93	57.10	58.46	56.13	56.61	58.42	27.4	26.5	27.5	28.2	27.1	26.8	28.8	23.2	80	92	81	76	83	87	24.6
17	57.12	57.51	58.27	56.90	57.21	58.43	27	26.3	27.1	29	27.7	24	29.3	22.8	86	83	87	75	77	91	33.9
18	58.28	57.53	57.74	56.34	57.07	58.40	25.6	25.5	26.9	28.6	25.3	25.8	28.8	24.2	79	84	73	73	87	84	1.3
19	56.85	57.14	57.66	56.61	57.18	58.69	26	24.1	27.2	26.2	25.8	26.2	28.6	23.8	81	89	76	82	81	78	.5
20	56.62	56.87	58.15	56.72	57.33	59.18	26.5	26.3	27.8	28.8	26.3	23.8	29.4	22.8	74	79	74	74	86	93	26.9
21	57.24	56.78	57.17	55.69	55.74	57.29	24.5	25	26.5	29	24.3	26	29.2	23.4	87	89	86	76	97	89	46.5
22	55.74	55.32	56.20	54.80	54.54	56.34	25	26.8	27.9	28.5	27.4	26.3	29.1	23.4	97	86	85	85	84	85	49.2
23	55.55	55.31	56.27	54.40	55.09	56.19	26.8	25.5	27.2	27	26.5	26.5	28.7	23.6	83	89	84	86	84	86	133.6
24	54.72	56.46	56.47	54.83	55.63	56.85	26.5	23	27	28	26	24	28.4	21	88	99	88	85	86	95	130.9
25	55.98	55.74	55.84	55.06	55.91	56.98	25.5	26	28.4	28.5	27.1	27.5	29.2	23.8	88	89	79	81	80	81	4.8
26	56.14	56.14	56.23	55.27	56.17	57.98	25.1	26	26.5	28.7	27.4	27	29	23.1	88	85	95	80	84	87	54.2
27	57.56	57.51	57.95	56.87	57.77	58.80	24.2	25.3	28	28.3	27.3	27.2	29.6	23.4	93	89	83	82	88	90	.8
28	58.12	57.35	58.73	57.42	57.37	58.30	26.5	24.8	27.4	27.6	26.3	25.8	30	24.6	82	96	82	81	82	90	.3
29	57.20	57.14	57.49	56.31	56.63	57.82	24.4	24.4	27.5	27.9	24.3	25.5	30.2	23.9	97	97	81	71	97	88	22.3
30	57	56.95	57.58	56.57	56.81	57.92	25	25.7	27	26.7	26.5	25.2	27.8	23.8	88	86	75	82	83	90	1
31	56.96	56.83	57.62	56.35	55.99	57.67	24.5	25	24	24.5	27	26	27.8	23	87	90	96	96	85	90	49.6
Mean	57.29	57.37	57.96	56.56	56.98	58.44	25.6	25.4	27.4	28	26.9	26	29.5	23.4	85.6	87.9	80.8	77.3	81.8	85.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	758.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	W	SW	SW	SW	SW	109.7	74	104.3	125.8	413.8	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
2	SW	SW	SW	SW	SW	Calm	111.6	102	66.6	17.2	297.4	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu. SW
3	Calm	Calm	W	W	SW	Calm	8.5	21.4	46.7	20.7	97.3	9	A.-Cu.	Cu.	5	Ci.	Cu.
4	Calm	NNW	NNW	NNE	NNE	NNE	19	45.4	57.3	27.6	149.3	8	Ci.	Cu.	8	Ci.	Cu.
5	NNE	NE	E	NNE	NNE	NE	60.9	71.8	63.1	21.7	217.5	10	Ci-S.	Cu.-N.	9	Ci.-S.	Cu.
6	Calm	NE	NNE	E	NE	NE	19.5	70.8	79.1	31.4	200.8	4	Ci.	Cu.	8	A.-Cu.	Cu.
7	NE	NE	NNE	SW	SW	W	28.8	45.4	75.4	45.9	195.5	5	Ci.	Cu.	8	Ci.	Cu.-N.
8	Calm	Calm	W	SW	SW	Calm	16.3	46.1	107.5	38.3	208.2	7	Ci.	Cu.	9	Ci.	Cu.
9	SW	Calm	SW	SW	SW	SW	13.5	61.5	130.9	84.3	290.2	10	Ci.-S.	Cu.-N.	8	Ci.	Cu.
10	SW	SW	SW	SW	SW	SW	79.9	100.3	132	95.8	408	9	Ci.	Cu.	7	Ci.	Cu.
11	WSW	SW	SW	SW	SW	W	81.6	78.9	134.6	88.3	383.4	8	Ci.	Cu.	9	Ci.	Cu. SW
12	SW	SW	SW	W	W	W	126.8	57.4	45.7	109.1	339	10	Ci.-S.	Cu.	8	Ci.-S.	Cu.
13	SW	W	SW	SW	SW	SW	89.3	68.1	118	153.9	429.3	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.
14	WSW	SW	SW	SW	SW	WSW	145.4	194.9	200.6	145.4	686.3	10	Ci.-S.	Cu.-N. SW	10	Ci.-S.	Cu.-N.
15	SW	SW	SW	SW	SW	SW	229.5	226.3	192.8	180.5	829.1	9	Ci.-S.	Cu.-N. SW	8	Ci.	Cu. SW
16	SW	SW	SW	SW	SW	SW	187.7	184.8	159.5	132.5	664.5	10	Ci.-S.	Cu.-N. SW	8	Ci.	Cu. SW
17	SW	SW	SW	SW	SW	SW	108.1	123.3	127.6	110.2	469.2	10	Ci.-S.	Cu.-N. SW	6	Ci.	Cu. SW
18	SW	SW	SW	SW	SW	SW	89.5	97.6	114.8	141.9	443.8	8	A.-Cu.	Cu. SW	9	Ci.	Cu. SW
19	SW	SW	SW	SW	SW	SW	81	63.1	95.2	78.9	318.2	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
20	SW	SW	SW	SW	SW	W	51	64.7	110.8	50.7	277.2	10	Ci.-S.	Cu.	7	A.-Cu.	Cu.
21	SW	SW	SW	SW	SW	SW	64.6	85	127.7	49.9	327.2	10	Ci.	Cu.	8	Ci.	Cu.
22	WSW	SW	SW	SW	SW	SW	83.5	125.3	133.9	119.4	462.1	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N. SW
23	SW	SW	SW	SW	SW	SW	113.5	147.8	193.8	129.3	584.4	10	Ci.-S.	Cu.-N. SW	10	Ci.-S.	Cu.-N. SW
24	SW	SW	SW	SW	SW	W	126.5	92.2	184.5	119.7	522.9	10	Ci.-S.	N.	10	Ci.-S.	Cu.
25	SW	SW	SW	SW	SW	SW	165.7	181.2	172.2	155.3	674.4	10	Ci.-S.	Cu. SW	9	Ci.	Cu. SW
26	SW	SW	SW	SW	SW	SW	92.5	100	142.9	56.3	391.7	10	Ci.	S.-Cu. SW	9	Ci.	Cu.
27	SW	SW	SW	SW	SW	SW	60.2	80.3	97.4	83.1	321	9	Ci.	Cu.	9	Ci.-S.	Cu. NW
28	SW	Calm	Calm	SW	SW	Calm	37.3	12.3	68.1	41.6	159.3	10	Ci.	Cu.	10	Ci.-S.	Cu. N
29	SW	Calm	Calm	SW	Calm	SW	16.9	18.8	45.9	95.6	177.2	10	Ci.	Cu.	10	Ci.-S.	Cu.
30	SW	SW	SW	SW	SW	SW	105.9	116.9	143.4	151.5	517.7	10	Ci.	Cu. SW	10	Ci.-S.	Cu.
31	SW	SW	SW	SW	SW	SW	121.2	115.7	136.8	102.5	476.2	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N.
Mean	------	------	------	------	------	------	85.3	92.7	116.4	90.5	384.9	9.2	----------	----------	8.6	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	11,932.1	----	----------	----------	----	----------	----------

ILOILO.

[ϕ=10° 42′ N; λ=122° 34′ E; barometer above sea, 6 meters; gravity correction not applied, —1.84 mm.]

AUGUST, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	56.72	56.48	57.01	56.24	56.68	58.28	26.5	25.4	28.3	28	27.4	27	28.9	23	92	92	78	80	85	89	1.8
2	57.35	57.41	57.81	56.46	56.74	58.62	26.2	27	27.2	28.7	26.4	25.8	29	24	82	84	87	75	87	87	7.9
3	57.72	57.11	57.88	56.62	56.85	58.78	26.2	27	28	25.5	27.7	27	29.1	23.5	84	83	85	99	80	84	20.3
4	57.82	57.26	58.11	56.54	56.93	58.01	26.2	26.5	28.4	28.5	27.7	27.2	29.5	25.2	90	90	80	82	84	86	------
5	57.13	57.09	57.87	56.77	57	58.72	27	26.6	28.5	29.3	27.7	27	29.7	26.5	86	87	78	77	84	86	------
6	57.59	57.74	58.87	56.90	57.20	58.91	26.6	25.5	28.3	29.5	27.6	24.5	29.8	24.2	89	93	81	75	84	92	------
7	57.86	57.65	58.51	56.80	56.88	58.11	24.5	27	29	29.3	27.7	26.1	30.1	23.8	89	83	75	74	77	87	1
8	57.46	56.50	56.90	55.44	55.46	56.80	24.8	25.8	28.6	28.7	27.7	27.5	30	24.1	91	84	68	78	82	78	------
9	55.81	55.77	56.32	55.09	55.11	56.24	27	27	29.3	29.1	28	27.4	29.8	26.4	84	75	72	75	78	81	.5
10	54.99	54.81	55.67	55.38	55.84	56.65	26.8	26.7	26.7	24.2	23.5	24	27.8	22	84	86	80	92	96	87	21.3
11	55.84	56	56.85	55.72	55.99	57.64	25.5	24	28	27.5	26.1	24.5	28.9	23.2	84	81	79	78	92	87	18.6
12	57.19	56.53	58.05	56.61	57.54	58.40	25	25.1	24	27.1	23.7	24.2	28	23.2	88	86	96	84	90	86	22.1
13	57.74	57.24	57.68	55.98	56.63	58.14	24	24.6	26.6	27.3	25.6	23.2	27.8	22.3	88	88	83	84	87	95	34.9
14	57.06	56.87	58.59	57.33	57.80	59.52	23.5	26.3	24.6	27	26.2	25.5	27.6	22	96	87	87	77	76	86	42.5
15	59.01	60.19	59.66	58.42	58.82	60.37	24	23.5	26.4	27.7	26.7	26.5	28.4	22.3	90	94	82	76	85	86	.5
16	59.64	59.52	59.87	58.32	59.10	60.40	25.2	25.5	28.5	29.3	27.4	26.5	29.5	24.9	95	93	79	72	82	86	------
17	58.92	59.30	59.54	57.22	57.97	59.18	26.5	23.8	27.7	28.5	27	27	29.5	23.3	86	90	80	75	84	83	------
18	57.15	57.04	58.10	56.45	56.97	58.44	26.6	26.6	27.2	27.3	27.6	24	28.3	23.4	83	80	83	73	73	91	3
19	56.82	57.17	58.03	57.01	57.19	58.40	24	26	28.2	27.5	26.5	25.2	29.3	23.6	87	74	67	68	78	83	.3
20	57.22	57.74	57.98	56.64	57.14	58.82	26.2	26.3	26.6	28	25.5	25.2	28.8	24.7	78	78	80	70	80	85	------
21	57.68	57.69	58.71	57.50	56.97	58.47	25.6	25.5	27.4	23.7	25.5	25.5	29	23.1	75	84	81	88	85	88	7.7
22	57.24	57.30	57.36	55.82	56.64	58.22	25	25.4	27.5	28.5	24.8	24.8	29.1	23.4	87	80	76	74	88	81	5.1
23	56.92	56.63	57.79	55.82	56.15	57.72	26	25.7	26.6	26.7	26	26.5	27.8	24	73	78	77	77	74	73	7.4
24	56.89	56.30	57.13	54.81	54.93	56.82	24	23.9	27	29	26.7	25.4	29.4	22.6	86	88	74	64	67	77	8.1
25	55.74	55.28	56.19	54.67	54.35	55.85	25.2	26.5	28	28.5	27.4	26.5	29	24.3	82	86	81	78	81	82	10.9
26	54.92	55.37	56.30	55.16	55.47	57.12	26	25	26.9	26.4	26.4	25.5	28.6	23.2	84	90	85	86	79	89	12.5
27	56.02	56.67	57.78	56.48	57.41	59.50	26.2	26.1	24.1	28.4	26.4	25.6	28.8	23.2	87	85	99	78	81	89	7.6
28	58.33	58.28	59.11	58.05	58.11	59.68	25.5	26	28.5	29	27.5	27	29.5	25.2	90	86	81	78	81	84	------
29	58.19	58.27	58.88	57.06	56.97	58.64	26.6	26.7	28.1	29.2	27.5	27	29.5	25.9	89	83	75	74	84	84	------
30	57.39	57.02	58.26	56.57	57.16	58.81	26.8	27	28.6	28.6	27.6	27.2	29.6	26.4	86	82	76	79	83	86	------
31	57.63	57.39	58.42	56.83	58.02	59.80	27.2	27	28.3	29	27.6	27.4	29.7	26.2	87	89	82	78	83	81	1.3
Mean	57.23	57.15	57.91	56.47	56.84	58.36	25.7	25.8	27.5	27.9	26.7	25.9	29	24	86.2	85.1	80.2	78	82.3	85.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	235.3

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1	SW	SW	SW	SW	SW	SW	140.2	161	179.9	114.1	595.2	9	Ci.-S.	S.-Cu. SW	9	Ci.	Cu. SW
2	SW	SW	SW	SW	W	WSW	140.3	158.2	165.5	86.1	550.1	10	Ci.-S.	S.-Cu. SW	8	Ci.	Cu. SW
3	SW	SW	SW	W	SW	SW	118	138.7	154.7	76.2	487.6	9	Ci.	Cu. SW	10	Ci.-S.	S.-Cu. SW
4	SW	SW	SW	SW	SW	SW	62.6	110	148.1	106.2	426.9	9	A.-Cu.	Cu. SW	9	Ci.	Cu. SW
5	SW	SW	SW	SW	SW	SW	71.9	82.6	-----	97.6	-------	9	Ci.	S.-Cu.	8	Ci.	Cu. SW
6	SW	Calm	SW	SW	SW	Calm	-----	77.9	122.5	14.5	-------	8	Ci.	Cu.	7	Ci.	Cu.
7	W	SW	SW	SW	SW	Calm	53.4	142.1	133.8	13.9	343.2	8	A.-Cu.	Cu.	9	A.-Cu.	Cu.
8	Calm	SW	SW	SW	SW	SW	6.7	87.5	163.5	89.9	347.6	8	A.-Cu.	Cu.	9	A.-Cu.	Cu.
9	SW	SW	SW	SW	SW	SW	126.6	172.2	190	120.7	609.5	6	Ci.	Cu.	8	Ci.	Cu. SW
10	SW	SW	SW	W	SW	SW	137.8	137.4	98.5	108.3	482	9	A.-Cu.	Cu. SW	10	Ci.-S.	Cu.
11	SW	SW	SW	SW	S	SW	118	139	113.3	102.2	472.5	10	Ci.-S.	Cu.-N. SW	9	Ci.-S.	Cu.
12	SW	W	SW	SW	SW	SW	93.6	116.1	84.7	89.8	384.2?	9	Ci.	Cu.	10	Ci.-S.	Cu.
13	Calm	SW	SW	SW	Calm	SW	52.6	120.1	119.6	91.2	383.5?	9	Ci.-S.	Cu.	9	Ci.-S.	Cu.
14	SW	SW	SW	SW	SW	SW	60.7	144	-----	-----	-------	9	Ci.	Cu.	10	Ci.-S.	Cu.
15	W	SW	SW	SW	SW	SW	-----	-----	-----	-----	-------	10	Ci.-S.	S.-Cu.	5	Ci.	Cu.
16	SW	SW	SW	SW	SW	SW	-----	-----	-----	-----	-------	4	Ci.	Cu. SW	6	Ci.	Cu.
17	Calm	Calm	SW	SW	SW	SW	-----	-----	-----	-----	-------	8	Ci.-S.	Cu.	9	A.-Cu.	Cu.
18	SW	SW	SW	SW	SW	N	-----	-----	-----	-----	-------	9	A.-Cu.	Cu.	10	Ci.-S.	Cu.
19	E	SW	Calm	SW	SW	SW	-----	-----	-----	-----	-------	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
20	SW	SW	SW	SW	SW	SW	-----	-----	-----	-----	-------	9	A.-Cu. W	Cu.	9	A.-Cu.	Cu. W
21	SW	SW	SW	SW	SW	SW	-----	-----	-----	-----	-------	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
22	SW	SW	SW	SW	N	WSW	-----	-----	-----	-----	-------	9	Ci.	Cu.	9	Ci.	Cu.
23	WSW	SW	SW	SW	SW	SW	100.3	87.7	106.2	85.5	379.7	9	Ci.	Cu.	10	Ci.-S.	Cu.
24	SW	SW	SW	SW	SW	SW	129.5	93.8	87.5	123.6	434.4	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
25	SW	SW	SW	SW	SW	SW	151.6	217.2	215.1	176.4	760.3	10	Ci.-S.	Cu.	7	Ci.	Cu. SW
26	SW	W	SW	SW	SW	SW	158.3	155.5	187.5	144.5	645.8	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
27	SW	SW	SW	SW	SW	Calm	43.1	-----	-----	-----	-------	9	Ci.-S.	S.-Cu.	8	Ci.	Cu.
28	W	W	SW	SW	SW	SW	74.6	113	137.9	99.8	425.3	5	Ci.	Cu.	4	Ci.	Cu.
29	SW	SW	SW	SW	SW	SW	128.5	131.5	153.4	136.5	549.9	7	Ci.	Cu.	4	Ci.	Cu.
30	SW	SW	SW	SW	SW	SW	90.7	157	171.1	124.2	543	9	Ci.	S.-Cu.	8	Ci.	Cu.
31	SW	SW	SW	SW	SW	SW	-----	144	171.9	108	-------	10	Ci.-S.	S.-Cu.	8	Ci.	Cu.
Mean	------	------	------	------	------	------	98	131.2	145.2	100.4	490	8.7	----------	----------	8.5	----------	----------

ILOILO.

[ϕ=10° 42′ N; λ=122° 34′ E; barometer above sea, 6 meters; gravity correction not applied, —1.84 mm.]

SEPTEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.29	58.88	59.56	57.99	58.55	60.26	26.8	27	28.6	29.3	27.3	26.5	30	25.9	84	84	78	76	86	86	------
2	58.75	59.20	59.42	57.30	57.51	59.47	25.5	25.7	28.5	29	28	27	30	25.4	88	90	75	77	74	81	------
3	58.44	58.56	58.67	57.05	57.46	59.61	24.3	22.8	28.3	29	27.7	27.2	29.9	22.4	92	97	79	81	79	81	------
4	58.80	58.86	59.49	57.31	58.34	59.81	24.2	23.4	28.7	30	25.7	23.8	30.5	23	90	92	74	69	75	85	------
5	58.46	58.69	59.73	57.53	58.03	59.69	23	22.7	29.5	29.8	25.4	24.5	30.6	22.3	91	91	70	77	78	84	------
6	58.42	58.16	59.40	57.43	58.45	59.74	23.4	22.9	28.5	29	25.7	25	30	22.8	90	90	74	78	89	90	0.3
7	58.50	58.61	59.89	57.23	57.95	59.40	24.5	23.7	28.9	29	23.5	23.8	31.2	21	92	97	80	71	92	90	33
8	58.36	58.42	58.51	56.26	56.69	58.43	23.4	23.2	27.4	31	24.8	25	31.3	22.8	93	95	74	56	90	88	2.8
9	57.24	56.99	58.01	55.94	57.21	58.79	24.5	23.4	29	30	26.7	26	32.5	23.2	89	93	71	68	86	89	2.8
10	57.58	57.65	58.75	57.87	58.48	59.74	24.5	23.6	30.3	26.6	26.4	25	31.1	23.5	91	90	73	87	89	90	3.6
11	58.60	58.73	59.67	57.91	58.97	60.22	24.2	23.7	28.2	29	24.3	23.8	29.7	23	95	97	77	75	91	95	49.8
12	58.86	58.63	59.52	57.20	58.15	59.15	23.8	23.5	28.1	28.3	27	25.5	29.3	23	95	98	74	75	80	89	------
13	57.98	58.01	58.47	56.51	57.49	58.24	25	24.5	28.5	27.3	23.5	24.5	29.8	23	88	92	75	84	93	89	28.2
14	56.81	57.20	57.87	55.91	56.41	57.69	23.2	22.6	28.6	29	27.5	26.8	29.7	22.6	94	95	70	71	76	82	------
15	56.18	56.79	57.25	55.35	55.99	56.97	25.2	24	28	29.4	28.5	27.5	30.2	23.6	93	96	74	75	73	79	------
16	55.53	56.14	57	55.47	56.11	57.60	27.2	27	28.5	28	28	27.2	28.9	24.5	83	84	79	78	74	80	9.2
17	57.13	57.38	57.75	56.10	56.22	57.55	27	25.6	28.8	28.2	24.8	27.2	29.2	24.2	80	88	78	80	93	86	28.7
18	56.89	56.79	58.29	56.41	56.94	58.22	26.5	26.6	25.7	27	26.6	25.2	27.3	23.7	88	87	90	78	87	83	22.4
19	57.08	57.23	58.33	56.78	57.28	58.87	25.2	24.5	26.7	27.6	26.8	25.2	28.6	23.1	90	96	83	76	85	87	6.9
20	58.27	58.84	59.39	57.72	57.95	59.52	25.2	25.1	28.6	28.6	27.5	27	29.3	24.1	87	92	77	73	83	83	------
21	58.33	58.61	58.89	56.29	56.81	58.02	25.4	24.8	29	28.8	27.8	26	30.5	24.6	93	98	74	76	75	90	.8
22	56.63	56.76	58.06	55.84	56.73	58.52	25	24.8	26.6	28.2	26	25.1	29	24.4	96	97	84	73	89	96	2.8
23	57.49	57.51	58.51	56.51	57.20	59.08	25.2	24.5	27.7	27.1	27.2	25.2	29.3	24.1	86	88	76	84	81	93	.8
24	58.20	58.33	59.61	56.86	57.46	58.70	24.2	24	28.8	29	26.5	25	30.1	23.6	95	94	79	68	77	88	------
25	57.70	57.94	58.31	56.11	56.54	56.90	24	23.2	30	30.3	25.6	25.5	30.9	22.9	91	95	59	70	87	92	------
26	55.82	55.68	56.40	54.83	54.85	55.61	26	25.7	28.2	26	27.8	27.4	29.6	25.2	85	83	80	85	77	83	1.8
27	54.73	54.99	56.12	54.40	55.30	56.46	27.2	27.5	29	29.1	28.2	28	30	24	84	78	78	76	78	79	22.4
28	56.03	56.78	57.95	57.03	57.44	58.17	27	23.5	24	24.8	25.2	25.8	27.1	22.7	77	91	97	93	86	85	56.6
29	57.99	58.14	59.07	57.14	58.06	59.18	24.5	25.8	28.1	28.5	27.6	25	29.7	23.5	87	80	79	77	84	88	10.4
30	58.07	58.13	59.37	57.71	58.25	59.48	25.5	25.1	28.8	29.5	27.7	26.4	30.3	24.9	92	95	78	71	83	92	------
Mean	57.57	57.75	58.58	56.67	57.29	58.64	25	24.5	28.3	28.5	26.5	25.8	29.9	23.6	89.3	91.4	77	75.9	83	86.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	283.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	SW	SW	SW	SW	SW	80.8	129.3	144.8	103	457.9	6	Ci.	Cu.	5	Ci.	Cu.
2	SW	SW	SW	SW	SW	SW	69.5	105.1	145.9	94.4	414.9	6	Ci.	Cu.	6	Ci. E	Cu.
3	Calm	Calm	SW	SW	SW	SW	16.1	75.3	161.1	83.4	335.9	3	Ci.	Cu.	4	Ci.	Cu.
4	Calm	SW	SW	SW	NNW	Calm	20.1	84.2	110.7	21.2	236.2	5	Ci.	Cu.	4	Ci.	Cu.
5	Calm	N	W	SW	NW	NW	18.8	54.1	116.4	23.1	212.4	9	A.-Cu.	Cu.	6	Ci.	Cu.
6	NW	Calm	SW	SW	NW	NNE	17.5	54.2	83.2	31.2	186.1	6	A.-Cu.	Cu.	8	Ci.	Cu.
7	NNE	N	N	NE	W	Calm	18.7	22.3	52	16.1	109.1	7	Ci.	Cu.	10	Ci.-S.	S.-Cu.
8	Calm	N	NE	NE	N	Calm	25.7	44.5	68.4	14	152.6	9	Ci.-S.	S.-Cu.	8	Ci.	Cu.
9	N	N	N	E	S	Calm	30.9	38.1	55.7	22.2	146.9	8	Ci.	Cu.	9	Ci.	Cu.-N.
10	N	N	N	N	Calm	N	27.2	45.1	26.6	20.4	119.3	8	Ci.	Cu.	10	Ci.-S.	Cu.-N.
11	N	Calm	NW	SW	SW	NW	14	45.4	98.4	31.4	189.2	6	Ci.	Cu.	7	ci.,A.-Cu. E	Cu.
12	Calm	Calm	NW	SW	SW	Calm	11	42.4	122.9	30.6	206.9	8	Ci.	Cu.	6	Ci.	Cu.
13	SW	SW	SW	SW	SW	Calm	29.6	35.4	127.3	37.3	229.6	8	Ci.	Cu.	8	Ci.	Cu.
14	Calm	Calm	SW	SW	SW	SW	15.8	35.7	-----	-----	-------	6	Ci.	Cu.	7	Ci.	Cu.
15	Calm	SW	SW	SW	SW	SW	13.9	16.9	-----	-----	-------	8	Ci.	Cu.	6	Ci.	Cu.
16	SW	SW	SW	SW	SW	SW	125	139.4	-----	-----	-------	9	Ci.-S.	Cu.	10	Ci.-S.	Cu.
17	SW	SW	SW	SW	SW	SW	100.4	147.8	143.4	98.5	490.1	10	Ci.-S.	N.	10	Ci.-S.	Cu.
18	SW	SW	SW	SW	SW	SW	47.2	113.5	92.8	44.3	297.8	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.
19	SW	SW	SW	SW	SW	Calm	48.3	80.2	63.4	14	205.9	10	Ci.-S.	N.	9	Ci.-S.	Cu.
20	Calm	Calm	SW	SW	SW	SW	1.1	84.1	85.8	44.1	215.1	9	Ci.	Cu.	7	A.-Cu.	Cu.
21	Calm	Calm	SW	SW	SW	Calm	8.7	39.9	91.2	13.2	153	7	A.-Cu.	Cu.	7	Ci.	Cu.
22	Calm	Calm	SW	SW	SW	W	13.9	56.9	70.8	27.1	168.7	10	Ci.-S.	Cu.-N.	9	Ci.	Cu. SW
23	SW	SW	SW	SW	W	Calm	64.2	40.5	63.1	13.7	181.5	9	A.-Cu.	Cu.	6	Ci.	Cu.
24	Calm	SW	SW	SW	NE	Calm	17.5	36.8	55.3	14.3	123.9	9	Ci.	Cu.	7	Ci.	Cu.
25	Calm	Calm	S	SW	Calm	Calm	3.7	36.2	74.3	14.5	128.7	5	Ci.	Cu.	6	ci.,A.-Cu.NW	Cu.
26	SW	SW	SW	SW	SW	SW	41.6	132.6	107.2	117.8	399.2	9	Ci.	Cu.	10	Ci.-S.	Cu.-N.
27	SW	SW	SW	SW	SW	SW	123.3	170.9	182.8	163.1	640.1	9	Ci.	Cu. SW	9	Ci.	Cu. SW
28	SW	SW	SW	SW	SW	SW	122.9	107.2	96.1	62.3	388.5	10	Ci.-S	N.	10	Ci.-S.	N.
29	SW	SW	SW	SW	SW	N	83.5	78.4	106.2	32.7	300.8	8	Ci.	Cu.	8	Ci.	Cu.
30	Calm	Calm	SW	SW	SW	SW	134	52.5	104.3	37	327.8	7	Ci.	Cu.	6	Ci.	Cu.
Mean	------	------	------	------	------	------	44.8	71.5	98.2	45.4	259.9	7.8	----------	----------	7.6	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	-------	----	----------	----------	----	----------	----------

ILOILO.

[ϕ=10° 42′ N; λ=122° 34′ E; barometer above sea, 6 meters; gravity correction not applied, —1.84 mm.]

OCTOBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.18	58.78	59.91	57.62	57.96	59.87	25	25.3	28.3	29.7	27.7	25.2	30.2	24.3	92	92	80	69	83	83	------
2	59.41	59.90	60.71	58.51	59.16	61.13	24.5	23.5	29.8	30.7	28.4	26.8	32.7	23	89	91	73	70	75	84	------
3	59.24	59.60	60.54	58.04	58.55	59.92	25	23.4	29.6	32	28.8	25.6	32.5	23.2	88	91	70	58	71	87	------
4	58.68	58.96	59.71	56.97	58.96	60.57	25	24.5	29.6	30	24.3	24.8	32.5	23.8	88	92	70	63	86	87	3.9
5	58.84	58.98	59.84	57.58	58.75	60.10	24	23.8	29.7	30.3	27.5	25.4	30.7	23.6	91	97	68	72	83	88	------
6	59.11	58.98	59.99	57.85	59.15	60.50	25	24	28	30.8	26.8	24.8	31.4	24	92	94	82	56	76	87	------
7	59.20	59.40	60.55	58.26	59.26	60.71	23.8	23.1	30	32	28	25.4	32.5	22.9	89	90	70	52	79	88	.8
8	59.74	60.07	60.86	58.51	59.34	61	25.2	24.2	29.5	30	26.3	25.5	32.4	23.8	87	91	71	65	85	88	4.3
9	60.21	60.24	60.85	58.69	58.87	60.10	25	24.6	30.4	31	28.8	25.5	32.5	24.2	93	95	70	62	75	88	1.8
10	59.03	59.49	60.31	58.16	58.44	59.72	25	25	30.5	29.1	26.6	25.4	32.1	24.4	92	88	65	74	87	87	1.6
11	58.40	58.98	59.69	57.29	58.15	59.50	24.2	24.2	31	31	28.5	26	31.7	23.8	90	90	61	59	70	82	------
12	58.04	58.95	59.82	57.04	58.06	59.45	24.8	24	29.1	29.1	27.5	25	31.3	23.2	82	89	71	68	78	92	.8
13	58.44	58.86	59.47	56.54	58.33	59.39	24	23.2	29.5	29.3	26	25.5	31.4	23.2	93	92	68	73	86	91	26.4
14	58.43	58.55	60.36	57.93	58.77	59.88	24.5	24.6	26.3	28.5	27.5	25.4	29.6	24.2	96	95	89	75	78	85	------
15	58.74	59.15	59.92	57.50	58.52	59.90	24.8	23.8	29.5	31.5	28.8	26	32.5	23.2	90	95	64	63	79	84	------
16	58.94	59.46	60.12	57.35	58.57	59.77	24.4	23.5	29.9	31.7	27	26.1	32.7	23.5	90	91	65	58	80	86	------
17	59.18	60.13	60.42	57.60	58.68	59.95	25	24.3	29.3	31.2	26.7	25.4	32.1	23.8	88	89	68	56	81	88	.3
18	59.24	59.93	61.15	59.01	59.61	60.51	24.8	24	24.5	27.6	26.2	25.1	29.8	23.8	87	93	93	81	86	89	8.1
19	58.74	59.04	59.71	57.41	58.54	60.21	24.8	24.1	26.6	29.1	24.8	24.8	30.3	22.8	88	92	91	71	94	90	39.9
20	58.60	58.66	58.97	57.41	58.47	60.04	24.5	23.5	29.3	30	26.5	25	30.5	23.1	87	87	68	62	84	87	3.3
21	59.21	59.39	60.39	58.87	59.86	61.22	24.2	23.5	28.7	29	27.3	24.4	30.3	23.2	85	89	63	65	75	87	------
22	60	60.78	61.92	59.86	60.63	61.88	23.2	23.5	29.5	29.5	27	24.2	30.8	22.9	94	91	64	67	80	88	------
23	60.74	61.05	62.05	59.55	60.21	61.68	23	22.7	29.6	30	27.5	24.5	30.8	22.6	91	93	62	62	70	79	------
24	60.77	61.18	62.10	59.48	60	61.83	23	22.2	29.3	30	26.9	24	30.7	21.9	86	90	66	62	68	83	------
25	61.05	61.23	62.11	59.54	60.09	61.42	23	23.1	29.4	30.2	27.7	24.5	30.9	22.6	90	89	67	59	67	86	------
26	60.49	61.24	61.80	59.53	60.35	62.02	23.8	23.2	29.3	29.5	27.2	24.6	31.5	22.5	85	90	64	64	73	79	------
27	61.27	61.38	61.84	59.60	60.36	62.12	23.5	23.5	30.1	30.3	27.2	24.2	30.8	22.6	87	88	63	62	74	83	------
28	60.90	61.70	62.79	60.48	60.55	62.36	23.2	22.4	29.7	30.5	27.7	24	31.9	22.2	88	91	55	57	73	86	------
29	61.24	61.43	62.04	59.81	60.27	61.50	23.5	23.2	30.3	31.6	28.5	25.2	31.8	22.9	87	90	64	59	68	83	1.3
30	60.47	60.86	61.96	59.21	60	61.25	24.4	24.3	30.2	31.7	28	25.6	32.6	24.1	90	93	68	56	77	87	------
31	60.22	60.28	60.70	58.25	59.17	60.52	24	24.2	30.1	30.7	28	26.2	32	23.9	94	93	65	59	73	82	------
Mean	59.51	59.89	60.73	58.37	59.21	60.65	24.3	23.8	29.2	30.2	27.3	25.2	31.5	23.3	89.3	91.3	69.6	63.8	77.9	85.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	92.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	SW	SW	SW	Calm	13.9	35.7	82.7	29.2	161.5	10	Ci.	Cu.	8	Ci.	Cu.
2	Calm	Calm	E	SW	SW	Calm	8.2	28.4	41.6	9.7	87.9	7	Ci.	Cu.	5	Ci.	Cu.
3	Calm	Calm	NE	NE	NE	Calm	8.9	57.3	72.4	23.1	161.7	5	Ci.	Cu.	7	Ci.	Cu.
4	Calm	Calm	NE	SW	E	N	19.8	34.8	57.4	21.2	133.2	7	Ci.	Cu.	8	Ci.	Cu.
5	N	Calm	NE	SW	Calm	Calm	12.3	19.8	54.9	9.4	96.4	8	Ci.	Cu.	9	Ci.	S.-Cu.
6	Calm	Calm	W	SW	SW	Calm	5.4	20.4	48	23.8	97.6	9	Ci.	Cu.	9	Ci.	Cu.
7	Calm	Calm	NE	NE	Calm	N	8.5	25.5	62.3	13.5	109.8	8	Ci.	Cu.	7	Ci.	Cu.
8	NE	Calm	E	NE	NE	NE	23.1	44.8	39.7	26.4	134	4	A.-Cu.	Cu.	9	Ci.	S.-Cu.
9	NE	Calm	NE	NE	NE	Calm	16.3	47.5	50.2	21.2	135.2	10	Ci.-S.	S.-Cu.	4	Ci.	Cu.
10	Calm	NE	NE	NE	Calm	NE	19.5	38.8	44	19.9	122.2	7	Ci.	Cu.	8	Ci.	Cu.
11	NE	Calm	NE	NE	NE	Calm	22.8	49.3	80.7	16.3	169.1	9	Ci.	S.-Cu.	6	Ci.	Cu.
12	N	Calm	NE	E	NE	N	15.3	39.4	56.8	25.2	136.7	9	Ci.	Cu.	6	Ci.	Cu.
13	Calm	Calm	Calm	SW	Calm	Calm	16.7	25.4	56.3	15.5	113.9	5	Ci.	Cu.	6	Ci.	Cu.
14	Calm	Calm	NNW	NE	NE	W	9.1	31.1	40	20.1	100.3	4	Ci.	Cu.	8	Ci.-S.	Cu.
15	Calm	N	NE	E	NE	N	13.1	26.2	51.7	19	110	7	Ci.	Cu.	7	Ci.	Cu.
16	N	N	NE	NE	NE	Calm	20.4	38.3	63.6	15.5	137.8	4	Ci.	Cu.	5	Ci.	Cu.
17	Calm	NE	NE	NE	NE	NE	15.8	48.3	65.5	32	161.6	5	Ci.	Cu.	7	Ci.	Cu.
18	NE	NE	NE	NE	NE	NE	44.8	72.7	76.7	46.9	241.1	8	Ci.	Cu.	9	Ci.-S.	S.-Cu. NE
19	NE	NE	NE	NE	NE	NE	59.8	89.5	101.1	49.9	300.3	6	Ci.	Cu.	9	Ci.-S.	S.-Cu.
20	NE	NE	NE	NE	NE	NE	57.7	73.7	91.1	39.1	261.6	6	A.-Cu.	Cu.	7	A.-Cu.	Cu.
21	NE	NE	NE	NE	NE	NE	60.9	93.3	138.2	38.6	331	8	Ci.	Cu.	8	Ci.	Cu.
22	NE	NE	NE	NE	NE	NE	42.6	64.1	94.8	38.6	240.1	6	Ci.	Cu.	5	Ci.	Cu. NE
23	NE	NE	NE	E	NE	NE	32.8	52.5	76.2	35.9	197.4	6	Ci.	Cu.	5	Ci.	Cu.
24	NE	NE	NE	E	NE	N	31.6	66	93.5	40.8	231.9	4	Ci.	Cu.	4	Ci.	Cu.
25	N	N	NE	E	NE	NE	45.4	62.3	101.2	39.4	248.3	4	Ci.	Cu.	4	Ci.	Cu.
26	NE	NE	NE	E	NE	NE	34.4	62.5	97.6	40	234.5	4	Ci.	Cu.	4	Ci.	Cu.
27	NE	NE	NE	NE	NE	NE	46.2	77.5	119.7	48.6	292	4	A.-Cu.	Cu.	3	Ci.	Cu.
28	NE	NE	NE	NE	NE	NE	39.6	53.7	93.9	40.4	227.6	2	Ci.	Cu.	3	Ci.	Cu.
29	NE	NE	NE	NE	NE	NE	41	65	91.9	40.7	238.6	3	Ci.	Cu.	5	Ci.	Cu.
30	NE	NE	NE	NE	NE	NE	46.1	67.3	73	40.8	227.2	8	Ci.	Cu.	7	Ci.	Cu.
31	NE	NE	NE	ENE	NE	NE	35.7	58.5	88.7	42.4	225.3	5	Ci.	Cu.	6	Ci.	Cu.
Mean	------	------	------	------	------	------	28	50.6	74.4	29.8	182.8	6.2	----------	----------	6.4	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	5,665.8	----	----------	----------	----	----------	----------

ILOILO.

[ϕ=10° 42′ N; λ=122° 34′ E; barometer above sea, 6 meters; gravity correction not applied, —1.84 mm.]

NOVEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.78	59.64	60.62	57.97	58.87	60.29	24.8	24.7	26	27.1	26	25.6	31.1	24.2	88	90	88	81	87	87	5.1
2	59.15	59.97	60.67	58.18	59.55	60.95	24	23.2	30	31.1	27.1	26	32.2	23.1	91	94	64	53	72	79	------
3	59.70	59.94	61.05	58.29	59.55	60.52	24	23.7	28.7	29.1	26.1	24.5	31.6	23.4	91	91	71	64	85	87	3.3
4	59.29	59.51	60.05	57.64	58.38	59.10	24	23.7	29.2	30.5	26	23.2	31	23	88	91	60	54	69	85	------
5	58.44	58.25	59.06	56.71	57.02	58.04	23	22	29.3	29.8	26.5	23	31.5	21.7	83	87	52	52	76	84	------
6	57.42	57.30	58.41	56.62	56.66	58.17	21.8	20.5	27.7	29	27.7	26.5	29.9	20.3	86	90	65	58	67	73	------
7	57.40	57.66	59.01	56.98	58.27	60.48	24	22.7	28.7	29.2	27.9	25.2	30.4	22.2	86	91	64	73	78	86	10.2
8	59.54	60.57	61.87	59.75	60.50	62.27	24.1	23	28.1	29.7	26.8	25	30.1	22.9	88	96	73	64	84	83	------
9	61.28	62.13	63.05	60.69	61.46	62.96	24	23.1	29	30.4	27.5	25	30.9	22.9	88	90	68	63	77	87	------
10	61.68	62.08	63.05	60.75	61.03	62.34	24.2	23.3	29.2	29.6	27	24	30	23	88	89	66	58	72	85	------
11	61.40	61.77	62.28	60.27	61.03	62.36	23.2	22.4	28	28.3	26.2	22.2	29.3	21.5	85	88	58	60	67	88	------
12	61.25	61.48	61.68	59.35	60.57	61.69	21.5	21	28	30.4	26.3	23.8	30.6	20.8	87	86	61	53	73	85	------
13	60	60.73	61.16	58.78	59.52	60.74	23.5	23.4	29.9	30.8	26.4	25	31.5	22.9	87	91	62	52	78	83	25.1
14	59.01	59.75	60.61	58.55	59.76	60.71	24.2	24	27.5	28	25.5	25	30	23.6	93	95	75	72	88	88	3
15	59.16	59.35	60.01	57.79	58.60	60.36	24	24	29.2	30.5	26	24.8	31.1	23.7	90	91	73	63	88	89	------
16	58.04	58.88	59.46	57.51	58.51	59.85	24.8	24.5	30.3	30.6	27.5	25.2	31.2	24.2	90	92	62	58	77	87	.3
17	58.44	58.76	59.79	57.59	57.86	59.56	24.8	24.5	29.5	30.2	27.5	24.2	30.7	23.6	92	92	64	56	76	90	1.8
18	58.44	58.78	60.21	57.57	58.57	60.32	24.2	24.4	27.2	30.4	27.3	24.4	30.9	23	90	90	81	60	71	90	2.9
19	58.80	58.96	60.04	57.48	58.38	59.49	24.2	23.9	30	30.6	27	25	31.3	22.9	90	92	63	56	79	92	------
20	58.34	58.86	58.85	56.43	57.36	58.90	24.5	24.4	29.5	31	27.5	25.2	31.3	24.3	94	95	66	58	75	90	2
21	57.34	57.84	58.31	55.90	56.51	57.98	24.4	24.2	30.1	31.5	28	25.8	31.9	24	88	94	59	50	68	84	------
22	57.18	58.10	58.55	56.16	56.71	58.03	25	24.5	29.2	30.5	27.5	25.2	31.5	24.1	88	92	72	58	76	85	------
23	57.21	57.91	58.87	56.68	57.35	58.52	25	24.2	30.4	30.5	27.7	25	31.6	23.9	87	90	66	58	76	88	.8
24	57.73	58.38	59.27	57.27	58.30	59.95	25	24.6	30.4	31.2	28.2	25.4	31.7	24.4	88	92	64	56	73	87	------
25	58.94	59.35	60.16	57.80	58.98	60.46	24.4	24.4	29.8	31.1	27.3	24.6	31.1	24.2	93	92	66	60	71	79	------
26	58.86	59.93	60.63	58.67	59.37	61.31	24.6	24	28.2	30.1	26.5	24.2	30.7	23.3	91	87	71	60	78	86	2.3
27	59.92	60.62	61.81	58.96	59.71	60.92	23.4	23.7	24.7	30.3	26.7	25	31	23	91	87	88	55	74	85	2.8
28	59.88	60.27	61.14	59.15	59.87	61.61	24.5	24	29.5	30.3	26.3	24.5	31.4	23.9	89	91	65	64	79	89	------
29	60.32	60.52	61.09	59.04	59.48	60.74	24.4	24	29.6	29.4	27.1	23.8	31	22.8	90	93	69	62	72	86	.5
30	59.67	59.96	60.68	58.80	59.59	60.42	22.8	22.6	27.8	25.7	25.5	24	30.3	22	89	89	69	88	86	93	11.9
Mean	59.09	59.58	60.38	58.11	58.91	60.30	24	23.6	28.8	29.9	26.9	24.7	31	23.1	89	90.9	67.5	60.6	76.4	86	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	72

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	NE	ESE	NE	Calm	NE	34.3	48.1	51.7	26.9	161	4	Ci.	Cu.	10	Ci.-S.	Cu.
2	NE	NE	NE	NE	NE	N	39.4	72.2	68.1	32.7	212.4	8	Ci.	Cu.	8	Ci.	Cu.
3	N	NE	NE	NE	NE	N	29.3	51.8	59.2	32.2	172.5	8	Ci.	Cu.	10	Ci.-S.	Cu.
4	N	NE	NE	NE	NE	N	40.4	73.7	84.2	38.4	236.7	8	Ci.	Cu.	9	Ci.	Cu.
5	N	NE	NE	NE	Calm	Calm	36	53.3	42	15.8	147.1	8	Ci.	Cu.	9	Ci.-S.	Cu. NW
6	Calm	Calm	SW	SW	SW	SW	10.2	40.2	81.8	24.3	156.5	9	Ci.-S.	Cu.	9	Ci.-Cu., A.-Cu.N.	Cu.
7	Calm	SW	SW	SW	SW	N	15.3	62.3	109.2	38.9	225.7	9	Ci.	Cu.	8	Ci.	Cu.
8	NE	Calm	NE	SE	Calm	NE	38	30.1	32.5	25.1	125.7	8	Ci.	Cu.	10	Ci.	Cu.
9	NE	Calm	NE	NE	NE	NE	21.9	59.7	93.8	48.6	224	4	Ci.	Cu.	4	Ci.	Cu.
10	NE	NE	NE	NE	NE	NE	45.7	104.4	130.6	54.9	335.6	5	Ci.	Cu.	4	Ci.	Cu.
11	NE	NE	NE	NE	NE	NE	56.9	98.8	147.3	42.4	345.4	4	Ci.	Cu.	3	Ci.	Cu.
12	NE	NE	NE	NE	NE	NE	52.1	96.3	108.1	50.2	306.7	2	Ci.	Cu.	3	Ci.	Cu.
13	NE	NE	NE	NE	NE	NE	58.2	101.1	117	49.6	325.9	3	Ci.	Cu.	5	A.-Cu.	Cu.
14	NE	NE	NE	NE	NE	NE	52.8	89.9	95.8	55.5	294	10	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.
15	NE	NE	NE	NE	NE	NE	66	89.5	102.4	54.5	312.4	9	Ci.	Cu. NE	7	Ci.	Cu.
16	NE	NE	NE	NE	NE	NE	64.1	104	119.1	57.3	344.5	4	Ci.	Cu.	4	Ci.	Cu.
17	NE	NE	NE	NE	NE	NE	57.1	112	138.7	63.3	371.1	8	A.-Cu.	Cu.	2	Ci.	Cu.
18	NE	NE	NE	NE	NE	NE	59.3	87.5	133	74	353.8	9	Ci.-S.	Cu.	3	Ci.	Cu.
19	NE	NE	NE	NE	NE	NE	55.8	88	100.1	50.2	294.1	5	Ci.	Cu.	3	Ci.	Cu.
20	NE	NE	NE	NE	NE	NE	51.5	82.1	109.6	53.3	296.5	8	Ci.-S.	Cu.	2	------	Cu.
21	NE	NE	NE	NE	NE	NE	49.7	88.7	99.5	44.3	282.2	4	Ci.	Cu.	2	Ci.	Cu.
22	NE	NE	NE	E	NE	NE	42.3	70.3	110.5	48.9	272	4	Ci.	Cu.	3	Ci.	Cu.
23	NE	NE	NE	NE	NE	NE	48.1	72.7	110.2	50.2	281.2	5	Ci.	Cu.	3	Ci.	Cu.
24	NE	NE	NE	NE	NE	NE	45.1	77.5	95.2	44.1	261.9	9	Ci.-S.	Cu.	2	Ci.	Cu.
25	NE	NE	NE	NE	NE	NE	41.8	101.1	126.3	46.9	316.1	8	Ci.-S.	Cu.	3	Ci.	Cu.
26	NE	NE	NE	NE	NE	N	53.3	82.9	102.2	49.6	288	4	Ci.	Cu.	7	A.-Cu.	Cu.
27	NE	NE	NE	NE	NNE	N	50.5	69.5	96	45.1	261.1	9	Ci.-S.	Cu.	3	Ci.	Cu.
28	N	NE	NE	NE	NE	N	49.9	77.4	87.7	45.3	260.3	5	Ci.	Cu.	9	Ci.	S.-Cu.
29	N	NE	NE	NE	NE	N	44	66	101.2	49.9	261.1	3	Ci.	Cu.	7	A.-Cu.	Cu.
30	N	NE	NE	N	NE	N	35.4	74	72.6	54.9	236.9	7	Ci.	Cu.	10	Ci.-S.	S.-Cu.
Mean	------	------	------	------	------	------	44.8	77.5	97.5	45.6	265.4	6.4	----------	----------	5.7	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	7,962.4	----	----------	----------	----	----------	----------

ILOILO.

[ϕ=10° 42′ N; λ=122° 34′ E; barometer above sea, 6 meters; gravity correction not applied, —1.84 mm.]

DECEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.39	59.67	60.56	58.60	59.12	60.22	23.5	23.1	28.7	29.5	26.7	24.2	30.1	23	94	95	67	59	71	88	
2	58.84	59.45	60.15	57.69	58.43	59.91	23.8	23	29.1	31.6	27.3	24.4	32	22.9	90	95	64	48	76	88	
3	59.06	59.50	60.40	58.18	58.54	60.12	24	24	29	28.5	25	24.2	30.5	23.7	91	91	71	71	82	90	0.5
4	58.70	58.99	60.21	57.44	57.90	59.54	24.4	24.5	28	30.3	26.7	24.2	31.1	23.7	88	89	74	58	75	93	
5	58.77	58.96	59.47	57.50	58.53	59.24	23.8	23.8	29.8	28.6	27	25.4	30.7	23.1	93	93	60	67	77	82	
6	58.20	58.24	58.58	56.80	57.26	58.08	24.2	23.5	30	25.8	24.1	23.5	30.3	22.9	90	90	62	85	95	94	12.7
7	57.22	57.45	58.54	56.75	56.81	58.24	22.9	22.8	27.5	29.7	26	24.4	30.6	22.7	94	95	70	58	75	83	
8	57.56	57.80	58.78	57.30	57.51	59.12	23.2	22.4	27.6	28.8	27	25	29.5	21.8	91	96	75	73	80	85	
9	58.26	58.11	58.68	57.12	57.15	58.60	23.2	21.6	28	28.7	26.6	25.2	29.2	21.3	91	94	71	73	76	84	
10	58.19	58.35	58.47	56.17	56.43	57.83	23	22.1	29.7	28.6	27	25	30.8	21.9	95	96	64	69	79	90	
11	57.34	57.93	58.43	55.94	57.12	58.55	24.8	24	29.3	32	28.5	25.2	32.2	23.6	88	91	74	52	66	92	24.9
12	58.18	58.45	60.01	57.84	58.46	59.69	25	24.3	29.5	31.5	27.7	24.8	31.8	24.2	93	94	69	48	69	82	
13	59.19	59.51	60.37	58.17	59.11	61.04	24.5	23.6	27.1	30.2	26.4	24.2	30.3	23.4	84	90	74	53	76	93	2
14	59.59	59.45	60.23	58.15	58.98	60.44	23.4	23.6	28.2	30.2	26.6	24.8	31.4	22.9	92	91	62	59	76	87	2.3
15	59.36	59.27	60.42	58.27	58.87	60.49	23.8	23.5	28	30	26.5	24.8	31	23.3	90	95	73	62	76	85	
16	59.49	59.79	60.76	59.32	59.90	61.42	24.5	24.7	28.1	29.1	27.5	25.2	30.3	24.1	89	87	73	64	71	83	
17	60.38	60.39	61.16	59.20	60.05	61.66	24.4	23.5	29	30.5	27.2	25	31.2	23.4	87	91	69	56	68	83	
18	60.98	61.42	62.20	60.33	60.89	62.04	24.6	24.2	29.5	30.7	27.5	25	31	24.2	87	87	58	49	65	82	
19	61.02	61.04	61.87	59.36	60.16	61.07	24	23.7	29.3	30.7	27.2	24.8	31.1	23.5	90	91	51	52	70	85	
20	60.22	61.32	62.27	60.24	61.40	62.38	25	24.4	26	31	26.7	24	31	24	83	92	80	53	75	81	
21	61.44	62	62.92	61.06	61.81	62.31	24	23.2	29.1	30.8	27.4	25	31.3	23.1	85	90	60	50	62	76	
22	61.44	62	62.36	60.05	60.92	61.49	23.6	22.7	28.5	30.5	27.5	25.2	31	22.5	86	89	64	50	60	76	
23	60.52	61.34	62.56	60.61	61.06	61.99	24.5	23.7	28.7	28.9	27	23.5	30.4	22.8	84	92	66	59	66	84	
24	61.50	62.12	62.62	60.43	60.71	61.37	23.4	22.6	29.3	30.5	27.5	24	30.8	22.4	85	90	50	43	56	77	
25	60.77	61.02	61.46	59.36	60.06	61.06	22.8	22.5	29.1	28.7	27	25	30.3	22	84	87	54	58	67	79	
26	60.18	60.38	61.25	58.15	59.03	60.37	24.2	23.3	28.6	29.5	26.7	25.2	30.7	23.2	82	84	54	57	69	79	
27	59.86	59.65	60.92	58.44	59.20	60.37	24	24	27.7	29.5	27.2	24.2	30.2	23.8	83	83	65	49	60	77	3.6
28	59.36	59.84	61.01	58.30	59.02	60.28	23	22.7	28.7	29.6	26.7	24.2	30.4	22.6	93	95	61	50	62	78	
29	59.42	59.72	60.52	58.09	59.35	60.29	23	22.3	28	28.7	24	23	30.6	22.2	87	89	62	63	89	93	.3
30	58.82	59.14	59.91	57.62	58.81	60.32	23.2	23.2	29.5	29.5	26.7	24.6	30.7	22.8	90	92	53	58	67	82	.3
31	59.06	59.50	60.30	57.67	58.76	59.91	24.5	24.3	24.5	30	27.2	25	30	23.9	82	84	92	56	70	80	2.3
Mean	59.43	59.74	60.56	58.39	59.08	60.30	23.9	23.4	28.5	29.7	26.8	24.6	30.7	23.1	88.4	90.9	65.9	58.1	71.8	84.2	
Total																					48.9

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	NE	NE	NE	NE	N	47.2	87.9	127.1	43.7	305.9	9	Ci.-S.	S.-Cu.	3	Ci.	Cu.
2	NE	NE	NE	NE	NE	NE	44.8	73.4	98	47.7	263.9	5	Ci.	Cu.	4	Ci.	Cu.
3	N	N	NE	NE	NE	NE	44.6	68.1	115.9	45.9	274.5	3	Ci.	Cu.	9	Ci.	Cu.
4	NE	NE	NE	NE	N	N	47.7	67.1	103.8	41.3	259.9	10	Ci.	Cu.	7	Ci.	Cu.
5	N	NE	NE	NE	NE	NE	37.2	90.6	119.1	47.7	294.6	5	Ci.	Cu.	9	Ci.	Cu.
6	NE	NE	NE	NE	N	N	52.8	71.3	70.6	47.7	242.4	8	Ci.	Cu.	10	Ci.-S.	Cu.
7	N	NE	NNE	NE	NE	N	32.2	44.1	51.2	20.1	147.6	10	Ci.-S.	Cu.	9	Ci.-S.	Cu.
8	Calm	Calm	SW	SW	SW	Calm	5	53.7	127.9	30.3	216.9	4	Ci.	Cu.	4	Ci.	Cu.
9	Calm	Calm	SW	SW	SW	E	12.9	38	91.4	32	174.3	7	Ci.	Cu.	4	Ci.	Cu.
10	Calm	Calm	SW	SW	SE	N	11.8	27.4	75.4	17.2	131.8	5	Ci.	Cu.	3	Ci.	Cu.
11	Calm	Calm	ENE	ENE	Calm	NE	15.8	38.8	69.5	38.1	162.2	10	Ci.-S.	Cu.	6	Ci.	Cu.
12	Calm	Calm	ENE	NE	NE	NE	31.6	69.2	111	51.5	263.3	4	Ci.	Cu.	4	Ci.	Cu.
13	N	N	NE	NE	NE	NE	66	90.4	122.9	56.9	336.2	8	Ci.	S.-Cu.	3	Ci.	Cu.
14	NE	NE	NE	ENE	NE	NE	62.3	102	104.3	65	333.6	10	Ci.-S.	Cu.	4	Ci.	Cu.
15	NE	NE	N	NE	N	NE	84.8	92.3	119.9	57.6	354.6	8	Ci.-S.	Cu.	7	A.-Cu.	Cu. NE
16	NE	NE	NE	E	NE	NE	68.1	92.7	90.1	53.7	304.6	7	Ci.	Cu.	10	Ci.-S.	Cu.
17	NE	NE	NE	ENE	NE	NE	47.2	105.1	122.1	65.7	340.1	5	Ci.	Cu.	6	Ci.	Cu.
18	NE	NE	NE	NE	NE	NE	65	114.1	137.9	66.6	383.6	6	Ci.	Cu.	4	Ci.	Cu.
19	NE	NE	NE	NE	NE	NE	64.6	106.4	118.9	51	340.9	7	Ci.	Cu.	4	Ci.	Cu.
20	NE	NE	NE	NE	NE	NE	37.3	78.9	111	50.4	277.6	10	Ci.-S.	Cu.	5	Ci.	Cu.
21	NE	NE	NE	NE	NE	NE	69	108.8	129.8	66.2	373.8	4	Ci.	Cu.	3	Ci.	Cu.
22	NE	NE	NE	NE	NE	NE	66.3	112.3	126.5	74.5	379.6	4	Ci.	Cu.	4	Ci.	Cu.
23	NE	NE	NE	NE	NE	NE	72.2	110.2	153.9	57.7	394	10	Ci.-S.	Cu. NE	5	Ci.	Cu. NE
24	NE	NE	NE	NE	NE	NE	75.1	107.6	159.9	62.2	404.8	6	Ci.	Cu.	2	Ci.	Cu.
25	NE	NE	NE	NE	NE	NE	77.5	114.9	114.1	65.2	371.7	4	Ci.	Cu.	9	Ci.	Cu.
26	NE	NE	NE	NE	NE	NE	74.2	115.6	132.6	71.9	394.3	4	Ci.	Cu.	9	Ci.-S.	Cu.
27	NE	NE	NE	NE	NE	NE	72.6	109.2	157.2	77.2	416.2	4	Ci.	Cu.	6	A.-Cu.	Cu.
28	NE	NE	NE	NE	NE	NE	74	110.8	133.6	70.8	389.2	8	Ci.-S.	S.-Cu.	5	Ci.	Cu.
29	NE	NE	NE	NE	NE	NNE	65	87.5	122.3	60.4	335.2	4	Ci.	Cu.	10	Ci.	Cu.
30	NE	NE	NE	NE	NE	NE	57.6	106.2	126.6	56.5	346.9	10	Ci.-S.	Cu.	5	Ci.	Cu.
31	NE	NE	NE	NE	NE	NE	64.6	100.1	132.5	62.2	359.4	10	Ci.-S.	Cu.	4	A.-Cu.	Cu.
Mean							53.1	86.9	115.4	53.4	308.8	6.7			5.7		
Total											9,573.6						

ORMOC.

[ϕ=11° 00′ N; λ=124° 36′ E; barometer above sea, 5.6 meters; gravity correction not applied, —1.83 mm.]

JANUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.29	60.23	61.63	59.05	60.14	60.80	23.8	22.5	25.6	29	26.4	23.1	30.4	21.9	87	93	73	61	73	86	------
2	59.54	60.11	60.58	58.51	59.78	60.98	22.1	19.5	28	29.8	25.5	20.4	30.4	19.4	89	94	63	55	80	91	------
3	60.29	60.63	61.30	59.30	60.34	61	19.2	17.8	26.7	28.5	25.5	24	29	17.7	97	97	67	67	84	91	------
4	60.32	60.88	61.35	59.14	60.35	61.21	23.1	22.6	26	30	27.4	23.4	30	22.2	96	95	76	64	64	88	1.5
5	60.53	60.85	61.88	59.37	60.40	61.19	22.3	20.6	27	28.6	26	23.5	31.5	20	95	98	71	70	84	96	------
6	60.17	60.12	60.68	58.75	59.61	60.80	23.3	23.1	28	26.9	25.2	24.8	28.6	22.2	95	95	85	92	94	94	16.3
7	60.16	60.52	60.80	58.50	59.79	61.07	24.2	23.5	26.5	25.4	24	24.2	28	23.2	94	97	84	93	100	94	33.8
8	59.95	60.27	60.61	58.35	59.44	59.51	23.6	22.8	25.4	28.4	26	24.5	29	22.7	97	99	84	72	81	92	.3
9	58.59	58.85	59.40	57.22	58.05	58.77	24	22	28.4	30	27.5	23.1	31.1	21.7	96	99	69	67	70	97	------
10	57.52	57.81	58.72	56.33	56.88	58.20	22.5	20.9	27.6	30	27	21.5	31	20.7	97	96	73	57	77	90	------
11	57.35	57.85	58.96	56.63	56.74	58.08	21.1	18.6	28.2	29.5	27.2	23.2	31	18.5	95	99	66	65	75	94	------
12	57.71	57.81	58.80	57.31	57.63	59.06	21.6	20.6	27.5	29.2	27	23.6	30.8	20.5	96	98	70	70	80	87	------
13	58.17	58.59	59.95	59.04	59.41	60.36	22	21.1	28.5	25	23.7	22.8	29	21	97	98	68	96	98	97	14.8
14	60.12	59.98	60.66	58.17	58.50	59.88	22.7	22	26.4	29	26.6	22.1	29.2	21.5	95	97	82	74	72	91	.8
15	59.29	59.20	59.81	57.62	57.58	58.48	21.6	20	28	29.5	26	23.1	30.7	19.6	87	95	80	64	89	91	------
16	57.78	58.10	59.68	57.67	58.63	59.65	21.8	21	27.5	25.6	25.8	23	29.2	20.6	95	95	84	87	81	91	4.3
17	59.04	59.39	59.94	57.59	58.69	60.06	22.7	22.4	29.6	29	27	24.7	30.5	21.8	94	93	64	67	88	87	------
18	59.13	60.02	60.28	58.53	58.78	60.12	24.5	23.7	26	28	25.7	23.6	29.7	23	88	93	89	74	90	88	------
19	58.82	59.29	60.40	57.88	58.74	59.96	22.4	21.5	27	30.4	27	24.7	31	20.8	91	95	77	66	88	90	.5
20	59.41	59.49	60.71	58.82	59.74	60.70	23.6	21.7	28	29.6	25.6	23.1	30.7	21.3	93	95	85	70	84	99	1.8
21	59.53	59.55	60.07	57.68	58.74	60.65	22.6	21.2	28.5	29.8	25.2	24.1	30.2	21	99	100	75	73	98	99	6.9
22	59.49	59.50	60.29	57.64	58.10	59.41	23.5	21.6	28	30	26.5	23.1	30.9	21	97	99	77	68	90	99	------
23	58.53	58.26	58.99	56.03	57.22	58.37	22.2	20.5	27.6	30.5	25.2	24.3	31	19.9	95	96	69	65	90	97	------
24	56.59	57.26	57.76	55.63	56.68	58.46	22.4	20.4	28.5	30.5	27	24.8	31	19.9	98	97	62	62	80	93	1
25	57.49	58.39	58.96	56.80	57.23	58.94	23.9	22.9	26.3	28.4	27	24	29.6	22.6	97	99	84	69	72	92	1.8
26	57.88	57.70	58.19	56.15	56.63	58.12	22	20.8	28	29	27.5	23.5	30	20.6	96	99	72	71	77	91	------
27	57.25	57.24	58.11	55.73	56.38	57.51	22.9	21.5	28.7	30.4	27	24.5	31.8	20.9	97	98	73	65	84	96	------
28	56.85	56.94	57.79	55.76	56.56	57.97	23.3	21.2	28	30.4	25.7	25.2	30.8	20.6	97	98	74	66	90	86	------
29	57.29	57.45	58.72	56.22	56.28	57.78	24	21	27.5	30	28.5	24	30.5	20.9	92	99	77	68	70	88	1.8
30	57.73	57.77	58.61	56.38	56.97	58.69	21.7	19	27	30	27.5	22.9	30.6	18.5	93	100	67	66	81	97	------
31	57.33	57.86	58.50	56.73	57.07	58.13	22.4	21.5	28.6	29.5	28.5	24.6	30.8	21.1	98	99	73	71	70	83	------
Mean	58.68	58.96	59.75	57.57	58.29	59.48	22.7	21.3	27.5	29	26.4	23.6	30.3	20.9	94.6	96.9	74.6	70.2	82.4	92.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	85.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	W	N	E	NE	NW	N	24.4	33.6	69	19.9	146.9	10	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
2	N	NE	SW	E	NE	N	21.9	34.1	42.3	19.9	118.2	9	Ci.	S.-Cu.	9	Ci.-S.	Cu.-N.
3	N	N	NW	W	NE	N	23	25.7	39.2	18.8	106.7	7	Ci.	S.-Cu.	10	Ci.-S.	Cu.-N.
4	N	NW	W	SW	N	N	21.1	26.7	45.7	35.9	129.4	9	Ci.-S.	Cu.-N. E	7	Ci.	Cu.-N. E
5	N	N	NW	S	NW	NW	27	33.8	57.1	17.1	135	9	Ci.-S.	Cu.-N. E	7	Ci.	Cu.-N.
6	NW	N	NW	N	NE	NE	14.3	34.8	30	23.1	102.2	7	A.-Cu. E	Cu.-N.	10	Ci.-S.	Cu.-N.
7	N	N	NW	NE	N	NW	25.9	43.1	40.5	23.6	133.1	8	Ci.-S.	Cu.-N. E	10	Ci.-S.	Cu.-N.
8	NE	N	W	SW	NW	NE	23.8	41.3	48.6	16.7	130.4	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
9	N	N	S	SW	SE	N	24.3	39.9	63.4	23.9	151.5	6	Ci.-S.	Cu.-N.	8	A.-Cu. E	Cu.-N.
10	N	NE	W	SW	SE	N	23	33	77.2	33.3	166.5	7	Ci.	Cu.	5	Ci.	Cu.
11	N	N	W	S	SE	N	24.1	35.1	58.5	24.6	142.3	6	Ci.	Cu.	6	Ci.	Cu.-N. E
12	N	N	W	S	NE	NNE	26	33.3	54.1	17.7	131.1	2	Ci.	Cu.	8	Ci.-S.	Cu.-N.
13	NE	NE	W	E	N	N	20.1	32.7	27.9	23.5	104.2	2	Ci.	S.-Cu.	10	Ci.-S.	Cu.-N.
14	N	N	NW	S	SE	NE	25.7	26.7	64.1	22.5	139	10	Ci.-S.	Cu.-N.	5	Ci.	Cu.
15	N	N	W	SE	W	WNW	23.5	33.7	48.3	20.4	125.9	3	Ci.	Cu.	7	Ci.-S.	Cu.-N.
16	NW	NW	W	NE	NE	NE	19.9	31.6	48.8	16.1	116.4	4	Ci.	Cu.	10	Ci.-S.	Cu.-N.
17	N	N	SE	S	N	NE	20.4	48.3	63.3	19	151	4	A.-Cu.	S.-Cu.	7	Ci.-S.	Cu.-N. E
18	NW	NE	N	NE	N	NE	20.1	25.4	39.1	40.8	125.4	9	Ci.-S.	Cu.-N. E	8	Ci.-S.	Cu.
19	N	N	NNW	S	N	N	23.3	36.2	52.6	19.3	131.4	6	Ci.	S.-Cu.	4	Ci.	Cu.
20	N	N	W	S	NE	N	16.6	26	55	20.6	118.2	4	Ci.	S.-Cu.	7	Ci.-S.	cu.-N. ENE
21	NW by W	N	NW	SW	N	N	24.7	40.7	69.8	29.3	164.5	8	Ci.	Cu.-N. E	7	Ci.-S.	Cu.-N. E
22	N	N	SW	SW	N	N	23.5	47.7	61.7	23.8	156.7	4	A.-Cu.	S.-Cu.	5	Ci.	Cu. E
23	N	N	W	S	NW	Calm	24.9	33.7	60	18.8	137.4	4	Ci.	Cu.	7	Ci.-S.	Cu.
24	N	N	NE	SW	NW	NW	24.4	50.9	61.5	17.5	154.3	4	Ci.	Cu.	4	Ci.	Cu.
25	N	SE	SW	SW	E	N	16.6	49.1	51.2	22	138.9	10	------	N.	8	Ci.-S.	Cu. E
26	N	N	SW	SW	S	NE	26.9	38.8	68.4	20.6	154.7	8	Ci.-S.	Cu.-N. E	6	Ci.	Cu. E
27	NE	NE	SW	S	E	N	24.6	39.4	54.2	22.5	140.7	6	Ci.-S.	Cu.	6	Ci.-S.	cu.-N. NW
28	N	N	SW	S	N	E	23.6	33.7	42.6	21.7	121.6	5	Ci.	Cu.	4	Ci.	Cu.
29	N	N	SW	SW	SW	E	28.4	28.2	52.5	28.2	137.3	6	Ci.	S.-Cu.	4	Ci.	Cu.
30	N	N	W	S	S	NW	31.6	33.5	60.7	22	147.8	3	Ci.	S.-Cu.	3	Ci.	Cu.
31	NW	N	SW	S	SE	NE	24.4	49.6	54.4	26.6	155	9	Ci.-S.	Cu.-N. E	6	Ci.	Cu. ENE
Mean	------	------	------	------	------	------	23.3	36.1	53.6	22.9	135.9	6.4	------	------	7	------	------
Total	------	------	------	------	------	------	------	------	------	------	4,213.7	----	------	------	----	------	------

ORMOC.

[ϕ=11° 00′ N; λ=124° 36′ E; barometer above sea, 5.6 meters; gravity correction not applied, —1.83 mm.]

FEBRUARY, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.14	58.06	58.90	56.60	57.02	58.68	24.2	20.5	28	29	26.6	20.7	30.5	19.9	96	97	63	59	67	97	------
2	58.16	58.85	59.80	57.89	58.18	59.44	20.3	18	28.2	29.6	26	21.2	30.5	17.4	98	100	52	64	76	93	------
3	58.85	58.94	60.06	57.81	58.34	60.05	20.8	18.9	28	30.5	26.8	23.7	31	18.5	99	100	62	60	74	85	------
4	59.53	59.74	60.39	58.32	59.34	60.51	23.3	22.6	29	32.1	27.5	23.1	32.4	22	88	90	63	48	60	87	------
5	59.90	59.81	60.47	58.31	58.59	59.26	22.8	22	30	31.6	27.6	26.4	32.5	21.5	93	96	50	48	66	70	------
6	58.20	58.42	59.23	57.59	58.06	59.21	25.2	24.3	25	24	24.6	23.1	28.5	22.7	89	91	90	91	92	98	28.9
7	58.85	59.57	60.67	59.07	58.77	59.54	22.6	22.3	23.5	24	23.5	25	26.4	22.1	99	100	96	96	91	83	14
8	58.85	59.47	60.46	58.04	58.11	59.67	24.5	22.9	26.6	29.2	25.5	22.5	30.5	20.1	87	96	71	57	84	78	------
9	58.96	59.04	60.05	58.01	58.78	60.55	20.2	20.6	27	27.5	24.2	23.5	28.5	18.3	97	94	71	77	98	93	4.3
10	59.80	60.10	60.91	59.29	60.10	61.80	22.6	22.3	29.2	29.5	26	22.8	30.9	21.8	97	96	63	68	94	100	9.5
11	60.55	61.06	61.96	60.02	60.98	62.57	22.5	21.2	26.4	30	26.4	23.6	30.4	20.9	99	98	81	69	87	99	3.8
12	61.26	61.38	62.29	60.06	59.89	61.55	23.2	23	26.1	26.5	26.5	23.1	27.8	22.1	96	96	87	80	73	95	4.5
13	60.63	60.55	61.84	59.42	59.41	60.77	23	22.5	26.2	28.3	25	22.5	30	21.8	93	91	67	62	77	92	.3
14	59.75	59.84	60.11	57.94	58.15	58.76	21.8	19.4	26.6	26	25	24	29	18.6	93	92	76	85	96	96	5.4
15	57.99	57.84	58.63	56.59	56.72	58.11	23.9	23.7	25.2	27	25	24.3	27.6	23.4	97	98	90	81	92	94	------
16	57.27	57.38	58.21	56.20	56.54	57.96	24.1	24	27.2	28	26.1	24	29.1	23.5	95	96	83	74	83	96	------
17	57.53	57.42	58.20	56.18	57.17	58.43	23.1	22.5	28	28.4	25	24.1	29.8	22	97	96	77	76	96	98	11.7
18	57.79	57.58	58.84	56.94	57.95	59.32	23.5	21.6	28	29	24.5	24.2	30.5	21.2	97	98	77	74	96	93	.8
19	57.83	58.80	60.18	58.03	58.67	60.92	23.1	22.1	27	27.5	24.4	23.7	28.5	21.8	97	98	80	81	92	98	4.7
20	60.21	60.37	60.74	58.90	59.42	61.12	23.3	23.1	26	27	24.6	23.6	29	22.8	98	98	85	84	91	99	9.6
21	59.76	59.95	60.51	58.07	58.59	60.11	23.1	22.8	26	26.6	24.5	24.6	28	22.5	98	97	85	77	83	87	.3
22	58.69	59.00	59.61	57.04	57.93	59.70	24	23.4	26.5	25.5	25.4	23.9	29.5	22.7	91	94	80	89	84	91	2.3
23	58.99	59.39	60.93	58.34	59.02	61.12	23.1	22.4	24.8	27.8	25.7	24	28.5	22	95	97	93	76	86	91	3.1
24	60.76	60.66	61.95	59.60	60.30	61.79	23.5	22	27.5	29.3	25.5	22.8	29.6	21.1	92	91	66	66	80	93	.3
25	60.72	60.71	61.67	58.81	59.43	60.37	21.8	23	24.5	26.5	25.5	24.6	28.7	21.4	96	96	96	84	88	95	2.8
26	59.38	59.44	60.40	58.38	58.43	60.17	23.6	23.6	27.5	28.6	26	23.7	29.9	22.8	100	99	78	70	84	98	------
27	59.07	59.45	60.28	58.04	58.30	59.85	23	21.2	27.2	28	26.2	24.7	29.5	20.8	98	98	75	74	86	93	------
28	59.17	59.25	59.85	58.12	58.58	59.84	23.7	22.3	28.4	29.2	26.7	23.2	30.3	21.9	95	97	75	74	83	94	------
Mean	59.13	59.36	60.26	58.13	58.60	60.04	23	22.1	26.9	28.1	25.6	23.6	29.6	21.3	95.4	96.1	76.1	73	84.2	92.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	106.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnigth.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	S	N	SW	SW	E	NNE	31.7	37.3	71.3	26.2	166.5	6	Ci.	S.-Cu.	6	Ci.	Cu. ENE
2	N	N	NW	S	NW	N	32.4	46.4	64.4	23.5	166.7	2	Ci.	Cu.	5	Ci.	Cu.
3	NW	N	NE	S	NW	NNE	27.1	44.5	67	28.5	167.1	8	Ci.-S.	S.-Cu.	7	Ci. E	cu.-N.NNE
4	NW	N	NNW	NE	NE	N	25.2	41.6	78.7	35.7	181.2	8	Ci.-S.	Cu.-N. E	6	Ci.	Cu. NNE
5	NE	NE	NE	NE	NE	N	24.1	52.3	67.4	26.6	170.4	8	Ci.-S.	Cu.-N.	8	A.-Cu.	Cu. N
6	NW	N	NW	E	SE	N	21.5	37.2	38.1	32	128.8	10	Ci.-S.	Cu.-N. E	10	Ci.-S.	Cu.-N.
7	N	N	NW	E	NE	NE	23.1	32.7	49.1	55.5	160.4	10	------	N.	10	------	N.
8	N	NW	W	E	W	NNE	45.1	39.1	48.3	21.5	154	10	Ci.-S.	Cu.-N. NE	7	Ci.	Cu. NE
9	N	N	N	N	N	NE	19.1	56.5	39.2	19.1	133.9	6	Ci.-S. E	Cu.-N.	9	Ci.-S.	Cu.-N.NE
10	NE	N	E	SE	NE	N	22.5	33.6	56	28.2	140.3	8	Ci.-S.	Cu.-N.	6	Ci.	Cu. ENE
11	N	N	SW	S	S	S	20.9	42.6	53.4	21.4	138.3	8	Ci.	Cu.-N.	8	Ci.	Cu. E
12	N	N	NW	SE	SW	N	27.9	35.1	43.8	27.4	134.2	10	Ci.-S.	Cu.-N. E	10	Ci.-S.	Cu.-N.
13	W	NNE	SW	N	N	N	21.4	40.5	52.1	22.8	136.8	8	A.-Cu.	Cu.-N NE	8	Ci.	cu.-N.ENE
14	N	NE	N	N	NW	N	19.9	43	51.7	27.7	142.3	8	Ci.	Cu.	10	Ci.-S.	Cu.-N.
15	N	N	N	N	N	NbyW	39.2	66.6	74.6	38.6	219	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
16	N	NEbyN	N	N	N	N	27.9	48	66.2	16.1	158.2	10	Ci.-S.	Cu.-N. NE	10	Ci.-S.	Cu.-N. NEbyN
17	N	N	SW	S	N	N	17.4	43.3	52.6	26.6	139.9	6	Ci.-S.	Cu.	8	Ci.	Cu.-N. E
18	N	N	W	S	N	N	21.4	31.4	46.7	16.9	116.4	6	Ci.	Cu.	10	Ci.-S.	Cu.-N.
19	N	N	NW	S	NW	NW	19.9	22.5	49.9	10.8	103.1	4	Ci.	S.-Cu.	10	Ci.-S.	Cu.-N.
20	N	N	N	S	N	N	26.2	33	45.7	27.9	132.8	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
21	N	N	N	N	N	N	26.6	37.6	72.9	58.4	195.5	10	Ci.-S.	Cu.-N.	10	Ci.-S.	cu.-N.ENE
22	N	N	N	N	N	N	30.6	70	76.9	26.2	203.7	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
23	N	N	N	N	N	N	27.6	70.3	66.2	34.4	198.5	6	Ci.	S.-Cu.	8	Ci.	cu.-N. NW
24	N	N	N	NW	N	NW	32.2	60.6	76.2	10.3	179.3	4	Ci.	Cu.	6	Ci.	Cu. N
25	NW	NW	SSW	SE	N	NW	6.6	31.4	49.9	21.5	109.4	10	Ci.-S.	Cu.-N.NW	10	Ci.	Cu.-N. WNW
26	N	Calm	W	WNW	NW	NWbyW	-----	42.3	65.2	16.7	------	8	A.-Cu.	cu.-N.WSW	8	Ci.	Cu. NW
27	NW	NW	NW	NNW	N	Calm	17.1	36.8	53.6	21.9	129.4	4	Ci.	Cu.-N.	10	Ci.	cu.-N. NW
28	NW	NW	SW	S	N	N	18.5	44.1	52.6	23.1	138.3	7	Ci.-S.	S.-Cu.	9	Ci.	Cu.-N.
Mean	------	------	------	------	------	------	24.9	43.6	58.2	26.6	153.5	7.7	------	------	8.5	------	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------

ORMOC.

[ϕ=11° 00′ N; λ=124° 36′ E; barometer above sea, 5.6 meters; gravity correction not applied, —1.83 mm.]

MARCH, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.02	59.90	61.08	58.79	59.04	60.16	22.9	21.5	28.2	28.7	26.1	23.2	30.5	21.1	95	95	74	73	83	95	------
2	59.22	59.92	60.49	58.27	58.55	59.79	20.3	19.6	27.2	30.4	26.5	22	30.7	19.3	93	96	72	61	76	92	------
3	59.56	59.56	60.71	58.37	58.88	60.58	21.4	21.5	27.5	29.5	27	24.3	30.3	20.6	95	95	68	61	77	92	------
4	59.74	60.21	61.06	59.04	59.66	61.10	21.8	21	28.6	28.4	26	23.9	31.7	20.5	92	95	60	64	69	76	------
5	60.04	60.58	61.48	59.48	59.70	60.95	19.9	18.1	27.6	29	27.2	23	30.8	17.9	86	94	62	64	65	74	------
6	60.09	60.57	61.61	58.98	58.75	60.07	18	16.6	26	28	26	19.7	29	16.2	84	94	58	60	76	93	------
7	59.13	59.84	60.73	58.59	58.96	60.19	18.4	17.8	26.5	29	26	22	29.8	17.4	95	94	63	55	73	87	------
8	59.31	59.98	60.88	58.19	58.77	59.68	18.6	17.7	27	29.5	27	22.3	30.1	17.1	95	93	63	61	77	91	------
9	59	59.20	60.19	58.22	58.68	59.70	20.4	20.1	28	28.7	27.7	23.1	30	19.9	94	95	63	66	68	90	------
10	58.56	58.84	58.55	57.44	57.78	59.25	20.1	19.6	26.7	27.5	27.8	25.5	29.7	19.1	93	94	67	73	76	81	------
11	58.19	58.44	59.22	57.98	57.88	59.72	24.4	23.5	26.5	25.4	25	23.6	28.1	22.4	85	96	85	97	93	95	6.1
12	59.15	59.56	61.03	59.16	59.64	61.39	22.4	21.6	28.6	31	28	24.5	31.5	21.3	96	96	73	59	70	74	------
13	60.25	60.66	61.86	59.53	59.30	60.61	22.6	21.4	27.4	28.7	26.6	23	29.9	20.6	86	92	70	69	87	88	6.9
14	59.59	59.83	60.83	58.34	58.42	59.86	21.8	21	28	29.5	28	23.2	30.5	20.6	92	92	70	68	67	87	------
15	58.47	59.05	59.95	57.51	57.87	59.44	22.3	21	27.7	29.9	27	23.6	31.4	20.7	89	93	72	65	82	90	------
16	58.44	58.80	59.87	57.66	58.34	59.35	23	22.5	28	32	28.5	26	32	22.1	96	96	74	63	74	76	------
17	58.44	58.75	60.27	57.96	58.74	59.89	21.5	20.7	28	29.8	25.5	22.6	30.8	20.5	95	98	71	73	88	93	------
18	59.34	59.55	60.33	58.25	58.47	60.34	21.3	20.6	28.4	29.5	28	26.4	30.2	20.5	97	98	78	71	77	89	------
19	59.48	59.62	60.68	58.48	58.54	60.26	24.6	23.2	30	32	28.5	24.4	33	22.7	93	95	68	46	67	72	------
20	59.92	60.43	60.95	58.79	59.51	60.52	22.3	21.7	29.3	29.4	23.5	22.5	31.1	20.5	91	94	60	68	96	96	34.8
21	59.51	60.22	61.38	59.08	59.90	60.70	21.8	21.2	27.6	29	24	22.7	30.4	21	96	97	73	71	91	94	2
22	59.61	60.39	61.02	59.15	59.83	60.80	25.2	23.5	29.5	28.5	26.5	23.5	29.7	21.5	93	91	64	70	84	90	2.3
23	59.91	60.82	61.23	59.01	59.17	60.35	21.3	20.8	29	29.3	27.2	26.4	30.2	19.5	90	89	64	72	83	73	------
24	59.40	60.09	61.14	59.12	59.44	60.79	21.2	19.6	28.5	29.2	25.5	23.5	30.1	19.2	95	94	67	73	76	88	------
25	59.80	60.38	61.10	58.85	59.98	61.06	21.1	20.7	28.4	29	25	24.8	30.4	20.3	98	94	71	68	88	81	1
26	60.07	60.96	62.01	60	60.24	61.54	22	21.7	27	25.5	26.7	26.2	30	20.8	96	95	73	86	75	68	2
27	60.49	61.45	62.38	60.36	60.43	62.06	22.5	21.8	27.6	27	26.8	24	29	21	92	93	77	84	74	84	11.2
28	60.97	61.08	61.98	59.82	60.54	61.69	21.6	23	27.6	29	24.5	24.5	30	21.2	87	91	80	75	87	87	10.2
29	60.50	60.49	61.50	59.41	59.89	61.80	23.9	25.6	30	30.8	27.5	26	31.7	22.8	90	96	65	64	66	76	------
30	60.27	60.26	60.83	59.21	59.04	60.48	23.8	24.7	29	30	27.5	24.6	31.5	22.9	84	78	61	62	75	82	------
31	59.42	59.04	60.09	58.01	56.97	58.56	24.1	23.5	27.4	26.7	26.4	24.6	28	23	86	89	74	83	85	95	------
Mean	59.51	59.95	60.85	58.74	59.06	60.41	21.8	21.2	28	29	26.6	23.9	30.4	20.5	91.9	93	69	68.5	78.2	85.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	76.5

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	N	SW	S	N	N	-----	37.5	66.6	27.2	------	4	Ci.	Cu.	9	Ci.	Cu.-N.
2	N	N	S	S	NW	NW	23.9	43.5	65	15.6	148	6	Ci.	Cu.	8	Ci.	Cu.-N. N
3	NW	NW	WSW	S	NNW	NW	17.5	32.4	59	12.9	121.8	7	Ci.-S.	Cu.-N. NE	5	Ci.	Cu.
4	NW	NW	ENE	S	NE	NW	11.3	57.9	72.7	27.7	169.6	8	Ci.-S.	S.-Cu.	8	Ci.	Cu.-N. NE
5	NE	NE	SW	SSW	SE	NE	23.8	46.9	80.5	31.7	182.9	4	Ci.	S.-Cu.	4	Ci.	Cu. NNE
6	N	NbyE	SW	S	N	N	30.4	46.4	65.5	23.5	165.8	7	Ci.	S.-Cu.	4	Ci.	Cu. N
7	N	N	W	S	W	NW	29.8	41	59.7	20.3	150.8	4	A.-Cu.	Cu.	7	Ci.	Cu. E
8	N	N	SW	SW	NNW	N	30	43.1	67.1	19.5	159.7	2	------	Cu.	6	------	Cu. E
9	N	N	W	SSE	NW	N	19.6	43.8	75.9	22.7	162	5	Ci.-S.	S.-Cu.	9	Ci.	Cu.-N. E
10	N	N	NW	S	S	NbyW	23.8	43.7	42.6	24.7	134.8	5	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
11	NbyW	NW	SW	N	SE	N	23	39.2	36.2	15.9	114.3	10	Ci.-S.	N.	10	------	N.
12	N	N	S	ESE	SE	ENE	23.9	63.3	67.8	22.2	177.2	2	Ci.	Cu.	3	------	Cu.
13	NNE	N	SW	W	N	NNE	22	44.9	43.7	33.5	144.1	2	Ci.	Cu.	10	------	Cu.-N. E
14	N	NbyE	SW	S	NE	NNE	22	44.6	52.1	25.2	143.9	2	Ci.	Cu.	7	------	Cu. E
15	N	NNE	SW	SW	N	N	22.7	46.4	61.7	20.7	151.5	2	------	Cu.	6	------	Cu. E
16	NE	N	SSW	SW	E	E	17.5	37.7	52.9	30.8	138.9	8	Ci.-S.	Cu.-N.	7	------	Cu.
17	N	N	SW	S	N	NNE	31.2	42.9	62.2	23.1	159.4	2	Ci.	Cu.	8	Ci.-S.	Cu.-N.
18	NNW	NbyW	S	S	S	S	25.4	42.8	75.3	37.3	180.8	7	Ci.-S.	Cu.	8	Ci.-Cu.	Cu.
19	N	N	SW	NNE	N	NE	17.4	40.4	74.3	23	155.1	3	A.-Cu.	Cu.	6	Ci.-Cu.	Cu. E
20	N	N	SW	SSW	SE	N	23.5	45.1	88	22	178.6	7	A.-Cu.	Cu.-N. NE	8	Ci.	Cu.-N
21	N	N	SW	S	N	N	24.9	47.7	48.1	26.9	147.6	4	Ci.	Cu.-N. EbyN	10	Ci.	Cu.-N. E
22	ENE	N	ENE	SSE	N	N	41.3	48.3	57.4	-----	------	7	Ci.-S.	Cu.-N. NE	7	Ci.-S.	Cu.-N. NE
23	Calm	Calm	SW	S	W	E	-----	-----	60.4	-----	------	4	Ci.-S.	S.-Cu.	7	Ci.	Cu. NE
24	Calm	N	SW	S	S	N	-----	37.8	63.6	19.9	------	6	Ci.-S.	S.-Cu.	8	A.-Cu.	Cu.-N. NE
25	N	N	S	S	NNE	NE	21.7	48.3	62.2	34	166.2	3	Ci.	Cu.	10	Ci.	Cu.-N. NE
26	N	N	SW	SE	SE	SE	25.7	43.8	40	25.7	135.2	6	Ci.	S.-Cu.	10	Ci.-S.	Cu.-N.
27	N	NW	SW	SSW	SE	NE	23.6	37.8	34.9	34.3	130.6	4	A.-Cu.	Cu.	10	Ci.-S. E	Cu.-N.
28	N	N	SbyW	SW	W	NE	29.5	55	56.1	31.2	171.8	7	A.-Cu.	Cu.-N. E	8	A.-Cu.	Cu.-N. EbyN
29	N	NE	ENE	ENE	NE	NE	-----	75.6	84.3	41.2	------	6	A.-Cu. SE	Cu.-N.	10	Ci.-S.	Cu.-N. E
30	NE	N	NNE	NE	N	N	22.8	46.7	48	23	140.5	8	A.-Cu.	Cu.-N. NE	10	Ci.-S.	Cu.-N.ENE
31	N	EbyN	NW	SE	N	NE	22.3	28	25.7	14.5	90.5	8	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
Mean	------	------	------	------	------	------	24.1	45.1	59.7	25.2	150.8	5.2	------	------	7.8	------	------

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[ϕ=11° 00′ N; λ=124° 36′ E; barometer above sea, 5.6 meters; gravity correction not applied, —1.83 mm.]

APRIL, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.52	57.43	58.42	56.04	57.26	58.34	23.9	23.8	26	28.7	24.4	22.5	29.4	22	95	94	84	76	92	96	15.8
2	57.54	57.94	58.55	57.50	58.07	59.34	22.1	21.7	28	25.6	24.3	23.5	28.6	21.4	96	96	74	95	97	93	20.9
3	58.35	58.19	59.34	58.14	59.01	59.97	22.8	22.2	27.5	27	26.5	26.1	29	22	96	98	81	86	88	79	4.3
4	58.97	58.97	59.72	57.75	58.10	59.23	25	23	29	27.6	26.5	23.5	30	22.2	85	87	68	81	88	96	------
5	58.37	58.65	59.56	57.01	57.69	59.01	23.1	23	26.5	28.4	26.5	24.7	29.4	22.4	97	96	88	71	85	91	6.9
6	58.07	58.54	59.03	57.40	57.69	59.15	24.1	23.6	27.7	28.5	26	25	30	23.1	94	97	72	67	84	87	1.1
7	57.76	57.77	59.10	56.25	57	58.40	24.1	24	27.5	29.2	26.4	24.9	31	23.7	97	97	81	74	93	97	8
8	57.66	57.84	58.83	56.11	56.70	58.22	23.8	23.1	27.5	30	26.4	23.5	30.5	22.7	97	97	78	69	90	91	------
9	56.97	57.44	58.60	55.71	56.65	57.75	22.4	22.1	28	29.5	26.7	26.3	31	22	96	96	85	75	91	82	------
10	56.79	57.30	58.35	56.20	56.42	57.80	24	22.4	27.7	28	28	23.6	30.5	22.1	95	96	83	75	70	90	9.4
11	56.90	57.06	57.84	55.53	56.48	58.47	22.5	21.3	29	30.5	29	25.6	31.4	20.9	94	95	74	73	68	86	------
12	57.18	58.19	58.93	56.47	57.11	58.94	24.4	22	29.2	30.7	28.5	24.6	32.4	21.4	91	96	70	67	70	82	------
13	58.18	58.49	59.50	57.60	57.45	59.05	24.2	22.3	29.2	31	29	24.9	31.5	22.1	83	88	63	65	68	84	------
14	58.23	58.15	58.97	57.04	56.91	58.82	23	21.7	29.2	29	26.6	23.2	30.9	21.4	92	95	76	76	92	94	------
15	57.66	57.61	58.58	56.48	57.09	59.03	22.1	21.4	28.8	29.9	29	23.3	30.8	21	96	96	71	72	78	93	------
16	58.11	58.53	59	56.82	57.42	59.12	22.3	21.5	29	30.4	28.5	26.6	31	21	94	95	68	66	78	76	------
17	58.40	59.18	59.30	57.02	57.29	59.17	22.6	21	29.4	29.5	28	25.5	31	20.7	89	95	67	72	77	88	------
18	58.53	58.92	59.20	57.32	57.85	59.43	23.5	22.9	28.8	29.2	28.5	24.5	30.3	22.3	92	96	76	76	78	89	------
19	58.24	58.63	59.82	58.37	59.60	60.90	23.1	22.4	29	27	27	24.5	30	22	91	96	75	88	88	92	3.1
20	60.01	60.28	60.64	59.47	59.03	61.09	23.1	21.8	28	27	27.5	25.2	29.4	21.5	93	94	80	84	84	94	1.5
21	60.04	59.85	60.80	58.77	59.56	60.09	24.9	24	27	28.6	26	24.5	30.4	23.1	92	91	84	73	92	96	2.3
22	59.18	58.99	59.17	56.82	57.59	58.56	24.1	23.9	24.4	21.5	21	22	25	21	97	97	97	95	91	91	8.9
23	57	57.14	58.45	56.84	57.55	59.11	23.1	23	28	28.7	26.6	25	29.9	21.1	85	83	74	76	87	91	------
24	58.17	58.73	59.82	57.36	58.33	60.10	23.6	25.1	29.2	30.6	28.5	26.6	31.2	23	94	86	76	68	78	83	------
25	58.96	59.77	61	58.16	59.58	61.34	24	23.6	28.5	30.4	28.6	26	30.6	23.3	91	96	77	72	73	86	------
26	60.20	60.67	61.13	58.39	58.85	60.49	23.8	23.1	29.2	30	28.5	26.2	31	22.7	93	96	73	75	78	90	------
27	59.19	59.55	60.19	57.48	57.99	59.42	24.9	23.2	29.2	30	28.6	25.6	30.6	22.9	92	97	76	71	75	88	------
28	58.44	58.34	58.91	57.09	57.34	59.09	25.2	24	29	29.5	29.4	26.3	30.9	23.7	93	96	78	75	79	86	------
29	58.33	58.69	58.89	57.40	57.44	59.05	23.7	23	30	29	29	24	31	22.6	97	97	71	78	74	93	------
30	58.32	58.58	59.23	58.13	58.36	59.53	23.3	22.9	29.5	27.6	27.5	24.7	31.5	22.3	95	97	75	87	84	94	4.1
Mean	58.24	58.51	59.30	57.22	57.78	59.27	23.6	22.8	28.3	28.8	27.2	24.7	30.3	22.1	93.1	94.5	76.5	75.9	82.3	89.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	81.3

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	Calm	SE	W	W	N	21.7	30.4	46.7	22.5	121.3	10	Ci.-S.	Cu.-N. E	8	Ci.-S.	Cu.-N.ENE
2	N	NE	W	N	N	N	19.9	33	35.4	19.6	107.9	5	Ci.	Cu.	10	------	N. NE
3	SE	N	NNW	NW	SE	ENE	19.3	29.2	33	33.8	115.3	6	Ci.-S.	Cu.-N.	8	Ci.	Cu.-N. E
4	NE	N	SW	SE	N	N	30.8	42.4	48.5	15.6	137.3	7	Ci.	Cu.-N. E	10	Ci.-S.	Cu.-N. E
5	N	N	SSE	NE	N	NW	16.6	25.1	46.5	26.9	115.1	7	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.-N.ENE
6	N	N	NbyE	NE	N	NNE	17.2	46.4	51.2	14.8	129.6	9	Ci.-S.	N. NE	10	Ci.-S.	Cu.-N.
7	N	N	NNW	W	SW	N	20.4	28.8	52.1	18.5	119.8	10	Ci.	Cu. NE	10	Ci.-S.	Cu.-N.ENE
8	N	N	SW	S	N	N	18.2	27.1	52	23.8	121.1	4	A.-Cu.	Cu. E	7	Ci.	Cu. ENE
9	N	N	S	NW	N	NE	29.2	33	47.5	19.8	129.5	5	Ci.	Cu. EbyS	8	Ci.-S.	Cu.-N.
10	NE	N	N	S	SE	NE	21.5	39.7	61.7	26.6	149.5	4	Ci.	Cu. E	7	A.-Cu.	Cu. E
11	N	N	SSW	SW	E	NE	26.9	63.6	64.6	28.4	183.5	4	Ci.	Cu.	7	Ci.-S.	Cu.
12	ENE	N	SW	S	E	NE	28.4	48	65	25.4	166.8	3	Ci.	Cu.	4	Ci.	Cu. ENE
13	N	N	SW	SW	N	NbyE	26.7	59.2	61.4	26.8	174.1	3	Ci.	Cu.	3	------	Cu.
14	N	N	SSW	SbyE	N	NNE	22.8	51.8	66.5	23.1	164.2	3	Ci.	Cu.	10	Ci.-S.	Cu.-N. E
15	N	NNW	W	S	SW	N	26.6	38	40.7	24.4	129.7	6	Ci.-S.	S.-Cu.	9	Ci.	Cu.-N. NW
16	N	N	SW	S	SE	ESE	24.4	45.7	52.8	37.8	160.7	3	Ci.	Cu.	6	Ci.	Cu. N
17	N	N	W	S	E	N	29	37	60.2	23.5	149.7	7	Ci.-S.	Cu.	9	Ci.	Cu.-N.
18	N	N	S	S	S	NW	17.9	41.8	49.7	18.2	127.6	10	A.-Cu. N	Cu.-N.	10	Ci.	Cu.-N.
19	NW	N	W	NNW	NE	NW	21.7	31.4	39.1	17.4	109.6	8	Ci.	Cu.	10	Ci.-S.	Cu.-N. N
20	N	N	WSW	SW	N	N	19.1	39.6	27.1	15.8	101.6	7	Ci.	Cu.-N. E	10	Ci.-S.	Cu.-N.
21	N	N	N	S	N	N	17.7	23.5	39.1	14.8	95.1	9	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. NE
22	N	N	N	NNW	N	NE	15	20.4	76.9	15.6	127.9	10	------	N.	10	------	N.
23	NE	NE	SSE	SbyE	SE	NE	28.2	87.7	90.6	21.7	228.2	8	Ci.-S.	Cu.-N. SW	8	Ci.-S.	cu.SWbyW
24	NE	E	S	S	SE	NE	22.2	50.4	65	19.1	156.7	3	------	Cu.	6	Ci.-S. E	Cu.
25	N	N	SSW	S	E	N	22	44.5	59.3	22.3	148.1	9	Ci.-S.	Cu.-N.	6	A.-Cu. S	Cu.
26	N	swbyw	S	S	E	NNW	22.7	56.8	58.1	22.3	159.9	4	A.-Cu.	Cu.	5	Ci.-S. E	Cu.
27	N	N	S	S	S	NE	24.9	52.1	58.2	21.1	156.3	3	Ci.	Cu.	7	Ci.-S.	Cu.
28	NE	NW	S	S	S	NE	20.9	65.8	64.2	21.5	172.4	10	Ci.-S.	Cu.-N. SW	6	Ci.-S. E	Cu.
29	Calm	NNW	S	SbyE	N	N	-----	43.5	54.1	-----	-------	6	Ci.-S. E	Cu.	8	Ci.-S. SE	Cu.
30	Calm	N	SW	SE	SE	NE	-----	43.8	45.9	21.5	-------	7	Ci.-S.	Cu.-N.	9	Ci.-S	Cu.-N.
Mean	------	------	------	------	------	------	22.6	42.7	53.8	22.2	141.4	6.3	------	------	8	------	------

ORMOC.

[ϕ=11° 00′ N; λ=124° 36′ E; barometer above sea, 5.6 meters; gravity correction not applied, —1.83 mm.]

MAY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.90	58.92	59.74	57.11	58.35	59.50	23.5	23.1	29	30.7	24.8	24	31.4	22.7	96	97	75	71	98	96	42.2
2	58.54	58.67	58.86	56.95	57.64	58.72	23.1	22.3	28.4	25.7	26	24.7	29.5	21.9	97	97	79	86	84	94	2.3
3	58.08	57.79	58.84	57.27	57.93	59.42	23	21.5	29	28.5	27.2	24	29.8	21	95	95	71	78	84	91	------
4	58.44	58.87	59.80	58.42	59.24	60.75	23	22.6	28.7	29	26	23.8	30.6	22	93	95	78	74	92	97	.3
5	59.87	60.60	61.17	58.78	59.40	60.91	23.2	22.5	28.5	28	26.5	24	29.6	22.2	97	96	78	81	91	92	------
6	59.78	60.52	60.60	58.86	58.90	60.36	23.2	22.1	29.1	26.6	25	24.4	30.4	21.7	95	96	74	83	93	92	------
7	59.64	60.37	60.88	58.13	58.93	60.76	23.5	24.5	27.5	29.9	29	25.4	30.4	23.1	93	92	76	65	64	80	.3
8	59.32	59.40	59.80	57.47	57.93	59.71	23	22.6	28.8	30.6	27	23.5	31.4	21.9	91	91	76	68	84	92	------
9	58.99	59.49	60.51	57.68	58.23	59.74	22.3	21.5	29.2	30	27	22.9	31.6	21.1	95	95	78	65	84	89	------
10	59.01	59.19	60.22	57.87	58.08	60.06	22.6	22.5	29.5	30	27.6	24.5	31	22.2	93	92	75	75	91	92	1
11	58.50	58.83	59.70	57.71	57.91	59.42	23.1	22.1	29.2	28.5	25	24	30.5	21.8	94	96	72	78	92	91	5.1
12	58.97	58.63	58.64	56.45	57.62	58.76	23.2	22.9	29.5	31.5	24.5	23.4	32	22	95	94	72	66	96	97	.5
13	58	58.67	59.56	58.15	57.51	59.02	22.7	22.8	26.5	26.4	26.5	25.2	27.5	22.4	96	95	88	85	84	88	2.5
14	58.09	57.57	59	57.51	57.82	59.34	23.3	22.3	28	24.6	23.6	23.9	29.8	22	93	97	80	99	99	97	18.6
15	58.48	58.45	58.99	57.73	57.75	59.29	23.2	23.1	28.5	27.4	27.7?	24.2	29.5	22.1	96	97	85	90	82	90	------
16	58.77	58.89	60	57.77	57.68	59.13	23.7	23.5	28.4	23.9	24.5	22.2	29.6	21.6	95	96	78	97	99	98	2.6
17	57.76	58.24	58.89	57.10	57.43	58.84	21.6	21.9	29.2	27	27	23.1	29.6	21.3	97	96	71	84	87	95	------
18	57.28	57.69	58.63	56.54	57.09	58.58	22.2	21.8	27.8	28	27.5	26.1	29	21.4	96	95	75	78	78	76	------
19	57.82	58.01	58.52	56.39	57.29	58.72	22.9	22.1	29.5	30	27	24	31	21.6	94	95	69	68	80	91	------
20	57.63	57.94	58.34	56.95	57.71	59.29	22.5	22	29.3	29.4	26.9	23.6	31	21.6	97	96	76	75	89	96	------
21	57.95	58.56	58.58	56.51	57.25	58.47	22.9	22.5	29.5	30	29	24.1	31.2	22.2	97	96	72	73	81	91	------
22	57.62	57.72	57.59	56.39	56.99	58.68	23.2	22.9	30.8	30	27.5	24.1	32	22.4	97	93	70	68	73	86	------
23	57.48	57.79	58.24	55.90	56.25	58.41	22	21.7	30	31	28.5	23	31.9	21.1	93	95	73	69	75	91	------
24	57.08	57.08	57.74	55.77	56.13	58.22	22.2	21.8	30	30.6	29	24.5	32.2	21.5	93	95	71	71	68	89	------
25	57.33	57.86	58.89	56.79	57.78	59.06	23.1	22.3	29.1	29.9	28	24.2	31	21.8	92	93	77	69	77	94	13.7
26	58.60	58.18	59.05	57.17	57.94	59.71	22.8	22.1	29.2	30.5	27.6	24.5	30.9	21.5	93	91	67	70	84	89	------
27	58.85	59.01	59.09	57.03	57.23	59.11	23.3	22.4	30	30.8	28.5	24.7	31	22	90	95	71	69	81	92	------
28	58.33	58.57	58.55	56.41	56.80	58.55	23	22.6	29.5	31	28	25	31.4	22.3	94	95	78	71	88	84	------
29	57.59	57.87	58.23	56.09	56.54	58.01	23.4	22.9	29.6	30.5	28	25	31.1	22.4	92	93	72	68	85	94	------
30	57.39	57.70	58.04	56.30	56.99	58.61	22.9	24	29.6	30.4	28	25.5	31.3	22.5	93	91	77	72	79	84	------
31	57.91	57.92	58.33	56.98	57.46	58.97	23.9	23.1	29.2	30	27	24.6	31	22.6	92	92	76	71	84	92	1.3
Mean	58.32	58.55	59.13	57.17	57.67	59.23	23	22.5	29	29	26.9	24.2	30.7	21.9	94.3	94.6	75.2	75.4	84.7	91	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	90.4

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NW	N	SW	S	SE	N	18.2	46.4	79.1	23	166.7	8	Ci.-S.	Cu.	7	Ci.	Cu. NE
2	N	N	S	S	E	NE	19.9	41.5	-----	33.5	------	8	A.-Cu. WbyN	Cu.-N.	10	Ci.-S.	cu.-N. NW
3	NE	N	SW	S	S	S	21.1	44.3	54.7	22.2	142.3	4	Ci.	Cu.	8	Ci.-S. SE	Cu.-N.
4	N	NNW	SW	NW	N	N	24.4	51	46.2	20.9	142.5	4	Ci.-S.	Cu.-N. E	10	Ci.-S.	Cu.-N.
5	N	N	SW	E	N	N	24.1	33.5	22.5	19.3	99.4	6	A.-Cu.	Cu.	10	Ci.-S.	Cu.-N.
6	N	N	S	NNE	N	NNE	23.8	40.8	36.4	-----	------	3	Ci.	Cu.	10	Ci.-S.	Cu.-N.
7	N	N	S	S	S	NE	----	48.3	70.5	31.1	------	8	A.-Cu.	Cu.-N.	8	Ci.-S. E	Cu.
8	N	N	SW	S	N	NbyW	20.9	38.6	56.9	25.4	141.8	6	Ci.-S.	Cu.	7	Ci.-S. NE	Cu.
9	N	N	sbyw	SE	NW	N	25.4	41.5	53.7	19.9	140.5	2	Ci.	Cu.	8	Ci.	Cu.-N.
10	N	N	SSW	S	NE	N	27.6	44.9	42.9	23.1	138.5	2	Ci.	Cu.	8	Ci.-S.	Cu.-N.NE
11	N	N	SSW	WSW	N	NbyE	24.6	40.2	48.1	25.5	138.4	3	Ci.	Cu.	10	Ci.-S.	Cu.-N.
12	N	N	WSW	S	N	N	29.3	42.1	-----	27.6	------	6	Ci.-S.	Cu.	6	Ci.-S.	Cu. ENE
13	N	N	S	SE	SE	N	26.2	20.4	22.2	25.7	94.5	10	Ci.-S.	Cu.-N. E	10	Ci.-S.	Cu.-N. E
14	N	N	N	N	N	N	21.7	32.4	45.3	26.2	125.6	9	A.-Cu. EbyN	Cu.	10	Ci.-S.	Cu.-N.
15	N	N	S	SE	S	N	22.7	40	38.4	23.1	124.2	8	A.-Cu. E	Cu.-N.	10	Ci.-S.	Cu.-N. E
16	N	N	SSE	N	N	N	24.9	40.5	32.5	25.2	123.1	7	Ci.-S.	Cu.-N. E	10	------	N.
17	N	N	SW	NNW	NW	N	25.7	44	39.1	23.1	131.9	4	A.-Cu. SE	S.-Cu.	9	Ci.-S.	Cu.-N.
18	N	N	SE	NW	SE	NE	21.7	36.2	41.2	29.6	128.7	2	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
19	N	N	SW	S	S	N	22.8	41.7	72.6	25.1	162.2	2	Ci.	Cu.	5	Ci.-S.	cu.-N. ENE
20	N	N	SW	S	N	N	24.3	48.5	35.6	19.5	127.9	4	A.-Cu. E	Cu.	10	Ci.-S.	Cu.-N. SE
21	N	N	S	S	S	NNE	24.4	38.4	61.8	27.9	152.5	4	Ci.	Cu.	6	Ci.-S.	Cu.-N. E
22	N	N	S	SE	SE	N	26.2	55.8	60.6	29.6	172.2	2	Ci.	Cu.	6	Ci.	Cu.-N. E
23	N	N	SW	S	N	N	27	46.5	62	30.9	166.4	3	Ci.	Cu.	7	Ci.	Cu. NE
24	N	N	S	S	E	NE	29.6	69.2	56.3	29.8	184.9	4	Ci.	Cu.	6	Ci.	Cu.-N. E
25	N	NNW	W	NW	SE	NW	25.9	35.9	30.6	21.9	114.3	4	Ci.	Cu.	8	Ci.-S.	Cu.-N. E
26	N	NW	SW	S	SE	N	23.6	32.5	54.9	22.5	133.5	3	Ci.	Cu.	6	Ci.	Cu. E
27	N	N	SW	S	SE	NE	26.4	39.2	75.8	20.9	162.3	6	Ci.	Cu.	7	Ci.	Cu.
28	N	N	SW	S	N	N	23.6	38.3	56.8	19	137.7	7	Ci.	Cu.	6	Ci.	Cu. NE
29	N	N	S	S	N	N	21.7	50.7	59.5	17.2	149.1	4	Ci.	Cu.	7	Ci.	Cu. NE
30	N	N	S	S	N	N	22.7	42.8	46.5	20.4	132.4	2	Ci.	Cu.	7	Ci.	cu.-N.NNE
31	N	NNE	SW	S	N	N	21.5	36.2	75.1	20.3	153.1	4	Ci.	Cu.	9	Ci.-S.	cu.-N. ESE
Mean	------	------	------	------	------	------	24.1	42	51	24.3	140.2	4.8	----------	----------	8.1	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	------	------	----------	----------	------	----------	----------

ORMOC.

[ϕ=11° 00′ N; λ=124° 36′ E; barometer above sea, 5.6 meters; gravity correction not applied, —1.83 mm.]

JUNE, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.93	59	59.76	57.68	58.42	59.40	24	22.9	28.4	29.5	28.2	25.6	29.9	22.5	95	97	71	66	69	83	
2	59.03	59.92	60.30	58.91	58.85	59.84	22.9	22.1	26.5	29	27.5	23.5	29.5	21.8	89	92	84	71	78	93	
3	58.98	59.32	60.02	59.48	59.17	60.91	22.9	22.5	29.5	25.2	23.6	23.3	30.2	21.9	94	96	72	94	97	97	4.3
4	59.68	59.50	59.93	57.93	58.80	59.94	23.2	23	28	30	26.1	23.3	31	22.6	98	97	81	71	93	94	
5	59.66	59.30	59.14	56.85	58.01	59.98	22.4	22.5	29.5	28.4	25.5	24.2	30.8	21.5	93	93	68	78	96	98	5.6
6	58.68	58.53	58.69	56.53	57.48	58.83	24.2	23.4	28.5	31	26.7	23.5	31.6	22.3	93	97	74	67	86	92	1.8
7	57.50	58.28	58.83	56.66	57.67	58.95	22.1	22.2	29.5	30.5	26.5	23.7	31.6	21.8	95	94	71	70	92	94	2
8	57.65	58.46	58.62	56.97	57.65	59.06	22	22.7	29.4	29.5	27.2	24.5	31	21.6	96	93	73	75	90	92	
9	58.18	58.52	59.45	58	58.33	59.94	23	22.6	29.3	30.4	24.7	23.9	31.5	22.3	94	95	71	66	94	96	4.8
10	58.99	59.40	59.99	58.82	58.61	59.84	23	22.5	29.2	23.5	24.5	24	30.6	22.1	96	95	76	100	97	96	32.5
11	59.09	58.92	59.20	57.35	57.81	58.83	22.3	22	29.7	27.4	25.6	24	30.4	21.4	96	96	73	89	96	97	13.2
12	58.25	58.27	58.92	57.34	58.26	59.41	23	22.6	26.3	30	24.5	23.6	30.4	22.5	96	97	92	75	96	97	7.8
13	58.29	58.73	59.30	57.78	59.34	61.19	22.7	23.9	28.3	29	24	23.5	30.2	22.2	97	97	81	78	96	97	17.8
14	60	59.83	60.32	59.12	58.92	60.35	23.8	22.7	28	29	29	25.5	30.5	22.2	97	97	79	75	73	93	
15	59.75	60.12	60.31	58.38	58.54	59.43	24	23.5	30	31.9	29	25.5	32.1	22.7	95	97	75	58	78	93	
16	58.62	58.46	58.96	57.90	57.46	58.37	25.2	24.1	29.8	26.5	28.3	25.2	30.4	23.8	94	96	74	86	79	94	1.3
17	57.22	56.96	57.32	56.04	56.69	58.39	24.6	24.5	29.6	29.5	28.5	24.2	30.9	22.8	94	92	67	72	81	90	3.8
18	57.28	57	57.80	56.03	57.06	59.46	25.4	27	26.8	28.8	28.5	24	29.8	23.9	87	81	86	76	74	91	2.8
19	59.19	59.04	58.87	57.53	57.65	59.09	23.9	25.5	28.5	29.6	28.2	26.8	31	23.8	88	83	75	74	77	78	
20	58.21	59.07	59.66	57.45	57.57	59.79	24.1	23.3	30	30.3	27.6	24.5	31.7	23	95	97	69	67	87	92	
21	59.17	59.95	60.29	58.05	58.83	60.64	23.5	23	28.8	29.8	29	25	31.2	22.6	95	96	79	62	78	88	
22	59.92	60.60	61.06	59.38	59.89	61.64	23.4	22.8	29.5	29.2	28	24.9	31	22.5	95	94	70	71	79	92	
23	60.97	60.97	61.02	59.49	59.66	61.01	23.5	24.5	29.5	24	24.8	22.8	30.8	22.4	96	92	75	96	93	97	31
24	59.59	59.63	59.70	57.63	58.21	59.26	22.4	22.5	29.2	30	26.5	24.5	30.6	22.1	98	97	76	74	84	96	4.5
25	58.11	57.83	58.53	56.69	57.08	58.82	23.9	23.2	28.9	29.9	27.5	25.7	30.2	22.9	97	97	78	69	84	95	1
26	58.17	58.83	58.51	57	57.60	58.72	24.7	23.1	26.9	28.5	27.4	26.1	29.6	22.7	96	97	81	78	81	87	
27	57.79	57.93	58.63	57.45	57.45	58.85	23.4	23.5	28.4	28.8	28	25.5	30	23.1	94	91	75	76	81	91	
28	58.27	58.80	58.87	57.17	56.90	58.22	24.1	23.1	28.7	28.6	27	24	29.9	22.7	94	95	73	75	92	92	2.8
29	57.71	58.01	58.12	56.86	55.95	56.35	23.9	23.8	27.5	26	26.2	24.9	28	23	97	97	84	84	90	93	31.1
30	55.51	55.88	56.37	54.78	55.03	56.55	24	23.6	24.4	25.7	26.5	26	27.2	23	97	92	96	94	84	85	18.8
Mean	58.61	58.84	59.22	57.58	57.96	59.37	23.5	23.3	28.6	28.7	26.8	24.5	30.5	22.5	94.7	94.3	76.6	76.2	85.8	92.4	
Total																					186.9

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	N	ESE	ESE	NE	NE	23.3	38.4	40.7	27.1	129.5	6	A.-cu. EbyS	S.-Cu.	10	Ci.-S.	Cu.-N.
2	NE	NNE	N	NNW	W	N	28.7	21.7	19.8	21.7	91.9	10	Ci.-S.	S.-Cu. E	10	Ci.-S.	Cu.-N.
3	N	N	SW	ESE	N	N	23	28.4	52.5	23	126.9	4	A.-Cu. E	Cu.	10	Ci.-S.	Cu.-N.
4	N	N	SW	S	N	N	18.5	30.9	54.1	21.1	124.6	7	A.-Cu. E	N. E	9	Ci.-S.	Cu.-N. ENE
5	N	N	SW	S	N	N	22.3	47.2	47.3	24.7	141.5	8	Ci.	Cu.	10	Ci.-S.	Cu.-N. E
6	N	N	SW	SW	N	NW	20.6	24.6	65.4	21.4	132	10	Ci.-S. E	Cu.-N.	6	Ci.	Cu. E
7	N	N	SW	S	NW	N	28	43.1	45.4	25.2	141.7	2	Ci.	Cu.	6	Ci.	Cu. E
8	N	N	S	S	NW	N	25.5	43.8	56.8	19.9	146	4	A.-cu. EbyS	Cu.-N.	6	Ci.-S.	Cu.-N.
9	N	N	SW	NNW	N	N	27.7	32.7	45.3	21.1	126.8	3	Ci.	Cu.	9	Ci.-S.	Cu.-N.
10	N	N	S	NE	N	N	26.4	43.5	34.4	17.4	121.7	3	Ci.	Cu.	10		N.
11	N	N	SW	N	N	N	22	45.3	34	19.6	120.9	3	Ci.	Cu.-N.	10	Ci.-S.	Cu.-N.
12	N	N	S	SW	N	NbyW	24.7	19.5	30.6	16.1	90.9	8	Ci-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
13	N	N	W	S	N	N	23.3	30.1	82.4	55	190.8	10	Ci-S.	Cu.-N.	7	A.-Cu.	Cu.
14	NE	N	S	S	S	N	31.1	34.9	44.8	20.9	131.7	4	A.-Cu.	S.-Cu.	8	A.-Cu. SW	Cu.-N.
15	N	N	SW	NW	N	N	18.2	41.3	-----	20.4	-------	6	Ci.	Cu.	7	Ci.	Cu. W
16	N	N	S	SW	SSW	N	19.5	39.7	101.9	-----	-------	6	Ci.	S.-Cu.	10	Ci.-S.	Cu.-N. W
17	N	N	SE	SSE	S	NE	-----	69	111.8	-----	-------	7	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N. W
18	S	S	S	SE	SW	NW	-----	99.3	88.8	44.8	-------	10	Ci.-S.	Cu.-N. S	9	Ci.-S.	Cu.-N.
19	E	E	SE	S	SE	E	35.4	72.6	58.7	23.6	190.3	10	Ci.-S.	Cu.-N.	7	A.-Cu. N	Cu.-N.
20	N	N	S	S	S	N	-----	61.7	62.6	23.9	-------	7	Ci.-S. N	Cu.-N.	6	Ci.-S. SE	Cu.
21	N	N	SSE	S	S	N	21.4	44.1	31.2	20.7	117.4	8	A.-cu. EbyN	S.-Cu.	8	Ci.-S.	Cu.
22	N	N	S	N	NW	N	22.2	42.3	39.6	18.8	122.9	4	Ci.	Cu.	8	Ci.-S.	Cu.-N.
23	NE	N	S	SE	N	N	17.2	36.7	27.9	17.2	99	3	Ci.	Cu.	10	Ci.-S.	Cu.-N.
24	N	N	SW	WNW	NNE	N	20.4	36.5	45.3	19.8	122	4	Ci.	Cu.	6	Ci.	Cu. E
25	NE	N	S	SbyE	SW	N	17.7	47	30.6	27.1	122.4	9	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
26	NE	N	SE	S	SE	NE	28.8	42.4	63.9	23	158.1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N. SE
27	NE	NE	SE	SE	SW	NE	20.1	56.9	64.6	32.5	174.1	9	Ci.-S.	Cu.-N. W	10	Ci.-S.	Cu.-N.
28	N	NNW	SW	S	SE	NE	21.1	36.5	31.7	18.7	108	8	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
29	N	N	NW	S	N	N	25.4	25.7	26.7	17.2	95	10	----------	N.	10	Ci.-S.	Cu.-N.
30	SE	NNE	N	ESE	SW	SW	27.9	20.1	56	156.6	260.6	10	----------	N.	10	Ci.-S.	N.
Mean							23.7	41.9	51.5	28.5	135.5	6.6	----------	----------	8.7	----------	----------
Total																	

ORMOC.

[ϕ=11° 00′ N; λ=124° 36′ E; barometer above sea, 5.6 meters; gravity correction not applied, —1.83 mm.]

JULY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	55.59	56.22	56.97	55.86	56.78	58.46	25.8	26.5	27	27.8	28	24.6	28.7	24.4	84	80	84	79	80	90	5.8
2	57.92	58.20	59.70	58.95	59.25	60.16	24.5	26.8	28.5	26.5	25.6	24.1	29.5	23.4	90	86	80	76	91	95	2
3	59.49	59.57	59.88	58.04	58.38	59.80	23.5	22.8	28.3	29	25	23.6	30.9	22.5	97	97	80	78	93	96	------
4	59.17	59.18	58.78	57.65	57.85	59.41	23.4	23.3	30	25	25	24.2	30.4	22.9	90	90	67	96	93	94	5.1
5	58.38	58.92	59.18	57.32	57.75	59.22	23.2	22.6	28	29	27	24	30	22.4	95	96	77	71	84	96	------
6	57.98	58.54	58.85	56.49	57.57	59.08	22.8	22.1	29	30	28	25	30.9	21.9	97	96	71	69	85	96	------
7	58.37	58.27	58.69	57.37	57.96	59.98	22.8	22.3	29.2	28	26.5	24.8	30	21.9	97	97	73	77	88	93	27.5
8	59.22	58.49	59.40	57.73	57.98	59.44	23.6	23.4	27.5	29	28.3	25.9	30.2	22.9	97	96	77	71	80	85	------
9	58.34	58.65	59.17	57.43	57.98	59.40	23.6	22.8	29.7	30.5	29	24.6	31.8	22.2	97	95	72	68	78	91	------
10	58.69	58.69	59.48	58.01	58.13	59.59	23.3	23	29.3	30	28	25.3	31.2	22.7	94	97	66	62	77	91	------
11	58.52	58.75	59.29	57.04	58.01	59.53	23.8	23.2	29.6	30.4	26	25.4	31.6	22.5	93	94	70	65	80	89	64.3
12	58.51	58.82	58.96	57.70	57.18	57.88	24.2	23	24.5	25.5	24.1	23.5	26.6	22.5	97	98	96	92	97	96	40.8
13	56.14	56.39	56.37	55.33	55.36	57.01	24.1	24.6	25.9	26.5	26.5	27	27.4	23.2	93	91	81	76	84	78	1.3
14	56.08	56.12	55.79	54.35	55.68	57.75	26.8	27	28.5	29.2	24.4	27.3	30	21.9	78	78	70	74	84	82	5.3
15	56.80	56.91	57.55	55.83	56.82	58.23	27	27.7	29	29.6	28.6	28.5	30.6	26.5	83	76	74	72	75	74	------
16	58.01	57.62	58.27	57.05	56.98	58.75	27.7	27.6	28.7	29.4	28.2	28.1	29.8	27.2	76	75	73	62	69	77	.3
17	58.16	58.07	58.14	56.87	56.89	58.39	27.7	27.1	28.7	29	29.5	26.4	30.5	25.6	78	80	78	74	75	89	1
18	58.01	57.39	57.79	55.92	56.05	58.65	26.2	24.5	28	29.2	28.5	23	30.3	22.6	90	92	71	66	78	97	12.4
19	57.52	57.42	57.98	56.03	56.69	58.49	23	24.6	27.5	29.5	28	26.5	31	22.7	97	87	79	71	79	86	------
20	57.30	56.97	57.99	56.52	57.10	59	25.2	24	29.6	29.6	28	23.6	31	22.8	88	95	67	74	79	96	25.1
21	56.91	56.94	56.73	55.88	56.37	57.56	23.4	23	29	29.2	23	23.5	29.8	22.5	96	97	78	70	100	96	19.5
22	56.14	55.79	56.56	54.53	54.77	56.45	23.2	23.4	28	29.8	28.5	27	30.2	22.4	97	97	81	73	78	84	2.3
23	55.52	54.97	56.05	54.73	55.20	56.82	25	27.6	28	28	27.2	27.2	28.8	24.7	88	81	76	71	80	83	2.8
24	56.22	56.02	57.05	55.39	55.52	57.05	27.3	27.5	26.4	28.4	29	28.3	29.5	25	84	85	85	78	76	80	1
25	56.11	56.06	56.50	55.11	55.53	56.86	27.6	27	28.3	29.5	29.5	28	31.2	27	84	88	79	78	68	77	------
26	56.31	56.33	56.57	54.96	56.02	57.79	27.3	27.2	28.6	29.9	29	26.2	31.2	25.2	83	83	78	73	78	91	------
27	57.62	57.37	58.14	57.02	57.63	58.66	25	24.5	28.6	30	27.5	26.3	31.1	24	91	92	71	73	84	94	30
28	58.02	57.98	58.94	57.30	57.22	58.24	25.1	23	24.8	26	25.4	24.5	26.7	22.6	96	100	92	84	88	96	25.4
29	57.41	57.43	57.77	55.83	56.31	57.56	24.1	23.8	25	25.7	25.2	25	26.7	22.5	97	97	92	88	90	92	48.8
30	57.34	57.03	57.40	55.98	56.45	57.92	22.6	22.5	27.4	27.8	27.5	27	29	22.4	97	99	78	75	83	80	------
31	56.72	56.37	57.27	55.94	56.04	57.85	27	27	28.4	29.4	26.1	27.1	30.1	25.5	83	82	75	69	88	83	.5
Mean	57.50	57.47	57.97	56.46	56.89	58.42	24.8	24.7	28	28.6	27.1	25.7	29.9	23.5	90.5	90.2	77.1	74.4	82.6	88.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	321.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1	SbyW	SW	SSW	SSE	SSW	ESE	126.6	145.9	85	72.9	430.4	10	Ci.-S.	N. SW	10	Ci.-S.	Cu.-N.SW
2	E	S	SE	SW	NW	NE	52	92.5	55	21.7	221.2	10	Ci.-S.	Cu.-N. S	10	Ci.-S.	Cu.-N. S
3	N	N	S	NE	N	NW	22	35.6	46.9	23.1	127.6	8	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N. E
4	N	N	SW	N	N	N	23.9	44.1	44.1	22.2	134.3	7	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
5	NE	N	N	NW	N	N	22.2	29.5	37.7	16.4	105.8	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N.
6	N	N	SW	S	N	N	18	37.3	60.4	21.4	137.1	4	Ci.	Cu.	8	Ci.	Cu.-N. E
7	N	N	SW	NE	NW	NW	26.7	30.6	34.3	36.4	128	3	A.-Cu. E	Cu.	10	Ci.-S.	Cu.-N.
8	N	NNW	S	S	SE	N	19.3	52.3	40.2	30.4	142.2	7	A.-Cu.	Cu.	7	A.-Cu. N	Cu.
9	N	N	S	S	S	N	23.1	40	62.3	23.6	149	4	A.-Cu.	Cu.	5	Ci.	Cu. W
10	N	N	S	SE	SE	NNE	21.1	35.1	50.5	20.9	127.6	7	Ci.	Cu.-N.	9	Ci.-S. E	Cu.
11	N	N	S	NNW	W	N	23	35.4	42.1	30.9	131.4	7	Ci.-S. E	Cu.-N. W	10	Ci.-S.	Cu.-N
12	N	N	N	N	N	NE	31.4	20.7	28.2	28.5	108.8	10	Ci.-S.	N.	10	Ci.-S.	N.
13	E	WbyS	WbyS	WSW	SW	SW	63.4	76.6	119.7	180.8	440.5	10	----------	N. W	10	Ci.-S.	N. W
14	SW	SSW	SW	S	S	SbyW	153.1	209.8	166.9	150.7	680.5	10	Ci.-S.	Cu.-N. SW	10	Ci.-S.	Cu.-N.SW
15	S	SbyW	SW	SbyW	SW	SW	191.9	190.2	183.8	158.3	724.2	8	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N.SW
16	SbyW	S	S	SW	SW	SW	163.6	134.1	151.6	129	578.3	9	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. W
17	SSW	S	S	S	SW	NE	70.2	105.6	109.9	50.5	336.2	8	Ci.-S.	Cu.-N. S	7	Ci.-S.	Cu. W
18	SSE	NNE	S	SSW	Calm	N	24.6	55	48	37.5	165.1	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. W
19	E	NE	SE	SE	SE	E	23.5	42	63.3	20.4	149.2	10	A.-Cu. NW	Cu.	8	Ci.-S.	Cu.-N. W
20	NbyE	N	S	SE	SE	SE	18.8	50.7	67.9	32	169.4	6	A.-Cu.	Cu.	9	A.-Cu.	Cu. W
21	N	N	SE	SW	N	Calm	16.1	44.9	65.7	16.7	143.4	5	A.-Cu. W	Cu.	10	Ci.-S.	Cu.-N. W
22	N	NbyE	SE	S	S	E	15.6	54.4	63.4	46.7	180.1	8	A.-Cu. W	N. S	9	A.-Cu.	Cu.-N. W
23	E	SbyW	S	SW	SE	SbyW	49.7	133.8	98.8	79.5	361.8	10	Ci.-S.	Cu.-N. SW	10	Ci.-S.	Cu.-N. W
24	S	S	E	SSW	S	S	126	96	141.3	98.8	462.1	10	Ci.-S.	Cu.-N. SW	10	Ci.-S.	Cu.-N.SW
25	S	S	SbyE	SE	SW	S	118.3	117.3	108.4	92.2	436.2	9	Ci.-S.	Cu.-N. SW	8	Ci.-S.	Cu.
26	SSW	S	S	SE	S	NE	96.9	105.2	71.3	24.1	297.5	4	Ci.	S.-Cu.	8	Ci.	Cu.-N. W
27	NE	N	SE	S	S	S	15.3	35.6	35.4	13.5	99.8	6	A.-Cu.NEbyN	Cu.	7	A.-cu. EbyN	Cu.-N.
28	W	E	NNW	NNW	NW	N	34	47.7	38.6	15.9	136.2	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
29	NW	N	W	NW	W	NE	----	35.2	29.5	20.4	------	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.NW
30	NE	N	N	S	SSW	SSW	17.5	17.9	62.6	109.4	207.4	10	Ci.-S.	Cu.-N. W	10	Ci.-S.	Cu.-N. W
31	S	S	SSW	SWbyS	SE	S	106.8	135.8	95.3	55.8	393.7	10	Ci.-S.	Cu.-N. SSW	8	A.-Cu.	Cu.-N. WSW
Mean	------	------	------	------	------	------	57.2	73.8	74.5	54.2	263.5	8.1	----------	----------	9.1	----------	----------
Total	------	------	------	------	------	------	----	----	----	----	------	----	----------	----------	----	----------	----------

ORMOC.

[ϕ=11° 00′ N; λ=124° 36′ E; barometer above sea, 5.6 meters; gravity correction not applied, —1.83 mm.]

AUGUST, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.21	57.02	57.37	56.11	57.13	58.50	27.2	27	29	30.2	29	25.4	31.2	24.1	80	80	78	68	82	84	3.8
2	57.92	57.84	58.07	56.37	56.82	58.70	25.8	27.4	28.8	29	29	27	30.7	25.2	84	86	76	78	79	89	------
3	57.57	57.63	58.02	56.06	56.94	58.52	26.8	26	28.7	30	29	25.5	31.6	24.8	88	86	80	71	80	93	------
4	57.94	57.57	58.24	56.33	56.63	58.20	24	25.2	29.5	29.2	28	26.5	31	23.7	93	89	79	76	85	86	------
5	57.17	57.42	57.98	56.46	56.96	58.81	25.4	24.6	28.5	29.9	28.9	25.4	31.2	23.9	93	95	78	69	76	90	------
6	57.69	57.91	58.30	56.88	57.13	58.99	24.6	23.4	29.3	29	28.9	25.5	31	23	95	97	76	74	73	84	------
7	57.70	57.88	58.08	56.58	57	58.16	23.6	23.1	28.7	31.9	28	26.9	32.6	22.7	94	95	78	53	77	85	------
8	56.83	56.46	56.60	55.53	55.43	56.67	25.6	25	29.5	30.4	27	24.8	31.3	24.1	93	96	76	64	84	92	------
9	55.66	55.84	56.05	54.48	54.53	55.85	24.3	24	29.3	29.8	29.5	28.3	31	23.6	95	96	70	76	78	76	------
10	55.29	55.20	55.55	54.14	55.20	56.45	28.5	28	29	29.5	26	24.5	30.9	23.9	76	78	76	78	92	95	8.4
11	56.50	55.97	57.03	55.06	55.84	57.62	26.7	27.1	28.5	29.7	25.2	25.7	30.8	23.9	80	78	72	70	94	86	1.5
12	57.31	56.99	57.53	55.76	56.74	58.11	27.6	27.4	28.8	30	26	24.4	31.4	24	86	81	76	71	84	97	11.9
13	57.10	56.92	57.19	55.69	56.20	58.14	26	24.5	29	29.5	28.6	28	30.5	23.6	88	87	73	75	75	77	------
14	57.02	57.26	57.94	56.85	57.75	59.44	27.3	27.5	28.5	29.2	28	25.1	30.2	24.7	77	78	78	72	74	83	------
15	59.17	59.67	59.54	58.11	58.49	60.63	24.4	22.8	29	30	28	24.7	31.2	22.6	87	95	75	67	81	92	------
16	59.67	59.62	59.89	58.47	58.97	60.41	23.5	22.8	29.3	28.7	27.6	24.3	30.3	22.5	93	94	75	78	84	92	------
17	58.97	59.24	59.52	57.42	57.71	58.82	23.1	23	29.1	28.8	27	24.6	30.7	22.6	95	96	74	73	84	91	.5
18	57.62	57.63	58.56	57.03	57	57.84	24.3	24	25.5	25.5	24.6	23.9	26.3	22.2	91	91	92	89	96	94	15.1
19	56.98	57.22	58.53	56.10	57.11	58.07	22.5	22.1	26.5	29	27.6	23.9	29.6	21.8	95	97	77	71	73	90	------
20	57.29	57.62	58.10	56.38	56.82	58.73	22.8	23.1	27.4	29.6	27.5	24.7	31	22.4	92	95	84	67	81	94	2.1
21	58.13	57.79	58.20	56.33	57.45	58.76	23.9	23.5	28	30.4	24	23.7	31.1	23	97	96	77	63	91	92	7.4
22	57.65	57.35	57.18	55.99	55.97	58.05	23.3	23.3	28	28	26.4	25	29.2	23	94	94	77	79	85	90	4.1
23	56.90	56.78	57.06	55.43	55.51	56.97	23.1	23	26.2	27.8	26.2	24.5	28.2	22.7	97	96	82	75	86	92	9.9
24	55.91	55.63	56.11	54.40	53.97	56.12	24.3	24.6	27.2	27.5	27	28	28.3	24	91	87	70	73	73	63	.5
25	55.92	55.55	55.96	54.22	54.70	56.14	27.1	27	28	27.7	28.5	28	29.5	25.8	77	76	77	84	78	77	------
26	55.46	55.42	56.65	55.28	55.63	57.20	27.4	27	28	28.1	27.7	27.6	29.2	26.6	77	78	73	77	76	79	------
27	57.29	57.41	57.88	56.23	57.18	59.18	27.2	27.1	28	29.1	28.7	27.2	29.8	25.7	80	80	77	74	76	83	------
28	58.71	58.42	58.98	57.55	57.67	59.36	25.3	24.2	28.4	29.7	28.7	25.3	31.7	23.8	92	91	78	70	76	90	------
29	58.41	58.19	58.55	56.77	56.77	58.36	23.7	23.3	29	29.5	29	25.5	31.5	22.9	92	93	74	69	78	91	------
30	57.49	56.94	57.87	56.28	56.53	58.40	24.6	27.5	29.2	30	29.1	27.5	31.8	23.9	92	81	73	71	77	84	------
31	57.77	57.64	58.50	56.48	57.59	59.57	27.2	27.4	29.6	30	29	27.3	31.4	26.1	84	82	75	75	78	84	------
Mean	57.36	57.29	57.78	56.15	56.62	58.22	25.2	25	28.4	29.2	27.7	25.8	30.5	23.8	88.6	88.5	76.6	72.6	80.8	86.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	65.2

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	S	S	S	SW	S	E	118	136	102.7	40.4	397.1	8	Ci.	NNW	S.-Cu.	10	Ci.-S.	Cu.-N. SW
2	E	SSW	S	SE	S	SW	48.6	110.4	71.9	26.9	257.8	10	Ci.-S.		Cu.-N. SW	9	Ci.-S.	Cu.-N. WSW
3	SSW	SE	S	SE	S	S	37.8	102	74	17.4	231.2	7	A.-Cu.	WSW	S.-Cu.	4	Ci.	Cu. W
4	S	E	SSE	SE	SE	NE	16.4	73.2	70.6	18.5	178.7	6	Ci.-S.	N	Cu.	10	Ci.-S.	Cu.-N. W
5	N	NE	SbyE	S	S	N	16.7	83.2	70	22.5	192.4	8	Ci.-S.		Cu.-N.	6	Ci.	E Cu.
6	N	N	S	S	NW	NNW	12.3	41.6	46.9	24.6	125.4	6	Ci.-Cu.	N	S.-Cu.	8	Ci.-S.	Cu.-N.
7	N	N	WSW	WNW	N	N	26	33.3	66	24.3	149.6	4	Ci.-S.	E	Cu.-N.	7	Ci.	Cu. NW
8	N	N	SW	WNW	N	N	12.6	32.4	49.1	15.6	109.7	8	Ci.-S.		Cu.	10	Ci.-S.	Cu.
9	NE	N	SSW	S	SW	SW	17.7	78.7	92.3	63.4	252.1	5	A.-Cu.		Cu.	10	Ci.-S.	Cu.-N. WbyS
10	SW	SbyW	S	SSW	SW	NE	120.5	125.2	94.3	22.7	362.7	9	Ci.-S.		Cu.-N. SW	10	Ci.-S.	Cu.-N. W
11	S	S	S	S	SW	E	95.8	122.5	107.6	39.7	365.6	10	Ci.-S.		S.-Cu.	6	A.-Cu.	S Cu.
12	S	S	S	S	W	N	121.8	124.4	92.5	25.2	363.9	8	Ci.-S.		Cu.-N. SW	7	Ci.	Cu. WSW
13	SW	ESE	S	SSW	S	SbyW	32.4	116.4	112.7	154.5	416	6	A.-Cu.	E	Cu.	8	A.-Cu.	Cu. WSW
14	S	S	SSW	SW	S	E	123.7	126.9	105.2	33.6	389.4	10	Ci.-S.		S.-Cu. SW	10	Ci.-S.	Cu.-N. WSW
15	NE	NE	SE	S	SE	N	19.3	60.7	72.6	20.3	172.9	5	A.-Cu.	W	Cu.	4	Ci.	Cu.
16	N	N	SSW	SE	SW	NW	21.1	41.5	47.2	19.3	129.1	8	Ci.		Cu.	9	Ci.-S.	Cu.-N.
17	N	Calm	SW	SE	ESE	N	17.5	35.7	56.6	29.2	139	7	Ci.-S.		Cu.	9	A.-Cu.	Cu.-N.NWbyW
18	E	E	NE	S	Calm	S	21.7	16.7	20.4	22.4	81.2	10	Ci.-S.		N.	10	Ci.-S.	Cu.-N.
19	N	N	W	S	SW	NW	20.3	18.8	48.1	23.9	111.1	10	Ci.-S.		S.-Cu.	10	A.-Cu.	WNW Cu.-N.
20	NW	NNW	S	S	N	NNW	18.2	38.8	49.4	20.6	127	10	A.-Cu.	W	S.-Cu.	10	A.-Cu.	Cu.-N.
21	N	N	S	WNW	N	E	15.9	27.2	56.6	21.4	121.1	7	Ci.-Cu.		S.-Cu.	8	Ci.	Cu. W
22	NE	N	W	NNW	N	NNW	21.4	27.7	32.8	24.4	106.3	10	Ci.-S.		Cu.-N. WbyN	10	Ci.-S.	Cu.-N. WNW
23	E	N	N	SW	NW	NW	21.4	26.2	30.1	19	96.7	10	Ci.-S.		Cu.-N. WNW	10	Ci.-S.	Cu.-N.
24	NW	W	WNW	WNW	W	SW	27.6	59.2	74.5	84.5	245.8	10	Ci.-S.		Cu.-N. W	10	Ci.-S.	Cu.-N. W
25	SSW	SSW	SSW	SSW	SSW	SSW	227.9	220.6	209.7	204.4	862.6	10	Ci.-S.		Cu.-N.SWbyW	10	Ci.-S.	Cu.-N. SW
26	SSW	SSW	SbyW	SSW	S	S	214	195	168.2	121.5	698.7	10	Ci.-S.		Cu.-N.SWbyW	10	Ci.-S.	Cu.-N. SW
27	S	SSW	S	SbyW	SSW	E	144.8	130.4	109.4	19.3	403.9	8	Ci.-S.		Cu.-N. SW	10	Ci.-S.	Cu.-N.
28	E	E	SE	S	S	N	27	64.2	58.9	19.9	170	5	Ci.		S.-Cu.	4	Ci.	E Cu.-N.
29	N	N	SSE	S	N	N	16.4	77	63.3	18.8	175.5	5	Ci.		Cu.	4	------	Cu.-N.
30	NE	S	S	SSE	SSE	SE	60.6	105.7	82.6	35.1	284	10	Ci.-S.		Cu.-N. SSW	6	Ci.	Cu. W
31	S	S	S	SE	SE	E	71.4	114	89.9	38.6	313.9	10	Ci.-S.		Cu.-N. SSW	8	Ci.-S.	Cu. WSW
Mean	------	------	------	------	------	------	57	82.8	78.3	41	259	8.1	------		------	8.3	------	------
Total	------	------	------	------	------	------	------	------	------	------	8,030.4	----	------		------	----	------	------

ORMOC.

[ϕ=11° 00′ N; λ=124° 36′ E; barometer above sea, 5.6 meters; gravity correction not applied, —1.83 mm.]

SEPTEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.85	59.19	59.67	57.57	58.20	60.34	26.2	26.1	28.5	29.4	29.8	25.2	31.9	24.6	85	87	82	75	69	91	------
2	59.47	59.51	59.39	57.42	57.57	59.43	24.8	25	29.9	29.5	28.5	25.4	32.3	24.2	87	88	75	71	77	93	------
3	58.69	58.69	58.60	57.14	57.56	59.85	23.8	23.3	28.2	29.4	28.5	25.5	30.8	22.9	93	94	81	72	78	91	------
4	58.57	58.59	59.69	57.69	58.07	59.32	24.6	23.5	27.5	28.6	28.6	24	30.3	23.2	91	95	84	79	78	91	1.8
5	58.62	58.58	59.63	57.59	58.15	59.74	23.6	23.9	28.8	25.5?	27	24.4	30	23.2	95	95	79	100?	92	92	2.3
6	58.88	58.48	59.65	57.67	58.32	59.75	23.4	22.5	28	24.6?	25.7	23.8	29.2	22.1	92	96	83	100?	86	97	4
7	58.63	58.72	59.93	57.28	58.15	59.37	22.9	22.2	25.9	28.2	24.7	24.3	29.2	21.9	98	98	88	82	96	89	8.6
8	58.68	58.32	58.53	56.65	56.86	58.37	23.9	23	28.7	28.7	25.5	24.7	30	22.6	92	96	74	76	95	95	11.2
9	57.60	57.54	58.25	56.06	57.05	58.62	23.2	21.8	28.3	29.3	28.5	25.5	30.8	21.4	97	95	72	74	81	93	------
10	57.82	57.77	58.80	57.36	58.43	59.44	23.8	22.5	28.6	28.9	23.6	23.6	31.6	22.1	95	96	83	82	92	95	2.4
11	58.70	58.75	59.80	58.09	58.90	60.41	23.1	23.4	28.4	28.5	27.5	25.6	28.9	22.8	97	97	79	82	79	91	------
12	59.12	58.95	59.55	57.13	58.45	59.22	24.3	23.1	28.5	28.8	25	24.2	31	22.8	97	98	74	76	95	94	3.3
13	58.31	58.23	58.43	56.58	57.36	58.53	24.1	23	29.2	29.4	26.5	24	29.4	22.7	96	97	76	72	87	97	15.3
14	56.98	57.12	57.75	55.83	56.25	57.45	22.4	22.5	27.9	29.1	28.1	24.6	29.3	22.1	96	96	81	74	80	95	.3
15	56.80	56.69	56.94	54.98	56.23	57.01	23.4	24.1	27	30.1	29.2	25.7	31.9	23.1	96	95	79	74	72	94	4.6
16	56	56.19	57.18	55.93	56.35	58.11	27.5	27.6	29	28	28.5	27.3	29.1	25.3	89	84	78	85	75	86	5.1
17	57.09	58	58.18	56.16	56.33	58.24	27.2	27.1	28.8	30.2	29.9	27.5	31.2	26.9	85	84	76	68	73	78	------
18	57.20	57.37	58.35	56.16	56.76	58.56	27.6	28	29	28.8	26.5	25.6	30.8	24	76	79	78	84	87	87	1
19	57.17	57.59	58.83	56.37	57.25	58.88	23.9	23.6	29.3	30	28	26.8	31.1	23.2	92	95	76	65	81	86	------
20	58.23	59.18	59.82	57.64	57.69	59.69	24.5	23.4	29.5	29.5	27.6	25	30.9	23.1	95	97	72	68	84	89	------
21	58.67	58.84	58.93	56.35	56.88	58.12	24.3	23.5	29.5	28.5	27.9	26	30	23.2	94	96	74	78	85	96	8.1
22	57.51	56.98	57.78	56.15	56.90	58.70	23.5	23.2	27.2	25.7	26.5	24.5	27.8	22.8	97	97	81	90	88	96	35.3
23	57.77	57.55	58.40	56.27	57.41	58.92	22.9	23	28	29.4	25.2	23.5	30.7	22.6	98	97	79	72	95	96	2.3
24	58.43	58.49	59.12	56.87	57.27	58.40	22.9	23.8	28.1	30.4	28	24.5	30.7	22.4	95	93	70	66	81	95	1.1
25	57.72	57.65	57.85	55.74	56.05	56.48	22.8	22	26.1	30	27.5	24.6	30.3	21.8	97	98	91	63	85	95	8.1
26	55.83	55.37	56.53	53.66	54.45	55.83	24.3	25.5	29.2	30.6	29.5	28.4	31.3	24.1	97	92	73	66	72	82	------
27	54.78	55.70	56.75	54.38	55.47	57.13	28.2	28	29.2	30.6	29.9	28.9	31.3	27.9	80	81	75	74	72	78	------
28	56.70	57.14	58.35	56.25	57.29	58.60	28.2	27.9	29.6	30.2	28.6	28	31.7	26	80	81	75	71	79	74	------
29	58.40	58.90	59.52	57.37	58.23	59.39	27	27.5	29.5	29.6	28.1	24.9	31.1	23.7	78	77	71	72	77	84	------
30	59.08	58.95	59.64	57.62	58.45	59.53	23.4	22.2	29.9	30.5	28.5	24.4	31.5	22.1	92	98	75	70	74	92	------
Mean	57.88	57.97	58.66	56.60	57.28	58.71	24.5	24.2	28.5	29	27.6	25.3	30.5	23.4	91.7	92.4	77.8	76	82.2	90.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	114.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	SEbyE	SSE	SSE	S	N	42.6	87.2	58.5	23.8	212.1	7	A.-Cu.	Cu. S	4	Ci.	Cu. W
2	E	E	S	S	S	N	28.4	59.5	57.6	18.2	163.7	10	Ci.-S.	Cu.-N. S	4	Ci.-S. E	Cu.
3	N	N	SbyE	SbyE	Calm	N	17.9	54.5	60.6	15.3	148.3	2	A.-Cu.	Cu.	5	Ci.-S. E	Cu.
4	N	N	S	SE	SE	N	16.6	48.9	51.8	23.1	140.4	6	Ci.-S.	Cu.	8	Ci.-S.	Cu.-N.
5	N	N	S	NE	NW	NE	18.2	61.8	26.7	24.4	131.1	7	A.-Cu. E	S.-Cu.	9	Ci.-S.	Cu.-N.
6	N	N	S	NE	N	N	19.9	31.9	21.7	15	88.5	9	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N. W
7	W	N	N	S	N	NE	25.7	46.2	44.3	18.8	135	4	Ci.	Cu.	7	A.-Cu. NE	Cu.-N.
8	N	N	SW	SW	N	N	20.7	36.8	37.7	20.6	115.8	7	A.-Cu.	S.-Cu.	10	A.-Cu.	Cu.-N.
9	NE	N	SW	S	SE	N	19.6	34.1	52.5	17.7	123.9	3	Ci.	Cu.	7	Ci.-S.	Cu. ENE
10	N	N	S	S	N	N	25.1	54.1	68.4	23.1	170.7	3	Ci.	Cu.	4	Ci.-S.	Cu. ENE
11	N	NE	SW	N	SE	SE	21.7	49.6	35.1	19	125.4	4	Ci.	Cu.	5	A.-Cu.	Cu.-N. E
12	NE	NE	S	S	N	N	18	38.4	48.8	22.5	127.7	7	A.-Cu. E	Cu.-N.	9	Ci.-S.	Cu.-N. E
13	NE	N	S	SE	SE	NE	22.7	45.3	39.9	34.1	142	3	A.-Cu. E	Cu.	7	Ci.-S.	Cu.-N. WNW
14	N	N	S	S	S	NW	17.4	41.5	53.1	23.8	135.8	8	Ci.-S.	cu.-N. WNW	8	Ci.-S.	Cu.-N. W
15	N	N	N	W	N	SE	19.9	35.1	54.1	35.6	144.7	9	Ci.-S.	Cu.-N. W	8	Ci.-S.	Cu.-N. W
16	SW	SSW	SSW	SW	S	S	145.1	171.4	182.6	129.2	628.3	9	A.-Cu. NW	Cu.-N. SW	10	Ci.-S.	Cu.-N. SWbyS
17	S	S	S	S	SW	S	139.5	124.2	108.3	89.5	461.5	9	Ci.-S.	Cu.-N. SW	9	Ci.-S.	cu.-N. SW
18	S	S	S	SE	E	E	48.9	108.6	58.1	22.8	238.4	10	Ci.-S.	Cu.-N. S	10	Ci.-S.	Cu.-N.
19	N	N	S	SE	E	E	16.6	47.5	68.9	19.8	152.8	8	Ci.-S.	Cu.-N. SW	8	Ci.-S.	Cu. N
20	NE	NE	SSE	SSE	SEbyS	NE	19	58.4	38.6	19.1	135.1	7	Ci.	Cu.-N. SW	10	Ci.-S.	Cu.-N.
21	NE	NE	S	SE	Calm	W	18	44.9	39.6	20.6	123.1	7	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. W
22	NNW	Calm	S	E	S	S	27.4	45.7	27.2	20.4	120.7	10	Ci.-S.	Cu.-N. W	10	Ci.-S.	N.
23	N	N	SW	S	NE	NE	11.1	39.7	63.9	17.5	132.2	7	A.-Cu.	Cu.-N. W	4	Ci.-S.	Cu. W
24	NE	NNE	W	W	N	N	20.9	43.7	49.6	14.8	129	6	A.-Cu.	Cu.-N.	7	Ci.	cu.-N. NW
25	N	N	SE	WNW	N	N	17.2	45.3	55.2	16.7	134.4	2	Ci.	Cu.	8	Ci. E	cu.-N. NW
26	N	N	SSW	SSW	SW	S	19.3	104.3	155.9	154.7	434.2	8	Ci.-S.	Cu.-N. WbyN	9	Ci.-S.	Cu.-N. WSW
27	S	S	SbyE	S	SSW	S	179.6	161.2	168.9	164.1	673.8	10	Ci.-S.	cu.-N. SSW	9	Ci.	cu.-N. SSW
28	S	S	S	SE	SW	S	158	144.5	107.6	72.7	482.8	9	Ci.-S.	cu.-N. SSW	10	Ci.-S.	cu.-N. SW
29	SSE	S	S	SE	SE	NE	77	71.1	67.3	18.3	233.7	10	Ci.-S.	Cu.	9	Ci.-S. NW	Cu.
30	NE	NE	S	S	S	S	22.5	41.2	53.7	20.7	138.1	9	Ci.	S.-Cu.	9	Ci.-S.	Cu.
Mean	------	------	------	------	------	------	41.8	65.9	65.2	37.9	210.8	7	------	------	7.9	------	------
Total	------	------	------	------	------	------	------	------	------	------	6,323.2	----	------	------	----	------	------

ORMOC.

[ϕ=11° 00′ N; λ=124° 36′ E; barometer above sea, 5.6 meters; gravity correction not applied, —1.83 mm.]

OCTOBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct*	*P. ct.*	*mm.*
1	58.67	59.27	60.03	57.46	58.20	60.09	22.9	22.5	29.4	29.3	28.6	23.5	31.6	22.2	95	96	70	76	81	91	------
2	59.61	59.97	60.62	58.33	59.49	61.30	22	21.3	30	31.1	24.4	22.9	31.8	21.1	95	95	66	68	92	97	19.3
3	59.87	59.81	60.68	57.93	57.80	60.14	21.9	21.6	30.2	31.2	28.1	24.6	31.8	21.5	97	96	66	61	88	95	5.4
4	58.89	59.13	59.98	57.08	58.76	60.07	23.1	21.9	28.7	30.8	26	24	31.8	21.6	96	96	69	71	92	96	1.8
5	59.06	59.45	59.80	58.03	58.97	59.87	23.8	22	28.3	28.3	28.5	24.4	29.7	21.8	92	96	72	70	74	92	------
6	59.54	59.37	59.94	57.80	59	60.52	22.9	22.3	29.5	31	27.2	24.2	32.1	22	97	97	75	65	90	91	5.1
7	59.50	59.64	60.47	58.55	59.44	60.98	22.9	21.4	29.8	30.7	27.5	24.3	32.1	21.2	94	96	68	65	85	93	1.1
8	59.80	60.04	60.58	58.58	59.28	61.05	23.6	23	29	27.6	26	24	29	22.5	96	96	74	84	92	97	10.4
9	60.20	60.66	60.64	58.16	58.49	59.93	22.8	22.3	29.7	30	28	24.5	30.8	22	98	97	71	73	80	92	10.8
10	59.42	59.54	60.35	57.97	58.79	59.60	23.3	23.4	28.7	30	25.5	23.4	30.1	22.3	91	93	74	69	93	94	8.9
11	58.83	58.82	59.30	57.69	58.36	59.47	22.7	22.8	29.5	28.7	27	23.9	30	22	95	93	72	77	86	93	2.8
12	58.44	58.79	59.25	56.76	58.15	59.34	22.8	21.7	29.5	30.7	25	24	31.2	21.4	96	96	69	69	92	96	2
13	58.63	58.70	59.38	57.20	58.35	59.34	23.3	22.7	28.6	28.7	25	23.5	30	22.3	97	97	75	79	96	96	8.4
14	58.39	58.57	59.74	57.98	59.14	59.79	22.9	22.7	28.4	28.8	26.7	24.4	29	22.5	98	98	80	79	85	96	2.5
15	58.87	59.37	59.85	57.62	58.29	59.84	23.6	22.2	28.6	30.7	28.5	24.1	31.9	22	98	98	78	70	77	92	.5
16	59.09	59.69	60.25	57.66	58.92	59.81	23.2	21.8	29.2	30	24	23	31.6	21.7	99	96	70	73	96	96	13.7
17	59.97	60.32	60.22	58.16	59	60.46	21.9	21.5	29.7	26.8	25.7	24.6	30.4	21.2	98	97	71	91	85	91	10.9
18	59.57	60.02	61.17	59.38	59.46	59.82	23.7	23.5	24.4	24.3	24.5	23.3	24.9	22.6	95	97	97	97	88	94	30.8
19	58.62	59.34	59.55	57.71	58.60	59.90	22.8	23.1	27.1	27.2	25.6	25.5	27.6	22.5	96	95	86	85	91	83	3.1
20	58.51	59.19	58.65	57.12	58.37	59.97	24.5	24.1	29.8	30.3	26.8	25	30.3	23.2	92	91	68	63	91	92	1
21	59.19	59.95	60.42	58.55	59.70	61.10	23.4	21.2	30.2	30.4	26.5	23	31.3	20.8	88	93	64	63	85	83	------
22	59.59	60.91	61.97	59.89	60.67	62.05	21.6	21.5	28.7	29	27	22.7	29.8	20.5	92	93	66	70	83	94	------
23	60.75	61.32	61.77	59.65	60.30	61.60	21.1	21	28.8	29.9	26.4	21.5	31.9	20.6	95	92	59	62	89	93	------
24	61.01	61.34	62.19	59.70	60.15	61.80	20.5	19.5	28.3	30.3	27.9	23	31.9	19.4	97	96	66	62	74	93	------
25	61.40	61.63	62.17	59.75	60.24	61.41	22.3	21.6	29	30.5	28.2	22.5	31.9	21.2	95	94	65	64	72	92	------
26	60.98	61.33	61.72	59.53	60.38	62.03	20.6	19.7	29.7	30.7	27	24	32.1	19.4	95	94	54	61	83	92	------
27	61.22	61.72	62.02	59.82	60.36	62.05	22.7	21	28.9	29.8	28	26.2	31.7	20.9	97	95	64	66	75	77	------
28	61.40	62.01	62.48	60.37	61.01	62.34	22.5	20.1	29.3	30.7	28.4	23.2	32.1	19.8	94	94	64	59	75	94	------
29	61.61	61.47	61.99	60.42	60.50	61.74	21.6	21	29.7	26.8	26	23.6	30.6	20.9	96	95	61	88	92	95	1.3
30	61.07	61.17	61.89	59.71	60.17	61.15	22.8	22	29.7	28.8	27	23.7	31	21.7	95	96	70	79	90	91	.3
31	60.15	60.01	60.57	58.39	59.50	60.54	23.2	24.5	29.5	28.5	26.4	23.6	29.5	22.8	90	87	63	82	90	96	2.5
Mean	59.74	60.08	60.63	58.48	59.29	60.62	22.7	22	29	29.4	26.7	23.8	30.7	21.5	95.1	95	69.9	72.3	85.9	92.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	142.6

Day.	Wind.										Clouds.				
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	S	S	S	S	Calm	S	22.2	46.9	44.6	22.8	136.5	7	Ci.	Cu.	9	Ci.-S.	Cu.-N. E
2	S	W	SW	S	N	N	24.6	43.3	54.1	21.1	143.1	2	Ci.	Cu.	7	Ci.-S.	Cu.-N. NE
3	N	NNW	SE	S	SW	NE	24.4	43.5	40.2	23.8	131.9	7	Ci.-S. E	S.-Cu.	7	Ci.-S. E	Cu.-N.
4	N	N	W	S	N	N	24.6	28.8	48	29.3	130.7	3	Ci.	Cu.	7	Ci.-S.	Cu.-N.
5	ENE	N	NW	NNW	NW	NW	36.7	27.7	34.6	18.5	117.5	7	Ci.-S. NE	S.-Cu.	8	Ci.-S.	Cu. W
6	NW	NW	SW	SW	Calm	NW	19.5	42.8	38.4	20.3	121	7	A.-Cu. E	Cu.	6	Ci.-S.	Cu. NE
7	N	N	SW	S	N	N	23.5	43.5	51.2	26.4	144.6	3	Ci.	Cu.	4	Ci.	Cu.
8	N	N	SW	E	N	N	22.7	23.1	32	19.9	97.7	3	A.-Cu. E	Cu.	7	Ci.-S.	Cu.-N. E
9	NE	N	NWbyW	SE	NW	N	23.1	39.6	47.3	20.1	130.1	6	Ci.	Cu.-N.	8	Ci.-S.	Cu.-N.
10	N	NE	S	ENE	N	NE	21.4	30.8	34.6	19.6	106.4	9	Ci.-S.	Cu.-N.	10	Ci.-S. E	Cu.-N.
11	N	N	SW	ENE	SW	NW	22.2	39.6	29.6	21.2	112.6	8	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N. NE
12	NW	NW	W	S	SE	N	20.7	37	62.6	19.9	140.2	5	Ci. EbyN	Cu.	6	Ci.-S.	Cu.-N. ENE
13	N	N	SSW	WSW	NE	NE	21.4	38.1	35.7	19	114.2	7	Ci.	Cu.	9	Ci.-S.	Cu.-N. W
14	N	N	SW	S	SE	NW	20.9	41.5	41.8	19.1	123.3	7	Ci.-S. EbyN	Cu.-N.	9	Ci.-S.	Cu.-N.
15	N	N	SSW	S	W	NW	19.5	34.3	35.9	23.1	112.8	7	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N.
16	N	N	SW	S	N	NW	18.5	36.2	52.5	18.7	125.9	6	A.-Cu.	S.-Cu.	9	Ci.-S.	Cu.-N. ENE
17	N	N	W	SSE	NE	NE	23.5	35.4	34.8	20.7	114.4	3	A.-Cu. E	Cu.	10	Ci.-S.	Cu.-N. E
18	NE	N	N	NW	NE	NE	19.5	27.7	33.8	18.3	99.3	10	------	N.	10	------	N.
19	N	N	W	Nbyw	NW	NW	15.8	28.2	-----	17.9	------	8	Ci.-S.	Cu.-N. NE	9	Ci.-S.	Cu.-N. E
20	NbyW	N	N	SSE	Calm	N	19.8	50.9	32	20.3	123	8	A.-Cu.	Cu.-N. E	10	Ci.-S.	Cu.-N. NE
21	N	N	NW	SW	N	N	20.7	30.6	52.8	21.9	126	7	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu. NE
22	N	NNE	W	WNW	SE	N	26.2	35.4	40.2	19.1	120.9	8	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu., Cu.-N. NW
23	N	N	W	S	SE	N	23.8	39.9	54.4	26.2	144.3	3	A.-Cu. NNW	S.-Cu.	5	Ci. NE	Cu.
24	N	N	W	S	Nbyw	N	26	36	37.3	22.8	122.1	3	Ci.	S.-Cu.	7	Ci.	Cu.-N. ENE
25	N	N	SW	S	W	N	21.1	44.6	47.2	24.4	137.3	2	Ci.	S.-Cu.	7	Ci.-S.	Cu.-N. E
26	N	N	W	S	NW	Calm	26.8	45.1	51	12.7	135.6	4	Ci.	Cu.	4	Ci.	Cu.-N. NEbyN
27	N	N	SW	SSE	SE	E	18.3	37.6	59.2	32	147.1	3	Ci.	Cu.	6	Ci.-S. E	Cu.
28	NE	NE	WSW	S	NW	N	20.4	44.5	42.1	19.9	126.9	2	Ci.-S.	Cu.	4	------	Cu.-N. E
29	N	N	wbys	NW	N	N	20.4	46.2	43.8	19.6	130	2	Ci.	Cu.	8	Ci.-S.	Cu.-N.
30	N	NNW	SSW	S	N	N	23.1	38.9	44.3	21.9	128.2	4	A.-Cu.	Cu.-N. E	8	Ci.-S. NE	Cu.-N. NE
31	N	NNE	WNW	SW	wbys	W	22.3	37.5	31.7	20.1	111.6	7	A.-Cu.	Cu.-N. E	9	Ci.-S. E	Cu.-N. NE
Mean	------	------	------	------	------	------	22.4	37.9	42.9	21.3	125.2	5.4	------	------	7.7	------	------

ORMOC.

[ϕ=11° 00′ N; λ=124° 36′ E; barometer above sea, 5.6 meters; gravity correction not applied, —1.83 mm.]

NOVEMBER, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.45	59.71	60.20	57.78	58.95	60.14	23.1	22.8	28.8	26.2	26.3	23.5	31.1	22.3	97	97	78	94	90	92	9.1
2	59.34	59.83	60.40	57.89	59.23	60.61	21.5	21.1	28.9	30.3	26.5	22.7	30.9	20.9	96	95	67	56	85	94	------
3	59.54	59.77	60.75	57.68	59.17	60.21	21.5	23.3	27.5	31.7	26.9	22	31.7	21.2	98	95	79	56	83	92	------
4	59.68	59.47	59.59	57.38	58	58.84	22.6	22.8	27.5	30.8	25.8	22.2	30.9	21.4	93	94	70	49	78	93	------
5	57.96	57.73	58.80	56.40	56.70	57.32	21.1	20.7	27.6	29.1	25	23.3	29.2	20.3	95	94	62	64	80	91	------
6	57.02	57.15	58.09	56.42	56.66	57.13	22.3	21.5	27.8	27.5	25.5	24.8	27.9	21.3	96	95	66	70	83	85	.8
7	57.19	57.83	58.99	57.04	58.88	60.53	24	23.5	27.3	30.4	27.5	25.7	30.5	23.3	91	94	79	58	79	78	5.1
8	59.80	60.92	61.89	60.12	60.88	62.37	24.2	22.6	28	29.4	25.5	22	30.1	21.1	89	96	70	72	88	93	------
9	62.12	62.49	63.13	60.99	61.69	63	21.5	20.2	27.8	30.5	27.7	22.9	31.1	19.8	94	94	73	62	72	92	------
10	62.08	62.52	63.07	60.71	61.48	62.59	21.5	21.1	29.2	29.3	26.4	23.8	31	20.8	96	95	65	66	81	86	------
11	61.92	62.29	62.49	60.53	61.23	62.43	21.4	20.1	28.2	29.8	26.3	20.5	31.2	19.4	90	90	56	55	69	92	------
12	61.48	61.53	61.91	59.78	60.95	61.80	18.6	18.1	28.4	29.8	26.9	23.2	31.2	17.9	94	92	70	63	70	87	------
13	61	61.25	61.22	59.32	59.76	60.66	22.2	21.9	29	27.3	25.4	24.5	29.7	21.5	89	90	63	84	89	89	7.4
14	59.56	60.05	60.55	58.70	59.59	60.64	24.1	25	30.2	25.2	26.6	23.7	30.8	23	91	83	66	95	72	85	11.7
15	59.39	59.65	59.94	57.98	58.83	60.16	23.5	22.9	29.5	29.1	28	25.4	30.5	22.5	93	96	66	68	77	85	------
16	58.90	59.31	59.53	57.44	58.79	59.93	26.2	26.7	31.3	29.6	27.5	24	32.1	23.2	77	72	61	70	68	91	2.3
17	59.19	59.39	60.04	57.67	58.76	59.65	23.2	23.5	28.2	29.5	24.7	23.6	29.5	22.8	96	96	68	68	91	92	5.9
18	58.83	59.25	60.18	57.99	59.09	60.35	22.8	22.7	27.7	30.9	24.9	24	31.9	22.4	97	97	84	62	93	92	7.1
19	59.51	59.62	60.18	57.78	58.86	59.64	23.7	23.2	28.8	27.9	26.1	24.5	30.2	23	93	94	71	82	89	92	1.3
20	58.50	58.77	59.12	56.91	57.97	59.23	23.4	23	29.8	26.9	25.8	23.6	30.8	22.2	97	93	65	86	95	90	10.9
21	57.56	58.04	58.41	56.72	57.07	58.42	22.2	21.3	28.9	30.2	25.6	24.5	30.3	20.1	96	95	71	68	88	88	5.9
22	57.83	58.27	58.66	56.44	57.07	58.20	23	22.2	27.9	30.9	28	24	30.9	22.1	96	97	77	70	72	93	2
23	57.57	58.08	59.22	56.97	57.78	58.81	23.8	23.5	28.1	30.7	27	24	31.9	22.4	95	96	77	67	86	91	------
24	58.40	58.64	59.58	57.47	58.76	60.14	22.2	21	29	29.8	27.4	23.6	31.1	20.6	97	96	71	74	86	93	------
25	59.44	59.86	60.47	58.65	59.13	60.38	22.4	22	29.7	25.7	26.7	25	30	21.5	96	96	67	95	86	88	14.5
26	59.91	60.25	60.90	58.80	59.38	61	24.4	24.5	29.3	29.7	27.1	23.9	30.9	23	91	87	63	71	72	90	2.3
27	60.32	60.65	61.15	58.63	60	60.67	22.8	22.1	30	30.9	27.7	24.4	31.8	21.8	94	96	60	56	75	88	------
28	59.90	60.57	61.02	58.92	60.25	61.70	23.2	23	28.6	30.3	24.5	23.5	30.3	22.6	96	96	73	69	96	94	6.7
29	60.45	60.60	61.10	58.69	59.43	60.69	23	22.5	29.7	29.6	26.7	22.7	30.1	22.1	96	96	67	68	74	89	.5
30	59.71	59.87	60.33	59.01	59.61	60.55	23.2	23.5	27.4	26.8	25.9	24	27.8	22.7	95	96	80	83	89	91	.5
Mean	59.45	59.78	60.36	58.23	59.13	60.26	22.8	22.4	28.7	29.2	26.4	23.6	30.6	21.6	93.8	93.4	69.5	70	81.9	89.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	94

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NW	NW	SW	SE	S	NNW	19.1	35.6	29.5	18.8	103.0	5	Ci.-S. E	Cu.	9	Ci.-S. E	Cu.-N.
2	N	N	NbyW	NNW	NW	NW	21.2	45.4	62.5	17.4	146.5	8	Ci.-S.	S.-Cu.	7	Ci.-S.	Cu.
3	NW	N	SE	N	N	N	21.4	47.5	67.3	16.9	153.1	10	Ci.-S. E	Cu.-N. NE	8	Ci.-S.	Cu., Cu.-N. NE
4	N	N	N	NbyW	N	N	18.5	63.9	60.4	12.3	155.1	9	Ci.-S.	Cu.-N. N	9	Ci. E	Cu.-N. WNW
5	N	N	WNW	NW	NW	N	15.3	49.1	61.2	16.4	142	8	Ci.-S.	Cu.-N.NNW	9	Ci. E	Cu.-N. NW
6	N	N	WNW	NW	NW	NW	14.8	37	27.6	12.3	91.7	9	Ci.-S.	Cu.-N.NW	10	Ci.-S.	Cu.-N. WNW
7	NW	NNE	W	W	N	N	17.2	19.8	44.1	17.7	98.8	10	Ci.-S.	Cu.-N. W	10	Ci.-S.	Cu.-N. NW
8	N	NWbyW	NW	S	S	S	24.3	35.7	34.8	20.1	114.9	10	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.-N. W
9	NE	NE	SW	S	E	N	20.7	36.7	46.4	17.7	121.5	6	Ci.-S.	Cu.	7	Ci.	Cu. S
10	N	Calm	S	S	NE	N	14.8	44.1	60.9	18.2	138	5	Ci.-S.	S.-Cu.	7	Ci.-S.	Cu.-N.
11	N	N	SW	S	SE	N	15.1	45.3	56.9	22.8	140.1	2	Ci.	S.-Cu.	6	----------	Cu.
12	N	N	SW	S	NE	N	28.4	55.8	63	21.4	168.6	3	Ci.-S.	S.-Cu.	6	----------	Cu.-N. ENE
13	N	N	NNE	WbyS	NbyE	N	27.2	44.5	34.8	31.6	138.1	6	Ci.-S.	Cu.-N. E	10	Ci.-S.	Cu.-N.NE
14	NNW	NNE	NE	SE	NE	NNE	36.2	80.2	41.6	35.6	193.6	6	Ci.-S.	Cu.-N. E	10	Ci.-S.	Cu.-N. E
15	NW	N	NE	NE	SSE	NE	27.7	62.8	38.6	22.8	151.9	8	Ci.-S.	Cu.-N. ENE	8	Ci.-S.	Cu.-N.
16	NE	NE	NE	SSW	EbyN	NNW	46.1	54.1	61.2	25.1	186.5	7	Ci.-S.	Cu., Cu.-N. E	7	Ci.-S.	Cu.-N. E
17	N	NE	NNE	EbyN	E	N	34.6	64.2	52	18	168.8	10	Ci.-S.	Cu.-N. E	10	Ci.-S. E	Cu.-N. E
18	N	NW	W	SSE	NbyW	N	23.5	48.1	46.1	27	144.7	4	A.-Cu.	Cu.-N. E	7	A.-Cu.	Cu.-N. E
19	N	N	W	S	W	N	17.9	48.3	45.1	20.9	132.2	10	Ci.-S.	Cu.-N. E	7	A.-Cu. E	Cu.-N.
20	N	N	ENE	N	SW	N	20.9	48.6	32.8	24.1	126.4	4	Ci.-S.	Cu. ENE	5	Ci.	Cu.-N. E
21	N	N	SW	S	E	N	23.5	55.7	43.5	23.5	146.2	2	Ci. N	Cu.	8	Ci.	Cu.-N.ENE
22	N	N	W	SW	E	N	30	34.8	42.1	21.4	128.3	6	A.-Cu.	cu.-N. ENE	8	A.-Cu.	Cu.-N. E
23	N	Calm	SW	SW	NE	N	14	26	38	20.4	98.4	9	Ci.-S.	Cu.-N. NE	6	A.-Cu.	Cu.-N. E
24	NNW	N	W	S	N	N	31.4	38.6	48.3	22	140.3	2	Ci.	S.-Cu.	4	----------	Cu.
25	N	N	NW	NNW	N	NbyE	20.7	46.1	31.4	22.7	120.9	4	Ci.-S.	Cu.-N. E	9	A.-Cu.	Cu.-N. E
26	NNE	NE	WSW	EbyN	NE	N	22.5	40.7	64.4	24.6	152.2	10	A.-Cu.	Cu.-N. E	7	A.-Cu.	cu.-N. NE
27	NNE	NNE	ENE	E	N	NW	24.9	49.6	53.9	20.6	149	5	Ci.	Cu.-N. E	9	Ci.-S.	Cu.-N. E
28	N	N	SW	S	N	N	17.7	46.2	46.2	15.8	125.9	8	A.-Cu.	S.-Cu.	8	Ci.-Cu.	Cu.-N. E
29	N	N	N	WNW	NE	NE	22.4	36.8	47.3	19.1	125.6	6	A.-Cu. ENE	Cu.-N.	5	Ci.-S.	Cu. NE
30	N	N	SW	S	NE	N	22.3	27.2	32.4	23.8	105.7	6	A.-Cu.	Cu.-N. E	10	Ci.-S.	Cu.-N. E
Mean	------	------	------	------	------	------	23.1	45.6	47.1	21	136.9	6.6	----------	----------	7.8	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	4,108	----	----------	----------	----	----------	----------

ORMOC.

[ϕ=11° 00′ N; λ=124° 36′ E; barometer above sea, 5.6 meters; gravity correction not applied, —1.83 mm.]

DECEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.80	59.83	60.73	58.69	59.43	60.40	22.8	21.5	29.2	31.3	26.5	23.6	31.3	20.5	93	87	62	54	80	86	------
2	59.41	59.49	59.98	57.57	58.86	59.87	21.8	21.1	29	30.6	25.2	23.6	31.9	20.7	96	95	74	67	88	90	0.5
3	59.37	59.47	60.33	58.22	58.52	59.85	22.6	23	27.7	26.3	25	24	27.8	22.2	95	96	76	79	88	94	2.1
4	59.02	59.20	60.38	57.32	58.16	59.35	23.3	23.4	25.9	30.4	27.7	25	30.5	22.8	94	93	86	60	76	88	3.6
5	58.89	59.03	59.71	57.81	58.42	59.23	23.9	21.2	28.7	28.4	25.5	22.7	29	21	94	95	68	71	93	95	.8
6	58.37	58.34	57.76	55.94	56.49	57.61	23	23.5	28.2	29.7	26.2	22.9	29.8	22.3	94	92	76	63	79	88	------
7	56.53	57.29	57.92	56.67	57.26	58.32	21.9	21.4	26.9	27.2	24.9	24.4	27.4	21.1	93	93	76	71	88	89	------
8	58.16	57.89	58.93	57.39	57.90	59.23	23.4	22.6	28.1	29.5	26.2	22	30.5	21.4	93	97	75	68	83	91	------
9	58.90	58.43	58.30	57.01	57.83	59	21.5	21	28.6	29.2	27.2	25	30.1	20.7	95	97	75	72	84	88	------
10	58.38	58.47	58.49	56.13	56.68	58.12	22.4	21.7	28.5	29.9	27.4	23.8	31.4	21.4	93	95	74	68	81	89	------
11	57.68	58.27	58.76	56.64	57.83	59.15	22.3	22	28.7	28.4	26.7	25	30	21.7	95	95	72	81	85	92	3.1
12	58.57	59.15	60.20	58.28	59.23	59.88	24.4	21.4	29.6	29.9	27.4	27.2	30.8	20.9	95	96	58	58	71	64	------
13	59.28	59.79	60.30	58.44	59.48	60.86	25.4	25.7	28.4	26.3	25.8	24.9	29.1	23.1	73	68	67	84	85	79	.6
14	59.62	59.83	60.21	57.83	59.31	60.16	22.6	21.7	28.1	30	25	24.4	30.3	21.1	92	94	73	69	98	97	25.1
15	59.59	59.64	60.33	58.42	59.35	60.56	24.1	25.2	29.4	30.6	26.1	26.9	30.7	23.6	97	84	69	58	76	67	1
16	59.79	60.11	61.05	59.43	59.80	61.81	26.7	26.5	29	31.9	27.8	24.6	32	23.5	69	73	68	55	67	82	.3
17	60.80	61.24	61.20	59.74	60.64	62.15	25.3	25.5	28.9	30.2	27.6	26.5	31	24.2	80	80	69	53	68	69	1
18	61.25	61.61	62.33	60.73	61.49	62.45	25.9	26	29.8	30.8	26.5	23.2	31.2	22.7	73	72	61	60	73	86	------
19	61.51	61.59	62.26	59.74	60.35	61.34	22.9	19.5	27.4	30.5	26.9	25.3	30.6	19.5	88	90	73	58	68	77	------
20	60.32	61.50	62.40	60.58	61.77	62.67	22.6	23.1	27.1	29.5	26.1	23.5	30.4	21.5	89	90	71	54	73	83	------
21	61.92	62.05	62.93	61.31	62.32	63.03	22.9	24.1	30.2	30.6	27.3	25.3	31.2	22.2	86	78	53	54	67	74	------
22	62.35	62.53	62.73	60.39	61.60	61.85	22.5	22.2	28.2	30.4	27.2	25.4	30.8	21.7	89	89	60	55	68	79	.3
23	61.39	61.80	62.87	60.68	61.39	62.35	24	25.5	28.7	30.4	27.1	23.5	31.2	22.7	87	72	56	56	60	78	------
24	61.75	62.41	62.89	61.38	61.53	61.89	22.4	25	28.5	29	26.9	26	30.8	21.9	83	68	55	57	63	66	------
25	60.63	61.10	61	59.36	60.34	61.11	22.6	23	29.5	29.8	27.2	25.3	30.3	21.9	85	83	59	53	63	67	------
26	60.06	60.40	61.17	58.33	59.68	60.40	23.7	25.9	30	31.1	27.6	26.5	31.3	22	76	62	54	52	59	69	------
27	60.12	60.26	61.04	58.98	59.83	60.83	24.2	23.8	28.6	30.4	26.9	24	31.1	23.3	83	87	57	46	62	87	.8
28	59.72	60.61	61.18	58.63	59.70	60.70	24.4	23	28.9	30.4	27.3	22.5	31.5	22.1	82	92	56	49	63	80	------
29	59.73	59.94	60.88	58.78	59.27	60.22	21.9	23.5	26.5	26.8	24.2	23	28.2	21.5	83	83	80	79	86	96	2.9
30	59.24	59.30	60.07	57.81	59.49	60.54	24.3	24.4	29.9	29.9	26.7	23.9	31	22.4	85	80	61	57	69	88	------
31	59.64	59.87	60.08	57.52	59.13	60.10	23.4	23.9	29	30.6	27.3	26	30.9	22.9	91	87	62	55	65	70	------
Mean	57.74	60.01	60.59	58.57	59.45	60.48	23.4	23.3	28.6	29.7	26.6	24.5	30.5	22	87.8	85.9	67	61.8	75.1	82.2	------
Total	-------	-------	-------	-------	-------	-------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	42.1

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
										Total movement in 24 hours.	Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnigth.		Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	N	NE	NE	N	N	27.1	57.1	58.4	19.9	162.5	2	Ci.	Cu.	3	Ci.	Cu. E
2	N	N	S	S	NE	N	19.9	52.3	46.1	18.7	137	2	Ci.	Cu. E	7	Ci.-S.	Cu.-N. E
3	N	Calm	NNW	N	N	NW	14.2	28.4	23.9	10.5	77	9	Ci.-S.	Cu.-N. E	10	Ci.-S.	Cu.-N. NE
4	Calm	NE	SE	NE	NE	NE	11.9	29	65	21.4	127.3	8	A.-Cu.	cu.-N. ENE	6	A.-Cu.	Cu.
5	NE	NE	W	E	S	N	18.8	30	25.5	12.3	86.6	7	Ci. ESE	Cu.	10	Ci.-S.	Cu.-N. NE
6	NE	N	SW	NW	N	N	13.4	27.7	46.2	22.4	109.7	9	Ci.-S.	Cu.-N. NE	9	Ci.-S.	Cu. NE
7	N	N	NW	NW	N	N	19.3	24.9	34.6	15.1	93.9	10	Ci.-S.	N.	10	Ci.-S.	Cu.-N. WNW
8	N	N	S	S	S	N	17.5	41	39.9	24.4	122.8	9	Ci.-S.	S.-Cu.	4	Ci. E	Cu.
9	NW	N	SW	SbyE	NE	N	19.6	40.5	61	22.2	143.3	2	Ci.	Cu.	7	A.-Cu. S	Cu.
10	N	N	W	S	S	NE	23.3	33.8	45.4	23.1	125.6	4	Ci.	Cu.	5	Ci.	Cu.
11	NNE	N	NW	SE	E	SE	19.9	30.9	43.8	23.5	118.1	4	Ci.	S.-Cu.	9	A.-Cu. E	Cu.
12	N	N	S	SbyE	NE	NE	21.2	39.6	47.7	46.2	154.7	4	Ci.	Cu.-N. E	4	A.-Cu.	Cu. E
13	NE	NE	NE	NNE	E	NE	41.7	51.7	50.2	31.1	174.7	3	Ci. E	Cu. ENE	10	A.-Cu.	Cu.-N. NE
14	N	N	NW	SW	NW	N	31.6	38.9	38.3	21.5	130.3	6	A.-Cu.	Cu.-N. E	9	A.-Cu.	Cu.-N. E
15	E	NE	NE	NE	NE	NE	38.6	45.6	69.4	48.3	201.9	8	Ci.-S.	Cu.-N. E	7	A.-Cu.	Cu. E
16	NE	ENE	SW	SW	SE	N	45.1	38.6	68.2	18.8	170.7	9	A.-Cu.	Cu.-N. E	7	Ci.-Cu.	Cu. E
17	NbyE	NE	S	NE	E	NE	47.5	48.8	74	36.5	206.8	8	Ci.-S.	Cu.-N. E	8	Ci.-S.	Cu. E
18	NE	NE	NE	NE	E	NE	56.3	69.5	89.9	20.9	236.6	6	Ci.	cu.-N. ENE	7	Ci.	Cu. NE
19	NE	NE	SW	SE	SE	NE	21.5	43.8	65	28.7	159	2	Ci.	Cu. E	4	Ci.	Cu. ENE
20	N	SE	W	ENE	E	N	19.9	34.8	40.4	32.2	127.3	10	Ci.-S.	Cu.-N. E	5	Ci.	Cu. E
21	N	NE	NE	NE	NE	NE	29.8	73.8	74	32.7	210.3	3	Ci.	Cu. E	7	Ci.	Cu. E
22	N	N	SW	NE	NE	NNW	35.1	53.4	49.3	25.4	163.2	2	Ci.	Cu. E	9	A.-Cu.	Cu.-N. E
23	NW	ENE	NE	NE	N	NE	37.5	89.9	68.9	22.7	219	9	Ci.-S.	Cu.-N. E	5	Ci.	Cu. E
24	NbyE	NE	NE	NE	NE	NE	51	91.7	79.7	64.7	287.1	2	A.-Cu.	Cu. E	8	A.-Cu.	cu.-N.ENE
25	W	NNE	ENE	NE	NNE	NNE	29.5	69.4	77	34	209.9	3	Ci.	Cu.-N. E	8	A.-Cu.	Cu. E
26	W	ENE	E	EbyN	EbyN	NE	24.7	58.4	63.1	58.2	204.4	5	A.-Cu. S	Cu.	10	Ci.-S.	Cu. NE
27	NE	NNE	ENE	EbyN	NE	NNW	18.5	72.9	92	48.6	232	7	A.-Cu.	Cu.-N. E	4	Ci.	Cu. E
28	NE	ENE	NE	E	NE	NE	48.8	57.9	63	49.7	219.4	8	Ci.-S.	cu.-N. ENE	7	A.-Cu.	Cu.-N. E
29	NE	NE	NW	E	N	N	20.3	29	39.6	40.8	129.7	9	Ci.-S.	cu.-N. ENE	10	Ci.-S.	cu.-N.ENE
30	NW	NNE	EbyN	ENE	W	N	29.8	55.2	67.4	34.6	187	5	Ci.-Cu. WNW	Cu.-N. E	10	Ci.-S.	Cu.-N. E
31	N	NNW	ENE	NE	NE	NE	29.2	62.6	69.2	60.2	221.2	8	Ci.-S.	Cu.-N. E	7	Ci.	Cu. NE
Mean	------	------	------	------	------	------	28.5	49.1	57.3	31.3	166.1	5.9	----------	----------	7.3	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	5,149	----	----------	----------	----	----------	----------

TACLOBAN.

[$\phi = 11° 15'$ N; $\lambda = 125° 00'$ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.82 mm.]

JANUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	61.30	61.51	62.36	60.20	61.37	61.77	24	24	25.6	29.8	25.3	24.7	30.2	23.6	96	95	88	66	89	87	6.9
2	61	61.17	61.64	59.54	60.79	61.76	24	23	27.5	28.5	25.6	23.8	30	22.3	87	94	73	64	75	87	------
3	60.72	61.87	62.46	60.52	61.36	61.83	22.8	22.2	26.5	27.5	26	25.2	28	22	95	96	76	73	82	88	.5
4	61.51	61.80	62.61	60.40	61.60	62.33	24.2	24	27.3	29.8	26.2	25.2	32	23.3	94	95	82	70	79	82	1
5	61.16	61.90	62.65	60.09	61.51	61.84	23.6	24	28.1	30.7	27.8	25.4	32.2	23.1	90	88	79	65	74	90	------
6	60.27	60.86	61.60	59.44	60.69	62.05	24.7	24.6	28.1	27.6	25.6	25.2	30.4	24	94	95	79	87	87	89	19
7	60.96	61.61	61.81	59.47	61.51	62.21	24.7	24.6	27.7	27.3	24.7	24.3	31.3	24	93	94	87	82	93	93	31.1
8	61.30	61.93	62.40	59.46	60.84	60.73	24.2	23.6	24.7	27.8	25.7	25	29	23	92	95	89	76	88	91	5.1
9	60.02	60.15	60.34	58	59.26	59.75	24.2	24	29.5	30	27	25	31.3	23.3	94	96	73	71	84	96	------
10	58.32	58.72	59.44	57.31	57.66	59.01	24.3	24	28.3	30	27	25.3	31.6	23.5	96	96	74	74	80	88	------
11	58.02	58.69	59.86	57.22	57.72	58.98	23.9	23	28	31.2	27.4	25.5	32.2	22.7	92	96	74	61	78	90	------
12	58.47	58.68	59.49	58.06	59.18	60.26	24.2	24	29	31	25.9	24.9	31.8	23.3	97	95	74	67	88	92	------
13	59.50	59.95	60.96	59.54	60.20	61.20	24.2	24	29	27.5	24.9	24.3	31.4	23.4	96	96	74	78	92	94	5.6
14	60.67	61.08	61.54	59.09	59.82	60.42	24	24	29.4	30.2	26.6	25.2	31.8	23.3	96	96	75	71	86	90	------
15	59.70	60.08	60.60	58.12	58.42	59.29	24	23.7	29.7	31.2	26.9	25.2	32.3	23.2	96	97	73	62	85	90	------
16	58.63	58.87	60.14	58.36	59.97	60.78	24.7	23.9	30.5	28.8	26.8	25.1	31.5	23.3	89	92	67	79	78	88	------
17	59.81	60.60	60.99	58.42	59.64	60.79	24.4	24.1	30	31.5	27.2	25.6	32.3	23.5	91	91	69	63	75	86	------
18	60.12	61.01	61.51	59.74	60.67	61.21	25.1	24.8	26	25.9	25.2	24.6	28.4	24	89	89	87	90	89	94	2.3
19	59.53	60.40	61.17	58.79	59.75	61.09	24.1	24.1	28.7	31.3	27.5	25.5	31.8	23.5	97	97	76	64	83	88	------
20	60.20	60.61	62	60.35	60.93	62.01	25.2	24.5	25.8	26.4	25	24.7	29	24	88	92	85	85	89	89	4.9
21	60.71	60.58	61.12	58.44	59.54	61.59	24	23.7	28.2	31	26	25.2	32.4	23.3	91	90	80	67	90	92	1.5
22	60.45	60.71	61.42	58.73	59.12	60.50	24.3	24	27.5	30.5	27	25.2	32	23.7	95	96	80	67	80	88	------
23	59.19	59.20	59.86	57.31	58.16	59.58	24.2	23.4	28.2	28.5	26.5	24.4	32.7	23	89	94	76	74	82	90	.8
24	58.13	58.41	58.88	56.44	57.60	59.49	23.5	23	29.1	32	27.5	26.2	33.3	22.7	90	93	70	52	73	81	1.3
25	58.67	59.73	60	58.03	58.53	59.69	24.6	23.5	26	29.7	27.8	25.5	30.7	23	87	91	81	69	71	80	1
26	58.58	58.73	59.19	57.14	57.72	59.09	24.3	24	30.2	31.2	27.8	25.3	31.9	23.3	89	91	70	64	80	92	------
27	57.80	58.22	59.10	56.99	57.37	58.71	24.4	24	30	31.2	27.3	26.3	32.3	23.2	94	91	69	61	82	87	------
28	57.75	57.79	58.84	56.94	57.73	59.03	24.2	24	30.4	32	25.5	25	32.4	23.7	96	97	69	60	86	91	3.3
29	58.52	58.52	59.69	57.28	57.72	59.08	24.2	24	29.9	30.7	27.1	24	31.2	23	95	96	72	65	76	87	------
30	58.63	58.84	59.65	57.25	58.11	59.69	24	23	29	31	26.8	25.6	32.2	22.6	86	91	68	66	86	92	------
31	58.82	59.04	59.51	57.63	58.40	59.19	24.8	25	30.9	31.8	27.3	25	32.6	24	92	92	66	64	78	88	------
Mean	59.63	60.04	60.74	58.53	59.45	60.48	24.2	23.9	28.3	29.8	26.5	25.1	31.4	23.3	92.5	93.8	76	69.6	82.5	89	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	84.3

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.				2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.		Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*				*1–10*			
1	NW	1	ENE	1	NNW	1	E	1	NE	1	NNW	1	8	----------	Cu.-N.	NE	7	Ci.	SW	Cu. E
2	NW	1	NWbyN	1	NNW	1	N	1	NE	1	N	1	7	Ci. SW	S.-Cu.		8	Ci.	SW	Cu. NE
3	N	1	N	1	NNW	1	N	0	NNW	1	NNW	1	8	Ci.-S. SW	S.-Cu.		9	----------		Cu.-N. NE
4	NW	0	N	1	NNE	1	E	2	E	0	NE	1	10	----------	Cu.-N.	NE	8	----------		Cu.-N.ENE
5	NNE	1	N	1	NNW	1	ESE	1	Calm	----	NW	1	8	----------	Cu.-N.	E	7	Ci.-S.	SW	Cu. ENE
6	NW	2	NW	1	NNW	2	NW	1	NE	0	Calm	----	8	----------	Cu.-N.	NEbyE	9	----------		N. ENE
7	N	0	NW	1	Calm	----	NNE	1	NNE	1	NE	1	8	Ci.-S.	Cu.-N.	NE	8	----------		Cu.-N.ENE
8	NNE	1	NNE	0	NNW	1	N	1	Calm	----	N	0	10	----------	N.	NE	8	----------		Cu.-N. NE
9	Calm	----	Calm	----	S	0	SbyW	2	S	0	W	0	6	Ci.-S.	Cu.-N.	ENE	7	Ci.	SW	Cu. E
10	NW	0	NW	1	W	1	S	2	SSE	1	Calm	----	7	Ci.-S. SW	S.-Cu.		5	Ci.	SW	Cu. E
11	NW	1	WNW	0	W	0	S	1	Calm	----	W	0	3	Ci.-S.	S.-Cu.		3	----------		Fr.-Cu.
12	NNW	0	W	1	WNW	0	E	1	N	1	N	0	5	Ci.-S.	S.-Cu.		8	----------		Cu.-N. E
13	NW	1	NNW	1	NNW	0	SE	1	N	1	N	1	8	Ci.-S.	N.-cf.	E	10	----------		N. NE
14	NW	1	NW	1	S	0	S	2	S	0	Calm	----	8	----------	Cu.-N.	ENE	8	----------		Cu.-N.ENE
15	NNW	1	WNW	1	SE	0	SE	1	SE	0	WNW	0	7	Ci. SW	Cu.		3	----------		Cu. ENE
16	W	0	W	0	NE	0	NNW	3	NE	2	NE	1	4	Ci.	S.-Cu.		7	Ci.-S.	S	Cu. NNW
17	W	1	NW	1	SSW	1	SE	1	ESE	1	ESE	1	3	----------	S.-Cu.		5	----------		Cu.
18	NW	1	N	1	N	0	SE	0	N	0	N	1	10	----------	Cu.-N.	NE	10	----------		N. NE
19	W	1	W	1	NNE	1	S	1	ESE	0	W	1	10	----------	N.	NNE	3	----------		Fr.-Cu.NE
20	W	1	NNW	1	N	1	ENE	2	N	1	N	1	8	----------	Cu.-N.	ENE	10	----------		N. NE
21	WbyN	1	NW	1	NNW	1	SE	0	NW	0	NW	1	6	Ci.-S. SW	Cu.		6	----------		Cu.
22	NNW	1	NNW	1	SE	0	SEbyS	1	N	1	NNW	1	6	Ci.-S.	S.-Cu.		6	Ci.-S.SWbyW		Cu. E
23	N	1	NNW	1	N	0	NNW	1	N	0	N	0	6	Ci.-S.	S.-Cu.		6	----------		Cu. NE
24	N	1	NNW	1	N	0	N	0	ENE	1	ENE	1	3	Ci.-S.	S.-Cu.		5	Ci.		Cu. ENE
25	N	1	N	1	NNE	0	E	1	ENE	1	N	0	10	----------	N.	ENE	6	----------		Cu. ENE
26	N	0	N	0	SE	0	SSE	1	SE	1	SE	0	6	Ci. SW	S.-Cu.		6	Ci.		Cu. E
27	Calm	----	W	0	ESE	0	S	1	SSE	1	NW	0	5	Ci.	S.-Cu.		7	Ci.-S.	W	Cu. E
28	WNW	0	NW	0	S	1	SSE	2	SE	1	W	1	5	Ci.-S.	Cu.	E	6	----------		Cu. ESE
29	W	0	WNW	1	E	1	S	2	SE	1	Calm	----	8	Ci.-S.	Cu.-N.	E	3	Ci.		Cu.
30	WNW	0	WNW	1	ESE	0	S	1	SSE	1	WNW	1	3	Ci.	S.-Cu.		4	Ci.	WSW	Cu. E
31	N	1	NNW	1	ESE	0	S	2	ESE	2	Calm	----	8	Ci.-S.	Cu.-N.	ENE	7	Ci.	W	Cu. ENE
Mean	------	0.7	------	0.8	------	0.5	------	1.2	------	0.7	------	0.5	6.8	----------	----------		6.6	----------		----------

TACLOBAN.

[ϕ=11° 15′ N; λ=125° 00′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.82 mm.]

FEBRUARY, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.42	59	59.74	57.50	57.92	59.45	24	23.4	29.3	30.6	27.4	24.1	32.5	22.4	91	91	64	59	74	91	------
2	59.03	59.73	60.95	58.64	59.10	60.22	23.2	22.3	27.4	31.1	27.2	25.6	32.8	21.8	89	94	64	50	70	79	------
3	59.61	59.74	61.11	59.07	59.54	60.82	23.8	23	27.6	31.8	27.4	25.4	32.2	22.6	90	91	71	54	70	81	------
4	60.07	60.50	61.61	59.59	60.86	61.94	24.3	24.5	28	31	25.8	25.5	32.8	23.9	89	87	76	53	81	81	0.8
5	60.88	60.93	61.59	59.37	59.31	60.49	24	24.3	28.8	31.3	27.2	26.5	32.4	23.4	91	89	65	57	76	79	4.6
6	59.23	59.51	60.36	58.48	59	59.98	24.6	24.8	25.4	24.5	24.6	24.5	27.3	23	87	85	84	85	80	87	82.1
7	59.83	60.72	61.81	59.61	60.12	60.80	23.6	22.8	22.8	26	24.9	24.2	26.5	22.2	90	96	97	81	75	79	67.1
8	59.99	60.56	61.55	59.30	59.54	60.70	22.3	22	26.2	29.5	25.1	23.3	30	21.3	90	91	72	53	72	84	------
9	59.50	59.74	61.14	59.07	59.77	61.23	22	22.9	26.7	27.3	25	24.6	28	21.5	94	87	68	81	91	89	22.1
10	60.51	61.16	62.12	60.04	60.84	62.50	24	23.5	27.4	29.5	27.5	25	31	22.8	90	91	81	71	73	90	.5
11	61.37	62.03	62.98	60.83	62.17	63.48	24.2	23.4	29	30.2	24.7	23.3	31.4	22.8	91	97	71	66	94	95	26.2
12	62.24	62.44	63.63	60.90	61.02	62.78	22.9	23	24.3	28.5	25.8	23.5	28.8	22.4	97	96	89	71	81	96	46.4
13	61.61	61.66	62.85	60.14	60.24	61.80	23.4	22.9	27.3	28.4	26	24	29.6	22.5	90	92	70	64	73	80	4.8
14	60.49	60.59	60.89	58.41	58.80	59.81	22.8	22	26	27.1	25	25	28.2	21.7	89	96	79	80	96	93	8.1
15	58.53	58.33	59.32	57.61	57.62	59.11	24.7	24.8	24.5	26	25.6	25	26.5	24.1	94	92	93	87	91	92	3.3
16	57.70	58.03	58.89	57.31	57.54	58.67	24.9	24.8	27	26.8	26	25	27.4	24.2	92	92	86	82	84	90	.8
17	58.32	58.25	59.18	57.12	58.15	59.24	24	23.8	27.6	30.4	26.5	25.3	32	23.3	95	96	79	69	89	91	.8
18	58.13	58.57	59.71	58.16	58.74	60.31	24.4	24	27.6	27.8	26	25.1	29.3	23.5	95	97	80	86	92	92	.8
19	58.97	59.70	60.97	59.26	60.33	61.97	24.6	24	26.5	25.6	24.5	24.2	30.7	23.2	93	97	86	89	96	94	17
20	61.21	61.08	62.05	59.89	60.30	62.13	23.2	23.8	25.6	26.3	24.1	23.6	27	23.1	97	97	87	85	95	95	27.9
21	60.58	61.11	61.85	59.51	60.17	61.33	23.1	23.5	24.7	25	24.4	24	26	22.8	97	96	90	88	92	92	------
22	59.80	59.72	60.40	57.71	58.62	60.21	23.9	24.5	26	26.5	25	24.7	27.4	22.8	88	83	83	80	88	87	1.3
23	59.33	59.78	61.29	58.81	59.88	61.41	24	24.4	26.5	27.8	25	24.8	29	23.2	86	85	82	73	88	83	1
24	60.92	61.21	62.85	60.29	60.85	62.06	24	24.3	26.5	27.8	26.5	25	29	23.4	83	81	70	68	76	87	------
25	60.51	61	61.85	58.84	59.70	60.92	24.3	24	27.5	29.5	26	25.5	30.5	23.4	89	90	73	70	85	88	------
26	58.85	59.45	60.57	58.58	58.88	60.55	24.3	24.2	27.9	29.6	26.4	24.7	30.3	23.8	94	93	74	69	85	86	.5
27	59.40	59.83	60.66	58.11	59.24	60.65	24.1	23.8	27.9	29	26.3	25.4	29.9	23.2	92	96	74	69	82	87	1.5
28	59.61	59.88	60.66	58.48	59.35	60.65	24.8	25	28.6	31.2	27.3	26.2	32.3	24.2	90	88	73	62	82	89	2.5
Mean	59.81	60.15	61.16	58.95	59.56	60.90	23.8	23.7	26.8	28.4	25.8	24.8	29.7	22.9	91.2	91.6	77.9	71.5	83.2	87.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	320.1

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	WNW	0	NNW	0	SE	0	S	2	SSE	1	SE	1	8	Ci.	S.-Cu.	3	----------	Cu.
2	N	1	N	1	W	0	S	1	S	1	S	1	2	----------	S.-Cu.	3	Ci.	Fr.-Cu.
3	WNW	1	NW	1	WNW	1	SSW	2	ESE	1	NW	1	8	Ci. W	S.-Cu.	8	Ci. W	Cu. ENE
4	NNW	1	NNW	1	NNW	1	E	2	NE	1	N	1	8	Ci.-S.	cu.-N. ENE	7	Ci.	Cu. NE
5	NW	1	NW	1	NE	2	NE	2	NE	1	NNE	2	8	Ci.-S.	cu.-N. ENE	7	Ci.-S. W	Cu. ENE
6	NNW	1	NW	1	N	1	E	2	ENE	1	ENE	0	10	----------	N. ENE	10	----------	N. ENE
7	NE	2	SE	1	ESE	2	NE	2	ENE	1	NE	2	10	----------	N. ENE	9	----------	cu.-N.ENE
8	NE	2	Calm	----	NNW	0	E	2	NNW	0	WNW	1	8	Ci..Ci.-S.WSW	S.-Cu.	7	Ci. WSW	Cu. ENE
9	WNW	1	NW	1	N	2	ENE	2	WNW	1	NNW	1	3	Ci.	S.-Cu.	8	----------	cu.-N.ENE
10	NW	1	NNW	1	NW	2	N	1	E	1	WNW	1	5	Ci.-S. W	S.-Cu.	6	Ci.	Cu. NE
11	NNW	1	WNW	1	S	1	SSW	1	SE	2	S	1	7	Ci.-Cu.	Cu.-N. NE	8	ci.-s. WSW	cu.-N.ENE
12	WNW	1	W	1	E	1	SSE	1	ESE	1	Calm	----	10	----------	N. NE	10	----------	cu.-N.ENE
13	N	1	N	1	NbyW	2	NbyW	1	NE	1	N	1	7	Ci. WSW	S.-Cu.	7	----------	cu.-N. NE
14	NNW	1	NW	1	NW	1	NNW	2	NNW	1	NNW	2	8	Ci.-S. SW	S.-Cu.	10	----------	cu.-N. NE
15	NNW	2	N	2	NNW	2	N	2	NNW	1	N	2	10	----------	cu.-N. NNE	10	----------	N. N
16	NNW	1	N	1	NNW	1	NNW	1	NW	0	NNW	1	10	----------	Cu.-N. N	10	----------	Cu.-N. N
17	WNW	1	WNW	1	NW	0	SE	1	NNW	0	WNW	1	6	ci.-s.,ci.sw	S.-Cu.	5	Ci.-S. SW	Cu. ENE
18	W	0	N	1	WNW	1	ESE	1	NNW	1	NW	1	6	ci.-s.,ci.sw	S.-Cu.	10	----------	cu.-N. NE
19	WNW	1	NW	1	NW	0	NNW	3	NW	1	WSW	1	8	----------	cu.-N. ENE	10	----------	cu.-N. NE
20	W	1	Calm	----	NW	1	NbyW	1	NNW	2	NW	2	10	----------	N. NE	9	----------	cu.-N. NE
21	WNW	1	NW	1	NNW	2	WNW	2	NNW	2	N	1	10	----------	Cu.-N. NE	10	----------	N. NNE
22	NNW	2	WNW	1	NNW	3	NW	3	NNW	2	NNW	2	10	----------	cu.-N. NNE	9	Ci.	Cu.-N. N
23	NW	2	NW	2	NNW	3	NNW	3	NW	2	NNW	2	8	ci.,ci.-s.sw	Cu.-N. N	7	Ci. SW	Cu. N
24	N	3	NNW	2	NNW	2	NNW	2	NW	1	NW	0	4	Ci.-S. SW	S.-Cu.	7	----------	Cu. N
25	NW	1	WNW	1	WNW	2	NW	2	WNW	2	W	0	5	Ci.-S. SW	Cu. N	6	----------	Cu. N
26	WNW	2	W	1	WNW	2	WbyN	3	NW	1	NNW	1	8	Ci.-Cu. SW	cu.-N. NNW	7	Ci. SW	Cu. NW
27	NNW	0	N	0	NNW	2	NW	2	N	1	NNW	1	7	Ci.-S.	Cu. N	7	----------	Cu. NW
28	NNW	0	NW	1	NW	1	NW	1	N	1	Calm	----	8	----------	N.-cf. N	5	----------	Cu. NE
Mean	------	1.1	------	1	------	1.4	------	1.8	------	1.1	------	1.1	7.6	----------	----------	7.7	----------	----------

TACLOBAN.

[$\phi = 11° 15'$ N; $\lambda = 125° 00'$ E; barometer above sea, 3.4 meters; gravity correction not applied, —1.82 mm.]

MARCH, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.70	60.48	61.71	58.99	59.44	60.80	25.3	25	28	30.4	27.5	26	32.5	24.4	89	90	74	61	73	80	------
2	59.60	60.68	61.16	58.79	59.65	60.96	24.1	23.6	28.2	29.4	26.3	23.8	31.3	23.3	89	91	69	62	78	86	------
3	59.78	60.22	61.15	58.89	59.99	61.20	23.8	24	28	30.7	25.6	24.2	32.7	23	85	83	71	61	83	86	13.7
4	60.93	61.21	62.10	60.03	60.69	62.15	23.7	23.2	27.5	28.5	25.8	24.1	30.6	22.5	82	84	69	68	78	82	.8
5	60.87	61.78	62.64	60.39	60.92	61.91	22.8	22.2	27.3	30.1	26	24.7	32.3	21.4	89	89	68	58	76	74	------
6	61.03	61.35	62.26	59.27	59.39	60.76	22	20.4	27.1	30.5	26.2	24.2	31.5	19.8	87	87	65	47	75	86	------
7	59.72	60.26	61.16	58.90	59.61	60.81	22.6	21.3	27.5	28.8	26.2	24.4	31.4	20.8	88	93	62	58	69	76	.8
8	60.13	60.67	61.49	58.59	59.01	60.09	22.2	22	27	30.5	26.3	25.5	32	21.4	93	93	72	54	77	80	------
9	59.38	59.73	60.64	58.36	58.99	60.34	24.8	24	28	31.9	27.6	25.3	31.8	23.6	83	87	68	51	73	83	------
10	58.75	59.47	58.11	58.03	58.31	59.71	24.1	23.9	26.2	27.5	26.5	24.5	28.4	23.2	86	87	72	76	73	87	------
11	58.83	58.90	59.34	57.87	58.69	60.40	23.8	24	27.9	25.6	25	26.1	30.4	23.5	93	95	79	87	94	85	26
12	59.53	60.22	62.16	60.44	60.62	62.66	25.2	25	29.8	30.3	26.8	25.6	31.2	23.6	90	92	73	71	86	87	------
13	61.48	61.48	62.36	60.31	60.21	61.41	23.4	23.8	28.1	27.1	26.7	24.5	30.3	23.2	94	93	77	83	75	87	16.5
14	60.28	60.54	61.34	59.04	59.15	60.33	23.4	22.9	29	30.4	26.9	25.2	31.2	22.4	91	94	71	64	83	90	------
15	59.60	59.83	60.64	58.23	58.71	60.34	24.2	23.7	29	30.4	27.6	25.3	32.3	23.1	92	94	68	66	79	91	1
16	59.51	59.70	60.60	58.90	59.45	60.64	24.2	24	28.9	29.4	26.5	25.8	31.2	23.5	96	97	74	72	88	92	------
17	59.48	59.51	60.74	59.19	59.32	60.52	24.8	24.8	30	28.5	26.2	25.2	32	24.3	93	93	70	74	86	92	------
18	59.37	60.02	61.04	58.99	59.15	60.89	24.6	23.9	30.1	30	27.2	25.6	31.4	23.3	95	96	71	69	81	88	6.4
19	59.80	60.36	61.49	59.13	59.31	61.34	24.6	24.3	29	30.8	27.4	25.3	32	23.6	95	97	71	54	70	84	------
20	60.06	60.96	61.65	59.12	59.99	61.15	24	23.5	28.1	31.2	25.5	25	33.5	22.8	92	95	66	61	86	88	21.8
21	60.15	60.87	61.80	59.71	60.16	61.34	24	24	28.1	28.8	27.1	25.6	31.5	23.3	94	91	76	74	86	91	1
22	60.15	61.11	61.80	59.55	59.90	61.30	25.1	24.6	26.1	30.8	27.6	25.5	31.6	24.2	92	95	85	64	71	80	1.6
23	60.11	61.13	61.82	59.40	59.49	61.09	24.1	23.6	29.3	30.5	27.4	25.4	32.4	23.4	90	92	68	68	81	88	------
24	60.06	60.73	61.60	59.59	59.82	61.13	23.8	23.4	28.5	28.1	26	24.8	30.7	23.1	93	95	62	70	82	91	1.3
25	60.12	60.91	61.61	59.66	60.51	61.92	24.1	23.9	28.8	28.8	24.7	24.1	32.7	23.6	95	95	74	71	92	91	4.3
26	60.61	61.52	63.01	60.33	60.95	62.42	23.5	23	25.3	28.5	25.1	25	30.5	22.6	93	96	83	60	83	83	1.3
27	61.51	61.82	63.41	61.12	61	62.65	24.3	23.8	25	25.5	25.6	24.2	28.6	23.3	89	93	92	84	79	90	13.5
28	61.06	61.41	62.44	60.89	61.20	61.92	24	24	28.3	25.5	24.5	24.7	30.3	23	91	91	74	82	91	88	26
29	60.87	61.02	62.24	60.29	60.91	62.25	23.8	23.8	29.2	30.7	27	26	31.5	23.2	93	93	70	71	78	79	------
30	60.83	61.17	61.61	59.77	59.82	61.01	25.4	25.6	27.3	30	26.9	26	31	24.7	79	77	75	62	72	78	------
31	59.08	59.48	60.32	58.02	57.31	59.01	25.1	25	27.8	27.9	25.9	25.9	29.4	24.7	84	86	75	80	90	90	2.8
Mean	60.08	60.60	61.47	59.35	59.73	61.11	24	23.7	28	29.3	26.4	25.1	31.3	23.1	90.2	91.4	72.4	67.2	80.3	85.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	138.8

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	N	1	N	1	NNW	1	NNW	2	NNW	1	WNW	0	5	Ci.	S.-Cu.	6	Ci. SW	Cu. N	
2	NW	0	NNW	0	NW	1	NNW	3	NNW	2	NNW	1	3	Ci.	S.-Cu.	3	----------	Fr.-Cu. NNE	
3	NW	1	NNW	0	WNW	1	SE	1	NE	0	NNE	1	8	----------	N.-cf. NE	8	----------	Cu. NNE	
4	NW	1	WNW	0	Calm	----	ESE	1	NE	1	W	0	8	----------	Cu.-N. NE	8	----------	Cu.-N. NE	
5	WNW	1	WNW	1	NW	0	SE	1	SE	1	NNE	1	8	Ci.	Cu. NE	4	----------	Cu. NE	
6	NNE	1	NNW	0	ENE	0	WNW	0	SSE	1	N	1	7	Ci.-S. SW	S.-Cu.	3	----------	Fr.-Cu. NE	
7	WNW	1	NW	1	NWbyW	1	SE	1	SSE	1	WNW	0	7	Ci.-S. SW	S.-Cu.	7	Ci.	Cu. NEbyE	
8	NW	1	NW	1	WNW	0	SE	2	SE	1	NNE	1	1	----------	S.-Cu.	3	----------	Cu.	
9	WNW	1	WNW	1	NW	1	N	2	N	2	N	2	5	Ci.-S.	Cu. ENE	3	----------	Fr.-Cu. NE	
10	N	1	N	1	NW	4	NE	0	NNE	1	NNW	2	8	Ci.-S.	N.-cf. NE	8	----------	Cu.-N. NE	
11	N	1	Calm	----	NW	1	NNW	1	Calm	----	SSE	2	10	----------	N. NNE	10	----------	N. N	
12	SSE	1	SSE	1	SE	2	SE	2	SSE	1	Calm	----	7	Ci.	Cu.-N. SSE	5	Ci.-S.	Cu. E	
13	N	1	N	1	NNW	0	WNW	0	E	1	E	1	8	Ci.-S.	Cu.-N. ENE	5	----------	Cu. ENE	
14	N	1	WNW	1	NE	1	SSE	1	SE	1	SSE	1	2	----------	S.-Cu.	6	----------	Cu. ENE	
15	NW	1	NW	1	NE	0	SEbyS	1	SE	1	WNW	0	2	----------	Cu. ENE	3	----------	Cu.	
16	WNW	1	WNW	1	S	1	SSE	2	SSE	1	Calm	----	1	----------	S.-Cu.	8	----------	Cu.-N. ENE	
17	WNW	0	N	0	SSW	1	NW	2	NW	1	WNW	0	9	----------	Cu.-N. ENE	9	----------	Cu.-N. ENE	
18	WNW	0	NW	0	E	0	SE	2	SE	0	SSE	0	8	Ci.-S. SW	S.-Cu. ENE	7	Ci.-S. SW	Cu. NE	
19	WNW	0	NW	1	NNW	1	NE	2	NE	1	N	1	3	Ci.	Cu.	3	----------	Cu. NE	
20	NNW	1	NW	1	NW	1	SE	1	NW	0	NW	0	3	Ci.	Cu.	5	Ci.	Cu. NNE	
21	NNW	1	NNW	0	NNW	0	SSE	1	NNW	0	Calm	----	7	Ci.	Cu. ENE	9	----------	Cu.-N. ENE	
22	N	0	NNW	0	ENE	1	E	2	E	1	NWbyN	0	8	----------	Cu.-N. ENE	7	Ci.-S. W	Cu. ENE	
23	WNW	1	WNW	1	NW	0	SSE	1	SE	1	Calm	----	5	Ci.	S.-Cu.	3	Ci.	Cu. ENE	
24	NNW	0	N	0	NW	1	NW	1	NW	1	NNW	1	6	Ci.-S.	S.-Cu.	8	----------	Cu.-N. NE	
25	NW	1	NNW	1	WNW	0	SE	1	NNW	1	NW	1	2	----------	Cu.	7	Ci.-Cu. SW	Cu. ENE	
26	NW	1	Calm	----	SW	1	S	3	N	1	NW	1	8	ci.-s.,ci.-cu.sw	Cu.-N. ENE	8	Ci.-Cu. SW	Cu.-N. E	
27	NW	1	NW	0	E	2	N	1	NNW	1	NW	1	8	Ci.-Cu. SW	Cu.-N. ENE	9	----------	Cu.-N. ENE	
28	NNW	1	NW	1	ENE	2	ESE	4	NW	0	NW	1	7	Ci.-S.	Cu.-N. ENE	10	----------	N. E	
29	ENE	1	WNW	1	EbyS	2	EbyS	2	ESE	1	NE	1	4	Ci.	Cu. ENE	7	Ci. WSW	Cu. ENE	
30	N	1	N	1	N	1	E	2	ENE	1	ENE	1	9	Ci. SW	S.-Cu. ENE	8	Ci. SW	Cu. ENE	
31	WNW	2	N	1	NNW	2	W	1	WNW	1	Calm	----	7	Ci.	N.-cf. ENE	9	----------	Cu.-N. ENE	
Mean	------	0.9	------	0.6	------	0.9	------	1.5	------	0.9	------	0.7	5.9	----------	----------	6.4	----------	----------	

TACLOBAN.

[$\phi = 11°\ 15'$ N; $\lambda = 125°\ 00'$ E; barometer above sea, 3.4 meters; gravity correction not applied, −1.82 mm.]

APRIL, 1911.

Day.	Atmospheric pressure, 700.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.54	57.97	58.78	56.25	57.33	58.90	25.3	24.5	27.6	31	24.2	24.1	31.6	23.6	91	94	79	61	92	94	2.3
2	58.10	58.37	59.34	58.37	58.78	59.63	24.1	24.1	27.2	25.3	25.2	24.7	29	23.5	95	95	87	84	88	91	10.4
3	58.83	58.73	59.68	58.84	59.62	61.05	24.1	24	29.4	27.6	26.2	25.1	30.9	23.3	94	95	74	75	82	84	.5
4	59.77	59.46	60.35	58.05	58.59	59.86	22.8	23.5	30.6	32.7	27.2	25.2	33	22	93	96	68	62	87	92	3.8
5	58.74	59.13	60.13	57.71	57.81	59.55	25.2	24.5	24.5	27.4	25.2	23.8	28.8	23	91	94	93	78	90	95	51.6
6	58.33	59.04	59.99	58.34	58.12	59.55	24	24.4	26	27	25.6	24.7	27.3	23.6	96	95	88	77	87	92	16.5
7	58.09	58.55	59.54	57.04	57.81	58.87	24	24	26.5	29	26.3	25.5	30.8	23.5	97	98	88	75	90	92	4.8
8	57.99	58.33	59.26	57	57.19	59.11	24.8	24.4	30	31.5	27.3	25.6	32	24.1	95	97	73	65	82	90	------
9	57.88	58.13	59.24	56.57	57.40	58.84	25	24.5	27.4	28.3	26.5	25.3	30	24	93	96	89	84	91	92	11.7
10	56.98	57.84	59.19	56.95	56.82	58.74	24.2	25	27.2	29.3	27.8	26	31.4	23.8	97	96	87	82	79	90	------
11	57.83	57.75	58.94	56.58	56.75	59.26	25	23.9	30.2	30.5	28.3	26.1	31.4	23.2	89	96	72	70	82	93	------
12	58.25	58.61	59.60	57.81	57.40	59.52	25.9	25	30.3	29.6	27.9	26	32	24.6	90	93	71	67	75	84	------
13	58.92	59.43	60.44	57.99	57.64	59.01	24.8	24.4	30	31.3	28	26	32.3	23.2	92	93	65	69	77	88	------
14	58.82	58.68	59.18	57.43	57.32	59.07	24.8	24.6	31	30.5	27	25.7	32	24.3	93	93	65	70	84	91	4.3
15	57.86	57.93	58.91	56.78	57.86	59.22	25.1	24.4	30.2	31.6	28	26.4	33	24	93	97	68	65	85	92	2
16	58.73	59.03	59.46	57.19	57.84	59.74	25	24.3	30.9	31.1	28.5	26.1	32.5	23.9	92	94	66	65	75	89	------
17	59.15	59.51	59.91	57.49	58.07	59.61	24.4	24.7	30.7	31.3	28	26.1	33	23.6	97	97	65	68	77	86	.5
18	58.82	59.22	59.65	57.39	58.32	59.94	25.2	25	31	32	26.6	26.1	33.4	24	90	92	67	61	87	89	2.8
19	58.62	59.04	60.28	58.53	60.04	61.11	24.7	24.8	30.5	30.3	25	24.4	33.4	24	86	85	71	65	91	96	4.6
20	60.11	60.67	60.94	59.53	59.57	61.42	24.5	24.3	28.2	28.5	26.8	25.7	29.6	23.6	95	97	79	78	85	88	------
21	60.26	60.62	61.23	59.32	59.61	60.34	25.3	25.1	29.1	28.4	27.6	26.2	31.3	24.7	89	91	77	75	82	86	2
22	59.47	59.13	58.88	56.65	56.87	58.43	24.2	24.4	25.2	21.4	22.3	22.5	26.4	20.5	97	97	97	93	86	83	38.4
23	57	57.54	58.75	57.06	57.72	59.30	21	20.7	29.6	30.2	27.1	26.3	30.9	20.2	95	97	72	70	86	90	8.4
24	58.59	58.99	60.05	57.64	58.81	60.46	25.1	24.7	30.8	28.7	27.7	26	32.8	24	93	94	76	73	79	92	------
25	59.17	60	60.93	58.57	59.93	61.54	25.3	25.2	31.4	32.9	28.2	26.3	33.4	24.6	96	95	73	64	82	90	1.5
26	60.33	60.72	61.39	58.44	59.10	60.72	24.5	24.3	31	31	28	26.7	32.4	23.8	96	97	73	69	85	90	------
27	59.35	59.69	60.15	57.85	58.42	59.61	26.2	25.5	31.8	28.1	28.1	26.2	32.3	24.7	92	96	70	84	81	93	2.5
28	58.36	58.65	58.79	57.28	57.32	59.11	25.5	25.1	31.6	26	28	27.2	33.3	24.5	97	97	72	90	77	79	16.5
29	58.31	58.73	58.89	57.17	57.49	59.01	26	24.5	31.2	33	28.8	26.5	34.4	24.2	86	96	71	64	83	93	------
30	58.62	58.97	59.51	57.99	58.62	59.76	25.8	25.4	29.5	31.3	26.8	25.9	33.6	25.1	95	97	76	63	90	95	1.3
Mean	58.63	58.95	59.71	57.66	58.14	59.68	24.7	24.4	29.4	29.6	26.9	25.6	31.6	23.6	93.2	95	75.7	72.2	83.9	90	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	186.4

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	WNW	0	Calm	----	EbyS	0	SSE	2	NW	1	NW	0	10	----------	Cu.-N. NNE	7	Ci.-S. WNW	Cu. ENE
2	NNW	1	NW	1	W	0	Calm	----	NNE	0	NE	0	7	Ci.-S. WNW	S.-Cu. NE	10	----------	N. ENE
3	WNW	1	WNW	1	SSE	1	SE	1	SE	0	Calm	----	6	Ci.-S. W	Cu. ENE	8	Ci.-S. W	Cu. E
4	WNW	0	Calm	----	NE	0	ESE	1	ESE	1	NW	1	6	Ci. W	S.-Cu.	7	Ci. SSW	Cu. E
5	NW	1	NNW	1	NNW	1	ENE	1	ENE	0	WNW	1	10	----------	Cu.-N. ENE	8	Ci.-S. SW	Cu. ENE
6	WNW	1	W	0	W	0	NNE	0	NNE	0	Calm	----	10	----------	Cu.-N. ENE	9	----------	Cu.-N. ENE
7	W	1	Calm	----	ENE	0	SSW	0	SSW	1	Calm	----	10	----------	N. NE	8	----------	Cu.-N. NE
8	NW	0	WNW	0	S	1	SE	1	SE	0	ESE	0	6	Ci.-S.	Cu. ENE	7	Ci.-S. W	Cu. ENE
9	WNW	0	WNW	0	ESE	0	ESE	1	Calm	----	Calm	----	5	Ci.-S. NW	Cu. ENE	9	----------	Cu.-N. ENE
10	Calm	----	NNW	0	E	1	SE	1	S	1	Calm	----	9	----------	Cu.-N. E	5	Ci.-S. W	Cu. E
11	Calm	----	Calm	----	SSE	2	SSE	2	SSE	1	Calm	----	6	Ci. NW	Cu. ESE	3	Ci.	Cu.
12	Calm	----	Calm	----	S	1	S	2	S	1	SE	1	4	Ci.	Cu. ESE	7	Ci. WNW	Cu. E
13	NW	0	NW	1	S	0	SbyE	2	E	1	ESE	1	4	Ci.	S.-Cu.	5	----------	Cu. NE
14	WNW	0	NW	1	S	0	S	2	S	0	S	0	7	Ci.	S.-Cu. E	7	Ci. SW	Cu. E
15	WNW	0	NW	0	S	1	SSE	1	S	1	Calm	----	5	Ci.	Cu.	4	Ci.	Cu.
16	WNW	0	Calm	----	E	0	SSE	2	E	1	WNW	0	7	Ci. SW	S.-Cu.	5	Ci.	Cu.
17	WNW	0	NW	0	ESE	1	SSE	2	SSE	1	SSE	1	7	Ci.	S.-Cu.	6	Ci. W	Cu. E
18	Calm	----	Calm	----	ESE	1	SE	2	SE	1	SE	1	7	Ci. W	S.-Cu.	7	Ci. WSW	Cu. E
19	Calm	----	WNW	1	NE	1	SE	1	NE	1	WNW	0	8	Ci.-S. S	S.-Cu.	8	Ci. S	Cu.
20	NW	1	NW	1	NW	0	NNE	0	NE	1	NNW	1	8	Ci., Ci.-S. SSW	S.-Cu.	9	----------	Cu.-N. ENE
21	N	1	NNW	1	NNW	1	ESE	1	NNW	1	N	1	9	Ci.-S.	Cu.-N. NE	9	----------	N. ENE
22	Calm	----	NNW	1	NbyW	2	WNW	2	NW	2	W	1	10	----------	N. ENE	10	----------	N. N
23	W	1	Calm	----	S	2	SSE	2	SSE	1	SSE	1	6	Ci.-S. SW	S.-Cu.	6	Ci.-S. SW	Cu. E
24	Calm	----	Calm	----	SE	1	S	0	S	1	Calm	----	2	----------	Cu.	8	----------	Cu.-N. SSW
25	Calm	----	NW	0	SE	1	SE	1	SSE	1	SSE	0	8	A.-Cu.	Cu. SW	8	----------	Cu. SW
26	Calm	----	WNW	0	SE	1	SE	0	SE	1	Calm	----	5	Ci.-S.	Cu. SE	8	Ci.-S. N	Cu. SW
27	WNW	0	NW	0	ESE	1	WNW	1	Calm	----	Calm	----	7	Ci.	Cu. SE	8	Ci.	Cu.-N. WSW
28	Calm	----	Calm	----	E	1	SSE	1	SE	1	Calm	----	6	Ci.	Cu. SE	9	----------	N. S
29	WNW	0	Calm	----	NNE	0	NNW	1	N	1	Calm	----	5	Ci.-S. E	S.-Cu.	7	Ci.-S. E	cu. WbyN
30	Calm	----	Calm	----	WNW	1	W	1	W	1	Calm	----	8	Ci.-S. E	S.-Cu.	8	Ci. E	Cu. W
Mean	------	0.3	------	0.3	------	0.7	------	1.1	------	0.8	------	0.3	6.9	----------	----------	7.3	----------	----------

TACLOBAN.

[$\phi = 11° 15'$ N; $\lambda = 125° 00'$ E; barometer above sea, 3.4 meters; gravity correction not applied, —1.82 mm.]

MAY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.01	59.07	60.11	58.04	58.69	59.69	25.8	25.3	30.7	29	27.3	26	34.5	24.5	94	95	74	76	82	89	0.5
2	58.50	58.64	59	56.95	57.88	58.89	24.8	25	30.8	28.6	25.8	26.1	33.5	24	93	93	65	72	85	83	------
3	57.91	57.93	59.16	57.51	58.22	59.72	25.2	24.8	31	30	27.8	26	32.4	24	91	93	69	69	75	87	3.6
4	58.77	59.37	59.98	58.74	59.34	61.26	24.7	24.9	30.5	29	27.2	26.4	31.4	24	97	96	73	76	87	86	------
5	59.83	60.98	61.43	59.28	59.90	61.29	25.2	25.4	30.1	28.5	27	25.3	31.6	24.2	95	94	77	81	86	93	------
6	60.37	60.70	60.90	59.13	59.27	60.87	24.8	24.6	31	27.4	26.7	25.1	32.4	24	94	95	72	80	88	90	------
7	59.56	60.41	60.95	58.47	59.63	61.25	24.3	24.4	31.5	32	24.5	24.2	33.9	23.5	95	91	68	67	94	95	10.7
8	59.60	59.67	60.31	57.95	58.45	60.07	23.8	24	29.8	31.4	27.5	25.5	32	23.2	96	95	68	65	82	92	------
9	59.67	59.87	60.98	58.24	58.51	60.11	25	25	31.6	32.5	27.6	26.3	33	24.5	96	96	65	60	85	88	------
10	59.41	59.67	60.58	58.61	58.87	60.46	25.1	25.1	31.8	29.3	27.2	26	33.5	23.7	94	95	64	76	87	92	------
11	58.49	59.04	60.33	58.40	58.39	59.79	25.2	25.1	28.9	28.8	27.2	26.1	32.7	24.4	94	95	76	79	87	94	7.4
12	58.91	59.23	59.14	57.27	58	59.42	25.8	25.4	32	32	27.7	26.5	34.2	24.9	93	95	66	68	87	90	1.8
13	58.29	59.30	60.50	58.74	58.43	59.36	25.5	25.3	24.8	25.9	25.4	24.5	26.7	23	93	93	96	88	92	97	25.4
14	58.23	57.99	59.25	58.33	58.73	59.63	24.5	24.5	30.3	26.3	24.5	24.3	32	23.7	96	96	71	89	94	96	17
15	58.83	58.83	59.41	58.29	58.32	60.10	24.3	24.4	30	28.6	27.2	25.5	32.4	22.8	95	94	73	79	84	90	------
16	59.13	59.31	60.14	58.63	58.26	59.41	24.8	25.2	28.2	25.3	25.2	24.4	31.5	24	95	95	80	93	93	97	26.7
17	58.57	58.82	59.38	57.79	58.23	59.11	24.4	24.3	29.8	28.6	27.3	25.7	31.3	23.2	96	97	75	79	88	93	.8
18	57.99	58.12	58.84	57.09	57.63	58.95	24.8	24.7	30.4	27.6	26.2	24.8	32	23.8	94	93	69	80	86	92	------
19	58.03	58.69	58.84	57.46	57.94	59.26	24.4	24.7	31	29	27	26.2	32.1	23.6	92	97	68	79	86	90	------
20	58.26	58.45	58.77	57.28	58.20	59.52	25.2	25	31	29.2	27.5	26.5	31.9	24.3	94	95	71	76	83	90	------
21	58.35	58.86	59.19	57.27	57.96	59.16	25.8	25.6	31	31.4	28.2	26.8	32.2	24.8	95	95	71	70	82	88	------
22	58.10	58.42	58.48	56.88	57.65	59	25.3	25.6	31	32.7	28.4	26	33	23.8	97	96	70	60	79	94	3.3
23	57.73	58.36	58.77	56.76	56.73	59	25.5	25.3	31.8	31.9	28.5	26.2	33.1	24.4	96	95	65	67	81	92	------
24	57.65	57.75	58.22	56.58	56.83	58.73	25.6	25.8	31.1	31.6	28.2	27.2	32	24.6	94	93	70	68	80	86	------
25	57.92	58.46	59.34	57.53	58.05	59.63	26.3	26	31.2	33	27.5	26.8	33.4	25.2	93	94	71	63	87	87	------
26	58.78	58.65	59.57	57.62	58.08	60.19	25.5	25.5	32.6	32.4	28.7	27.6	33.5	24.5	94	94	64	63	83	87	------
27	59.08	59.41	59.48	57.68	57.93	59.38	26.2	26.4	32.5	30.8	28.8	27.4	34.5	24.3	93	94	63	70	80	87	------
28	58.43	58.97	58.99	56.91	57.18	59.13	25.7	26	31.2	32.5	28.4	27.5	33.3	25	96	95	66	58	79	81	------
29	58.01	58.27	58.58	56.36	56.77	58.52	26	26	32.4	32.4	28.5	26.8	33.5	25.3	93	94	66	56	78	90	------
30	57.60	57.98	58.36	56.58	57.45	59.33	26.2	26	31.9	33	29.2	26.8	35.8	24.5	94	95	61	62	74	86	------
31	58.42	58.55	59.29	57.62	58.36	59.87	25.6	25.9	31.5	27.9	28	25.9	33.2	24	88	89	65	78	77	91	10.9
Mean	58.63	58.96	59.56	57.74	58.19	59.68	25.2	25.2	30.8	30	27.3	26	32.7	24.1	94.2	94.4	70.1	72.5	84.2	90.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	108.1

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.				2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.			Amount.	Form and direction.		
														Upper.	Lower.			Upper.	Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*				*0–10*			
1	NW	0	WNW	1	NNW	1	NbyW	2	N	1	N	0	8	Ci.-S. ENE	S.-Cu.		9	----------	N. N	
2	WNW	0	WNW	0	NNW	1	SbyE	2	NE	1	Calm	----	7	Ci.-S.	Cu. N		7	----------	Cu.-N. N	
3	WNW	0	WNW	0	E	1	SSE	1	SSE	1	SSE	1	5	Ci.-S.	S.-Cu.		8	Ci.-S. W	Cu. ENE	
4	NW	1	N	0	SSE	2	SSE	0	Calm	----	W	0	8	----------	Cu.-N. SE		8	----------	cu.-N. ESE	
5	WNW	0	Calm	----	ESE	1	ESE	1	ESE	1	Calm	----	8	----------	Cu.-N. E		8	----------	cu.-N.ENE	
6	Calm	----	Calm	----	ESE	1	W	1	W	0	SSW	0	5	Ci.-S.	Cu.		8	----------	cu.-N. ESE	
7	Calm	----	WNW	1	E	1	ESE	1	W	1	WNW	1	4	Ci.-S.	Cu.		8	Ci. E	Cu. W	
8	Calm	----	Calm	----	S	1	S	1	S	0	Calm	----	7	Ci.-Cu. N	Cu. ESE		6	Ci.-S. N	Cu.	
9	Calm	----	Calm	----	SE	1	SE	2	SE	1	Calm	----	4	Ci.	Cu.		6	----------	Cu. ESE	
10	NW	0	NW	0	SSE	1	SSE	1	SSE	0	NW	1	4	Ci.-S. N	Cu.		8	----------	Cu.-N. E	
11	Calm	----	NNW	1	Calm	----	ENE	1	ENE	0	NNW	1	4	Ci.-S. N	Cu.		9	----------	cu.-N. ESE	
12	NW	1	NW	1	ESE	0	SSE	2	ESE	1	W	0	7	ci.-s. NbyE	Cu.		4	----------	Cu. E	
13	Calm	----	NW	1	SW	0	NNW	0	NW	1	Calm	----	9	----------	N. ENE		10	----------	N. ENE	
14	WNW	0	W	0	ESE	0	E	2	NW	0	NW	0	8	ci.-cu. SSW	S.-Cu.		10	----------	N. E	
15	Calm	----	Calm	----	E	0	SSE	1	Calm	----	Calm	----	7	ci.-cu.,ci.-s.SSW	Cu.		9	----------	Cu.-N. E	
16	Calm	----	NNE	0	S	3	Calm	----	Calm	----	Calm	----	6	----------	Cu. E		10	----------	N. E	
17	NW	0	NW	1	E	0	SSE	1	Calm	----	Calm	----	8	----------	Cu.-N.		8	----------	cu.-N.ENE	
18	Calm	----	Calm	----	SSW	1	NNE	0	E	0	Calm	----	1	----------	S.-Cu.		8	----------	cu.-N.ENE	
19	Calm	----	NW	1	S	1	E	2	E	0	Calm	----	3	----------	Cu.		8	----------	Cu.-N. E	
20	NNW	0	NW	0	S	1	SSE	1	SSE	0	Calm	----	3	----------	Cu. E		8	----------	Cu.-N. E	
21	WNW	1	NW	0	SbyE	1	SbyE	2	SbyE	1	Calm	----	4	Ci.-S. W	Cu.		4	Ci.	Cu. E	
22	WNW	0	WNW	0	S	1	ESE	2	SSE	1	Calm	----	3	----------	Cu. E		6	Ci. W	Cu. E	
23	WNW	1	WNW	1	SSE	1	SSE	2	SSE	1	Calm	----	5	Ci.	Cu.		7	Ci. WSW	Cu. E	
24	WNW	0	NNW	0	SSE	2	S	2	S	1	WNW	0	4	Ci.-S. SSW	Cu.		7	ci.-s.swbys	Cu. E	
25	WNW	0	W	0	S	1	SSW	1	SSE	1	WNW	1	4	Ci.	Cu. E		7	Ci.-S. SW	Cu. ENE	
26	WNW	0	NW	0	ESE	1	SSE	2	SSE	1	Calm	----	3	Ci.	Cu. ENE		5	Ci.-S. SW	Cu. ENE	
27	WNW	0	WNW	1	S	1	S	1	S	1	WNW	0	7	Ci. SW	Cu.		8	Ci. SW	Cu. ENE	
28	WNW	0	NW	0	SSE	1	SSE	2	SSE	1	S	0	7	ci.-s.swbys	Cu.		6	Ci.-S. SW	Cu.	
29	WNW	0	NW	0	SSE	1	SSE	1	SSE	1	NNW	1	4	Ci.-S.	Cu.		4	Ci.-S.	Cu.	
30	Calm	----	NE	0	SSE	1	SSE	1	SSE	0	W	0	4	Ci.-S. SSW	Cu.		6	Ci.-S. SW	Cu. E	
31	NW	1	WNW	0	S	1	SSE	1	SSE	0	Calm	----	5	Ci.-S. SSW	S.-Cu.		10	----------	N. E	
Mean	------	0.2	------	0.3	------	0.9	------	1.2	------	0.5	------	0.2	5.4	----------	----------		7.4	----------	----------	

TACLOBAN.

[$\phi = 11° 15'$ N; $\lambda = 125° 00'$ E; barometer above sea, 3.4 meters; gravity correction not applied, —1.82 mm.]

JUNE, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.08	60.09	60.86	58.62	59.46	60.42	24.8	25.2	25.6	29	27	26.3	29.5	23.3	98	95	91	71	82	86	16.7
2	59.65	60.67	60.58	59.61	59.75	60.40	25.4	25.2	26.3	29.8	27.2	25.2	31	24.4	92	93	90	73	83	96	6.4
3	60.04	60.11	60.76	59.57	59.70	61.32	25.1	24.9	30.3	28.3	27.5	26	32.4	23.8	95	97	73	78	82	92	13.2
4	60.24	60.37	60.60	58.67	59.06	60.85	24.4	24.3	30.7	30.3	25.2	25.8	32.8	23.8	93	92	70	75	90	89	5.8
5	59.67	59.91	60.09	57.84	58.85	60.28	25.4	25	29.8	30.9	26	26	31.5	24.2	93	96	69	68	90	87	24.8
6	59.38	59.39	59.65	57.77	58.01	59.62	24.5	24.5	29.2	30.8	27.4	26	31.5	24	97	96	76	70	85	92	------
7	58.14	59.12	59.51	57.85	58.01	59.32	25.4	25.3	31	28.8	27.5	26.2	33	24.4	93	93	69	82	84	90	------
8	58.28	58.90	59.38	57.74	58.17	59.65	25.6	25.4	31.6	30.9	27.8	26.5	33.4	24.6	89	88	70	72	84	89	2
9	58.40	59.07	59.95	58.65	58.85	60.85	25.8	25.8	31.9	31.8	28.8	26.8	34	24.6	93	95	68	69	79	91	------
10	59.22	60.12	60.60	59.14	59.33	60.28	26.1	26	30.3	26.3	26.2	25.7	34.3	24.4	91	92	75	89	90	94	4.6
11	59.17	59.60	60.09	58.22	58.78	59.78	25.5	25.7	30.4	30.8	27.5	26.5	33	24.9	96	94	74	72	88	92	1.5
12	58.64	58.79	59.63	58 20	58.47	59.66	25.9	26	26.8	29.8	27.8	26.1	30.7	24.2	91	90	84	77	85	93	2
13	58.90	58.88	59.34	57.53	59.36	61.51	25.2	25.5	30.2	32.5	25.7	24.9	34	24	97	96	75	65	93	94	32.5
14	60.21	60.23	60.60	59.39	58.60	60.54	24.7	24.4	29	30.2	29.2	27.2	31.8	23.6	94	97	76	70	75	84	------
15	59.93	60.02	60.41	58.68	58.87	59.48	25.5	26.8	30.6	31.1	29.2	27.3	32	24.3	91	86	68	62	72	82	------
16	58.21	58.29	59	57.38	57.34	58.31	27	27.2	30.3	30.6	26.3	27.3	32.8	24.8	80	78	70	73	90	82	8.9
17	56.77	56.98	57.72	56.23	56.62	58.29	25.3	25.8	30	31	27.2	26	32	23.8	85	81	71	69	87	92	5.3
18	56.77	57.30	57.90	56.36	57.27	59.09	25.2	25.2	29.3	30.7	26.4	25	33	23.6	90	92	74	69	90	92	4.6
19	58.50	58.48	59.37	57.97	58.31	59.59	24.6	24.5	29.5	30	27.5	27.5	31.8	24.2	94	95	73	71	85	84	------
20	58.83	59.53	60.06	58.10	58.50	60.40	25.7	24.9	31	31.7	28.4	27.2	33.3	24	88	92	69	65	75	82	------
21	59.18	60.73	60.96	58.85	59.51	61.20	26.2	25.5	31.4	30.3	29	26.3	32.4	25	90	94	70	66	72	89	------
22	60.38	61.23	61.74	60.16	60.43	62.12	24.8	25.4	32	27.4	27.2	25.6	33.6	23.8	97	94	66	84	83	91	1
23	60.92	61.30	61.55	59.56	60.33	61.41	25.4	25.6	31.6	28.9	26.3	25.5	33	24	93	95	70	82	92	93	2
24	59.72	60.07	60.27	58.11	58.54	59.55	24.9	24.5	29.7	29.3	28.9	25.7	33	23.7	95	96	69	79	79	94	------
25	58.35	58.12	58.75	56.74	57.50	59.22	24.9	25.5	31.5	26.8	28.5	26.2	34	23.7	95	93	69	87	83	90	12.2
26	58.54	58.95	58.83	57.26	57.54	58.99	25.9	25	28	30.6	26.5	25.4	31.5	24	85	88	82	71	79	86	------
27	57.67	58.38	58.86	57.94	57.97	59.15	25	24.3	31	24.5	25.5	24.9	33.8	23	88	92	70	82	89	92	13.8
28	58.68	59.03	59.11	57.36	57.43	58.64	24.2	24.3	31	28.3	27	26.1	33.9	23.8	94	93	67	82	86	89	1.3
29	58.03	58.14	58.25	56.62	56.28	56.40	25.6	24.9	28.7	28	26.8	26	30.2	24.3	89	93	82	80	84	84	10.2
30	55.33	55.93	55.09	54.83	54.96	56.29	25	24	25	26	24.3	23.8	27.4	23	87	90	92	92	91	93	14.7
Mean	58.83	59.26	59.68	58.03	58.39	59.75	25.3	25.2	29.8	29.5	27.2	26	32.4	24	91.8	92.2	74.1	74.8	84.2	89.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	183.5

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.				
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.		Amount.	Form and direction.	
														Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	SSE	0	SSE	1	SSE	2	SSE	2	Calm	----	Calm	----	10	----------	N. SE	8	Ci.-Cu. SW	Cu.-N. ESE
2	Calm	----	W	1	NW	1	SE	0	Calm	----	NW	0	10	----------	N. E	8	Ci. SW	Cu.
3	Calm	----	NW	1	SSW	1	N	1	NNW	0	NNW	0	6	Ci.-S. SW	Cu.	8	Ci.-S. SW	Cu.-N. E
4	Calm	----	Calm	----	E	0	SSE	1	SSE	1	Calm	----	8	Ci.-S.	Cu.-N. E	7	Ci.-S. S	Cu. E
5	WNW	0	NW	1	WNW	0	SE	1	NW	1	NW	1	5	Ci.	S.-Cu.	8	Ci. SW	Cu. E
6	NW	1	Calm	----	S	1	S	1	S	1	WNW	0	8	Ci.-Cu.	Cu.-N.	5	----------	Cu. E
7	NW	0	NNW	0	S	1	SE	1	SE	0	NNW	0	2	----------	Cu.	8	----------	Cu.-N. E
8	Calm	----	NW	1	S	1	S	1	S	0	Calm	----	3	----------	Cu.	6	Ci.-S. SW	Cu. E
9	Calm	----	NNW	1	E	1	E	1	E	1	Calm	----	3	----------	Cu. ENE	8	Ci.-S. SW	Cu. ENE
10	WNW	1	NW	1	NNW	1	NE	1	W	0	W	0	2	----------	Cu.	10	----------	Cu.-N. ENE
11	NW	1	NW	1	E	1	E	1	E	1	Calm	----	7	Ci.-S. SSW	S.-Cu.	8	Ci.	Cu. E
12	N	1	N	1	SbyE	1	ESE	0	Calm	----	ESE	1	8	Ci.-S. SW	Cu. E	9	----------	Cu.-N. ENE
13	NNW	0	NW	1	E	1	NEbyE	1	WNW	2	WNW	1	7	Ci.-S.	Cu.	8	Ci.-S. SW	Cu. NW
14	WNW	1	Calm	----	WNW	2	WNW	2	W	1	WNW	0	7	A.-Cu. NW	Cu.	8	A.-Cu. NW	Cu. NW
15	WNW	1	WNW	0	WNW	3	WNW	2	NW	1	NW	1	5	Ci.-S. SW	Cu.	7	Ci. SW	Cu. WNW
16	NNW	1	N	1	WNW	1	ESE	1	Calm	----	WNW	0	7	Ci. SW	Cu.	9	Ci.	Cu.-N. W
17	Calm	----	WNW	0	SbyE	1	SE	1	Calm	----	Calm	----	8	Ci., Ci.-Cu. sw	Cu.	8	Ci.	Cu. WNW
18	SSW	1	WNW	0	Calm	----	SSE	1	SSW	0	Calm	----	8	A.-S.	Fr.-N. WNW	8	Ci.	Cu.-N. WNW
19	Calm	----	Calm	----	SbyE	2	SbyE	2	S	1	Calm	----	10	----------	Cu.-N.	8	Ci. E	Cu. WSW
20	Calm	----	Calm	----	SSE	1	SE	1	SSE	1	SSE	1	7	Ci.-S. NE	Cu.	8	Ci.-S. NE	Cu. SE
21	Calm	----	Calm	----	SE	2	SE	1	SE	1	Calm	----	8	Ci.-S. N	S.-Cu.	8	Ci. N	Cu. SE
22	WNW	0	NW	0	ESE	1	Calm	----	SSE	1	Calm	----	2	----------	Cu. SE	8	Ci.-S.	Cu.-N. ESE
23	WNW	0	WNW	1	NNE	0	NE	1	Calm	----	Calm	----	2	----------	Cu.	8	----------	Cu.-N. NE
24	WNW	0	Calm	----	N	0	ENE	1	ENE	1	Calm	----	3	----------	Cu.	8	Ci.-S. W	Cu.-N. NE
25	Calm	----	ENE	0	E	1	NW	1	Calm	----	N	1	8	Ci.	S.-Cu.	8	Ci. N	Cu.-N. SE
26	NNW	3	N	1	N	0	SSE	1	Calm	----	NNW	1	8	----------	Cu.-N. ESE	8	Ci. N	Cu. ESE
27	NNW	1	Calm	----	E	1	NNW	1	Calm	----	N	1	8	Ci. N	S.-Cu.	10	----------	N. NE
28	WNW	1	Calm	----	N	0	NW	0	NW	0	NW	0	7	Ci.-S. N	Cu.	8	----------	Cu.-N. NW
29	NW	0	NNW	0	NbyE	0	NW	1	NW	2	NNW	1	9	----------	Cu.-N. W	8	Ci.	Cu.-N. NW
30	WNW	1	W	1	W	1	Calm	----	S	1	S	1	10	----------	N. WNW	10	----------	N. WbyS
Mean	------	0.5	------	0.5	------	0.9	------	1	------	0.6	------	0.3	6.5	----------	----------	8	----------	----------

TACLOBAN.

[ϕ=11° 15′ N; λ=125° 00′ E; barometer above sea, 3.4 meters; gravity correction not applied, —1.82 mm.]

JULY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	55.91	56.36	57.21	56.30	57.12	58.88	23.2	23.2	25.2	26.1	26.9	25.1	27.4	22.8	96	97	92	90	86	95	13.1
2	57.98	58.65	60.20	59.35	59.71	60.82	24.5	24.4	29	27.3	25.5	24.2	30.8	23.4	92	91	78	75	88	96	13
3	59.47	60.08	60.70	58.87	59.19	60.62	24	24.9	28.6	28.8	25.8	25	31.5	23.5	97	97	83	81	89	93	1.5
4	59.64	59.82	59.52	57.93	58.73	60.11	25	24.9	30	28.5	26	25.2	31	23.6	96	97	75	80	89	94	8.1
5	59	59.57	59.75	57.90	58.47	59.91	25.1	24.7	28.3	28.5	26.1	25.5	31.4	24.3	92	95	80	76	89	91	------
6	58.68	59.14	59.57	57.18	58	59.40	24.9	24.9	31.4	31.6	27.1	26.3	33.9	24.2	96	96	68	66	90	90	------
7	58.55	58.94	59.22	57.49	58.68	60.38	25.2	25.1	31.8	31.9	26.8	25.7	34	24	92	92	64	69	85	89	6.3
8	59.22	59.24	59.67	57.74	58.38	59.65	24.6	24.6	28.7	27.3	25.1	25.3	32.8	23.9	93	95	78	82	98	96	16
9	58.70	58.92	59.42	57.10	57.57	59.10	25.2	25	30.3	31.6	29.5	27.2	33.5	24.4	95	96	74	59	68	87	------
10	58.44	58.22	59.16	57.75	58.02	59.12	26.1	24.2	29.6	31.7	28.5	27	32.4	23.8	85	95	66	58	74	84	------
11	57.86	58.19	59.05	56.73	57.71	58.60	27.4	27.2	29.4	30	28.3	26.1	31.4	25	78	76	72	64	72	84	38.1
12	58.24	58.34	59.16	56.69	56.46	56.64	23.9	25.1	23.4	25.4	25	24.5	25.6	22.6	92	86	93	88	87	83	68.8
13	55.44	54.80	55.03	54.20	54.19	55.72	24	24	25.8	25.3	26.7	26.7	27.1	22.3	84	83	81	84	68	69	2.5
14	54.77	55.46	55.12	54	55.30	57.09	26.7	26.7	30.4	31.3	25.8	25.7	32	22.6	69	69	60	57	73	75	17.3
15	56.66	56.73	57.13	55.76	56.21	57.78	23.8	26	31.2	31	29.4	28	33.4	22.4	85	76	58	59	67	75	------
16	57.42	57.18	57.68	57.09	56.82	58.38	26.6	25.6	31	24.8	27.5	24.9	32.7	23.9	69	75	56	90	77	92	.8
17	57.58	57.56	57.80	56.38	56.80	58.07	24.5	23.6	30.4	32.7	29.2	26.1	33.6	23	86	90	64	60	70	87	------
18	57.49	57.13	57.48	55.53	55.73	57.79	25.1	25.7	28.6	30.5	28.3	25.4	32.3	24.3	85	83	74	61	70	90	------
19	56.54	57.08	57.43	55.53	56.30	58.32	25.8	25	29	31.6	28.8	26.4	32.6	24	86	90	71	62	76	85	------
20	56.60	56.83	57.77	56.18	56.70	58.23	24.8	24.5	30.4	31.4	28.8	25.2	31.8	23.9	92	94	72	70	77	96	------
21	56.40	56.54	56.51	55.38	56.64	57.39	25.1	24.9	29.1	30.8	23.7	23.9	32.3	23	92	92	73	60	96	94	11.4
22	55.49	55.40	56.23	54.08	54.34	56.26	24	23.7	29	30.6	28.7	26	32.8	23	94	97	75	68	78	84	------
23	54.64	54.72	55.69	54.40	54.96	56.68	26.5	27.8	30	29.4	27.5	25.5	31.6	24.8	76	69	66	62	81	89	3
24	55.12	55.02	56.74	54.79	54.90	56.51	27	26	26.7	30.5	29.5	28.7	31.9	24.8	80	83	83	59	61	64	1.3
25	55.41	55.19	55.79	54.68	55.13	56.46	27	27.2	31.3	32.4	30	28	33	25	74	73	59	54	62	70	------
26	55.90	55.94	56.05	54.61	55.07	57.21	27.1	25.6	31.5	33	29.5	27.3	34	25.3	75	84	54	55	73	86	------
27	56.89	57.24	58.35	57.26	57.39	58.42	26.8	26	30	30.8	28.2	26.9	31.1	25.3	87	92	75	69	80	85	3
28	57.80	57.83	58.79	57.24	56.94	58.05	25.8	25.6	25.3	27	25.4	25.3	28	23.3	88	90	89	80	92	91	23.1
29	56.93	57.14	57.54	55.71	55.97	57.27	24.9	24.9	26.4	27.7	26.1	26.1	28.2	24.3	92	91	85	76	86	85	------
30	56.60	56.69	57.12	55.68	55.85	57.32	25.2	25.2	28	27.6	27	26.1	29.3	24.4	88	87	77	78	79	81	.8
31	55.97	55.85	56.77	55.66	55.86	57.49	25.2	24.5	29.3	30	26.8	25	31	23.5	87	90	64	65	78	90	2.5
Mean	57.14	57.28	57.86	56.30	56.75	58.18	25.3	25.2	29	29.6	27.3	25.9	31.4	23.8	86.9	87.8	72.9	69.6	79.3	86.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	230.6

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	WSW	0	S	0	Calm	----	Calm	----	Calm	----	SSW	1	10	----------	N.	10	----------	N. SW	
2	SSW	0	SSE	0	SSE	2	NW	0	N	0	Calm	----	10	----------	Cu.-N. SW	9	----------	Cu.-N. S	
3	Calm	----	NW	0	SSE	0	SSE	1	Calm	----	WNW	1	9	----------	Cu.-N. S	9	----------	Cu.-N. SSE	
4	NW	0	NWbyN	1	NNW	0	Calm	----	Nbyw	1	NNW	1	7	Ci.-S. NNE	Cu.	8	----------	Cu.-N. SW	
5	WNW	1	WNW	1	WNW	1	N	2	NNW	1	WNW	1	8	A.-S.	Fr.-N.	9	Ci.	Cu.-N. SW	
6	WNW	1	W	1	E	1	SSE	2	SSE	1	NNW	1	3	----------	Cu.	6	Ci.-S. S	Cu. NE	
7	NNW	0	NNW	1	ESE	0	SE	1	SSW	1	Calm	----	4	Ci.-S. N	Cu.	5	----------	Cu. S	
8	WNW	1	NNW	1	NNE	0	NW	1	S	1	WNW	0	9	Ci.-Cu. NW	Cu.	8	----------	Cu.-N. ESE	
9	NNW	0	NW	1	WNW	1	NW	2	WNW	2	WNW	1	3	----------	Cu.	5	Ci.-S. E	Cu. W	
10	WNW	1	WNW	0	NW	2	NNW	2	NWbyW	1	NW	1	8	Ci.-Cu. SW	S.-Cu.	8	Ci. E	Cu. SW	
11	NNW	1	NW	2	NNW	3	NW	3	NW	1	NW	1	8	Ci.-S. E	Cu. WSW	8	Ci. E	Cu. W	
12	NW	2	NNE	1	NNW	2	NWbyW	2	NW	2	NW	2	10	----------	N. NW	10	----------	N. NW	
13	WNW	2	WbyN	6	wbyN	4	WNW	1	WSW	2	WSW	2	10	----------	N. WbyN	10	----------	N. WNW	
14	WSW	7	SW	1	WSW	3	SW	1	WSW	1	WSW	2	9	Ci.	Cu.-N. W	8	Ci. E	Cu. W	
15	SSW	1	S	1	WSW	2	W	1	SW	1	S	0	7	Ci.	Cu. SW	8	Ci. E	Cu. SW	
16	Calm	----	SW	0	WSW	2	NW	3	Calm	----	NW	0	8	Ci. E	Cu.	10	----------	N. WNW	
17	Calm	----	Calm	----	SW	1	NNW	1	NW	0	NNW	1	7	Ci.	S.-Cu.	7	Ci.	Cu. W	
18	WNW	2	NW	1	NW	1	NW	3	NW	2	NW	3	9	----------	cu.-N.WNW	8	Ci. ENE	Cu. WNW	
19	WNW	1	Calm	----	NW	2	NNW	1	NW	0	NW	0	8	----------	Cu.-N. NW	8	Ci.-Cu. SE	Cu. NW	
20	Calm	----	E	1	E	1	SSE	0	SSE	1	NNW	0	8	Ci.-Cu. SE	S.-Cu.	8	Ci. SE	Cu. W	
21	WNW	0	WNW	0	WNW	0	NNW	2	N	4	Calm	----	8	Ci.-Cu. SE	S.-Cu.	7	Ci.-Cu. SE	Cu. W	
22	Calm	----	Calm	----	N	0	W	1	Calm	----	Calm	----	8	Ci.-Cu.	Cu.-N. NW	8	----------	Cu.-N. NW	
23	Calm	----	WSW	2	NNW	0	WSW	2	Calm	----	WSW	1	8	Ci.-S.	Cu. W	9	----------	Cu.-N. W	
24	WSW	2	Calm	----	NNW	0	WSW	3	SSW	1	SW	1	9	Ci.	cu.-N. WSW	9	----------	Cu.-N. WSW	
25	WSW	1	SW	1	SW	3	WSW	2	SSW	1	Calm	----	7	Ci.-S. ENE	Cu. WSW	8	Ci. ENE	Cu. WSW	
26	Calm	----	SW	0	WSW	1	WSW	1	SW	1	Calm	----	6	Ci.-S. ENE	Cu.	7	Ci. ENE	Cu. WSW	
27	Calm	----	Calm	----	ESE	0	SE	0	SE	0	Calm	----	8	Ci.-S.	S.-Cu.	9	Ci.	Cu. WSW	
28	NW	1	NW	1	WNW	1	NNW	2	WNW	1	NW	1	10	----------	N. NW	10	----------	Cu.-N. NW	
29	NW	1	NW	1	NW	1	N	2	WNW	1	NW	1	10	----------	cu.-N.WNW	9	Ci.	Cu.-N. NNW	
30	NNW	2	WNW	1	WNW	2	WNW	2	NW	1	NW	1	8	Ci.-S. E	Cu. WNW	9	Ci.	Cu.-N. WNW	
31	NW	2	Calm	----	SWbyW	1	WSW	1	WSW	0	Calm	----	8	Ci. E	Fr.-N	9	Ci. E	Cu. WSW	
Mean	------	0.9	------	0.8	------	1.2	------	1.5	------	0.9	------	0.7	7.9	----------	----------	8.3	----------	----------	

TACLOBAN.

[$\phi = 11° 15'$ N; $\lambda = 125° 00'$ E; barometer above sea, 3.4 meters; gravity correction not applied, —1.82 mm.]

AUGUST, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1	56.63	56.75	56.93	55.80	56.30	58.09	26	26	30.7	32.6	30	26.2	34	24.6	76	75	57	52	63	83	0.8
2	57.37	57.59	58	56.16	56.67	58.48	24.9	24.4	29.7	31.2	28.5	26.7	31.8	23.5	91	93	67	62	77	88	------
3	57.13	57.37	57.55	55.54	56.27	58.48	26.9	25.4	30.2	32.5	29	26.9	34	24.1	83	88	70	58	75	89	------
4	57.52	57.09	57.76	56.05	56.35	57.99	25.6	25.4	31.6	29.2	28.5	26.5	33.3	24	93	93	66	78	82	90	2
5	57	57.39	57.66	56.20	56.87	58.77	25.4	25.3	30.6	31.8	29.5	27	33.3	24.9	93	94	74	66	76	88	------
6	57.53	57.67	58.08	56.53	56.90	58.72	26.7	25.6	31.5	32.3	29.7	27.2	33	25	80	83	71	56	69	84	------
7	57.27	57.47	57.65	56.32	56.87	57.97	26.5	26.6	30.6	31.3	28.6	28.1	32.4	25.5	88	87	63	63	72	75	------
8	55.81	55.86	56.09	55.35	55.40	56.29	26.9	27	29.5	30	28	27.1	32	26.2	83	83	64	65	74	78	------
9	55.28	55.37	55.43	53.95	54.37	55.62	26.3	25	31.5	31.4	29	27.3	33.6	24	83	92	60	58	75	85	------
10	54.54	54.47	54.68	53.47	54.60	55.87	25.2	24.6	32	31.9	28.5	26.5	33.5	24.2	88	92	66	66	75	85	.5
11	55.34	55.49	56.44	54.53	54.97	57.05	24.5	24.7	29.6	32.4	28.8	27.5	34.1	23.4	93	92	68	54	67	72	------
12	56.38	56.57	56.96	55.13	55.61	57.54	26.1	25.2	31.9	32.6	27.8	25.6	34.5	24.6	84	91	58	54	75	83	------
13	56.63	56.75	56.79	55.13	55.87	57.42	24.7	23.7	31	32.3	28	27.5	33.6	23	87	93	61	53	72	73	------
14	56.43	57.05	57.49	56.42	57.02	58.41	27.1	25.6	30.1	31.5	29.3	28	33.7	25.2	73	82	60	54	65	70	------
15	58.43	59.43	59.41	57.94	58.41	60.56	25.2	24.4	31.6	32	28.7	26.7	33.1	22.9	88	93	62	61	78	89	------
16	59.37	59.37	59.89	58.20	58.89	59.86	25.7	24.9	31.6	31.2	28.7	27	34.5	24.4	93	96	64	66	71	80	------
17	58.47	58.85	59.24	57.13	57.89	58.44	25.8	24.7	30.9	30.4	25.1	25.8	32.5	24.2	85	94	67	63	91	85	3.3
18	56.30	57.39	58.84	56.84	56.75	57.09	25.5	23.9	24.9	25.5	25	25.3	26.6	23.5	84	92	91	90	88	83	8.9
19	56.41	56.55	57.92	55.68	56.82	58	24.5	25.2	27.2	29	27.8	26.2	29.5	22.6	86	81	70	67	70	80	------
20	56.98	57.64	57.90	55.70	56.52	58.34	24	23.9	28.9	30	28	26.6	31.8	22.8	96	95	71	65	72	80	2.8
21	57.57	57.59	57.95	55.81	56.83	58.20	25.4	25.6	29.5	31	26.1	25.2	32	24.5	84	82	64	59	87	88	1.3
22	56.98	56.67	57.22	56	55.94	57.36	25	25.9	28.2	28	26.6	26.4	29.5	24.3	85	80	69	71	80	78	3.1
23	56.04	56.15	56.25	54.88	54.72	56.47	25.8	24.5	26.7	28	26.6	26.2	29.5	23.2	81	88	80	73	80	82	5.8
24	55.07	54.67	55.28	53.39	53.32	55.44	26.5	25.5	27.5	27.7	26.8	27	29.8	25	79	76	70	68	71	64	------
25	55.07	54.72	55.10	53.54	54.17	55.36	25.3	26	31.3	31.4	29.3	28.3	32.7	24.6	75	72	53	56	62	64	------
26	55.15	54.92	55.87	54.69	55.28	57.08	28	27	29.6	30.5	27.8	27.1	32	25.6	66	72	61	61	68	69	------
27	56.67	57.13	57.40	56.06	57.27	59.37	26.4	26.1	31	31.2	29.8	26.2	33.8	24.8	75	78	58	58	66	89	------
28	57.78	58.09	58.49	57.30	57.71	59.39	25	23.5	31.9	32	28.5	27.1	34.2	23	85	93	62	63	78	78	------
29	57.79	57.66	57.85	56.17	56.69	57.95	25	23.8	31.5	32.9	29	27	34.7	23	88	96	67	61	76	78	------
30	56.77	56.44	57.22	55.70	56.38	58.10	25.3	23.9	31.3	32.4	30	27.3	33.8	23.4	87	95	63	57	68	84	------
31	57.44	57.52	58.02	56.01	57.07	59.35	25.8	25	31.2	32.8	27.8	27	35	23.9	91	94	61	58	80	90	10.7
Mean	56.75	56.89	57.33	55.73	56.28	57.84	25.7	25.1	30.2	30.9	28.2	26.8	32.6	24.1	84.6	87.6	65.7	62.5	74.3	80.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	39.2

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	SW	1	SSW	1	SW	2	SW	1	SW	1	SSW	0	7	Ci. E	Cu. WSW	7	Ci. E	Cu WSW
2	Calm	----	Calm	----	SW	1	WSW	0	Calm	----	WSW	1	8	----------	cu.-N. WSW	8	Ci.	Cu. WSW
3	WSW	2	Calm	----	SE	1	SE	1	SE	0	Calm	----	5	Ci.-S. ESE	Cu. WSW	7	Ci. ESE	Cu. WSW
4	NW	0	Calm	----	E	1	W	0	W	0	WSW	1	5	Ci.-S. ESE	Cu.	10	----------	Cu.-N. W
5	WSW	0	Calm	----	ENE	1	ESE	1	Calm	----	NW	1	8	Ci.-S.	S.-Cu.	8	Ci. E	Cu. W
6	NW	1	Calm	----	ESE	1	NW	2	NW	1	WNW	1	4	Ci.-S.	S.-Cu.	3	----------	Cu. WNW
7	NW	1	NWbyW	1	NW	3	NW	3	NNW	2	NW	2	8	A.-Cu. E	S.-Cu.	8	Ci. E	Cu. WNW
8	NW	2	WNW	2	WNW	3	WNW	3	NW	1	WNW	1	8	----------	cu.-N. WNW	8	Ci. E	Cu. NW
9	NW	1	Calm	----	W	1	NW	2	W	1	WNW	1	5	Ci.-S. E	S.-Cu.	8	Ci.	Cu. W
10	WNW	1	Calm	----	E	1	NW	2	NW	1	Calm	----	5	Ci.-S.	Cu.	8	Ci.	Cu. W
11	Calm	----	SSW	0	S	1	WSW	1	WSW	1	W	1	8	Ci.-S.	cu.-N. WSW	4	----------	Cu. WSW
12	W	1	W	0	ESE	1	WNW	1	WNW	1	WNW	0	6	Ci.-S. ESE	S.-Cu.	8	Ci.-S. ESE	Cu. W
13	WNW	1	Calm	----	WNW	1	WNW	1	WbyN	1	WNW	2	7	Ci.-Cu. SE	S.-Cu.	8	Ci.-S. SE	Cu. WNW
14	W	1	Calm	----	W	2	WSW	3	WSW	1	W	1	8	Ci. SE	Fr.-S.	8	Ci. SE	Cu. WSW
15	W	1	W	0	ESE	1	SE	1	SE	1	Calm	----	5	Ci. ENE	S.-Cu.	7	Ci.	Cu. W
16	Calm	----	Calm	----	ESE	1	ESE	1	WNW	1	NW	0	7	Ci. ENE	S.-Cu.	8	Ci. ENE	Cu. W
17	NW	1	Calm	----	E	1	NW	1	E	1	NW	0	8	Ci., Ci.-Cu. ENE	S.-Cu.	8	Ci.	Cu. W
18	Calm	----	Calm	----	Calm	----	N	1	NW	1	NNW	2	10	----------	N. N	10	----------	N. NW
19	WNW	2	WNW	3	WNW	2	NW	2	NW	2	Calm	----	8	----------	Cu.-N. NW	8	Ci. E	cu. NWbyW
20	Calm	----	Calm	----	WNW	0	NWbyW	4	NW	2	NW	1	8	Ci.-S. SE	Cu. NW	8	Ci.-S. SE	Cu. NW
21	NW	1	NW	1	NW	1	NWbyW	2	NW	2	NW	2	8	----------	Cu.-N. NW	7	Ci.-S. SE	Cu. NW
22	WNW	2	NWbyW	2	NW	2	WNW	1	WNW	1	NW	2	9	Ci.	Cu.-N. NW	9	----------	Cu.-N. NW
23	NW	1	Calm	----	WNW	3	NWbyW	3	W	2	W	3	10	----------	N. NWbyW	10	----------	Cu.-N. NW
24	W	4	W	2	WNW	3	WNW	4	WNW	2	W	1	9	----------	Fr.-N. WNW	9	Ci.	cu.N. WNW
25	W	1	WSW	2	SW	4	SW	3	SW	1	SSW	1	8	Ci.-S. E	Cu. WSW	8	Ci. E	Cu. WSW
26	SSW	1	S	1	S	1	SSW	2	SSW	1	SW	1	8	----------	Cu.-N. swbyW	9	----------	cu.-N. WSW
27	S	1	S	1	SW	1	SW	1	SW	1	Calm	----	8	Ci.-S.	Cu. SW	7	Ci.-S. E	Cu. SW
28	W	1	Calm	----	ESE	1	SEbyE	1	Calm	----	Calm	----	5	Ci.-S. NNE	S.-Cu.	8	Ci.	Cu. SW
29	Calm	----	Calm	----	ESE	1	SbyW	1	WNW	2	WNW	1	2	Ci.	S.-Cu.	7	Ci.	Fr.-cu. swbyw
30	Calm	----	Calm	----	ENE	1	WNW	2	WNW	1	WNW	1	7	Ci. NE	S.-Cu.	7	Ci. NE	cu. swbyw
31	NW	0	NE	1	W	1	WNW	1	SW	1	W	0	8	Ci., Ci.-S. E	S.-Cu.	7	Ci. E	Cu. W
Mean	------	0.9	------	0.5	------	1.4	------	1.7	------	1.1	------	0.9	7.1	----------	----------	7.7	----------	----------

TACLOBAN.

[ϕ=11° 15′ N; λ=125° 00′ E; barometer above sea, 3.4 meters; gravity correction not applied, —1.82 mm.]

SEPTEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.30	58.90	59.26	57.17	57.41	59.56	25.4	24	31.1	32.6	29	27.4	33.7	23.2	88	95	69	63	79	87	------
2	59.20	59.41	59.09	56.87	57.27	59.46	25.2	24.6	31.4	33	29.7	27	34	24.2	94	95	72	64	73	81	------
3	58.20	58.51	58.36	56.74	57.35	59.56	26	24.6	31.7	31	29	26.8	34.4	23.5	87	95	70	69	78	88	------
4	58.14	58.37	59.16	57.19	58.02	59.18	25.6	25.3	31	33	29.8	26.8	34.3	24.3	95	96	67	59	68	86	------
5	58.37	58.40	59.30	57.07	57.55	58.96	25.4	26	32	29.3	28.5	26.2	34.4	24.2	92	90	69	73	81	94	8.8
6	58.27	58.29	59.29	57.71	58.05	59.69	26.2	26	29.8	28.3	24.3	24.5	31.4	23.9	90	91	79	75	96	97	27.4
7	58.59	58.71	59.67	57.12	58.10	59.17	24.5	24.2	27.4	29.4	26.3	25.4	32.5	23.3	94	97	84	73	86	93	------
8	58.29	58.34	58.42	56.52	56.75	58.64	25	24.4	30.8	31.4	28.3	26.1	33.4	24	93	97	68	66	79	90	------
9	57.67	57.59	58.37	56.09	57.28	58.74	25.1	24.3	31	31.4	26.1	25.5	32.6	24	92	96	63	69	91	93	3
10	58.10	58.09	59	57.19	58.80	59.38	25	24.7	31	31.6	25	24.9	34.2	23.2	94	96	69	70	94	95	21.1
11	58.71	58.85	59.62	57.56	58.65	60.02	23.9	23.8	30	30.9	26.5	25.8	33	23.2	96	97	75	68	91	92	1.8
12	58.54	59.10	59.16	57.39	58.04	59.10	25.3	25	30.7	27	27	25.6	33.8	24.2	94	96	71	83	83	94	1.5
13	57.67	58.15	58.47	55.84	57.18	57.99	25.3	25	28.6	31.4	25.5	25.5	32.7	24.3	96	97	83	66	90	90	------
14	56.70	56.83	57.16	55.53	55.67	57.01	25.1	24.9	29.8	30.5	29	26.8	33	23.2	94	95	71	70	76	86	------
15	55.40	56.44	56.57	54.59	55.84	56.73	26	25.9	29.5	31.2	28	26.5	32	25.3	89	89	75	68	81	87	3.8
16	55.32	55.89	56.50	55.23	56.04	57.63	25.2	25	30.3	29.4	26.4	26.1	32	24	93	96	71	81	86	85	13
17	56.60	57.40	57.63	55.63	56.30	57.81	26.4	26.3	31.3	32.8	28.6	26.5	33	24.4	81	82	64	59	77	86	------
18	56.88	57.15	58.14	56.12	56.52	58.54	27	25.2	30.1	31.3	27.2	26	32.2	24.7	83	88	74	66	87	92	------
19	56.75	57.44	58.50	56.22	57.20	58.62	25	24.8	29	31.5	28.3	27	33	24	96	97	76	72	82	88	------
20	57.77	58.95	59.79	57.66	58.05	59.45	26	25.3	30	29.8	28	26.4	31.9	24.6	92	96	76	73	82	91	1.3
21	58.55	58.75	58.97	56.66	56.99	58.30	26	25.4	28	25.5	26.6	25.2	30.9	24.6	93	97	88	93	92	90	18.5
22	56.39	56.84	57.47	55.35	56.75	58.68	24.5	24.8	27.6	28.3	26	24	30.9	23.1	91	90	83	77	89	97	20.8
23	57.25	57.60	58.22	55.92	57.30	58.98	24	24.2	29.4	29.7	27.7	24.6	32	23.1	97	97	78	67	77	95	17.8
24	57.89	58.34	58.75	56.77	56.95	58.24	24.6	24.4	28.7	30.3	27.5	26	31.5	23	95	97	80	71	84	90	.8
25	57.07	57.43	57.39	55.35	55.61	56.06	25.2	25.2	27.5	30.1	27	27	31.6	24	95	95	79	67	83	83	3.8
26	54.71	54.84	55.51	53.02	53.88	54.88	27	26.8	31.4	31.8	28.5	28	33.5	26.2	80	81	62	62	74	75	------
27	54.08	55.19	55.88	53.83	55.34	56.87	27.2	26.2	31.2	32.6	29	27.6	33	25.8	75	79	66	57	73	74	------
28	56.12	56.76	57.71	55.83	56.90	58.36	27	26.4	31.4	31.5	29	26.3	33.6	25.5	77	81	62	64	71	84	------
29	57.80	58.62	59.17	57	58.20	59.27	24.9	25.4	30	30.3	28.6	26	32.5	24	92	92	71	72	79	91	------
30	58.27	58.89	59.59	57.60	58.61	59.55	25.8	24.5	31	28.4	28.6	25.2	32.7	23	91	96	72	73	77	94	------
Mean	57.39	57.80	58.34	56.29	57.09	58.48	25.5	25.1	30.1	30.5	27.6	26.1	32.8	24.1	90.6	92.9	72.9	69.7	82	88.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	138.4

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	Calm	----	Calm	----	ESE	1	SE	1	SE	1	W	0	4	Ci. ESE	S.-Cu.	7	Ci.	Fr.-Cu. WSW
2	Calm	----	Calm	----	EbyS	1	SSE	1	SSE	1	WNW	0	8	Ci.-S. SE	S.-Cu.	8	Ci.-S. SE	Cu. SW
3	W	1	WNW	0	E	1	SE	0	WNW	1	WNW	0	2	Ci.	S.-Cu.	8	----------	cu., cu.-N. WNW
4	Calm	----	WNW	0	WNW	2	WNW	2	N	2	N	1	5	Ci.-S. ESE	S.-Cu.	7	Ci.-S. E	Cu. W
5	N	1	NNW	0	E	1	W	1	WNW	1	NW	1	8	A.-Cu. NW	S.-Cu.	9	----------	Cu.-N. NW
6	WNW	1	WNW	1	SE	1	SSW	2	WNW	0	WNW	0	8	Ci.-S.	Cu.-N. NW	9	----------	N., Cu.-NNW
7	NW	1	NW	1	NNW	0	E	2	N	0	NNW	0	7	Ci.-S.	Cu.-N. N	9	----------	cu.-N. NW
8	NW	1	NW	1	ENE	0	E	1	S	1	Calm	----	4	Ci. E	Cu.	8	Ci.-S. S	Cu. NE
9	Calm	----	WNW	0	E	0	S	2	Calm	----	Calm	----	2	----------	Cu.	3	----------	Cu. E
10	NNW	0	WNW	0	ESE	0	S	2	NW	1	Calm	----	2	----------	S.-Cu.	3	----------	Cu. E
11	Calm	----	Calm	----	ESE	0	ESE	0	S	0	Calm	----	7	Ci. W	S.-Cu.	7	Ci.-S. W	Cu.-N. E
12	Calm	----	Calm	----	E	1	NE	1	ENE	0	Calm	----	3	Ci.-S. W	Cu.	8	----------	N. NE
13	NNW	0	WNW	0	W	1	NNW	1	SW	0	Calm	----	7	Ci. W	Cu.	8	Ci. SW	Cu. NE
14	NW	0	NW	0	NW	2	WNW	1	NbyW	1	N	1	7	Ci. SW	S.-Cu.	8	Ci. SW	cu. NNW
15	NW	1	WNW	1	WNW	2	NW	3	WNW	1	W	0	9	----------	Cu.-N. NWbyW	8	Ci.	cu.-N. NW
16	Calm	----	Calm	----	SW	2	SSW	1	SW	1	SW	1	8	----------	cu.-N. WSW	9	----------	N. SWbyW
17	SSW	1	SSW	0	SW	2	SSW	1	SW	1	SSW	1	8	Ci.-S.	Cu. SW	7	Ci. E	Cu. SW
18	SSW	0	Calm	----	SSE	1	WSW	1	SW	0	Calm	----	8	----------	Cu.-N. SW	8	Ci.	cu.-N. SW
19	Calm	----	Calm	----	SE	1	E	1	Calm	----	WNW	1	8	Ci.-Cu.	cu.-N. WSW	8	Ci.-Cu. E	Cu. SW
20	Calm	----	SSE	0	ESE	1	S	0	SSE	1	Calm	----	8	Ci.-S. E	S.-Cu.	9	Ci. E	Cu.-N.
21	SE	0	Calm	----	N	0	SW	2	NE	0	NNW	2	8	----------	Cu.-N. N	9	----------	N. NW
22	W	2	NW	0	NW	2	SbyE	2	NE	2	NE	1	10	----------	cu.-N. NW	8	----------	Cu.-N. NNW
23	NW	0	NW	1	NNE	0	N	1	NNW	1	Calm	----	9	----------	cu.-N. NNW	6	Ci. E	Cu. NW
24	N	1	N	0	W	0	NNW	2	N	1	NNW	0	8	Ci.-S.	Cu.-N. NE	7	Ci.-S. E	Cu. N
25	N	0	N	0	NNW	1	NNW	2	WNW	2	WNW	2	5	----------	Cu. N	7	Ci. E	Cu. NW
26	W	2	WbyS	0	W	2	WSW	1	SW	1	SW	1	10	----------	cu.-N. WNW	8	Ci. NE	Cu. W
27	SSW	1	S	1	S	3	SW	2	SSW	0	S	1	8	Ci.-S. NE	N.-cf.	8	Ci.	Cu. SW
28	S	1	SSE	0	S	2	S	2	S	1	Calm	----	8	Ci.	Cu. SW	8	Ci. NE	Cu. SW
29	WNW	0	WNW	0	EbyS	0	ESE	1	SSW	0	Calm	----	8	Ci.	Cu.-N. SW	8	Ci.	Cu. W
30	Calm	----	Calm	----	SSE	1	W	1	W	0	Calm	----	7	Ci. NE	S.-Cu.	8	----------	Cu.-N. WNW
Mean	------	0.5	------	0.2	------	1	------	1.3	------	0.7	------	0.4	6.8	----------	----------	7.6	----------	----------

TACLOBAN.

[$\phi = 11° 15'$ N; $\lambda = 125° 00'$ E; barometer above sea, 3.4 meters; gravity correction not applied, —1.82 mm.]

OCTOBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.67	59.26	59.83	57.51	58.12	60.30	25	24.6	31.5	28.8	27.2	26	33.4	23.5	94	97	69	80	89	94	------
2	59.35	60.11	60.69	58.81	59.35	61.43	25.2	25	31.5	26.5	28	26.4	34.2	23.8	90	90	65	86	82	94	1.5
3	59.98	60.42	60.85	58.41	58.94	60.25	25.2	25.4	30.9	29.9	26.3	26	33.4	24.6	93	92	69	76	88	92	------
4	58.89	59.48	59.97	57.39	58.50	60.12	25.1	24.8	31	31.4	27.5	26.2	33.7	24.3	96	96	65	72	87	90	------
5	58.90	59.24	59.67	57.67	59.11	60.11	25.2	24.8	30.4	29.5	27	24.2	32.6	23.8	96	97	70	77	84	97	11.4
6	58.79	59.34	60	57.83	58.86	60.22	24.2	24.3	30.4	32.2	27.4	25.2	33.4	22.6	96	97	70	62	81	95	2.3
7	59.31	59.92	60.71	58.70	59.37	60.40	24.7	24.6	30.8	31.3	27.8	26.3	33.2	23.5	96	97	67	68	80	88	------
8	59.72	60.27	60.65	58.64	59.39	61.20	25.4	25.1	28.5	31.8	28.2	26.5	32.4	24.6	93	94	75	67	83	92	.8
9	60.31	60.76	60.97	58.30	58.75	60.11	25.9	25.1	30	31	27.7	26.5	31.8	24.5	93	94	69	69	84	90	------
10	58.90	59.70	60.70	58.07	58.83	59.65	25.5	25.5	25.4	29.2	26.1	25.5	30.4	24.6	95	95	92	78	95	96	12.5
11	58.49	58.84	59.47	57.77	58.59	59.41	25	24.7	29.3	26.4	25.6	25.8	31.5	24.2	95	96	74	89	91	89	15.7
12	58.17	58.84	59.19	56.48	57.92	59.07	25.2	25.2	29.9	31.7	26.3	26.1	33	24	96	96	72	68	90	92	------
13	58.18	58.69	59.29	56.77	58.33	59.40	25.6	24.4	29.3	28.8	26.8	25.7	33	24.2	92	97	79	80	86	93	------
14	58.40	58.90	59.75	57.68	59.11	59.76	25.1	25.3	28.4	31.6	27.3	25.4	32.4	24	96	94	77	59	82	93	2
15	58.58	59.49	59.95	57.52	58.50	60.12	25.1	24.5	29.5	32.4	28.3	26.8	33.3	23.8	96	96	70	55	74	83	------
16	58.95	59.83	60.14	57.75	58.92	59.83	25.4	24.8	30	27.8	26.6	25.8	34.3	24.4	90	93	71	80	87	92	2.5
17	59.32	60.13	60.40	57.79	59.50	60.28	25.2	24.9	29.8	32.7	25.4	25.2	33.1	24.3	95	96	73	60	93	95	27.9
18	59.31	60.32	61.31	59.81	60.17	60.61	25	24.2	24.6	24.2	24.1	24.2	25.7	23.4	96	97	95	93	94	93	47.3
19	59.16	59.54	60.09	58.04	58.93	60.25	24.2	24.7	25.3	26.5	26.3	25.5	27	23.2	97	94	93	88	86	89	10.9
20	59.09	59.47	59.21	57.21	58.11	60.05	25.1	25.1	28	29	27	25.6	29.6	24.7	91	90	77	78	80	87	10.7
21	59.17	60.19	60.90	58.73	59.65	61.08	25.2	24.4	28.6	30.8	27.3	26	31.6	24	87	91	72	62	84	88	------
22	59.75	61.02	61.81	60.21	60.62	62.41	25.2	25	29.3	27.5	26.1	25.1	30.5	24.4	90	92	69	79	86	91	------
23	60.68	61.58	61.89	59.51	60.44	62.06	24.6	24.9	29.4	31.4	28	26	32.3	24	92	91	70	55	77	84	8.1
24	61.01	61.58	62.31	59.73	60.43	62	24.5	24	28.4	31	27	25.8	32.8	23.2	92	93	75	71	77	85	------
25	61.11	61.78	62.30	59.68	60.60	61.86	25	24.1	29	31.8	26.7	26	32.9	23.4	89	94	74	56	80	82	1.3
26	60.79	61.54	61.97	60.32	60.58	62.21	24.1	23.8	29.1	26	26.2	25.8	32.6	22.6	89	87	71	90	86	87	3.1
27	61.28	61.87	62.05	59.87	60.70	62.33	25	24.4	28.5	29.5	26.6	25.6	31.3	23.9	90	93	69	65	80	88	1
28	61.32	62.24	62.82	60.36	61.20	62.62	24.1	23.4	29.1	31.6	27.5	26.5	33.4	22.5	92	95	69	55	82	76	------
29	61.52	61.88	62.25	60.48	61.01	61.63	24.4	24.2	28.5	27	26.6	25.6	32	23.5	91	93	75	84	87	93	6.9
30	60.51	61.44	61.90	59.67	60.35	61.47	24.8	24.8	29	29	26.5	26	32	24.2	97	97	78	81	89	91	5.3
31	60.03	60.53	60.62	58.42	59.68	60.43	25.6	25	29	28.8	26.1	25.3	30.5	24.4	87	91	80	80	91	91	13.2
Mean	59.60	60.26	60.76	58.55	59.44	60.73	25	24.7	29.1	29.6	26.8	25.8	32	23.9	93	94	74	73	85	90	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	184.4

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	WNW	0	Calm	----	SE	1	SE	1	SE	0	WbyN	0	7	Ci.-S.	NE S.-Cu.	8	----------		Cu.-N. S
2	Calm	----	WNW	0	E	1	NbyW	1	NW	1	WNW	1	2	----------	S.-Cu.	8	----------		N. NE
3	NNW	1	N	1	SSE	1	N	1	W	1	W	1	9	----------	N. NE	8	Ci.-S.		Cu.-N.NE
4	WNW	0	NW	0	E	1	SE	1	SE	1	N	1	3	Ci.-S.	S.-Cu.	8	----------		Cu. ENE
5	WNW	1	WNW	1	E	0	WNW	2	ENE	0	NNW	1	6	Ci.-S. W	S.-Cu.	8	----------		Cu.-N.NE
6	NW	0	NW	1	E	1	SbyE	2	NE	2	NW	1	4	Ci.	S.-Cu.	4	----------		Cu. ENE
7	NW	0	NW	1	E	1	SE	2	SSE	1	Calm	----	2	----------	Cu.	3	----------		Fr.-Cu. ENE
8	NNW	0	WNW	1	NW	0	E	1	NE	1	W	1	7	----------	Cu.-N. ENE	3	----------		Cu. E
9	N	1	N	0	N	2	NNW	1	N	1	NNW	1	8	----------	cu.-N. ENE	8	Ci.-Cu.		Cu. ENE
10	NNW	0	NW	1	N	0	NNW	1	NW	1	NW	1	9	----------	Cu.N. NNE	10	----------		cu.-N.NNE
11	WNW	1	WNW	1	NNE	1	SE	2	SE	1	NNW	1	8	Ci.-S. SW	Cu. NE	10	----------		N. NE
12	NW	1	WNW	1	WNW	1	SSE	1	Calm	----	W	0	8	Ci. SW	S.-Cu.	7	Ci. SW		Cu. NNE
13	W	0	WNW	0	W	0	ENE	2	WNW	1	NW	1	8	ci.-s.,ci.sw	S.-Cu.	8	----------		Cu.-N.NE
14	NW	1	NNW	1	NNW	1	NW	1	E	1	Calm	----	7	----------	N. NE	8	Ci.-Cu. SW		Cu. NNE
15	NNW	0	WNW	0	W	1	NNW	0	NW	1	NW	0	7	Ci.	S.-Cu.	7	Ci. S		Cu. NE
16	NNW	0	WNW	0	WNW	0	Calm	----	W	1	WNW	1	7	Ci. SSW	S.-Cu.	9	----------		Cu.-N.NE
17	WNW	0	WNW	1	NW	1	SE	1	Calm	----	NNW	0	3	Ci.	S.-Cu.	7	Ci.		Cu. NE
18	N	1	N	1	N	1	NbyE	1	N	1	NNW	1	10	----------	N. NE	10	----------		N. NE
19	NNW	1	NNW	1	NNE	1	NNW	2	NNE	1	NW	1	7	----------	Cu.-N. NEbyE	8	----------		cu.-N.ENE
20	N	3	N	1	N	3	NNW	2	NNW	1	N	2	8	----------	Cu.-N. NE	8	Ci.		Cu.-N.NE
21	N	2	Calm	----	NNW	1	NW	1	N	0	N	0	8	Ci. SSW	Cu.	8	Ci. SSW		Cu. NE
22	N	0	Calm	----	NNW	1	NNE	1	NNE	1	NNW	0	8	Ci.	Cu.-N. NE	8	----------		cu.-N. NEbyN
23	Calm	----	Calm	----	WNW	1	N	2	ESE	1	NW	1	8	Ci.-Cu.	Cu.-N. NE	4	Ci.-S. SSW		Cu. NE
24	N	1	N	1	NW	0	S	1	Calm	----	Calm	----	4	Ci.	S.-Cu.	5	Ci. SSW		Cu. NE
25	NW	1	NW	0	NNW	1	WNW	0	NW	1	N	0	5	Ci.	S.-Cu.	3	----------		Fr.-Cu. NNE
26	N	0	N	1	NNW	1	ENE	1	N	1	N	1	6	Ci. SSW	Cu.	10	----------		N. NE
27	N	1	N	1	N	1	NNW	1	NE	1	WNW	1	2	----------	Cu.	6	Ci.-S. SSW		Cu. NNE
28	WNW	1	WNW	0	N	1	NE	1	NE	0	NE	0	2	----------	S.-Cu.	3	----------		Fr.-Cu.
29	N	1	NNW	1	W	0	NNW	1	NW	1	NNW	1	7	----------	Cu. ENE	9	----------		Cu.-N.NEbyE
30	NNW	1	NW	1	WNW	1	W	1	NNW	1	WNW	1	8	----------	N. ENE	5	----------		Cu. ENE
31	WNW	1	W	1	NNW	1	NNE	2	NNE	1	N	1	7	Ci.-S. W	Cu. ENE	10	----------		N. ENE
Mean	------	0.6	------	0.6	------	0.9	------	1.2	------	0.8	------	0.7	6.3	----------	----------	7.1	----------		----------

TACLOBAN.

[$\phi = 11°\ 15'$ N; $\lambda = 125°\ 00'$ E; barometer above sea, 3.4 meters; gravity correction not applied, −1.12 mm.]

NOVEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.48	60.07	60.20	57.60	59.14	60.41	25	24.8	29.7	27.2	26.1	25	30.4	24.2	92	93	77	85	90	95	10.5
2	59.29	59.83	60.56	57.89	59.10	60.31	24.6	24.6	28.6	30	27.4	26.2	30.8	24	91	90	73	68	78	84	------
3	59.34	59.84	60.77	57.95	59.25	60.35	25.1	24.9	26.8	30	26.9	25.5	30.7	24	90	91	86	67	81	88	3
4	59.33	59.57	59.63	57.36	57.74	58.75	24.2	24.8	28.1	29	26.8	25	30.2	23.9	91	87	60	67	72	80	------
5	57.28	57.63	58.01	55.82	56.33	57.10	25.2	24.8	28	28.3	25.9	26	29.6	23.6	77	80	68	63	72	80	------
6	55.89	56.31	57.23	55.45	55.94	57.48	24.4	24.2	27.5	28.4	26.8	25.2	30.5	23.5	86	86	73	68	67	78	------
7	56.33	57.23	58.22	56.61	58.82	60.05	26	24.8	28	28.4	25.5	25.7	29.5	24	80	84	68	70	88	86	.8
8	59.61	60.74	61.73	60	60.72	62.39	25	25.3	28	29	26.4	24.9	30.2	23.3	87	84	73	71	85	83	------
9	62.42	62.83	63.31	61.08	62.41	63.52	24.2	23.6	28.6	31.3	25.3	25	32.6	23	86	91	71	62	85	84	------
10	62.67	63.07	63.39	61.17	62.01	62.89	24.7	24.8	29.1	29.5	25.6	25	31.1	23.3	83	82	68	63	81	80	3.8
11	62.12	62.73	62.95	60.82	61.62	62.83	23.4	22.9	28.7	30.5	25.9	24	31.4	22.3	85	85	59	55	69	82	------
12	61.34	62.07	62.25	60.16	61.22	62.06	22.3	21.6	29.2	30.3	27	25.5	31.5	20.9	92	95	63	62	73	81	------
13	61.31	61.71	61.68	59.56	60.15	61.02	24	23.8	27.5	28.7	25.7	25.3	31	23.2	93	95	84	78	88	89	17.2
14	59.81	60.61	61.23	59.08	60.03	60.91	24.8	24.9	26.8	27.5	26	26	28.7	24	91	92	80	81	84	84	11.3
15	59.51	60.06	60.67	58.47	59.43	60.95	24.5	24.9	28	27.4	26.4	25.3	30.7	23.7	95	92	73	84	86	93	8.6
16	58.93	59.83	60.01	58.10	59.20	60.19	24.7	24.8	28.4	30	26.8	25.1	30.8	23.2	94	95	78	71	81	92	8.3
17	59.30	59.93	60.57	58.22	59.15	60.04	24.4	24.4	25	28.3	25	24.4	28.8	23.4	97	97	94	77	90	95	20.5
18	58.88	59.41	60.46	58.58	59.42	60.57	24.5	24.5	27	27	24.8	24.6	31.4	23.8	96	96	86	86	89	92	8.1
19	59.43	59.88	60.47	58.41	59.25	59.96	24.2	24	28.9	26.3	26.1	25.3	30.4	23.4	95	97	78	90	89	89	4.6
20	58.64	59.05	59.47	57.10	58.02	59.52	24.2	24.2	27.5	28.3	26.6	25.3	31.1	23.6	97	97	86	84	81	89	3.8
21	58.09	58.49	58.90	56.61	57.43	58.85	24.3	23.9	27.8	28.6	26.5	25.8	30.9	23.2	93	97	82	82	81	86	4.5
22	57.63	58.59	58.93	56.70	57.28	58.63	24.8	24.4	29.4	29.4	26.8	26.2	30.5	23.9	94	97	75	72	81	85	10.7
23	57.60	58.39	59.14	57.19	57.91	59.23	25	24.8	30	29.8	27.5	25	31.6	24	94	96	68	73	84	92	------
24	57.97	58.66	59.74	57.79	58.72	60.45	24.5	24	29.3	29.6	27.1	25.2	31.7	23.5	96	97	76	74	83	94	7.6
25	59.21	59.87	60.83	58.66	59.65	61	24.5	24.3	28	28.9	26.6	25.3	31	23.8	97	97	85	74	84	92	11.7
26	59.91	60.99	61.39	59.41	59.91	61.37	24.8	24.4	29.8	26.8	26.5	25.2	30.5	23.4	92	93	70	82	80	89	3.1
27	60.06	60.81	61.46	59.09	60.52	60.78	24.8	24.2	28.4	30.1	27	26.2	32.1	23.6	91	95	77	63	78	82	1.8
28	59.99	60.77	61.25	59.25	60.32	61.85	25	24.2	29	30	25.9	25.3	33.5	23.8	91	97	78	75	92	93	5.6
29	60.71	60.92	61.42	58.99	59.63	61	24.7	24.6	27.8	30.6	27	25.5	31.1	24.2	97	97	82	68	84	89	6.4
30	59.83	60.07	61.08	59.02	59.90	60.78	25	24.8	25.8	27.8	26.3	25	29.3	23.2	91	92	90	82	82	89	4.8
Mean	59.40	60	60.56	58.40	59.34	60.51	24.6	24.3	28.2	28.9	26.3	25.3	30.8	23.5	91.1	92.2	76	73.2	81.9	87.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	156.7

Day.	Wind.										Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Force and direction. Upper.	Force and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	N	1	N	1	WNW	1	NNE	1	N	1	NW	1	7	Ci. W	Cu. NE	8	----------	N. NE
2	NNW	1	N	2	N	3	N	3	NW	1	NNW	1	8	Ci. W	Cu.	3	Ci. W	Cu. NE
3	N	1	N	2	WNW	1	NbyW	1	N	1	N	1	10	----------	Cu.-N. NE	7	Ci. WSW	Cu. NNE
4	NbyE	1	NbyE	1	NbyE	3	NNW	2	NNW	2	N	2	8	ci., ci.-s. W	Cu. NE	7	Ci. NW	Cu. NE
5	N	2	N	1	NNW	3	NNW	3	WNW	2	NW	2	7	Ci. WSW	Cu. N	8	Ci. SW	Cu. NNW
6	WNW	3	WNW	2	WNW	3	WNW	4	WbyN	2	WbyN	3	8	Ci. SSW	S.-Cu.	8	Ci. SSW	Cu. NW
7	WNW	3	WNW	2	WNW	3	WNW	2	W	3	WNW	1	9	Ci.	Cu.-N. NW	9	----------	Cu.-N.WNW
8	WNW	1	NW	1	NW	2	NNW	1	NW	1	NW	1	9	----------	Cu.-N. W	8	Ci.	Cu. SW
9	WNW	0	WNW	0	NW	1	SSE	2	E	2	NW	2	2	Ci.	S.-Cu.	3	----------	Fr.-Cu. NNE
10	NNW	2	NNW	1	N	0	NNE	1	E	1	N	1	5	----------	Fr.-Cu.NNE	8	----------	Cu. NNE
11	NNW	1	WNW	1	ENE	1	ESE	1	ENE	1	NW	1	1	----------	S.-Cu.	7	----------	Fr.-Cu. NNE
12	NW	1	NW	1	SSE	0	SE	1	E	1	N	0	2	----------	S.-Cu.	2	----------	Cu. ENE
13	NW	1	NNW	1	ENE	1	ENE	1	ENE	1	NE	1	2	----------	Cu.	8	----------	Cu.-N.ENE
14	N	1	NE	0	NE	1	NE	2	NW	0	NW	1	9	----------	N. ENE	9	----------	N.
15	NNW	1	N	1	E	1	NE	1	NE	1	ENE	1	8	----------	N. ENE	10	----------	N. ENE
16	NE	1	NE	1	ENE	1	E	2	N	1	N	1	4	----------	Cu. ENE	8	----------	Cu. ENE
17	WNW	1	Calm	----	NNW	0	NNE	2	N	0	NNE	1	10	----------	N. ENE	9	----------	Cu.-N. NE
18	NWbyW	1	NWbyW	1	WNW	1	E	1	NNE	1	NW	1	8	Ci.-S.	Cu.-N. ENE	8	----------	Cu.-N. NE
19	NNW	2	WNW	1	NbyW	1	Calm	----	N	0	NW	1	9	----------	N. NE	9	----------	Cu.-N. NE
20	WNW	1	WNW	1	WNW	1	E	0	E	1	WNW	1	2	----------	Cu.	8	----------	Cu.-N. NEbyE
21	WNW	1	NW	1	NNE	0	E	1	ESE	0	NW	1	2	----------	Cu.	7	----------	Cu.-N ENE
22	NW	1	NW	1	N	0	SE	1	NE	1	NW	1	8	----------	Cu.-N. NE	5	----------	Cu. NE
23	NNW	1	NW	1	E	0	SE	1	SE	1	Calm	----	6	----------	Cu. NE	4	----------	Cu. NE
24	WNW	1	NW	1	WNW	0	SSE	1	N	2	N	1	2	----------	Cu.	5	----------	Cu. NE
25	WNW	1	WNW	1	N	2	N	1	N	0	NNW	1	2	----------	Cu.	7	ci.-cu. SW	Cu. NE
26	N	1	N	1	NNE	1	ENE	1	ENE	1	NE	1	10	----------	N. ENE	7	----------	Cu.-N.ENE
27	N	1	NW	1	NNW	1	NE	2	ENE	1	N	1	7	Ci. SW	Cu. ENE	8	----------	Cu. NE
28	WNW	1	WNW	1	WNW	1	W	1	NW	1	WNW	1	8	Ci.-S. SW	Cu. ENE	8	----------	Cu. ENE
29	NW	1	WNW	1	NNW	1	ENE	1	E	1	ENE	1	8	Ci.-S. SW	Cu. ENE	4	----------	Fr.-Cu.NE
30	NW	2	NNW	1	NNE	0	S	1	E	1	Caim	----	9	----------	Cu.-N. ENE	6	----------	Cu. ENE
Mean	------	1.2	------	1	------	1.1	------	1.4	------	1.1	------	1.1	6.3	----------	----------	6.9	----------	----------

TACLOBAN.

[$\phi = 11°\ 15'$ N; $\lambda = 125°\ 00'$ E; barometer above sea, 3.4 meters; gravity correction not applied, −1.82 mm.]

DECEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.86	60.27	60.97	59.05	59.68	60.57	22.8	23.1	29.5	30.6	25.6	24.8	32.2	22.2	96	94	70	64	89	93	5.8
2	59.05	59.66	60.18	58.08	58.99	59.86	23.9	23.9	29	27.8	27	25	32.4	23.2	96	96	76	79	81	92	7.9
3	59.12	59.96	60.89	58.56	59.05	59.77	24.8	24.3	24.5	25.4	25.1	24.7	26.7	23.8	92	96	92	89	93	94	23.6
4	59.11	59.42	60.53	57.62	58.48	59.50	24.9	24.5	27.1	29.9	26.2	25.4	30.4	24	92	94	83	73	89	90	6.6
5	58.86	59.05	59.90	58.19	58.87	59.52	24.5	24	27.8	25.3	25.5	24.6	28.9	23.8	93	97	79	88	88	93	6.4
6	58.35	58.39	58.02	56	56.71	57.42	24.8	24.8	27.7	29.6	27	25	30.3	24	87	87	77	66	73	85	------
7	55.87	56.55	57.37	55.75	56.65	57.59	25.8	24.9	26	27.5	26	25.3	28.2	22.8	81	84	80	76	79	80	------
8	57.32	57.81	58.90	57.47	58.02	59.04	23.3	22.2	28.6	29.8	26.5	25.8	30.6	21.6	88	95	71	66	84	87	1
9	58.31	58.55	58.37	57.07	58.21	59.17	24.1	24.5	29.3	28.7	26.5	25	30.8	23.5	97	96	76	76	80	88	------
10	57.91	58.61	58.45	56.53	56.92	58.24	24	24	29.6	30.1	26.4	25.8	31.4	22.7	95	97	72	69	89	89	.5
11	57.70	58.48	59.08	56.90	58.27	59.21	25.2	24.4	28.3	30	26.4	24.6	31.3	23.9	90	95	82	71	86	93	5.6
12	58.34	59.56	60.52	58.79	59.85	60.51	24.3	23.7	29.6	31.3	26.4	25.5	31.8	23.3	93	97	69	61	79	83	2
13	59.79	60.36	60.70	58.69	59.73	60.93	24	23.5	27.3	27.5	25	25	29	23	91	92	78	79	85	86	4.3
14	59.78	59.99	60.47	58.41	59.43	60.67	24.2	23.8	27.8	27.6	25.8	25.2	30.1	23.1	91	95	76	83	88	90	15.1
15	59.67	60.27	60.83	59.09	59.81	60.99	25	24.5	27.5	27.5	26.4	25.2	30.9	23.2	89	92	80	81	81	90	.8
16	59.59	60.82	61.35	59.71	60.80	62.16	24.5	24.7	30.8	31.3	26.6	26	32	23.5	94	92	69	64	73	78	.5
17	60.98	61.67	61.69	60.11	61.25	62.61	25.1	24.8	30	31.6	26	25.3	32	23.6	86	88	67	56	82	86	1.5
18	61.81	62.33	63.02	61.42	62.15	62.73	25.1	25	29	28	25.3	24.8	32.8	22.8	85	86	69	71	81	85	2
19	61.89	62.03	62.42	60.10	60.52	61.55	23.3	23	27.7	30.1	27	25.4	30.8	21	93	95	73	66	77	82	1.8
20	60.38	61.56	62.47	60.81	62.18	63.23	24.8	23.6	30.2	31.9	26.5	25.2	32.4	23	84	93	60	54	73	82	------
21	62.17	62.78	63.52	61.78	62.88	63.46	24.3	23.6	29.7	32	26.5	24.9	32.8	23	87	91	64	54	74	85	.5
22	62.48	63.04	63.17	60.79	62.16	62.33	24.1	24	30	31	26	24.5	32.4	23	91	91	64	61	77	90	10.9
23	61.51	62.24	63.27	61.14	62.16	63.07	24.2	24	29.4	29	25.6	25	31	23.4	91	91	64	59	80	83	3.8
24	61.99	62.82	63.19	61.92	61.92	62.03	23.6	23	29	25.5	25.3	24.8	31.3	22.4	88	91	58	83	80	80	.5
25	60.81	61.44	61.45	60.11	60.83	61.52	24	23.8	29	28.4	26	25.4	30.5	23	85	86	71	69	76	78	------
26	60.67	61.24	61.41	59.32	60.42	60.90	24.7	23.6	29.4	27.1	26.3	25.3	31.3	23.2	81	90	64	71	74	81	------
27	60.07	60.81	61.50	59.15	60.22	61.12	24.4	24.4	28.2	30.7	25.7	24.8	31	23.3	85	84	64	55	77	87	5.3
28	60.06	60.79	61.09	58.84	60.12	60.89	24	23.5	29.3	30.8	26.3	25	32.3	22.8	86	87	62	57	73	88	.5
29	59.54	60.22	61.58	59.39	59.94	60.44	24.3	24.3	23.8	24	23.6	24	26.3	22.8	92	91	93	90	90	91	22.2
30	59.18	59.91	60.42	58.56	60.03	60.99	23.9	23.4	29.5	25.6	24.3	24.3	30	22.8	91	95	72	84	94	93	3.8
31	59.35	60.16	60.41	57.85	58.98	60.47	24.3	24	27	28.5	25.6	25.2	30.3	23.2	92	93	74	67	83	82	7.9
Mean	59.73	60.35	60.88	58.94	59.85	60.73	24.3	24	28.4	28.8	25.9	25.1	30.8	23.1	89.7	92	72.5	70.4	81.5	86.6	------
Total	-------	-------	-------	-------	-------	-------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	140.8

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	ENE	1	NW	0	ENE	0	SSE	1	NNW	1	NNW	1	5	Ci.	Cu. ENE	4	----------	Cu. ENE
2	WNW	1	NbyW	0	N	0	SbyE	0	E	1	N	1	2	----------	S.-Cu.	6	ci.-cu. wsw	Cu. ENE
3	NNW	1	NNE	1	NbyW	1	NW	1	NNW	1	NW	1	10	----------	N. ENE	10	----------	Cu.-N.NE
4	NW	1	WNW	1	NW	1	SSE	1	Calm	----	NW	1	10	----------	Cu.-N. NE	3	----------	Cu. NE
5	NW	1	NW	1	NbyW	1	N	2	Calm	----	WNW	1	7	ci., ci.-s. SW	S.-Cu.	10	----------	N. ENE
6	N	2	N	2	NNW	2	NNW	2	N	1	NNW	1	8	Ci. SW	Cu. ENE	7	ci., ci.-cu. SW	Cu. NE
7	N	3	WNW	2	WNW	2	WNW	2	WNW	2	WNW	1	10	----------	N. NW	9	Ci. SW	cu.-N. NW
8	W	1	Calm	----	S	2	SSE	1	SSE	1	SSE	1	7	Ci. S	S.-Cu.	5	Ci. SW	Cu.
9	E	0	Calm	----	SSE	2	SE	1	SE	1	SSE	1	6	Ci.-S.	Cu. SSE	8	----------	Cu.-N. SE
10	Calm	----	N	0	SSE	0	SE	1	SE	0	Calm	----	2	Ci.	S.-Cu.	7	Ci.	Cu. SE
11	NW	0	Calm	----	SE	0	SE	2	SSE	1	SE	1	9	----------	N. SE	8	Ci.	Cu. SE
12	WNW	1	WNW	1	ESE	1	SE	1	E	1	E	0	7	Ci.-S. W	Cu.	4	----------	Cu. ESE
13	ENE	1	N	1	WNW	0	E	0	ENE	1	E	1	6	Ci.-S. W	S.-Cu.	10	----------	cu.-N. ENE
14	NW	1	NW	1	N	1	W	0	E	1	ENE	1	7	Ci.-S. W	S.-Cu.	6	----------	Cu. NE
15	NbyW	0	NNW	0	ENE	2	NE	2	E	2	ENE	1	9	----------	cu.-N. ENE	8	Ci.-S.	cu.-N. ENE
16	Calm	----	Calm	----	E	0	ESE	2	ESE	1	ESE	0	8	Ci.-Cu. SW	Cu.	6	Ci.	Cu. E
17	Calm	----	ENE	1	ESE	1	ESE	2	E	2	ESE	1	8	Ci.	Cu.-N. E	6	Ci.	Cu. ENE
18	NE	0	N	0	ENE	1	NNW	0	ENE	1	Calm	----	3	Ci.	S.-Cu.	4	----------	Cu. ENE
19	NW	0	NW	0	ENE	0	ESE	2	E	1	Calm	----	2	----------	S.-Cu.	7	----------	Cu. ENE
20	NW	1	WNW	0	E	1	SEbyE	1	E	1	ENE	1	5	Ci.-S. SW	S.-Cu.	4	----------	Fr.-Cu. ENE
21	NW	1	NW	0	E	1	E	1	E	2	ENE	1	6	Ci. SW	S.-Cu.	5	Ci.	Fr.-Cu. ENE
22	NNE	0	N	0	E	0	E	2	E	0	Calm	----	7	Ci.	S.-Cu.	7	----------	Cu. E
23	Calm	----	Calm	----	E	2	E	2	ENE	2	E	1	9	----------	Cu.-N. NE	8	Ci.	Cu. ENE
24	WNW	1	NW	1	ENE	2	E	2	E	1	NNE	1	3	----------	S.-Cu.	9	----------	N. ENE
25	N	1	NW	0	EbyN	2	E	2	E	1	N	1	3	----------	Cu.	4	----------	Cu. ENE
26	NW	1	WNW	1	NE	2	ENE	1	ENE	0	ENE	1	8	Ci.-S.	cu.-N. ENE	8	----------	cu.-N. ENE
27	N	1	NNE	1	E	2	ENE	3	E	1	Calm	----	8	----------	cu.-N. ENE	4	----------	Cu. ENE
28	Calm	----	NE	1	EbyN	1	NE	1	ENE	1	ENE	0	5	Ci.-S. SW	S.-Cu.	4	Ci.	Cu. ENE
29	NNW	2	N	2	Calm	----	E	2	WNW	1	NW	1	10	----------	N. ENE	10	----------	N. E
30	NW	1	NW	1	NNE	1	E	3	NW	2	NW	1	5	Ci. SW	S.-Cu.	10	----------	N. ENE
31	NNW	1	WNW	1	E	1	E	1	E	1	N	1	9	----------	cu.-N. ENE	4	----------	Cu. ENE
Mean	-------	0.8	-------	0.6	-------	1	-------	1.4	-------	1	-------	0.7	6.6	----------	----------	6.6	----------	----------

CAPIZ.

[ϕ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6 meters; gravity correction not applied, —1.81 mm.]

JANUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	61.03	61.21	62.37	60.60	61.48	61.68	24.3	24.5	26.7	26.9	23.6	24.3	29.6	22.7	93	87	83	81	96	85	8.6
2	61.05	61.32	61.83	59.60	60.83	61.57	22.6	22.5	27.9	28	25.2	24	29.9	22.2	95	92	70	70	92	87	------
3	61.05	62.08	62.42	60.80	61.39	61.58	23	21.3	26.7	27.7	24.7	25.7	28.8	21.2	83	94	70	68	86	78	------
4	60.81	61.87	61.76	60.50	61.16	61.62	25.2	24.9	27.5	28.3	25.5	26	29.3	24	86	87	82	79	92	89	1.1
5	60.96	61.91	62.05	60.07	60.97	61.63	25	23.7	28.2	28.7	25.7	23.9	29.9	23.3	92	96	77	75	90	96	------
6	60.94	60.87	61.90	59.56	60.28	61.52	25	24.2	27.9	27.9	26.2	25.7	30.3	23.8	88	94	81	80	90	91	2.6
7	60.93	61.44	61.90	59.38	60.60	62.11	25	25	27.2	26.5	25.6	23.2	29.8	23	95	94	80	88	92	94	4.7
8	61.17	62.23	62.13	60.08	60.85	61.09	25.2	24.9	26.1	26.3	25.7	25.7	27.7	24	86	88	86	84	90	83	------
9	59.82	59.94	60.22	57.87	57.98	59.14	25.5	25.3	27.6	28.1	25.6	25.6	29.7	24.3	88	95	80	81	92	95	2.8
10	58.20	58.13	58.93	56.75	56.98	58.26	25.5	25.2	27.3	28.7	25.8	23.8	30.4	23.8	94	94	84	74	90	97	9.4
11	57.96	58.21	59.01	56.70	56.86	58.26	23.5	23	28.2	29.2	26	23.8	30.4	22.8	97	96	80	74	85	96	------
12	58.14	58.26	59.78	58	58.39	59.77	22.9	21.5	27.8	27.8	25.9	25.8	29.9	21.5	97	99	76	79	85	88	------
13	59.04	59.30	61	59.20	59.92	61.01	25.2	23	28.4	28.5	26.1	25	30.2	22.9	86	97	77	78	88	93	7.2
14	60.57	60.34	61.28	58.96	58.89	60.20	24.8	23.6	27.7	28.4	26.5	26.6	30.2	23.5	89	97	79	77	86	86	.8
15	59.19	59.25	60.84	58.44	57.76	58.98	26	25.2	28.5	28.4	26.5	24.5	30.3	24.1	88	93	78	77	84	95	------
16	58.77	58.63	60.10	58.75	59.30	60.25	25.7	25.5	28.3	28.5	25.8	25.2	30.3	24.8	88	88	75	74	87	88	------
17	59.65	59.98	60.64	58.35	58.92	60.48	25	23.9	29	29.4	26.1	25.5	30.7	23.9	88	94	71	65	86	89	.3
18	59.88	60.38	60.70	58.95	59.80	60.67	25.5	25.6	28.5	28.7	26.2	26	30.2	25.4	88	87	75	67	85	88	.8
19	59.20	59.63	60.96	59.38	59.63	60.41	25.5	25.5	27.8	26.7	26	26.2	30.3	25.2	89	88	74	80	84	82	2
20	59.98	59.71	61.66	59.77	60.22	61.12	25.5	25.5	27.2	28.5	26	25.5	30.4	24.5	81	80	77	70	84	88	------
21	60.51	60.14	61.17	58.75	59.26	61.06	25	25	28.3	28.7	26.1	25.6	30.2	24.8	87	83	75	71	85	84	6.6
22	60.42	60.07	61.22	58.91	59.49	60.06	25.2	24.5	28	28	25.6	25.7	29.8	24	86	92	75	74	87	81	------
23	59.28	58.89	59.59	56.67	57.90	59.04	25	24.9	27.8	29	26.8	25.5	30.1	23.4	87	87	76	72	74	88	------
24	57.99	57.79	58.56	56.30	57.04	59.05	24.2	25	28.5	28.8	25.6	25.1	30.4	23.2	91	83	75	73	87	92	------
25	58.19	58.90	59.76	57.05	57.59	59.05	24.5	23.8	27.5	27.9	26	25.3	30.5	23	87	87	76	77	85	85	------
26	58.35	57.86	59.08	56.95	56.92	58.12	24.8	24.7	27.8	28.7	26.2	25	30.5	24.5	89	90	79	72	86	92	------
27	57.93	57.39	58.41	56.65	56.08	57.90	25	23.7	27.5	29.8	26.5	25.1	30.6	23.5	90	96	83	72	84	95	------
28	56.93	56.65	58.07	56.31	56.76	58.05	24.2	23.3	29.7	29.2	26.7	25	30.9	23	94	89	71	75	83	92	------
29	57.94	57.48	59.30	57.02	56.72	57.87	24.6	24.5	28	29.6	27	24.5	31.1	23.8	92	92	77	70	81	92	------
30	58.37	58.02	59.32	56.80	57.16	58.93	25.8	24.6	29	28.7	25.9	23.3	31.5	23	88	95	69	69	81	93	1.5
31	58.34	58.27	59.16	57.07	57.11	57.97	22.5	22.3	27.6	30.4	27.2	24.5	32	22.2	96	97	81	65	79	93	------
Mean	59.44	59.55	60.49	58.39	58.85	59.95	24.7	24.2	27.9	28.4	25.9	25.1	30.2	23.5	89.6	91.3	77.2	74.5	86.3	89.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	48.4

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	NE	NE	NE	SSW	NE	78.7	84.7	43.8	19.1	226.3	9	Ci.-S.	N. NE	8	Ci.-S.	N.-cf. NE
2	E	ESE	NE	NE	NNE	ENE	13.7	48.5	37	10.7	109.9	3	Ci.	S. NE	6	Ci.	Cu.-N. NE
3	NE	Calm	NE	NNE	NNE	N	19.5	53.3	57.1	70.2	200.1	7	Ci.	Fr.-Cu. NE	7	Ci.	Cu. NE
4	N	N	NNE	NE	NNE	NE	59.8	100.4	61	52.5	273.7	10	Ci.-S.	N. N	10	Ci.-S.	N. NE
5	E	S	N	NE	N	WSW	13.7	55.5	71.6	19.9	160.7	8	Ci.	N.-cf. N	7	Ci. SE	Cu. NE
6	N	NW	N	NNE	N	N	39.1	76.7	83.1	62.8	261.7	8	Ci.	Cu. N	8	Ci.-S.	N. N
7	NE	NE	NE	NE	NE	S	56.6	77.7	68.9	34	237.2	10	Ci.-S.	N. NE	9	Ci.-S.	N. NE
8	NNE	NE	NE	NE	NE	NNE	94.4	116.5	124.2	86.4	421.5	10	Ci.-S.	Fr.-N. NE	10	Ci.-S.	Fr.-N. NE
9	NNE	N	NNE	NNE	Calm	N	96.9	104.4	62.2	44	307.5	10	Ci.-S.	N. N	8	Ci.	Cu.-N. E
10	Calm	NE	NNE	NE	N	S	52.5	50.7	57.7	8.6	169.5	4	Ci.	Cu. NE	2	Ci.	Cu. NE
11	N	S	N	NNW	NE	SSW	17.7	25.2	48.5	-----	------	8	Ci.	N.-cf. N	3	Ci.	Cu. NE
12	Calm	SSW	N	N	N	N	-----	-----	70.8	85.9	------	9	Ci.-S.	Fr.-N. NE	3	Ci.	Cu. N
13	S	S	NNE	N	NE	N	16.3	57.9	73.7	61.5	209.4	5	Ci.	Cu. N	7	Ci.	Cu. N
14	ENE	Calm	ENE	NE	N	N	36.5	50.7	70.2	46.7	204.1	9	Ci.-S.	N. E	5	Ci.	Cu. E
15	N	NNE	NNE	NNW	WSW	N	74	64.7	62	36.4	237.1	8	Ci.-S.	N. NNE	8	Ci.-S.	Cu.-N. N
16	N	N	N	N	NNE	NNE	85.6	110.2	104.9	51	351.7	9	Ci.-S.	Fr.-N. N	5	Ci.	Cu. NE
17	ENE	E	E	NE	Calm	NNE	16.6	46.7	47.8	27.9	139	9	Ci.-S.	N. E	2	Ci.	Cu. NE
18	NNE	NNE	NNE	NNE	NNE	NNE	59.3	75.4	67.8	40.2	242.7	9	Ci.-S.	Fr.-N. NE	3	Ci.	Cu. NE
19	NNE	NNE	N	NE	N	NNE	69.4	86.4	96.3	103	355.1	9	Ci.-S.	N.-cf. NE	10	Ci.-S.	N. NE
20	NNE	NNE	NNE	NNE	NNE	NNE	79.1	81.5	53.3	38.1	252	10	Ci.-S.	N. N	7	A.-Cu.	Cu. NE
21	NE	NE	NE	NNE	N	NNE	47.5	84.5	100.6	69.8	302.4	9	Ci.-S.	Fr.-N. NE	7	Ci.	Cu. NE
22	NNE	NE	NNE	NNE	NNE	NNE	42	85.1	80.2	61.7	269	9	Ci.-S. NE	Fr.-N. NE	6	Ci.	Cu. E
23	NE	NE	NE	NNE	N	NE	59.5	84	78.9	51.2	273.6	8	Ci.	Cu. NE	7	Ci.	Cu.-N. NE
24	NE	NE	NNE	N	N	N	38.3	83.4	58.5	51	231.2	8	Ci.	N.-cf. NE	6	Ci.	Cu. NE
25	E	ENE	NE	N	NNE	NE	21.1	63.3	87.2	53.9	225.5	6	Ci.	Fr.-Cu. ENE	8	Ci.	Cu.-N. NE
26	NE	NE	NE	NNE	NNE	SW	30	55.7	65.8	25.1	176.6	7	Ci.-S.	N.-cf. E	5	Ci.	Cu. E
27	Calm	SSE	NNE	N	N	Calm	12.6	29.8	55.5	14	111.9	6	Ci.-S. NE	N.-cf. NE	5	Ci.	Cu.
28	WSW	SSE	NE	NE	N	Calm	6.9	36	66.6	5.3	114.8	7	Ci.	N.-cf. NE	5	Ci.	Cu. NE
29	Calm	ENE	NE	NE	NE	S	12.9	57.3	67.8	13.4	151.4	8	Ci.	Fr.-N. ENE	6	Ci.	Cu. E
30	NNE	SSE	NE	NE	NNE	S	29.5	37.2	56.1	6.9	129.7	9	Ci.-S.	Fr.-N. E	7	Ci.	Cu.
31	Calm	SSE	NNE	NE	SE	S	3.2	35.2	66.2	2.6	107.2	9	Ci.-S.	Fr.-N. E	2	Ci.	Cu.
Mean	------	------	------	------	------	------	42.8	67.3	69.2	41.8	222.5	8.1	----------	----------	6.2	----------	----------

CAPIZ.

[ϕ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6 meters; gravity correction not applied, —1.81 mm.]

FEBRUARY, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature								Relative humidity.						Rain, 24 hrs, beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.25	57.59	58.81	56.99	56.99	58.92	24.5	24	29.7	30.1	26.7	22.5	31.5	21.9	92	93	67	62	71	89	------
2	59.10	58.96	60.29	58.69	58.58	59.45	21.6	20.8	29	29.4	26.5	22.7	30.9	20.7	95	96	68	59	74	92	------
3	59.37	59.10	60.86	58.94	58.91	60.22	21.7	21.2	28.8	29	26.1	26.2	31	21	94	93	68	65	79	84	------
4	59.98	59.97	61.35	59.35	59.68	61.05	25	23.8	29	29.5	26.9	26	30.8	23.8	92	93	65	70	77	80	1
5	60.94	60.77	61.99	59.76	59.60	60.52	25	25	28.6	28.8	27	26	30.4	24.9	83	80	71	69	70	72	------
6	59.87	59.65	60.14	57.89	58.59	59.94	25.5	25	28.7	29.2	23.4	24.5	31.2	23	84	83	71	72	94	92	51.7
7	58.98	59.93	60.75	59.02	58.93	60.22	23.8	23.7	26	28.4	26.3	25	29.8	22.8	93	94	81	66	73	77	.9
8	59.59	59.86	61.02	59.02	59.02	60.57	24.6	24.5	28.5	28.2	25.3	24.7	30	23.7	82	79	64	59	70	74	1
9	59.98	59.86	61.25	59.06	59.34	61.08	24.3	24.3	28.2	28.5	26.4	26.2	30.1	24.2	74	73	66	67	77	76	------
10	60.97	60.77	62.08	60.30	60.72	62.06	24.2	25.2	26.2	27.3	25.9	26	30.4	23.3	90	82	80	81	82	82	4.6
11	61.76	61.19	62.12	60.56	60.91	62.31	24.7	24.5	28.5	28	26.1	25.8	30.2	24.4	90	92	79	81	87	88	1.3
12	61.31	61.77	62.54	60.15	60.92	61.88	25	25	27.5	29.4	26.1	25.1	30.8	23.7	88	88	77	68	87	87	4.1
13	61.29	61.39	62.77	60.86	60.55	61.17	23	24.5	28.2	27.4	25.5	25.5	29.8	22.8	87	76	60	67	73	76	------
14	60.14	60.54	61.18	59.36	59.53	60.27	25	24.3	26	26.6	24	25.5	28.9	23.8	79	82	86	83	96	85	7.9
15	59.69	59.19	60.05	58.02	58.10	59.15	25.3	24.9	27.3	28.2	26.1	25.8	30.7	24.7	87	89	80	76	82	83	.5
16	58.54	58.30	59.50	57.46	57.24	58.67	25.2	24.9	26.4	28	26.9	25.4	30.6	24.4	87	88	82	74	79	91	.5
17	58.03	57.78	59.31	57.36	57.73	58.63	24.6	25.2	27.2	27.6	26.1	25.8	29.2	24.5	97	92	87	86	88	90	.6
18	57.60	58.03	59.76	57.56	58.44	59.99	25.4	25.1	27.7	27.7	26.3	25	30	24	93	95	83	83	90	96	19.6
19	59.45	59.82	61.11	60.05	61.06	62.69	24.5	25	26.2	25.7	25.1	25	28.2	24.2	87	87	86	84	80	80	1
20	61.86	62.21	62.71	60.86	61.37	62.83	24.1	23.7	25.2	24.5	24	23.7	27	23.1	87	90	86	89	91	94	7.3
21	60.99	61.51	61.96	59.92	60.64	61.98	23.9	23.9	25	24	24	24.1	28.3	23.4	92	92	92	91	92	91	6.8
22	60.64	60.33	60.98	58.82	59.37	60.94	24.4	24.6	27.2	26.7	25.7	24.8	29.8	24.3	92	93	77	83	84	87	1.8
23	60.07	60.23	61.77	59.89	59.50	62.11	24.9	24.5	28.3	29.6	26.1	25.1	30.9	24	85	87	69	65	79	80	------
24	61.27	61.51	63.22	60.96	60.77	62.35	24.2	23.9	27.8	29.4	25.7	25.5	30.8	23.8	82	81	65	68	80	84	------
25	61.61	60.84	62.30	59.61	59.97	61.09	24.9	24.7	26.8	28.5	25.7	25.1	30.3	24.3	87	86	83	75	86	89	5.4
26	59.97	60.13	61.28	59.02	58.95	60.63	24.5	24.3	26.5	27.4	25.1	23.7	30.2	23.5	92	91	83	81	87	97	16.9
27	59.57	59.89	61.01	58.66	58.64	60.26	23.3	24	27.2	27.9	25.9	25	29.9	23.3	97	92	83	79	85	88	2.6
28	59.69	59.69	60.57	58.85	58.76	60.34	24.5	24	28.5	28.6	25.7	23.7	30.5	23.4	92	95	76	78	86	96	.8
Mean	59.98	60.03	61.17	59.18	59.39	60.76	24.3	24.2	27.5	28	25.7	25	30.1	23.5	88.6	87.9	76.2	74.3	82.1	85.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	136.3

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	SE	E	NE	NE	Calm	6.7	55	57.9	5.4	125	8	Ci.	Cu. SE	8	Ci.	Cu.
2	SE	Calm	NE	NE	NE	S	5.3	43.8	60.4	6.9	116.4	7	Ci.	N.-cf. E	2	Ci.	Cu. NE
3	Calm	SE	NE	NE	Calm	SE	12.3	47.8	55.5	33.6	149.2	7	Ci.	N.-cf. NE	7	Ci.	Cu. E
4	NNE	NNE	NNE	N	NNE	NNE	27.9	60.7	87.9	76.2	252.7	8	Ci.	N.-cf. NE	8	Ci.-S.	Cu. NE
5	NE	NE	NE	NNE	NE	NE	58.4	93	102.5	70.8	324.7	9	Ci.-S.	N. SE	6	Ci.	N.-cf. NE
6	NE	NE	NNE	NNE	Calm	E	58.9	71.1	55.5	52.1	237.6	9	Ci.-S.	Fr.-N. NE	9	Ci.-S.	N.-cf. NE
7	E	E	E	ENE	NNE	NE	72.4	119.1	135.8	90.6	417.9	10	Ci.-S.	Fr.-N. E	9	Ci.-S.	Fr.-N. E
8	ENE	ENE	NE	NE	NE	NE	70.8	85.8	93.9	52.6	303.1	10	Ci.-S.	Fr.-N. NE	8	Ci.-S.	Fr.-N. NE
9	NNE	NNE	NNE	NNE	NNE	NNE	94.6	116.5	104.3	77.2	392.6	8	Ci.	Fr.-Cu. NNE	8	Ci.-S.	Cu. NE
10	NNE	NNE	NNE	NE	NNE	NNE	106	104.8	115.3	90.1	416.2	10	Ci.-S.	N. N	10	Ci.-S.	N. NE
11	N	N	N	NNW	NE	NE	59.2	79.7	85	27.4	251.3	9	Ci.-S.	N. N	8	Ci.	Cu. N
12	NE	NE	NE	NE	N	NE	35.1	82.1	94.6	41.6	253.4	9	Ci.-S.	N.-cf. NE	4	Ci.	Cu. E
13	NE	NE	NE	N	N	NNE	84.7	90.9	91.2	96.9	363.7	9	Ci.-S.	N. NE	9	Ci.-S.	N. N
14	NNE	N	N	NNE	N	N	91.9	84.8	94.8	86.4	357.9	8	Ci.	N.-cf. NE	10	Ci.-S.	Fr.-N. NE
15	N	N	N	N	N	N	136.2	147.6	167.3	157.9	609	10	------	N. N	9	Ci.-S. N	Fr.-N. N
16	N	N	N	NNW	NNW	N	157.7	151.3	124.7	121.5	555.2	10	Ci.-S.	N. N	10	Ci.-S.	N. N
17	N	N	NNE	NNE	N	NW	135.2	123.9	100.6	62.2	421.9	9	Ci.-S.	N. N	10	Ci.-S.	N. NNE
18	NNW	N	N	N	N	N	114.5	101.4	71	64.2	351.1	9	Ci.-S.	N. N	8	Ci.-S.	Fr.-N. N
19	N	N	N	N	N	N	158.8	210.5	222.1	209.7	801.1	10	Ci.-S.	Fr.-N. N	10	Ci.-S.	Fr.-N. N
20	N	N	N	N	N	N	202.7	199.5	206.3	169.4	777.9	10	Ci.-S.	N. N	10	Ci.-S.	N. N
21	N	NNE	NNE	NNE	NNE	N	144	132	154	112.9	542.9	10	Ci.-S.	N. NNE	10	Ci.-S.	N. NNE
22	N	N	N	N	NNW	NNW	124.1	127.3	121	70	442.4	10	Ci.-S.	N. N	8	Ci.-S.	N.-cf. N
23	NW	NW	NW	WNW	NW	N	78.9	81.5	50.1	114.5	325	10	------	N. NW	4	Ci.	Cu. NW
24	N	N	NNE	NW	NW	NW	143	107.2	65.7	107.8	423.7	8	Ci.-S.	N.-cf. N	5	Ci.	Cu. NW
25	NW	NW	NW	NW	NNW	N	81.9	85.8	103.3	116.4	387.4	9	Ci.-S.	N. NW	9	Ci.-S.	N. NW
26	NNW	NW	NW	NW	N	W	81.6	115.6	102.8	39.4	339.4	10	------	N. NW	9	Ci.-S.	N. NW
27	NNW	WNW	N	NNW	WNW	N	79.5	63.1	61.5	43.7	247.8	10	Ci.-S.	N. NW	8	Ci.	N.-cf. N
28	SW	SSW	N	N	N	SSW	50.5	51.5	62.6	6.7	171.3	9	Ci.-S.	Fr.-N. NE	8	Ci.	Fr.-Cu. N
Mean	------	------	------	------	------	------	88.3	101.2	101.7	78.7	369.9	9.1	------	------	8	------	------
Total	------	------	------	------	------	------	------	------	------	------	10,357.8	----	------	------	----	------	------

CAPIZ.

[$\phi = 11°\ 35'$ N; $\lambda = 122°\ 45'$ E; barometer above sea, 6 meters; gravity correction not applied, —1.81 mm.]

MARCH, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.81	60.26	61.77	59.61	59.14	60.41	23.7	23.5	28.8	29.2	25.8	24.5	30.7	23.4	94	93	73	72	84	87	------
2	59.28	60.07	61.32	59.10	58.90	60.37	24.6	23.5	27	28.6	25.6	25.3	30.3	23.3	87	93	78	71	79	81	------
3	59.49	59.83	61.16	59	59.42	60.97	24	23.6	27.6	28.7	25.5	24.7	30.3	23.2	90	90	71	69	83	82	------
4	60.83	60.59	61.82	59.34	59.43	61.37	23.9	23.5	28.4	28.2	26.4	24.8	30.8	23.3	85	84	66	68	76	76	------
5	60.94	60.94	62.27	60.22	59.96	61.27	24.2	23	27.7	29.7	25.7	22.2	30.8	21.2	77	83	63	55	75	93	------
6	60.99	61.52	62.03	59.27	59.07	60.25	20.9	20	27.8	28.7	25	21.5	30.4	19.9	94	96	62	62	76	95	------
7	59.82	60.56	61.55	59.21	59.25	60.53	20	19.7	27.7	27.9	25	24.2	30.3	19.5	98	98	60	64	78	83	------
8	59.86	60.32	61.38	58.76	59.08	60.03	21.2	20.3	27.3	27.6	25.2	24.4	29.4	20.3	88	95	71	69	78	86	------
9	59.26	59.72	61.39	59.07	58.97	60.07	21.1	20.4	28	28	25.7	24	30.2	20.2	95	96	70	74	81	91	------
10	59.65	59.25	60.33	57.65	57.92	59.69	24.2	22.3	27.8	29	26.3	24.2	30.5	22.1	86	94	74	64	76	91	------
11	58.79	58.48	60.23	58.27	57.71	59.28	25.4	25.5	26.7	28.7	26.6	26.2	30.3	23.7	88	89	86	80	86	92	2.3
12	59.04	59.49	60.94	59.11	59.82	61.37	24.2	23.9	29.5	32	27.7	26.5	33.3	23.8	97	97	75	63	83	91	------
13	60.98	61.02	62.41	59.75	59.82	60.92	25.8	24.7	29	30.3	27	26.5	32	24.6	89	92	71	66	85	86	------
14	60.01	60.23	61.55	58.95	58.78	59.80	25	24	29.6	31	26.5	26.6	32.1	23.8	92	97	63	62	83	87	------
15	59.10	59.29	60.36	57.86	57.72	59.62	25.4	24	28.7	30.5	27	24.6	31.7	23.9	88	91	73	63	78	95	------
16	58.92	59.13	60.14	58.15	58.30	59.92	24.6	24.6	29.7	30.3	27.8	25.7	31.4	24.4	95	98	69	70	79	91	------
17	59.20	58.96	60.61	58.53	58.85	60.05	25.3	24.2	29.5	29.7	27.5	25.2	31.3	24.2	92	97	75	69	84	94	------
18	59.44	59.54	60.43	58.61	58.41	60.11	25.1	23.5	30.1	30.6	27.6	24.6	32.3	23.4	94	91	71	70	78	91	------
19	59.89	59.87	61.32	59.33	59.22	60.68	23.8	22.7	28.4	30	27.3	25.8	31.5	22.7	91	98	82	71	81	81	.8
20	60.28	60.73	61.67	59.29	59.45	60.97	25	24.6	29.3	30.4	26.7	26	32.4	24.2	85	88	70	63	80	82	------
21	59.97	60.37	62.02	59.73	59.80	61.26	25.6	25.5	28.6	29.8	26.8	26.2	31.6	25.4	84	84	73	69	82	84	------
22	60.12	60.65	61.80	59.84	59.85	61.22	25.5	25.7	28.5	29	26.8	26.5	31.8	25.2	88	86	83	80	82	86	.8
23	60.28	61.07	62.04	59.73	59.39	60.37	25	25	29.7	29.8	27	27	31.3	24	87	83	68	69	83	83	------
24	60.15	60.39	61.97	59.90	59.28	61.10	25.5	25.2	29.2	30.4	27.3	27	31.6	25	86	86	72	67	78	81	------
25	60.21	60.84	61.78	59.59	59.94	61.48	25	23.5	29.3	29.8	27.6	26.4	31.6	23.4	85	95	70	71	73	78	------
26	60.87	61.14	62.10	60.24	60.72	62.04	25	24.6	29.2	29.1	26.5	24.3	31	24.3	88	88	64	74	80	90	1
27	61.86	61.97	62.91	60.84	60.98	62.81	24.5	25	28.5	29.5	26.3	26	31.3	24.5	92	88	74	72	82	84	.3
28	61.15	61.11	62.57	60.41	60.75	61.97	25.5	24.9	29.1	29	25.6	26.5	31	24.7	88	91	71	74	83	86	.3
29	60.95	60.87	62.21	60.14	60.09	61.93	25.3	25.8	29.5	31.2	27.5	26.6	32.7	25	90	85	68	60	75	77	------
30	61.05	61.18	62.14	59.94	59.56	61.26	25.7	25.5	29.8	29.7	27	26	31.7	25.2	84	84	69	71	82	77	------
31	60.25	59.72	61.07	58.75	57.86	59.19	25.7	25.6	28.2	29	28.3	27.3	31.7	25.4	79	79	69	69	72	82	------
Mean	60.08	60.29	61.53	59.30	59.27	60.72	24.4	23.8	28.7	29.5	26.6	25.4	31.3	23.5	88.9	90.6	71.1	68.4	79.8	85.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	5.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	W	NW	NW	NNW	W	30.9	33.2	67.8	20.9	152.8	8	Ci.-S.	Fr.-N. N	5	Ci.	Fr.-Cu. NW
2	SSW	S	NNE	N	N	NNE	33.3	46.9	84.5	91.4	256.1	8	Ci.-S.	Fr.-N. N	2	------	Cu. NW
3	E	SE	NNE	N	N	NNE	40.8	52.8	96.6	97.2	287.4	2	Ci.	Cu. NE	2	Ci.	Cu. N
4	NE	E	E	ENE	ENE	E	70.2	69.2	82.1	72.7	294.2	8	Ci.	Fr.-N. E	7	Ci.	Fr.-Cu. E
5	E	E	ENE	NE	ENE	S	35.1	57.9	57.9	10	160.9	8	Ci.	Fr.-Cu. NE	1	Ci.	Fr.-Cu. NE
6	S	S	ENE	NE	NE	S	10.7	42.1	67.6	8.2	128.6	6	Ci. S	Fr.-Cu. E	4	Ci.	Cu. NE
7	S	SSE	NE	NNW	NNW	NE	4.5	51.7	58.4	30.4	145	8	Ci.	Fr.-Cu. NE	4	Ci.	Cu. NE
8	S	SSE	NE	NNE	NNE	E	10	60.6	97.1	27.7	195.4	8	Ci.	Fr.-N. NE	3	Ci.	Cu. NE
9	S	SSE	NNE	N	NNE	NNE	4.3	51.2	86.9	23.9	166.3	3	Ci.	S.-Cu. S	2	------	Cu. N
10	SE	SE	NNE	NNW	NNW	NNW	37.5	51.2	64.4	9.7	162.8	7	Ci.	Cu. NE	8	Ci.-S.	Cu. NE
11	N	N	NW	N	N	W	54.4	75.9	104.6	19.6	254.5	10	Ci.-S.	Fr.-N. N	8	Ci.-S.	Cu. N
12	N	SE	SE	E	NE	NE	8	40.7	82.9	41.8	173.4	10	Ci.-S.	N. SE	3	Ci.	Cu. SE
13	E	E	NE	NE	N	NE	41.8	67.6	72.7	47.2	229.3	6	Ci.	Cu. SE	3	Ci.-Cu.	Cu. E
14	E	E	E	NE	N	NE	33.5	71.1	79.7	31.4	215.7	2	------	Cu. E	2	------	Cu. E
15	ESE	ESE	NE	NE	NE	S	44.8	56.3	79.1	13.7	193.9	1	------	Cu.	1	------	Cu. NE
16	SE	E	NE	NE	N	NNE	16.3	50.9	82.6	14.7	164.5	6	Ci.	Cu. E	2	------	Cu.
17	S	SSW	NE	N	N	SE	13.2	51.7	74.3	12.1	151.3	8	Ci.	N.-cf. E	3	Ci.	Cu.
18	SSE	SW	NE	NE	N	S	17.9	42.4	70.3	7.8	138.4	7	Ci.-S.	Cu.	6	Ci. SE	Cu.
19	SSE	SE	N	N	NE	ESE	5.6	34.9	77.7	33.8	152	8	Ci.	N.-cf. N	4	Ci.	Cu. N
20	E	SW	NE	NNE	NE	NE	33.8	55	81.3	33.3	203.4	6	Ci.	Fr.-Cu. E	4	Ci.	Cu. E
21	NE	ENE	NE	NNE	N	NE	37.5	62.8	71.3	54.2	225.8	8	Ci.	N. E	2	------	Cu. NE
22	NE	NE	NE	NE	NNE	NE	48.6	83.4	86.9	50.4	269.3	8	Ci.-Cu.	N.-cf. NE	7	Ci.	Cu.-N. NE
23	NE	NE	NE	NNE	NNE	NNE	27.9	74.6	72.9	73.8	249.2	8	Ci.	S.	8	Ci.	Fr.-Cu. NE
24	NE	NE	NNE	N	NE	NE	41.5	78.9	76.6	55.3	252.3	8	Ci.	Cu. NE	7	Ci.	Cu. N
25	NE	NNE	NE	NNE	NNE	ENE	23.8	66.6	92	59.3	241.7	6	Ci.	Cu. NE	7	Ci.-Cu.	Cu. NE
26	NE	ENE	NE	N	NNE	NE	39.9	83.5	122.3	62.6	308.3	8	Ci.	Cu. E	7	Ci.	Cu.-N. NE
27	NE	NE	NE	N	NE	NE	43.8	----	108.6	65.5	------	7	Ci.	N. NE	7	Ci.	Cu.-N. NE
28	NE	ESE	NE	N	ENE	NE	46.1	74.3	89.6	60.7	270.7	6	Ci.	Cu.-N. E	8	Ci.-S.	Cu.-N. NE
29	NE	NE	E	NE	ENE	ENE	53.1	108.8	102.4	86.4	350.7	8	Ci.	N.-cf. E	4	Ci.	Cu. NE
30	NE	NE	NNE	N	NNE	ENE	69	83.4	91.5	46.9	290.8	8	Ci.	N.-cf. NE	8	Ci.-S.	Cu. NE
31	NE	NNE	NE	NE	NNE	N	92.3	102.4	78.9	88.5	362.1	8	Ci.-S.	N.-cf. NE	8	Ci.-S.	Cu. NE
Mean	------	------	------	------	------	------	34.5	62.7	82.6	43.6	221.6	6.9	------	------	4.7	------	------

CAPIZ.

[ϕ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6 meters; gravity correction not applied, —1.81 mm.]

APRIL, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.24	57.90	59.26	56.94	57.83	58.48	26.9	26.5	28.5	29.7	27.7	27.4	31.3	25.7	85	84	80	75	84	87	2.5
2	58.20	58.22	59.80	58.18	58.14	59.95	26.2	25.5	28	27.1	27	25.8	29.4	25.2	82	84	85	87	80	86	7.9
3	58.80	58.73	60.11	58.65	59	60.07	25.7	25.5	29.2	30	28.1	27.3	31.3	25.3	89	88	76	73	78	85	------
4	59.20	59.07	60.35	57.94	58.43	59.58	26.5	26	30.5	31.7	27	25.3	33.4	25.2	86	88	68	65	86	84	------
5	58.87	59.03	59.91	58.05	57.91	59.80	25.3	24.4	30	30	25.5	24.7	32.5	24.3	83	89	71	72	92	94	9.4
6	58.59	59.45	60.35	58.51	57.60	59.93	24.5	24.5	29.8	31	27.5	26.8	32.5	24.4	92	92	69	65	71	71	------
7	58.97	58.93	59.90	57.35	57.66	58.92	24.8	25	29.8	30.5	27.5	27.5	32.3	24.8	85	83	68	68	79	81	.8
8	58.10	58.13	59.25	56.75	56.65	58.33	25.2	25.5	30	30.5	27.8	26.7	32.3	25.4	94	93	75	74	83	91	------
9	57.64	57.30	58.47	55.32	56.70	58.03	26	25.3	32.5	31.7	28	26.9	34.2	25.2	92	96	67	70	82	88	8.1
10	57	57.24	58.54	55.65	57	58.35	25.5	25	30.2	31.7	27.7	26.3	33.6	25	94	96	78	64	88	91	5.3
11	57.04	57.68	58.11	55.22	56.69	58.58	26	25	31.7	31.7	28	25.5	33.8	24.7?	92	97	71	71	81	92	------
12	57.44	58.27	59	56.37	56.94	58.82	25.5	24.4	30.6	32.1	28.5	26	34.2	24.4	90	97	76	64	78	90	------
13	58.14	58.99	60.24	57.89	57.50	59.24	26	25.3	30.1	31.7	27.5	25.6	33.4	25.2	87	91	69	56	81	89	------
14	58.84	58.50	59.53	57.32	56.85	58.79	26.2	25.5	29.7	32	27.6	26.1	33.7	25.3	86	89	73	63	83	92	------
15	58.02	57.86	58.90	56.85	57.09	58.93	24.8	23.8	30.2	31.1	28.3	25	33.2	23.8	93	97	77	71	80	93	------
16	58.30	58.50	59.34	57.33	57.31	59.37	23.2	22.4	31.5	32	28	25	34	22.5	97	97	65	61	75	88	------
17	58.83	58.95	59.68	57.02	57.12	59.35	23.3	22.7	31.2	31.4	27.7	25.5	33.8	22.7	95	97	72	68	84	93	------
18	58.29	58.84	59.74	56.98	57.97	59.52	24.8	23.9	30.4	31.3	28.5	25.8	33.7	23.9	91	97	69	68	86	92	------
19	58.37	59.05	59.94	58.37	59.48	60.84	24.5	24	30.2	32	29.5	27.2	34.3	24	94	96	68	67	75	87	6.1
20	59.52	60.07	61.04	59.51	59.19	61.05	26	24.5	30	32.5	28.3	27.3	34.2	24.3	88	96	76	60	78	86	.8
21	60.60	60.16	61.55	59.50	59.74	60.65	26.4	25.4	30.5	30	27.1	24.5	32.9	24.1	89	93	73	73	90	96	10.4
22	59.34	59.40	59.80	57.86	58.01	58.39	24.7	25.8	28	27	23.2	23.5	29.3	23	96	88	85	92	94	95	17.7
23	57.21	56.24	57.36	56.33	57.21	58.87	23.8	24	30.5	27.1	26.1	24.5	33.3	23.2	93	97	65	81	87	94	.5
24	58.36	58.73	59.35	57.14	58.34	59.86	24	24	31.3	25.5	25.5	24.5	34	23.8	93	96	64	94	96	95	35.8
25	59.09	59.84	60.29	57.75	59.94	61.84	23.5	23	31.7	30.5	23.2	23.5	34.9	23	96	99	69	76	97	96	15.7
26	60.16	60.78	60.61	59.30	59.18	60.64	23.2	23.2	31.5	28.2	24	23.7	33.7	22.4?	98	98	66	86	97	97	28.8
27	59.31	59.48	59.65	56.75	58.14	59.30	23.5	23.2	31.2	31.2	26	23.8	34.3	23.1	96	97	66	68	92	97	3.8
28	59.09	58.15	58.94	57.14	57.13	58.84	23.8	23.5	31.5	29.8	27.6	25.8	32.9	23.2	93	96	66	73	84	93	------
29	58.42	58.40	59.21	57.25	57.11	58.87	24.5	23.5	31	31.1	28.4	27	33.8	23.3	92	97	69	70	78	86	------
30	58.17	58.44	59.52	58.01	58.13	59.80	25.5	24.1	27.1	29.9	27.8	25.8	33.3	24	88	95	86	75	83	93	------
Mean	58.54	58.68	59.59	57.44	57.87	59.43	25	24.5	30.3	30.4	27.2	25.7	33.1	24.1	91	93.4	72.1	71.7	84.1	90.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	----	----	----	----	----	----	153.6

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	N	NE	N	N	N	103	-----	-----	----	------	8	Ci.	Fr.-N. N	7	Ci.	Cu. N
2	N	N	N	N	NE	N	-----	-----	-----	----	------	8	Ci.-S.	N.-cf. N	10	Ci.-S.	Fr.-N. NE
3	NE	N	N	N	N	NE	-----	-----	-----	30.1	------	8	Ci.-S. N	N.	7	Ci.-S.	Cu. NE
4	S	SSE	NE	ENE	NNW	N	22.5	48.8	53.6	26.9	151.8	8	Ci.	N.-cf. E	7	Ci.	Cu. NE
5	NE	NE	NE	N	N	N	27.9	49.4	51.5	44.6	173.4	3	Ci.	Cu.	8	Ci.-S.	Cu. NE
6	NE	NE	NE	N	NNE	NE	23.5	53.7	82.6	57.7	217.5	9	Ci.-S. E	N.-cf. E	6	Ci.	Cu. NE
7	NE	NE	N	NNW	NNW	N	35.1	72.9	70	66.6	244.6	5	Ci.	N.-cf. NE	2	Ci.	Cu. NE
8	NNE	N	NE	NNE	NNE	NNE	65	70.3	82.1	45.4	262.8	8	Ci.	N. NE	4	Ci.	Cu. NE
9	NE	SE	NE	NNE	NE	NE	10	44.5	67.6	46.1	168.2	6	Ci.	N. SE	2	Ci.	Cu.
10	Calm	E	ENE	NE	NE	NE	5.9	46.2	75.9	14.7	142.7	10	----------	N. SE	4	Ci.	Cu.
11	NE	NE	NE	NE	NE	Calm	8.5	45.3	63.4	3.5	120.7	5	Ci.	Cu. NE	2	Ci.	Cu.
12	S	E	ENE	NE	ENE	Calm	3.8	44	64.7	6.9	119.4	8	Ci.	Cu. E	2	Ci.	Cu. E
13	E	E	NE	NE	ENE	Calm	55.5	61.2	62.8	12.6	192.1	6	Ci.	Cu. E	7	Ci. N	Cu. NE
14	NE	NE	NE	NE	NE	Calm	36.8	62.2	57.6	5.9	162.5	8	Ci.	N.-cf. NE	5	Ci.	Cu.
15	Calm	SSW	N	N	NNW	Calm	4.6	39.7	57.4	4.5	106.2	5	Ci.	Cu. NE	4	Ci.	Cu. N
16	Calm	Calm	ENE	NNE	E	SW	4	40.8	53.6	2.9	101.3	8	Ci.-S.	Cu.-N. NW	3	Ci.	Cu.
17	S	S	NE	NE	NNE	S	4.8	32.7	51.7	7.7	96.9	8	Ci.	S.	8	Ci.	Cu.
18	NE	NE	N	N	N	S	10.8	30.6	50.4	3.5	95.3	8	Ci.	S.	8	Ci.-S.	Cu.
19	S	SSW	N	NNE	NE	S	5	33.2	45.4	6.7	90.3	10	Ci.-S.	Cu. NE	9	Ci.-S.	Cu. NE
20	S	SE	ENE	NE	E	NE	11.8	31.1	56.3	27.9	127.1	8	A.-Cu. E	N.	8	Ci.-S. NE	Cu. NE
21	NNE	NE	NNE	N	NE	SW	14.2	61	41.3	15.8	132.3	9	Ci.-S.	N. E	10	Ci.-S.	Fr.-N. N
22	NE	NE	NE	NNE	SSW	WNW	28.7	42.9	31.1	52.1	154.8	10	Ci.-S.	Fr.-N. NE	10	Ci.-S.	N. N
23	SW	S	SE	W	ENE	SW	58.4	45.1	41.6	12.9	158	8	Ci.-S. SW	N. SW	10	Ci.-S.	Fr.-N. SW
24	SSW	SE	S	SSW	SW	SSE	20.7	58.9	28.4	11.8	119.8	4	Ci.-Cu. S	Cu. SW	9	Ci.-S.	N. SW
25	SSW	SSW	S	N	SE	WSW	7.8	54.4	59.2	16.6	138	2	----------	Cu.	7	Ci.	Cu.-N. SW
26	SSW	S	S	S	S	SE	12.6	43.7	33.3	16.3	105.9	6	A.-Cu. S	Cu. SW	10	----------	N. S
27	SW	NW	SW	N	S	S	10.7	45.4	44.9	13.9	114.9	7	Ci.-Cu. S	Cu. SW	7	Ci. N	Cu.-N. SW
28	SW	SW	N	NW	SE	S	10.3	41	54.9	9.5	115.7	8	Ci.-S. SW	Cu. SW	8	Ci.-S.	N. SW
29	SSW	SE	N	N	NNW	W	5.4	29.2	72.9	32.8	140.3	5	Ci.	Cu.	6	Ci.	Cu. SW
30	SSW	Calm	SSW	NNW	W	SSW	7.5	14.7	47	12.1	81.3	7	Ci.	Cu.-N. E	6	Ci.-S.	Cu. NW
Mean	------	------	------	------	------	------	22	46	55.7	21.7	142	7.1	----------	----------	6.5	----------	----------

CAPIZ.

[ϕ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6 meters; gravity correction not applied, —1.81 mm.]

MAY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.96	58.97	60.10	57.99	57.94	59.88	25.3	25	31.6	31.4	28.3	26	33.4	24.8	95	96	72	70	80	92	0.6
2	58.52	58.93	59.50	57.34	57.68	58.73	26	24	28.6	30.2	27.4	25.9	32.4	23.9	89	96	78	72	77	90	22
3	57.43	58.09	58.89	57.07	57.62	59.50	25.6	24	30.1	30	27.8	27	32	23.8	84	97	74	75	80	88	1
4	58.50	59.09	60.05	58.31	59.04	61.59	24	23.7	28.3	31.5	26.5	22.4	32.8	21.9	98	98	87	70	88	96	46.9
5	60.89	60.44	61.20	58.93	59.32	61.37	22.4	22.5	28.6	31	25.1	24	33	22	96	99	75	70	92	97	30.5
6	60.14	60.34	60.96	58.01	58.82	60.29	23.5	23.6	30	31.4	25.1	24	33.4	23.4	99	97	72	70	88	96	51.1
7	59.92	60.06	60.75	58.02	59.22	61.03	24	24.4	29.3	30.7	24.9	23.5	32.9	23.3	94	97	77	78	93	93	2
8	59.31	59.41	59.74	57.05	58.12	60.50	23	23	30.6	31.1	27.4	23.8	33.8	23	97	98	72	74	81	96	32.2
9	59.13	59.59	60.34	58.06	58.32	60.22	24.3	24.2	31.6	29.2	28.3	25.4	33.6	24.2	97	97	70	76	79	93	9.1
10	59.07	59.53	60.50	57.87	58.44	59.86	25.2	25.2	28.8	29.8	28.7	26.2	33.2	25	93	94	79	70	78	91	------
11	58.57	58.62	59.75	56.95	57.59	59.02	25.4	24.9	31.2	31.5	28.8	27.4	33.7	24.8	94	97	75	66	79	86	------
12	58.66	58.48	58.96	56.92	57.10	58.96	26.9	26.8	29.5	30.5	28.5	26.5	34.1	24.8	85	89	78	73	85	82	13.7
13	58.22	58.89	59.51	57.40	57.06	58.87	24.8	24	30.2	31.3	28.1	26.5	33.8	23.9	92	97	74	70	80	88	1
14	58.16	57.52	59.02	57.96	58.24	59.54	24.8	25.6	25.8	26.9	24.8	23.3	29.6	23	93	95	93	92	91	98	52.9
15	58.89	58.82	59.06	57.02	57.47	59.28	23.2	23	28.8	30.5	28.9	25.5	32.7	22.8	97	97	81	72	78	92	13.7
16	58.73	59.06	60.18	57.90	57.38	59.24	23.4	23.2	26.7	29.3	27.8	25.4	31.4	23.2	97	98	90	73	84	93	1.3
17	58.14	58.65	59.12	56.90	57.02	58.64	24.2	23.2	30	31.6	28.8	25.4	33.3	23.1	94	98	75	70	73	93	------
18	57.73	57.91	58.20	56.16	56.57	58.49	24.2	23.3	30.7	30.7	28.9	25.6	33.8	23.3	97	97	72	72	75	93	------
19	58	58.06	58.10	56.30	57.21	59.08	24.5	24.2	30.7	31.5	27.5	25.2	33.5	24.1	96	96	72	69	84	94	3.3
20	57.99	57.88	59.05	56.74	57.74	59.39	24.1	23.6	26.6	31.3	28.6	24.3	33.5	23.6	97	98	90	68	80	89	------
21	58.66	58.55	58.50	56.45	56.99	58.83	24	23.7	29	31.7	28.4	25.5	33.7	23.6	97	97	83	72	82	85	------
22	58.07	58.06	57.91	56.19	56.49	58.37	24.5	24.8	31	32.2	29.5	27	34.8	24.4	96	97	76	71	75	87	------
23	57	57.30	58.09	55.90	55.73	58.08	25.4	24.1	31.7	32.6	29.2	26	34.4	24.1	93	97	72	64	74	88	1
24	56.61	56.62	57.61	55.57	55.51	58.06	26.5	26.2	31.2	32.3	29.1	27.7	34.7	26	86	92	71	70	81	88	------
25	57.04	57.55	58.57	56.29	56.96	58.93	26.4	25.2	31.1	32.7	29.3	25.6	34.8	25.1	91	96	75	68	80	90	3.8
26	57.89	57.42	58.67	57.59	57.19	59.18	25	24.5	29.5	31	28.3	26.2	34.4	24.3	93	97	79	64	85	92	6.9
27	58.64	58.40	58.94	56.57	56.49	58.80	25.3	24.8	30.5	32.7	29.3	26.8	35.4	24.6	93	94	75	72	81	91	.3
28	57.67	58.07	57.91	55.99	55.90	58.02	25.2	25	32	32.5	29.5	26.6	34.2	24.9	97	96	76	69	79	91	------
29	56.94	57.13	57.85	56.28	56.59	58.08	25.5	24.1	32	31.7	29.7	26.8	34.2	24.1	93	97	70	72	73	90	------
30	57	57.42	58.15	56.13	57.46	58.86	24.9	24.1	32.2	32.1	29.7	27.2	34.5	24	92	96	65	64	76	89	12.2
31	57.79	57.64	58.16	57.15	57.37	58.86	24.8	24.6	29	33.3	29.3	26.7	34.8	24.4	95	96	83	64	80	90	13.5
Mean	58.33	58.47	59.14	57.06	57.44	59.28	24.7	24.3	29.9	31.2	28.1	25.7	33.5	23.9	93.9	96.3	76.8	71	81	91	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	319

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1	SSW	SSE	N	N	Calm	Calm	8.9	45.3	52.3	6.9	113.4	8	Ci.	N.-cf. N	7	Ci.	Cu. N
2	E	NE	NW	NW	NNW	NNW	8.9	48.6	74	53.3	184.8	5	Ci.	Cu. NE	9	Ci.-S.	Cu. NW
3	N	SW	N	NE	N	ESE	57.6	50.1	61.5	47	216.2	8	Ci.-S.	Cu. SW	8	Ci.-S.	Cu. NE
4	SSW	WNW	N	WNW	W	SE	16.1	23.8	44	26	109.9	8	Ci.-S.	N.-cf. NE	8	A.-Cu.	N. NW
5	S	SW	NE	ENE	WSW	Calm	10.3	27.2	45.9	8.2	91.6	7	Ci. S	Cu. S	8	Ci.-S.	N. SE
6	SSW	SW	W	NNW	S	SSE	10.5	24.7	41.6	25.2	102	6	Ci.	Cu. SW	7	Ci.	Cu. NW
7	S	SSE	N	N	S	SSE	16.7	24.9	46.4	11.5	99.5	10	----------	N.	9	Ci.-S.	N. N
8	S	S	E	NE	SW	NE	8	29.5	50.1	21.9	109.5	8	Ci.	Cu.	7	Ci.	Cu. SE
9	SE	SE	SE	SW	NNW	SE	10.3	31.9	33.3	7.7	83.2	8	Ci.-S.	S.-Cu.	7	Ci.-S.	Cu. SW
10	W	SW	NW	N	NE	SW	16.7	32	39.7	5.1	93.5	7	Ci.-S. NW	Cu. N	8	Ci.-S.	Cu.
11	SW	SSW	NE	NE	N	NE	11.3	36	44.8	14.2	106.3	6	Ci.	Fr.-Cu. sw	4	Ci.	Cu.
12	NE	NE	NE	NE	NE	SE	30.6	58.7	50.9	12.4	152.6	8	Ci.	N.-cf. NE	8	Ci.-S.	Cu.
13	NE	SW	NE	NE	E	SE	23	48.3	60.4	10.3	142	10	Ci.-S.	N.-cf. NE	8	Ci.-S.	Cu. NE
14	SE	SE	SE	SW	SSW	S	7.4	23.9	22.7	21.7	75.7	8	Ci.-S.	N.-cf. E	9	Ci.-S.	N.
15	S	S	NE	E	E	SW	13.1	16.9	43.7	7.4	81.1	8	Ci.-S. E	N.	6	Ci.	Cu.
16	SSW	SW	ESE	NE	S	SW	12.4	10.5	38.9	11.5	73.3	10	----------	N.	9	Ci.-S.	Cu.
17	SW	SW	NE	NE	N	SW	5.4	29.5	49.7	5.6	90.2	4	Ci.	Cu. NE	4	Ci.	Cu. NE
18	SW	SW	NE	NE	E	ESE	6.6	33.8	47.3	5.3	93	5	Ci.	Cu. NE	7	A.-Cu.	Cu. NE
19	SE	SSW	SE	NE	W	SE	12.1	28.4	53.7	18.8	113	8	Ci.	S.-Cu.	4	Ci.	Cu. NE
20	E	NE	NE	N	NW	SE	9.4	19.5	31.9	23.8	84.6	8	Ci.-S.	N. NE	7	Ci.-S.	Cu. E
21	SE	SE	NE	NE	W	SSW	9.9	26.9	45.1	11.8	93.7	6	Ci.	Cu.	6	Ci.	Cu. NE
22	SW	SSW	NE	NE	E	S	12.7	40.8	59.2	4.5	117.2	8	Ci.-S.	N.-cf. NE	2	Ci.	Cu.
23	Calm	ESE	NE	ENE	E	W	2.9	43.7	60.2	5.6	112.4	8	Ci.	Cu. SE	3	Ci.	Cu. E
24	NE	SE	E	NE	E	SW	18.5	49.1	67.3	9.9	144.8	7	Ci.	N.-cf. NE	4	Ci.	Cu. E
25	SW	SW	NE	E	SW	SSE	14.5	29.6	51.8	12.9	108.8	7	Ci.	Cu.	5	Ci.	Cu. E
26	WSW	WSW	NNW	SW	S	SW	8.9	20.4	33.8	9.2	72.3	7	Ci.	Cu. NE	10	Ci.-S.	N. SW
27	SW	S	NE	NE	E	SSW	15.9	25.1	47.2	4	92.2	9	Ci.-S.	N.	8	Ci.	Cu. NE
28	S	SSE	S	N	NNE	SSW	8.9	23.8	47.3	6.1	86.1	8	Ci.	N.-cf. NE	7	Ci.	cu.-N. NW
29	S	SSW	ESE	NNW	WNW	Calm	8.5	29.6	51	7	96.1	8	Ci.	Cu.	7	Ci.	Cu. NW
30	Calm	SE	NW	N	NNW	S	4.3	26.8	47.8	8	86.9	2	Ci.	Cu.	6	Ci.-S.	Cu. N
31	NE	SSE	E	E	Calm	SSW	27.1	29.3	37.6	9.9	103.9	5	Ci.	Cu.	8	Ci.	N.-cf. E
Mean	------	------	------	------	------	------	13.8	31.9	47.8	14	107.4	7.3	----------	----------	6.8	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	3,329.8	----	----------	----------	----	----------	----------

CAPIZ.

[ϕ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6 meters; gravity correction not applied, —1.81 mm.]

JUNE, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.67	58.73	59.64	57.12	57.87	60.01	24	24.4	28.9	32.4	29.1	24.2	34.4	23.6	98	98	82	67	74	96	6.7
2	59.71	59.30	60.67	58.59	58.24	59.56	24	23.7	29	30.1	28.6	26.3	32.6	23.6	97	98	83	75	83	91	------
3	59.27	59.06	59.95	58.65	59.15	61.03	25	23.9	30.4	31.2	27.4	24	34.2	23.4	96	97	77	69	83	96	9.2
4	60.09	59.60	60.12	58.69	58.40	60.28	23.2	22.9	29.9	31.5	29.1	26.5	33.5	22.9	98	97	80	69	78	90	10.4
5	59.09	59.14	59.35	56.95	57.81	59.91	24	23.4	30	31.7	29	25	33.9	23.3	98	97	77	65	78	93	15.3
6	58.50	58.76	58.67	56.85	57.14	58.64	24.6	24.3	30.7	31.6	28.9	25.3	33.2	24	97	97	75	72	78	93	19.8
7	57.43	58.10	58.70	56.19	57.01	58.82	25.8	24.9	30.2	32.5	28.8	26.5	34	24.6	88	97	78	71	79	91	47.3
8	58.27	57.84	58.49	56.79	56.55	58.77	24.6	24.2	31.1	31.5	29.7	27.4	34	24	97	98	76	70	73	84	13.7
9	58.12	58.06	59.45	57.77	57.57	59.93	24.2	24	31	29.2	29	27	33.8	24	98	97	72	83	83	91	4.8
10	59.14	59.32	60.32	58.23	57.91	59.52	25	24.5	30.9	31.6	29.8	27.5	33.7	24.5	92	89	76	68	76	87	14.2
11	58.98	58.97	59.59	57.72	58.01	58.96	25.2	24.9	31.4	32	29.8	27	33.8	24.8	97	98	73	69	77	92	3.6
12	58.24	58.62	59.15	57.40	57.43	58.96	26.2	24.5	29	29.7	28.5	25.2	33	24.5	91	96	83	77	81	98	11.2
13	58.47	58.23	59	57.61	58.72	60.68	24.8	24.5	31.6	30.2	25.3	24.7	33.7	24.3	98	96	68	78	94	93	32.6
14	59.14	60.07	60.21	59.08	58.60	60.35	24.3	24	29.7	30.2	28.4	25.4	33.4	24	95	97	70	74	82	92	------
15	60.02	60.27	60.28	58.27	57.96	59.82	24.8	24.2	31.2	32.9	29.9	27.1	35.3	24.1	87	87	64	58	77	88	------
16	58.37	58.17	59	57.30	57.38	58.20	26.1	24.7	29.2	31.4	26.6	25.3	34.2	24.7	87	93	70	65	83	89	------
17	57.28	57.10	57	55.65	55.50	57.29	24.2	23.9	31.7	31.1	27.4	25.3	34.5	23.5	97	98	64	62	77	88	------
18	56.87	56.24	57.07	55.60	56.45	58.87	24.4	24.4	30.4	30.2	27.2	24.4	32.2	24.2	92	91	70	71	82	95	5.4
19	57.53	57.79	58.04	57.72	57.79	58.25	24.2	24.2	28.5	27.8	25	24	32.8	23.6	96	95	77	80	93	85	8.9
20	58.26	58.45	59.05	56.97	57.70	59.19	23.4	24	29.8	29.9	28.4	25.7	32.5	23.4	97	96	67	75	82	93	------
21	58.84	60.02	60.62	58.03	58.99	60.45	24.9	24	31.4	31.9	28.6	24.9	34.2	23.7	93	93	67	69	83	89	------
22	59.72	60.62	61.40	59.65	59.89	61.86	24.2	23.5	31.2	30.9	29.3	26.1	33.9	23.4	93	96	71	70	78	92	.8
23	60.79	60.97	61.09	59.28	59.55	60.21	24.8	24.4	31.7	31.7	29	25.6	33.9	24.2	92	94	64	71	75	90	------
24	59.52	59.19	60.09	58.69	58.01	59.18	24.9	23.5	30.2	31.1	29.4	25.3	34.2	23.3	88	96	70	69	76	89	------
25	58.24	57.74	58.62	56.39	56.79	58.38	24.3	24.5	31.5	30.8	26.7	24.8	34	24.3	94	93	65	71	87	95	.3
26	58.23	58.55	57.78	56.61	56.96	58.59	24.8	23.5	29.2	31.1	28.7	25	32.8	23.4	90	96	74	65	80	92	.5
27	58.14	58.05	58.20	56.92	57.48	58.74	24.4	23.6	30.8	29.9	26.7	25.5	34.4	23.5	92	97	72	72	85	92	------
28	58.23	58.59	58.70	56.70	57.39	58.59	24.5	24	29.5	31.8	26.3	24.1	34.2	23.8	95	96	78	71	83	92	------
29	57.99	58.01	58.19	56.37	55.90	56.24	23.4	22.7	27.5	30.7	28.4	25.2	32.6	22.7	95	98	85	68	81	94	------
30	55.97	55.96	55.94	54.88	54.90	56.33	24.2	24.5	27.2	26.5	24.2	23.5	28.8	23.3	98	95	84	86	94	96	11.7
Mean	58.57	58.65	59.15	57.42	57.64	59.19	24.5	24.1	30.2	30.8	28.1	25.5	33.5	23.8	94.2	95.5	73.7	71	81.2	91.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	216.4

Day.	Wind. Direction.						Wind. Total movement in 6 hours.				Wind. Total movement in 24 hours.	Clouds. 6 a. m.			Clouds. 2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	SW	ESE	SE	SE	Calm	13.7	25.1	42.1	25.9	106.8	8	Ci.-S.	Cu.	8	Ci.-S.	N.-cf. SE
2	S	Calm	NE	NNE	E	Calm	12.6	19	30	8.3	69.9	10	Ci.-S.	Cu.	9	Ci.-S.	N.-cf. E
3	Calm	Calm	NE	N	S	SSE	2.4	34.3	34.4	28.8	99.9	6	Ci.	Cu.	8	Ci.-S.	N. NE
4	Calm	SSW	NE	NE	Calm	N	8	30.6	43.1	12.9	94.6	8	A.-Cu.	Cu.	8	Ci.-S.	Cu. NE
5	SSW	S	NE	NE	NE	SSE	11.9	33.3	55.8	17.2	118.2	8	Ci.-S.	Cu.	8	Ci.-S.	Cu.
6	SSE	Calm	NE	NE	NE	SSW	11	39.1	49.9	13.9	113.9	8	Ci.	Cu. NE	8	Ci.-S	N. NE
7	Calm	SW	NE	NE	ENE	E	12.4	31.1	55.8	15.1	114.4	8	Ci.	N.-cf. E	4	Ci.	Cu. NE
8	SW	NE	NE	NE	SSE	ENE	19.1	39.7	36.2	18.8	113.8	8	Ci.	N.-cf. NE	8	Ci.-S.	N. E
9	SSW	E	WSW	SW	Calm	SW	8.2	22	22	10	62.2	5	Ci.	Cu.	8	Ci.	N.
10	SSW	S	N	NE	N	SSW	10.3	31.1	46.4	18.7	106.5	6	Ci.	Cu. NE	4	Ci.	Cu. NE
11	SE	SW	NE	NNE	NE	NE	21.7	36.8	49.9	15.3	123.7	8	Ci.	N.-cf. NE	7	Ci.	Cu. E
12	SE	SW	NW	S	S	Calm	21.1	24.7	24.7	14.5	85	9	Ci.-S.	N.	9	Ci.-S.	N.
13	SSE	SSE	S	W	E	S	15.1	64.1	37.6	26.9	143.7	8	Ci.-S.	Cu.	10	Ci.-S.	N. W
14	SSE	W	NNE	NNW	S	S	29.2	27.1	52.1	15.1	123.5	9	A.-Cu.	N.	8	Ci.-S.	N. NE
15	Calm	W	NW	WNW	NW	SSE	11.9	41	78.7	17.7	149.3	7	Ci.	Cu. W	5	Ci.	Cu.
16	SE	S	NW	WNW	S	S	14	41.5	80	22	157.5	8	Ci.	Cu.	9	Ci.-S.	N. NW
17	S	S	SW	WSW	E	SE	15.1	36.8	69.2	22.2	143.3	9	Ci.-S.	N.	8	Ci.-S.	Fr.-N. SW
18	SSW	S	SE	SSE	S	S	20.3	42.1	57.3	23.5	143.2	9	Ci.-S.	N.	10	Ci.-S.	N. SW
19	SSW	S	S	W	SSW	SSW	50.9	47.3	39.7	41.3	179.2	10	Ci.-S.	N.	10	Ci.-S.	N. W
20	S	SE	S	SSW	Calm	SSE	29.2	71.6	39.7	14.3	154.8	8	Ci.-S.	Cu.	9	Ci.-S.	N.
21	SSE	SSE	SE	NE	NNW	SE	25.7	33.5	40.8	24.1	124.1	8	Ci.	Cu.	9	Ci.-S.	Fr.-N.
22	SE	SE	N	SE	NNW	SW	13.1	26.4	30.6	8.9	79	8	Ci. E	Cu.	6	Ci.	Cu. SE
23	S	SSW	NW	NW	W	S	12.6	31.2	41.6	10.3	95.7	8	A.-Cu. SW	Cu.	8	Ci.-S.	Cu. NW
24	Calm	SE	SSE	NW	NW	SSE	6.2	25.4	48.1	13.9	93.6	8	Ci.	Cu.	8	Ci.	Cu.
25	S	Calm	S	NNW	SSE	S	15.3	29.5	62.6	22.2	129.6	8	Ci. NE	Cu.	8	Ci.-S.	N. SW
26	S	SSE	SW	SSW	SSE	SSE	34.6	33.3	36.2	23	127.1	10	Ci.-S.	N.	8	Ci.-S.	N.-cf. SW
27	SSE	SW	S	S	NE	S	11	44	37.6	8.3	100.9	8	Ci.	Cu.	9	Ci.-S.	N. S
28	SSE	SSE	SSW	SSE	W	Calm	8.9	24.9	39.9	11.5	85.2	9	A.-Cu. S	N.	9	Ci.-S.	N. S
29	S	Calm	SSE	W	Calm	Calm	6.9	17.9	26.8	9.2	60.8	8	Ci.-S. NE	Cu.	10	Ci.-S.	Cu.
30	SW	SW	SW	SW	SW	SW	11.8	20.3	40.2	31.1	103.4	10	Ci.-S.	N.	10	Ci.-S.	N.
Mean	------	------	------	------	------	------	16.1	34.2	45	18.2	113.4	8.2	----------	----------	8.1	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	3,402.8	----	----------	----------	----	----------	----------

CAPIZ.

[ϕ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6 meters; gravity correction not applied, —1.81 mm.]

JULY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	55.71	55.97	56.24	54.97	55.73	57.06	22.8	22.7	24.8	25.9	24.1	24.1	27.5	22.6	97	98	89	88	92	91	4.3
2	57.04	56.93	58.59	58.59	58.47	60.02	24.6	24.7	28.5	27.4	25.7	24.6	29.7	23.7	88	91	78	82	90	92	11.9
3	58.99	59.21	59.56	57.85	59.33	60.08	24.1	22.9	30.7	32	26	24.6	33.8	22.9	92	97	77	67	84	92	------
4	59.19	59.55	59.40	57.60	58.09	59	23.8	23.5	30.3	31.4	28.2	27.7	33.2	23.3	97	96	75	71	85	79	28.2
5	59.27	59.77	59.28	58.07	58.08	59.39	24	23.6	26.5	29.1	27.4	25.2	31.9	23.4	98	96	90	80	85	91	8.9
6	58.70	58.79	59.37	57.33	57.65	59.08	24	24.3	26	29.9	27.7	25.4	32	24	98	97	96	73	83	94	42.4
7	59.04	58.69	59.01	57.06	57.71	59.57	24.4	24.4	30.6	31	28.7	25.3	33.2	24.2	97	97	78	75	78	93	------
8	59.29	58.49	59.25	57.31	57.77	59.43	24.2	24	30.9	29.1	25	24.2	33.9	23.7	97	96	67	84	97	96	52.4
9	58.63	58.41	59.30	57.60	57.88	59.60	23.4	23	30.5	31.2	25.9	25	33.4	22.8	97	97	69	70	87	92	------
10	58.87	58.65	59.17	57.49	58.08	59.52	24.4	24.4	31.2	31.7	26.8	24.6	34.2	24.3	95	94	64	66	76	94	------
11	58.30	59.09	59.45	56.93	58	59.37	24.2	23.8	30.8	32.2	28	25.6	34.2	23.7	97	96	65	64	79	89	------
12	58.97	59.16	58.83	57.62	57.06	57.80	24.4	24.1	26.3	29.2	26.6	24.5	31.2	24.1	95	94	87	75	78	92	10.5
13	57.09	57.25	56.72	55.82	54.95	56.40	24.3	24.2	25.8	25.7	25.7	24.8	28.4	23.7	89	88	83	85	79	91	2.1
14	55.79	54.91	55.03	54.07	54.38	55.75	23.2	23.2	28.3	25	26.2	24.5	30.7	23	95	94	70	87	75	83	3.9
15	55.20	54.85	55.79	54.94	54.94	57.14	26.1	26	31	32.2	28.9	25.1	34.1	24.3	81	80	58	53	65	88	------
16	56.07	56.08	59.13	55.45	55.70	57.84	25.5	26.4	23.8	30.9	28.7	26	33.2	23.7	84	76	93	67	76	88	4.1
17	56.80	56.97	57.67	55.94	56.36	58.22	25.2	25.1	31.4	33.3	28.2	24.5	35.7	24.4	92	91	66	60	81	95	3.8
18	57.39	56.90	57.02	55.69	56.01	57.82	24.2	23.2	29.5	31.9	26.7	24.3	33.8	23.1	90	93	72	61	80	89	.3
19	56.96	57	57.36	55.84	56.58	58.52	24.5	24.1	29.7	32.2	26.5	23.7	33.9	23.4	89	93	73	58	90	96	29.7
20	56.99	56.95	57.92	57	57.19	58.70	23.5	23.2	29.3	29.3	26.1	24	33.8	23.1	97	98	74	75	81	97	1.8
21	56.39	56.38	56.53	56.36	55.64	56.99	23.6	23.5	31	26.1	25.9	24.5	32.8	23.4	95	94	63	86	85	92	.3
22	55.12	55.23	55.80	53.98	53.87	55.48	24.5	25	29.1	32.2	28.3	26.5	33.8	23.5	94	92	75	64	70	84	4.8
23	55.27	54.62	54.88	53.94	54.48	55.91	25.5	23.7	29	30.6	27.9	26.5	33.3	23.7	88	95	71	71	80	87	8.2
24	55.54	55.23	55.37	53.85	54.46	55.38	24.8	23.6	29	31.1	28.3	26.7	32.2	23.5	93	96	72	67	76	83	.5
25	54.97	54.92	54.65	54.01	54.87	56.64	25.2	25.1	32	30.1	28.6	25.7	34.8	24.9	90	87	66	65	81	89	------
26	55.23	55.53	55.66	54.55	55.43	57.27	24.6	24.2	32	32.3	29	26.2	34.2	24.1	91	91	66	66	81	85	.3
27	57.07	57.16	57.94	56.80	57.35	58.76	25.5	24.4	31.5	32.2	28.2	26.4	34.7	24	88	92	67	66	79	93	------
28	58.18	57.54	58.81	57.32	57.64	58.14	25.8	25.3	27.2	27.3	26.6	25.1	28.5	24.4	95	98	91	90	91	97	2.8
29	57.92	57.01	57.66	56.50	56.16	57.52	24.2	23.7	27.7	29.8	26.6	24.5	31	23.7	97	98	84	79	88	92	------
30	57.18	57.04	57.62	56	56.39	57.70	24.2	24	27	30.3	26.5	25.4	32.3	23.9	93	93	80	70	89	91	------
31	56.96	56.34	56.52	55.65	55.53	56.97	24.1	23.8	29.7	29.6	26.5	24.8	31.3	23.8	95	94	71	72	87	88	1
Mean	57.23	57.12	57.60	56.20	56.51	57.97	24.4	24.1	29.1	30.1	27.1	25.2	32.6	23.7	93	93.3	75.2	72.2	82.2	90.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	222.2

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	SW	SW	SSW	S	S	34.1	35.7	52.3	74.5	196.6	10	----------	N.	10	Ci.-S.	N. SW
2	S	S	S	SSW	Calm	S	75.3	81.5	40.8	25.5	223.1	10	Ci-S.	N. S	10	Ci.-S.	Fr.-N. S
3	SE	SE	SE	E	NW	S	24.4	28	69.8	23.8	146	9	Ci.-S.	N. SE	8	Ci.	Cu. E
4	SE	SE	NE	NE	NNW	NNW	6.4	25.4	36.4	30	98.2	7	Ci. NE	N.	8	Ci.-S.	Cu. NE
5	N	N	NW	N	NW	SW	34.6	25.2	33.2	17.7	110.7	10	----------	N.	8	Ci.-S.	N.-cf. N
6	NE	SW	NE	NNE	Calm	NW	21.5	18	29.2	8	76.7	8	Ci.-S.	N. NE	8	Ci.-S.	Cu.-N. NE
7	NNE	SW	NW	NE	NNW	S	17.1	27.7	41.6	17.4	103.8	9	Ci.-S.	N.	7	Ci.	Cu. NE
8	S	SE	S	NE	W	SSE	13.1	31.2	36	11.8	92.1	8	Ci.-S.	Cu.	9	Ci.-S.	N. S
9	SSE	Calm	SW	N	SSE	S	8.7	28.4	47.8	18.2	103.1	4	Ci.	Cu.	2	Ci.	Cu.-N. SW
10	SSE	Calm	W	NNW	SSW	Calm	18.7	29.6	59.5	8	115.8	8	Ci.	S.-Cu.	8	Ci.	Cu. W
11	Calm	S	NE	WNW	SE	W	16.1	30.6	38.6	24.7	110	8	Ci.-S.	Cu.	7	Ci.	Cu.
12	S	Calm	SSE	W	SW	SW	11	15.8	54.1	23.1	104	10	Ci.-S.	N.	10	Ci.-S.	N.
13	W	W	W	W	SSW	SW	47.8	69.7	92.2	42.3	252	10	Ci.-S.	N. W	10	Ci.-S.	N. W
14	SSW	SSE	SSW	SW	SW	SSW	37.8	57.7	60.9	43.8	200.2	10	Ci.-S.	N.	10	Ci.-S.	N. SW
15	SSW	S	S	SSW	SSW	SW	78.9	99.8	99.8	28.4	306.9	8	Ci.	Cu. SW	9	Ci.-S.	Cu. SW
16	SSW	SSW	SW	S	SSW	S	40.5	69.8	59.2	21.7	191.2	9	Ci.-S.	N. SW	9	Ci.-S.	Cu. S
17	SSE	SSE	SSW	N	S	SW	35.9	40.5	43.5	53.1	173	8	Ci.	Cu. SW	8	Ci.	N. W
18	SSE	SSW	SSE	NW	WNW	S	27.4	38.6	64.1	38	168.1	8	Ci.	N.	8	Ci.-S.	N. SW
19	SSE	SSE	SW	SW	SSE	SSE	16.1	19.9	27.4	14.8	78.2	9	Ci.-S.	N.	8	Ci.-S.	N. SW
20	NE	Calm	SW	WNW	SW	ESE	11	21.5	59.5	23.1	115.1	9	A.-Cu.	N.	10	Ci.-S. NW	N. SW
21	SSW	SSE	S	WNW	SW	SSE	18.5	22.3	63.9	10.2	114.9	8	A.-Cu.	N. SW	10	Ci.-S.	Fr.-N. NW
22	SW	SW	SW	NNW	S	S	20.9	26.6	33	29	109.5	10	Ci.-S.	N. SW	8	Ci.-S.	Cu. SW
23	SSE	S	SW	SW	S	S	28.4	48.9	65.4	37	179.7	10	Ci.-S.	N.	10	Ci.-S.	Fr.-N. SW
24	S	S	S	S	SW	S	26.9	75.4	83.9	65	251.2	10	Ci.-S.	N. SW	10	Ci.-S.	N.
25	S	SSW	SSW	SSW	SSW	S	57.9	92.2	88.5	41.2	279.8	9	Ci.-S.	N.	10	Ci.-S.	Fr.-N. SW
26	S	S	SW	W	SE	S	29.8	46.7	38.4	29.6	144.5	8	Ci.-S.	N. SW	8	A.-Cu. S	Cu.-N. SW
27	SE	SE	SW	N	S	SW	27.4	34.1	47	11	119.5	4	Ci.	S.	8	Ci.	Cu. N
28	SE	SE	SSE	SW	Calm	SW	9.7	15.8	14.8	8.7	49	10	Ci.-S.	N.	10	Ci.-S.	N.
29	SW	SE	SW	NW	SE	SW	9.7	16.1	38.3	22.8	86.9	9	Ci.-S.	N.	10	Ci.-S.	Cu. NW
30	S	SW	S	NW	E	SSW	24.7	26.4	40.4	17.4	108.9	10	Ci.-S.	N. SW	9	Ci.-S.	N.-cf. NW
31	S	S	S	SW	SE	S	22.2	39.4	45.9	34.3	141.8	10	Ci.-S.	N.	10	Ci.-S.	N. SW
Mean	------	------	------	------	------	------	27.5	40	51.8	27.6	146.8	8.7	----------	----------	8.7	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	4,550.5	----	----------	----------	----	----------	----------

CAPIZ.

[ϕ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6 meters; gravity correction not applied, —1.81 mm.]

AUGUST, 1911.

Day.	Atmospheric pressure, 700.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	56.64	55.95	55.61	54.71	56.11	57.58	24.3	24.2	31.7	34	28.2	26.5	35	24	91	87	65	54	79	88	------
2	57.28	56.85	57.17	56.28	56.22	57.87	25.1	24.6	31.3	26.1	28.2	26.1	32.6	24.5	91	91	67	93	83	87	15.5
3	57.47	57.03	57.37	55.98	56.17	58.48	25.2	25.2	31.7	29.8	29.5	26.1	35	25.1	92	90	65	79	76	90	------
4	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
5	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
6	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
7	58.19	58.19	58.21	56.64	56.94	58.08	23.2	23	32	31.3	29	26	33.4	23	95	97	63	68	68	84	------
8	56.57	56.53	56.57	54.88	55.02	56.42	25	24.6	31.3	33.2	29	27.4	35.2	24.5	92	95	64	55	71	77	------
9	55.45	55.53	55.56	53.87	54.04	55.66	25	24.3	32.2	32.7	29.2	26	35.3	24.2	92	91	57	61	68	87	------
10	54.56	54.66	55.36	53.94	54.94	55.84	24.3	24.1	31.3	29.7	26.4	24.1	33.2	23.4	97	94	64	66	81	88	------
11	55.54	55.35	55.90	54.64	55.16	56.64	24.2	24.9	30	31.1	27.1	26	34.8	23.5	97	92	69	68	80	88	------
12	56.27	56.19	56.90	56.62	56.74	57.89	25	24.3	29.6	24.5	25.7	24	33.4	23.6	93	93	74	92	91	92	12.5
13	57.35	56.31	56.83	54.96	55.37	57.24	23.3	22.8	29.9	29.4	28.8	24.7	32.9	22.6	94	93	72	74	76	93	6.6
14	56.14	56.04	57.15	55.79	57.12	59.07	24	24	32.2	29	26.7	25	33.2	23.4	97	96	62	69	80	88	2.3
15	59.03	59.36	59.21	57.91	58.50	59.97	24	23.7	30	31.5	28.2	25.4	33.9	23.6	91	91	67	63	80	93	------
16	59.77	59.69	59.71	57.90	58.72	60.12	24.4	23.7	31.2	31.1	28	25.2	33	23.7	96	97	68	69	79	92	------
17	59.13	59.25	59.76	57.30	57.77	59.19	24	23.5	29.1	30.2	26.1	24.5	33.8	23.1	97	93	71	75	80	86	------
18	57.94	57.03	58.09	56.42	56.58	58.55	24.2	24	27	28.2	26.5	22	29.8	21.9	88	91	84	80	90	96	21.9
19	57.26	57.40	58.22	56.35	57.07	58.09	22.4	22.6	27.2	29.7	27.3	25	30.8	21.8	95	96	72	63	76	91	------
20	57.60	57.59	58.06	56.13	56.73	59.03	24.2	24	29.1	31.4	27	24	33.6	23.8	91	92	71	66	74	91	------
21	58	57.89	58.42	56.93	56.94	58.52	23.8	23.2	29.2	27	25.8	24.2	32.3	23.1	90	90	70	80	79	91	.3
22	57.39	57.45	57.01	55.81	56.43	58.14	24	23.6	30.6	30.7	26	24.4	33.6	23.5	97	95	67	65	79	88	------
23	56.99	56.80	57.47	55.69	55.92	57.40	24	24.2	29.4	28.9	26.5	25.7	32.4	24	91	91	66	68	75	78	1.8
24	56.96	56.34	56.83	54.83	54.28	56.17	24.8	22.6	25.7	25	26.2	24.9	29.7	22.4	84	95	86	89	72	90	4.3
25	55.14	54.26	55.92	53.94	54.10	55.13	25.3	23.5	26.3	31.4	27.1	24.5	32.6	23.5	91	92	84	61	80	87	2.1
26	55.09	54.98	55.61	54.11	54.50	56.79	23.2	23	30.2	32.4	28.4	25.6	34	22.9	97	96	68	58	75	88	------
27	56.17	56.14	57.12	56.25	56.77	58.99	25	24.4	31	24.3	27	25	33.5	24.2	91	94	67	97	91	88	41.6
28	58.43	58.26	58.62	57.47	57.66	59.61	24.3	24.2	31.2	30.6	28	25.5	33.4	24.2	96	97	64	69	80	92	3.6
29	57.97	58.05	58.44	56.39	56.65	58.32	25.2	24.5	31.7	32	28.7	25.2	33.8	24.2	92	96	65	61	71	91	------
30	57.10	56.96	57.65	55.80	56.69	58.28	24.6	24.5	31.3	32.5	29	26	34.4	24.4	94	94	63	63	68	87	------
31	57	57.07	57.97	56.02	57.11	59.33	25.2	25	30.5	31.1	29	26	33.6	24.9	93	95	72	75	76	84	.5
Mean	57.09	56.90	57.38	55.84	56.29	57.94	24.3	23.9	30.1	30	27.6	25.2	33.3	23.6	93	93.4	68.8	70.8	77.8	88.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	113

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0-12		*0-12*		*0-12*		*0-12*		*0-12*		*0-12*	*0-10*			*0-10*			
1	S	1	S	1	SSW	2	SSW	2	S	2	S	1	9	Ci.-S.	N. SW	8	Ci.	N.-cf. SW	
2	Calm	----	SSW	2	SSW	2	SE	1	S	1	S	1	7	Ci.	S.	10	Ci.-S.	N. W	
3	S	2	S	2	SW	2	ENE	1	S	1	S	1	8	Ci.	S.	9	Ci.-S.	N. SW	
4	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	
5	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	
6	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	
7	SW	1	SW	1	SW	1	NNW	1	W	1	SSW	1	7	Ci.	S.	9	A.-Cu. N	Cu.	
8	SW	1	SW	1	W	2	W	3	W	1	SSW	1	8	Ci.-S.	N.	5	Ci.	Cu.	
9	SSW	1	SSW	1	WNW	1	W	3	W	2	SE	1	9	A.-Cu.	N.	7	Ci.	Cu.-N. W	
10	S	1	S	1	W	2	SW	1	S	2	S	1	9	Ci.-S.	N. W	10	Ci.-S.	N. SW	
11	S	1	S	1	S	2	N	1	SSE	1	S	2	10	Ci.-S.	Fr.-N. SW	10	Ci.-S.	Fr.-N. SW	
12	S	1	NE	1	S	1	SW	1	SW	1	S	1	8	Ci.	N.	10	----------	N.	
13	S	1	S	1	SW	2	SW	1	SSW	2	S	1	8	Ci.	N.	9	Ci.-S.	Fr.-N. SW	
14	S	1	S	2	SW	1	S	2	S	1	S	1	9	Ci.-S.	N.	10	Ci.-S.	Fr.-N. S	
15	S	1	SSW	1	NNW	1	NNW	1	SE	1	SE	1	8	Ci.	S.	8	Ci.	Cu. SW	
16	SE	1	SW	1	N	1	N	1	S	1	WSW	1	8	Ci.-S.	N.	8	Ci.-S.	Cu.	
17	Calm	----	Calm	----	S	1	N	1	SSE	1	Calm	----	7	Ci.	S.-Cu.	8	Ci.-S.	N.-cf. N	
18	Calm	----	SSE	1	SSE	1	SE	1	ESE	1	S	1	9	Ci.-S.	N.	10	Ci.-S.	N.	
19	SSW	1	SSW	1	SSW	1	WNW	1	S	1	S	1	10	Ci.-S.	N. WNW	10	Ci.-S.	N. NW	
20	S	1	S	1	N	1	NW	2	NNW	1	SE	1	9	A.-Cu.	N.	8	Ci.	Cu.-N. W	
21	S	1	S	1	NW	1	SW	1	SW	1	Calm	----	4	Ci.	Cu.	10	Ci.-S.	N.	
22	S	1	S	1	WSW	2	NNW	2	S	1	SW	1	9	A.-Cu.	N. WSW	9	Ci.-S.	N.	
23	SW	1	SW	1	SW	1	WNW	1	WNW	2	W	1	10	Ci.-S.	N.	10	Ci.-S.	Fr.-N. WNW	
24	NW	1	NW	1	WSW	2	W	2	W	2	W	2	10	Ci.-S.	N. W	10	Ci.-S.	N. W	
25	S	1	S	2	W	1	SW	2	SW	1	SW	1	10	Ci.-S.	N. S	8	Ci.-S.	Cu. SW	
26	SW	1	SW	1	SSE	2	SW	2	S	2	S	1	9	Ci.-S.	N. SW	8	Ci.	Cu. SW	
27	S	1	S	1	SW	1	NNW	1	SE	1	SW	1	8	Ci.	Cu. N	10	----------	N. SW	
28	S	1	S	1	W	1	NNW	1	S	1	SSE	1	3	Ci.	Cu.	8	Ci.-S.	N. SW	
29	S	1	SW	1	N	1	W	3	W	1	Calm	----	3	Ci.	Cu. SW	3	Ci.	Cu. S	
30	S	1	SSW	1	S	1	W	2	SW	1	S	1	8	Ci.	Cu.	8	Ci.	Cu. SW	
31	S	1	S	1	SW	2	SW	1	S	1	S	1	9	Ci.-S.	N.	10	Ci.-S.	N. SW	
Mean	------	0.9	------	1.1	------	1.4	------	1.5	------	1.2	------	1	8.1	----------	----------	8.7	----------	----------	

Note: This station was temporarily closed from August 4 to 6.

CAPIZ.

[ϕ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6 meters; gravity correction not applied, −1.81 mm.]

SEPTEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.30	58.29	58.90	57.39	58.05	60.13	25.6	25.6	32	29.5	24.8	23.7	34.6	23.3	87	90	62	76	90	96	30.7
2	59.21	59.71	59.47	57.15	57.27	59.28	24.2	22.5	31.2	31.5	26.4	24.4	33.8	22.5	90	99	64	67	75	87	------
3	59.09	58.59	58.57	56.85	57.72	60.12	23.8	23	30.8	31.5	26.7	26	34	22.9	91	97	65	66	80	85	------
4	58.94	59.15	58.97	57.09	58.18	59.71	24.5	23	32	31.3	25.7	23	33.9	22.7	89	97	62	71	82	93	------
5	58.24	58.85	59.56	56.19	57.98	59.78	22.5	23	31.5	31.9	26.2	24	34.7	22.5	96	98	60	70	86	91	------
6	58.29	58.54	59.31	57.01	58.05	59.87	23.8	23.4	31	29.3	28.3	25.2	33.5	23.4	93	97	69	73	82	90	------
7	58.86	58.84	59.57	57.49	57.77	59.39	24.8	23.4	26.7	29.7	26.5	24.8	32.6	23.4	89	97	88	72	87	93	32.8
8	58.91	58.35	58.89	56.76	56.90	58.62	23.3	23.7	27.8	30	27.7	25	32	23	96	98	80	75	82	94	13.2
9	57.80	57.34	58.32	56.73	57.04	58.73	24	23.7	28.8	31	28.1	25.6	32.9	23.7	97	97	80	67	81	92	6.8
10	58.64	57.99	59.17	58.04	58.62	59.33	25	24.2	25.7	30.1	28.4	25.6	32.5	24.1	92	96	94	78	84	95	13
11	58.97	59.05	59.57	57.71	58.71	60.03	24.8	24	30.5	30.9	27.6	24.2	33.2	23.9	93	97	78	72	84	96	1.3
12	58.63	58.59	59.13	56.89	58.42	59.33	23.9	23.6	29.1	31.4	24.7	23.8	33.2	23.4	97	97	77	70	87	95	------
13	58.11	58.31	58.58	56.05	57.55	58.09	23.2	22.9	29.3	31.1	25.1	23.7	33.3	22.8	97	97	83	66	92	92	4.1
14	57.16	57.39	57.71	55.73	56.14	57.61	23.2	22.4	29.3	31.4	27.8	26.6	33	22.3	94	96	74	70	82	83	------
15	56.54	56.85	56.92	54.84	55.81	56.71	24.4	23.5	30.2	31.5	28.1	25.8	33.8	23.4	96	96	67	70	83	91	------
16	55.44	56.11	56.56	54.76	55.87	56.96	24.5	23.8	31	27.7	27.2	25.5	33.8	23.8	92	93	70	92	84	94	4.1
17	56.92	56.99	57.55	55.03	55.92	57.47	24.4	24	28.8	31.1	27.8	25.7	32.8	24	96	96	76	69	79	89	3.1
18	56.92	57.19	57.59	56.13	57.02	58.24	24.8	24.1	26.4	26.7	25.6	25	29.7	24.1	93	97	86	88	92	96	1.6
19	56.62	56.89	57.88	56.13	56.96	58.74	24.5	24	28.4	28.9	27	26	30.8	23.9	96	96	77	76	83	88	------
20	57.87	58.66	58.94	57.88	57.80	59.46	24.5	24	30.2	25.4	27.2	25.8	33	24	96	97	71	95	90	95	19.6
21	58.24	58.73	58.67	56.14	56.96	58.17	24.6	24.5	30.5	31.5	26.8	25.5	33.5	24.2	97	96	74	70	89	94	35.6
22	56.63	56.51	57.70	55.43	56.25	58.23	25.2	23	28.8	31.5	25.5	24	33.1	23	90	98	76	72	91	96	.6
23	57.66	57.54	58.22	56.76	57.50	59.03	24	23.8	30.8	29	25.9	24.2	32.2	23.7	95	96	71	79	88	96	------
24	58.11	58.35	59.50	56.81	57.81	58.57	23.5	23	30	31	26.7	25.5	33.2	22.9	96	97	70	70	84	93	------
25	57.77	57.93	57.97	56.29	56.30	56.61	25	24.6	31.2	31.5	27.7	26.7	33.3	24.6	93	95	71	71	82	83	------
26	55.37	55.09	56.94	53.45	53.98	54.86	24.5	24	32	30.7	28	25.5	34.7	23.9	95	92	61	68	74	88	------
27	53.89	53.94	54.60	52.82	53.98	55.76	25.3	25.2	31.5	31.8	28.8	26.7	34.7	25.2	87	83	61	64	69	83	.8
28	55.04	55.22	57.37	55.66	56.29	57.76	26	25.2	25.5	24.7	24.5	25	27.5	24.2	86	90	93	93	89	89	7.1
29	57.21	57.51	57.37	56.61	57.84	58.60	24.2	23.6	30.1	28	25.1	24.6	33.4	23.4	93	96	69	86	96	97	39.4
30	57.83	57.75	58.88	56.98	58.32	59.02	24.6	24.7	29.4	31.6	24.6	24.3	34.2	24	96	95	78	72	87	95	.5
Mean	57.57	57.68	58.28	56.29	57.10	58.47	24.4	23.8	29.7	30.1	26.7	25	33	23.5	93.3	95.5	73.6	74.3	84.5	91.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	214.3

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.				
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.		
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*				
1	S	1	S	2	S	2	NW	2	S	1	Calm	----	6	Ci.	S.	10	----------	N.	SW	
2	S	1	S	1	SW	1	N	2	S	1	SE	1	5	Ci.	S.	7	Ci.	Cu.	SW	
3	SSW	1	Calm	----	SW	1	NW	2	S	1	SE	1	2	Ci.	S.-Cu.	3	Ci.	Cu.		
4	Calm	----	SE	1	SW	1	N	2	SSE	1	Calm	----	5	Ci.	Cu.	8	A.-Cu.	Cu.		
5	Calm	----	SW	1	NW	1	NNW	1	S	1	S	1	8	Ci.-S.	N.	SW	6	Ci.	Cu.	SE
6	SSW	1	Calm	----	S	1	NNW	1	S	1	S	1	9	A.-Cu.	N.		8	Ci.-S.	N.	
7	S	1	Calm	----	SSW	1	NNW	1	E	1	SSW	1	8	Ci.-S.	N.		8	Ci.-S.	N.	
8	NE	1	S	1	NE	1	N	1	NW	1	SW	1	9	Ci.-S.	N.	NE	7	Ci.	Cu.	N
9	NE	1	SW	1	NE	1	NE	1	N	1	SW	1	8	Ci.-S.	N.-cf.	NE	3	----------	Cu.	NE
10	NW	1	SW	1	SW	1	N	1	N	1	S	1	8	Ci.-S.	N.-cf.	NE	7	Ci.-S.	Cu.	NE
11	NE	1	Calm	----	NW	1	NNW	1	NW	1	S	1	8	Ci.	N.		7	Ci.	N	Cu. NW
12	Calm	----	SE	1	NW	1	NW	1	S	1	SE	1	8	Ci.-S.	N.-cf.	NE	4	Ci.		cu.-N. NW
13	SE	1	S	1	S	1	N	1	S	1	SSE	1	3	Ci.	Cu.		6	Ci.		Cu.-N.
14	N	1	SW	1	NNW	1	N	1	WNW	1	WSW	1	7	Ci.	S.-Cu.	N	7	Ci.	N	Cu. N
15	S	1	S	1	NW	1	NW	2	S	1	S	1	8	Ci.-S.	Cu.		8	Ci.-S.		N.-cf.NW
16	S	1	S	1	SSE	1	W	1	NW	1	SE	1	8	Ci.	Cu.		9	Ci.-S.		Fr.-N. W
17	SW	1	S	1	S	1	SE	1	SSW	1	SW	1	8	Ci.-S.	N.	SW	9	Ci.-S.		N.
18	S	1	S	1	S	1	S	1	SE	1	SSE	1	10	Ci.-S.	N.	S	10	Ci.-S.		N. S
19	SSE	1	SSE	1	S	2	S	2	S	1	SSE	1	10	Ci.-S.	N.	S	9	Ci.-S.		Fr.-N. S
20	Calm	----	Calm	----	SSE	1	Calm	----	Calm	----	Calm	----	8	Ci.-S.	N.		10	Ci.-S.		N. S
21	Calm	----	Calm	----	S	1	NNW	1	SE	1	ESE	1	7	Ci.-S.	N.		8	Ci.		Cu.-N. SE
22	NW	1	SW	1	NW	1	NW	1	S	1	Calm	----	8	Ci.-S.	N.	N	8	Ci.-S.		Cu. NW
23	Calm	----	S	1	NW	1	NE	1	S	1	Calm	----	7	A.-Cu.	N.		8	Ci.-S.		N. NW
24	SW	1	SW	1	WNW	1	NNW	1	NNW	1	NW	1	7	Ci.	Cu.		7	Ci.		Cu. NW
25	NW	1	W	1	W	2	NW	2	W	1	W	1	8	Ci.	N.	N	7	Ci.		Fr.-Cu.NW
26	SW	1	SW	1	W	1	SW	1	SW	1	SSE	1	9	Ci.-S.	N.	N	9	Ci.-S.		Fr.-N. W
27	SSW	1	SSW	1	SSW	2	SSW	2	SSW	1	SSW	1	7	Ci.	S.-Cu.	W	9	Ci.-S.		N. SW
28	S	1	S	2	S	2	S	1	S	2	S	2	10	Ci.-S.	N.	S	10	Ci.-S.		N.
29	S	1	S	1	SSE	1	NW	1	SSE	1	S	1	10	Ci.-S.	N.		10	----------	N.	NW
30	S	1	SSW	1	SSW	1	N	1	SSE	1	SE	1	10	Ci.-S.	N.		9	Ci.-S.		Fr.-N. SW
Mean	------	0.8	------	0.9	------	1.2	------	1.2	------	1	------	0.9	7.6	----------	----------		7.7	----------		----------

CAPIZ.

[ϕ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6 meters; gravity correction not applied, —1.81 mm.]

OCTOBER, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.16	58.94	59.65	57.39	57.99	59.28	24.2	23.1	29.2	31	28.3	23.7	34.4	23.1	94	99	81	75	84	90	------
2	59.05	59.92	60.61	58.79	59.67	61.48	22.8	21.7	31.4	31.3	27.5	25.3	33.3	21.7	93	98	72	71	88	93	------
3	59.65	60.13	60.95	58.89	58.90	59.86	24.5	23.1	31.5	31.4	27.6	26	33.5	23.1	92	97	71	72	83	92	------
4	58.89	59.24	59.77	57.08	58.47	59.96	25	24.4	30	31.3	27.7	24.8	33.4	24.2	93	94	78	68	81	95	------
5	58.76	59.21	59.83	57.39	58.90	59.88	24.5	22.9	29.2	31.2	28	24.8	33.5	22.9	95	97	78	68	85	92	------
6	59	59	60.11	58.07	58.96	60.66	24.4	23.6	30.7	29.7	27.4	24.7	33	23.5	92	97	71	71	82	90	------
7	59.49	59.51	60.74	58.85	58.57	60.96	23.4	22.6	29	31.9	27.5	25.2	33.5	22.5	97	98	81	69	84	93	------
8	60.01	60.19	61.10	59.75	59.63	61.18	24.9	24	28.5	27.7	26.6	25.2	31.8	23.7	92	94	86	79	85	94	3.5
9	60.55	60.71	61.09	58.29	59.37	60.23	25	24.5	30.6	30.6	27.7	26.5	33.2	24.2	93	96	74	72	84	86	3.6
10	59.19	60.16	60.94	58.56	58.75	59.63	25.4	25	28.5	28.7	26.7	25.5	31.6	24.7	93	98	86	78	90	93	------
11	59.04	59.27	59.95	57.70	58.40	59.81	24.5	25.1	31.1	31.1	27.2	25.6	33	24.5	96	94	70	69	84	93	14.8
12	58.43	59.04	59.77	57.54	58.02	59.34	24.5	23.5	30.5	31	27.1	25.5	33	23.4	96	97	75	69	83	92	3.8
13	58.49	58.55	59.68	56.85	58.08	59.25	25.3	24.5	29.4	30.7	27.5	26.8	32.2	24.5	96	97	82	83	88	92	19.7
14	58.43	58.89	60.28	58.02	58.60	60.01	25	24.5	27	30.5	26.8	24.8	32.5	24.4	97	98	92	72	86	93	42.7
15	58.82	59.15	60.07	58.06	59.06	60.02	23.5	23	28.8	29	26.6	24.5	31.8	23	92	97	79	78	88	95	.5
16	59.18	59.49	60.24	57.49	58.66	59.78	24	23	30.7	31.6	27.1	25.4	33.2	23	96	97	72	71	84	94	6.4
17	58.92	60.43	60.46	58.09	58.97	60.48	25	23.7	28.5	30.7	27	25.5	32.5	23.4	93	96	83	69	84	93	17.3
18	59.57	60.39	61.50	59.62	59.91	60.81	24.8	24.7	27.4	27.7	26.5	25.1	30.2	24.4	97	94	94	83	86	91	3.1
19	59.23	59.53	60.20	58.30	58.56	60.42	25.5	26	29.9	28.6	26.9	26.5	31.4	24.4	88	85	77	74	80	79	2.3
20	59.04	59.22	60.16	58.04	58.37	60.67	25.5	25	30.3	29.1	27.7	26.1	32.6	25	84	85	68	74	76	78	------
21	59.54	59.98	61.36	59.43	60.07	61.52	25.5	24.7	30	30.4	26.1	24.9	32.3	24.2	80	86	68	63	85	87	3.6
22	60.87	60.99	62.50	60.67	61.10	62.11	25	25	29.4	29.5	26.5	25.7	31.9	24.1	86	87	75	71	83	86	------
23	61.17	61.48	62.44	60	60.63	61.67	24.5	22.3	30	30.1	25.7	24.2	31.9	22.3	92	97	62	68	84	90	.3
24	60.97	61.57	62.72	60.20	60.65	62.05	24	23	29.1	30.4	26	25.7	31.8	22.5	90	96	74	63	83	84	------
25	61.01	61.74	62.66	60.01	60.39	61.60	24.5	23.2	30.2	30.7	26.5	24.8	32.6	23.2	91	97	68	63	84	90	------
26	61.07	61.39	62.37	60.14	60.56	62.37	22.9	22.8	29.2	30.5	26.3	25	32.3	22.8	96	97	73	66	82	88	------
27	61.34	61.93	62.57	60.25	60.95	62.55	23.8	23.5	29.8	30.4	26.8	25.5	32.2	23.5	94	95	67	66	80	85	------
28	61.53	62.15	63.22	60.85	61.19	62.58	23.3	22.3	30.2	30.5	26.4	26.6	32.4	22.3	96	96	66	66	80	85	.5
29	61.29	61.38	62.90	60.29	60.27	62.12	24.5	23.9	29.6	30.8	27.1	25	32.7	23.7	96	97	73	67	83	97	19.9
30	61.02	61.06	62.31	59.89	60.24	61.60	24.8	24.9	29	30.7	27.4	27	32.4	24.8	98	96	81	77	81	92	6.1
31	60.03	60.66	61.56	58.84	59.62	60.97	25.4	24	30.3	30.4	27.5	24.8	32.6	23.8	93	96	74	70	81	93	6.1
Mean	59.73	60.17	61.09	58.82	59.40	60.80	24.5	23.8	29.6	30.3	27	25.4	32.5	23.6	92.9	95.1	75.8	71.1	83.6	90.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	154.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SSW	NW	SE	NNE	SE	Calm	13.2	34.8	42.9	14.7	105.6	9	Ci.-S.	N.	8	Ci.-S.	Cu. SW
2	S	S	NNE	N	Calm	Calm	4.5	29.8	38.4	4.5	77.2	8	Ci.	Cu.	8	Ci. N	Cu. N
3	Calm	Calm	NE	NE	W	Calm	6.1	37.5	42.6	8.3	94.5	8	Ci.	Cu.	7	Ci.	Fr.-Cu. NE
4	Calm	WNW	NE	NE	Calm	SE	7.4	30.9	44	9.1	91.4	8	Ci.	N.-cf. NE	2	Ci.	Cu. SW
5	SSW	S	N	N	S	SE	11.5	18.5	42.6	10.7	83.3	8	Ci.	Cu.	7	Ci.	Cu.
6	S	Calm	NE	NE	Calm	SW	11	24.3	35.1	9.5	79.9	8	Ci.-S.	N.	8	Ci.-S.	N.-cf.
7	NE	Calm	NE	NE	Calm	Calm	7.2	31.1	45.4	2.4	86.1	8	Ci.	Cu. N	8	Ci.	Cu. NE
8	NE	Calm	NE	N	W	WSW	9.1	34.6	33.5	17.7	94.9	9	Ci.	N.-cf. NE	8	Ci.-S.	N. N
9	NE	S	NE	NE	N	NE	9.7	49.7	57.1	27.9	144.4	8	Ci.	N.-cf. NE	8	A.-Cu.	Cu. NW
10	NNW	SW	NE	N	Calm	NE	10	36.8	36.4	8	91.2	8	Ci.	Cu. NE	9	Ci.-S.	N. N
11	NE	NE	NE	NE	Calm	SW	12.7	46.9	37.8	12.9	110.3	9	Ci.-S.	N. NE	7	Ci.	Cu. NE
12	Calm	SW	N	NW	Calm	Calm	6	32.2	38.9	5.4	82.5	8	Ci.	N.-cf N	2	Ci.	Cu. NW
13	W	WSW	W	N	N	SE	15.8	48.8	51.2	25.1	140.9	10	Ci.-S.	N. NE	9	Ci.-S.	N. N
14	SW	SW	SW	NNW	Calm	S	24.3	24.9	31.4	5.4	86	10	Ci.-S.	N.	6	Ci.	Cu. NW
15	Calm	S	NE	NE	Calm	Calm	6.6	26	33.2	5.4	71.2	8	Ci.	Cu. NE	8	Ci.	Cu. NE
16	SW	Calm	E	NE	Calm	SW	8.5	31.4	43.3	5.9	89.1	8	Ci.	Cu. NE	7	Ci.	Cu.-N. NE
17	S	S	NE	NE	Calm	NE	21.5	32.5	42.1	12.1	108.2	10	Ci.-S.	N. S	3	Ci.	Cu. NE
18	NE	NE	NE	NE	NE	Calm	21.4	54.1	72.4	44.6	192.5	9	Ci.-S.	N. NE	10	Ci.-S.	N. NE
19	NE	NE	NE	NE	NE	NE	66.5	77.2	89.9	61.8	295.4	9	Ci.-S.	Fr.-N. NE	9	Ci.-S.	N. NE
20	NE	NE	NE	NE	NE	NE	42.9	73.5	63.6	45.1	225.1	7	Ci.	Cu. NE	8	Ci.-S.	Fr.-N. NE
21	NE	NE	NE	NE	NW	SW	45.1	54.7	34	12.7	146.5	8	Ci.	N.-cf. NE	7	Ci.	Cu. NE
22	N	N	NE	NNE	N	NE	31.9	49.6	48.5	28.7	158.7	7	Ci.	N.-cf. N	7	Ci.	Cu. N
23	Calm	Calm	N	NNE	Calm	SW	3.5	29.8	38.3	7	78.6	8	Ci.	N.	3	Ci.	Cu.
24	SW	Calm	NE	NE	NE	NE	9.7	31.6	42.9	35.4	119.6	8	Ci.	N.-cf. NE	3	Ci.	Cu. NE
25	Calm	Calm	NE	NE	Calm	Calm	9.4	39.4	45.4	6.4	100.6	8	Ci.	N.-cf. NE	2	Ci.	Cu.
26	Calm	SE	NNE	N	NNW	Calm	5.8	43.5	39.1	13.2	101.6	8	Ci.	Cu. NE	2	Ci.	Cu.
27	Calm	Calm	NE	N	Calm	NE	7.4	48.5	34.4	11	101.3	6	Ci.	Cu. NE	2	Ci.	Cu. NE
28	Calm	S	N	N	N	N	7.7	34.9	51.2	27.1	120.9	3	Ci.	Cu.	2	----------	Cu. N
29	SW	SW	NE	N	N	SW	8.9	41.8	40	12.4	103.1	8	Ci.	N.-cf. NE	2	Ci.	Cu.
30	SW	NE	NE	NE	N	NE	19.1	59.8	54.2	45.7	178.8	9	Ci.	Fr.-N. NE	8	Ci.	Cu. NE
31	SW	Calm	NE	NE	NE	SW	19	49.3	45.9	23	137.2	9	Ci.-S.	N. NE	8	Ci.	Fr.-N. NE
Mean	------	------	------	------	------	------	15.6	40.6	45	18	119.2	8.1	----------	----------	6.1	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	3,696.6	----	----------	----------	----	----------	----------

CAPIZ.

[ϕ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6 meters; gravity correction not applied, −1.81 mm.]

NOVEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.68	60	60.94	58.55	59.06	60.87	25.2	25.7	30	30.5	27.3	27.5	32.3	24.4	92	92	75	72	84	81	9.6
2	59.68	60.49	61.64	58.92	59.40	61.23	25	25	29.5	29.8	27.1	26	30.8	24.4	93	83	68	67	77	90	5.3
3	60.13	59.98	61.65	58.97	59.31	60.92	24.5	25.3	28.5	30.3	27.1	26.3	31.9	24.4	91	84	78	70	81	84	2.8
4	60.13	59.88	60.65	58.37	58.74	59.60	25.9	25.7	29	29	26.3	25.8	30.9	25.2	85	76	65	69	68	70	------
5	58.59	58.49	59.02	57.84	57.09	57.98	25	24.5	28	30.4	25.7	25.6	31.8	24.5	75	77	71	56	76	84	------
6	57.47	57.55	57.98	56.11	56.81	57.22	25.2	22.9	29.4	29.6	27.1	25.7	31.4	22.8	83	89	66	68	78	84	------
7	56.96	57.94	58.75	56.89	58.51	60.32	24.5	23.1	29.5	31.4	26.6	24.5	32.4	23.1	91	94	72	66	85	93	------
8	59.87	60.67	61.90	59.81	60.86	62.33	24	23.1	28.3	29.7	26.3	25.8	31.7	23.1	93	96	79	72	83	89	5.6
9	62.07	62.66	63.55	61.24	61.87	63.26	24.5	24	26.4	29.1	25.9	26	30.9	23.8	96	96	90	78	85	85	12.2
10	62.96	62.92	63.88	61.62	61.95	63	24.5	23.5	27.7	29.7	26.4	25	31.3	23.2	89	93	77	71	82	88	.5
11	62.28	62.67	63.33	61.27	61.66	62.81	24.4	23.2	28.6	29	25	23.7	30.9	22.6	87	82	69	67	80	88	------
12	62.33	62.02	62.70	60.84	61.37	62.31	22.5	21.8	27.4	28.5	25.6	25.5	30.6	21.7	91	88	73	71	84	84	------
13	61.59	61.97	62.47	59.90	60.07	61.18	24.4	24.1	28.8	30	26.5	25.8	31.6	24	90	89	77	75	90	85	5.3
14	59.99	60.87	61.36	59.59	60.10	61.57	24.5	24.2	29	28.4	26.6	25.7	31.2	23.9	94	94	78	76	81	83	.3
15	60.05	60.31	60.87	58.51	59.29	60.72	25	25.1	27.3	26.3	25.7	25	30.3	24.8	88	86	86	93	90	96	6.9
16	59.76	59.92	60.57	58.67	59.32	60.71	25.2	24.5	28.5	29.4	25.5	25.5	31.5	24.5	92	93	83	79	93	92	15.5
17	59.86	59.91	60.91	58.82	58.72	60.18	24.8	24.7	29.3	29.7	27.3	25.5	31.5	24.7	93	92	78	69	80	92	------
18	59.47	59.64	61.05	58.94	59.18	61.11	25	24.6	29.4	29.1	27.1	24.2	31.3	24.1	93	92	77	80	85	90	2
19	60.01	59.71	61.20	58.44	58.87	59.95	24.6	25	28.7	29	26.2	25.5	31.5	24.6	91	92	78	81	94	92	2
20	59.24	59.33	59.55	57.35	58.02	59.04	25.2	24.9	28.7	29.3	26.7	26.3	32.5	24.7	92	92	80	76	88	86	.8
21	58.17	58.73	59.11	56.81	57.21	58.37	25	24.7	28.3	30	26.7	26	31.5	24.6	94	94	82	75	90	88	------
22	57.84	58.50	59.50	56.91	57.32	58.32	25.2	25	28.2	30	26.4	26	31.5	24.8	91	92	81	74	96	92	------
23	58.02	58.34	59.47	57.72	57.82	58.90	24.5	23.5	28.8	29.5	26.3	24.8	31.4	23.5	96	97	78	75	88	94	------
24	58.32	58.24	59.97	57.97	58.96	60.37	25	25.5	29.5	29.8	27.3	26	31.8	24.9	94	92	78	77	86	93	.3
25	59.27	59.93	61.17	59.25	59.38	61.03	25.4	25.3	29.6	28	26.7	26.3	31	25.2	93	93	75	79	78	79	------
26	60.30	60.96	62.12	59.66	60.02	61.79	25.5	25.5	26.5	25.8	26	24.9	30	24.3	84	81	92	89	87	83	.8
27	61.32	61.34	62.16	59.86	60.60	61.26	24.2	25	27.6	29.1	26.3	26.7	30.8	24.2	88	84	74	71	82	85	------
28	60.15	61.11	61.82	59.91	60.82	61.68	25.2	24.5	28.7	27.4	26	25.1	30.8	24.5	90	92	75	82	89	95	1.3
29	61.03	61.18	61.72	59.82	60.07	61.11	25	24.9	26.7	29.1	26.3	23.8	30.8	23.6	95	95	83	77	89	93	2
30	60.32	60.73	61.50	59.46	60.15	61.19	23.5	25.2	26.3	26.1	25.4	25	29.8	23.4	93	84	86	90	88	91	.3
Mean	59.90	60.20	61.08	58.93	59.42	60.68	24.7	24.5	28.4	29.1	26.4	25.5	31.3	24	90.6	89.5	77.5	74.8	84.6	87.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	73.5

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
												Form and direction.			Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Upper.	Lower.	Amount.	Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	NE	NE	NE	N	NE	37.8	70.3	51	42.6	201.7	9	Ci.-S.	N. NE	7	Ci. NE	Cu. NE
2	NE	NE	NE	N	NNW	N	48.9	64.7	61.8	44.3	219.7	9	Ci.-S.	Fr.-N. NE	9	Ci.-S.	Fr.-Cu. NE
3	N	NNE	NE	N	N	N	33.8	43.7	46.1	65.8	189.4	10	Ci.-S.	N. NE	8	Ci.-S.	Cu. NE
4	N	N	N	N	N	N	104.9	111	91.1	70.8	377.8	9	Ci.-S.	N.-cf. N	8	Ci.-S.	Cu. N
5	N	N	N	NW	NW	NNW	64.7	62	50.9	55.2	232.8	7	Ci.-S.	Cu. N	7	Ci.	Cu.
6	NW	NW	W	NW	WNW	W	43.1	53.3	48.9	15.5	160.8	8	Ci.-S.	N.	8	Ci.-S. N	N.
7	Calm	Calm	WSW	W	N	Calm	10.8	30.8	59	4	104.6	10	------	N.	9	Ci.-S.	Cu.
8	Calm	S	NE	NE	Calm	Calm	10.5	31.9	44.1	9.1	95.6	9	Ci.-S.	N.	8	Ci.	Cu. NE
9	N	N	S	NE	N	NE	18.7	20.9	42.1	40.8	122.5	10	Ci.-S.	N. NE	6	Ci.	Cu. NE
10	NNE	N	NE	N	N	NE	36.2	59.2	44.3	42.8	182.5	7	Ci.	N.-cf. NE	6	Ci.	Cu. NE
11	NE	NE	NE	NE	Calm	SE	52.9	53.7	36.2	12.4	155.2	9	Ci.-S.	Fr.-N. NE	2	------	Fr.-Cu. NE
12	NE	NE	NE	NE	NE	NE	31.9	53.3	44.6	49.7	179.5	8	Ci.-S.	N.-cf. NE	7	Ci.	Cu. NE
13	NE	NE	NE	N	NE	NE	44.3	68.1	53.3	----	------	8	Ci.-S.	N.-cf. NE	10	Ci.-S.	N. NE
14	NE	NE	NE	NE	NE	NE	----	----	78.9	64.2	------	10	Ci.-S.	N. NE	9	Ci.-S.	N. NE
15	NE	NE	NE	N	NE	NE	63.9	71.6	48.3	28.7	212.5	8	Ci.	N. NE	9	Ci.-S.	N. NE
16	NE	NE	NE	NE	NE	NE	42.8	72.6	65.8	55.5	236.7	7	Ci.	N.-cf. NE	7	Ci. NE	Cu. NE
17	NE	NE	ENE	E	E	E	60	83.2	77.9	51.3	272.4	6	Ci.	N. NE	5	Ci.	Cu. NE
18	NE	NE	NE	NE	NE	NE	36.7	68.7	71.9	65	242.3	9	Ci.-S.	N. NE	7	Ci.	Cu. NE
19	NE	NE	NE	N	NNE	NE	38	57.6	54.7	38.8	189.1	9	Ci.-S.	Fr.-N. NE	7	Ci.	Cu. NE
20	NE	NE	NE	NE	N	NE	45.7	61.7	61.4	48.8	217.6	8	Ci.	N.-cf. NE	3	Ci.	Cu. NE
21	NE	NE	NE	NE	Calm	NE	34	50.9	42.3	49.7	176.9	5	Ci.	Cu.-N. NE	5	Ci.	Cu. NE
22	NE	N	NNE	NNE	NNE	ENE	41	57.6	47	16.4	162	9	Ci.-S.	N. NNE	2	------	Fr.-Cu. NE
23	Calm	Calm	NNE	NE	Calm	ENE	1.3	36.5	38	1.1	76.9	3	Ci.	S.-Cu.	2	------	Fr.-Cu. NE
24	NE	NE	NE	N	NE	Calm	25.5	59.7	56.1	19.3	160.6	9	Ci.-S.	N. NE	3	------	Cu. E
25	NE	NE	NE	NE	NE	NE	37.2	75.9	73.8	43	229.9	8	Ci.-S.	N. NE	9	Ci.-S.	N. NE
26	NE	NE	NE	ESE	NE	NE	37.8	56.6	40.7	45.9	181	9	Ci.-S.	N. NE	9	Ci.-S.	N. NE
27	NE	NNE	NNE	NE	NE	NNE	47.3	68.1	48.5	60.7	224.6	9	Ci.-S.	N. NE	7	Ci.	Cu. NE
28	NE	Calm	N	NNE	N	NE	36	52.8	40	19.1	147.9	8	Ci.	N.	9	Ci.-S.	Fr.-N. NE
29	NNE	NNE	NE	NE	Calm	ENE	29.5	66.2	37.5	20.7	153.9	8	Ci.	N. NNE	6	A.-Cu.	Cu. NE
30	NE	N	NNE	N	N	NNE	36.8	69.7	85.8	39.6	231.9	9	Ci.-S.	N. N	10	Ci.-S.	N. N
Mean	------	------	------	------	------	------	39.7	59.7	54.7	38.6	190.7	8.2	----------	----------	6.8	----------	----------

CAPIZ.

[ϕ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6 meters; gravity correction not applied, −1.81 mm.]

DECEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.17	60.24	61.56	59.77	59.58	60.97	24.5	23.6	27.4	29.1	26.2	24.6	30.8	23.4	91	95	81	82	86	91	0.3
2	60.33	60.63	60.80	58.76	59.33	61.40	24.2	23.8	28	29.3	26.1	24.9	31	23.6	92	95	81	77	88	95	2
3	60.15	60.01	61.34	59.01	59.07	60.91	24.4	24.7	29.5	29.4	25.6	25.1	31.5	24	97	92	75	72	83	91	1
4	59.85	60.11	60.85	58.13	58.59	59.75	25	24.6	27.7	28.3	26	26	30.5	24.5	90	91	82	79	88	88	------
5	59.14	59.44	60.24	58.16	58.59	59.85	25.4	24	28.8	28.8	26	25.5	30.7	24	89	96	77	78	89	92	------
6	58.87	58.99	59.01	57.06	57.23	58.45	24.2	24	28.2	28	25.5	25	30.7	24	91	91	80	79	87	90	------
7	57.50	57.39	58.44	56.97	56.99	58.13	24	24.9	27.4	27.1	25	24.3	29.8	23.1	89	81	78	76	88	92	.3
8	57.59	57.47	58.36	57.01	57.81	59.14	22.1	21.7	29.7	29.5	25.8	25	32	21.6	94	95	65	70	82	90	------
9	58.51	58.47	58.66	56.96	57.36	58.64	23.8	22	30.1	30.7	26.5	24.7	32.3	21.9	93	97	68	69	88	93	------
10	58.40	58.35	58.66	56.25	56.87	58.05	23	22.2	30.1	30.5	26.5	24.8	32.2	22.1	94	96	66	72	86	92	------
11	57.89	58.01	58.55	56.25	57.62	58.64	23.5	22.5	27.9	30.4	26.5	25.8	31.8	22.5	96	97	81	74	90	93	5.6
12	57.48	58.90	60.47	58.57	59.37	60.22	25.3	24.7	29.5	30.4	25.7	26	31.9	24.7	98	95	79	68	83	86	.5
13	59.96	60.61	60.87	58.67	59.82	60.96	25.6	23.5	28.6	28.7	26.5	26	30.8	23.4	87	93	70	73	70	80	------
14	60.06	60.27	61.06	59.15	59.62	61.01	25.5	23.7	28.8	28.2	26.4	24	30.4	23.6	80	90	73	73	81	92	10.6
15	60.23	60.38	61.41	59.41	59.70	61.30	24	23.9	27.8	28.9	26.4	26	30.6	23.9	97	98	82	76	88	84	3.6
16	60.57	60.63	61.80	60.21	60.68	62.06	25.5	24.4	27.1	28.8	26.4	25.1	30.3	24.1	86	94	83	82	92	96	1.3
17	61.47	61.57	62.10	60.31	60.82	62.56	24.8	24.2	28.3	29.6	26.5	26	31.2	24.2	93	94	79	77	86	88	.8
18	62.17	62.27	63.34	61.60	61.85	62.71	24.5	24.4	29	29.7	26.6	25	31.5	24.1	92	90	71	70	83	88	------
19	61.37	61.97	62.64	59.99	60.75	61.43	24.6	24.1	28.7	29.8	26.6	25.5	31.5	24	89	91	74	69	87	93	1
20	60.52	61.41	62.66	60.94	61.45	63.15	25.4	24.5	28.5	29.6	25	25	31.9	24.2	93	96	80	69	84	87	------
21	62.22	62.92	63.77	62.01	62.85	63.37	24.4	24	28.7	29.5	25.8	26	31.2	23.8	90	89	74	74	87	84	------
22	62.21	62.74	63.75	61.37	61.90	62.17	24.4	23.2	27.4	29.3	25.6	25.8	31.4	23	91	94	81	70	81	83	5.1
23	61.98	62.42	63.66	61.61	61.92	62.89	24.5	23.6	27.6	29.8	25.8	24.6	31.2	23.4	92	97	77	65	78	82	------
24	62.96	63.33	64.01	61.84	61.77	62.73	24.5	23.5	28.3	30.2	26.2	25.8	31.4	23.2	82	85	72	65	73	78	1.8
25	61.57	62.14	62.17	60.17	60.87	61.78	23.5	23.5	27.8	29.2	25.8	25	31	23.3	93	88	78	71	84	80	------
26	61.14	61.49	62.05	59.27	59.91	61.43	24.7	24.1	28.2	29	26	25.2	30.7	23.9	80	84	66	72	80	82	------
27	60.77	60.81	61.98	59.71	60.20	61.37	25.1	25.1	27.5	30	26.7	25	32.4	25	83	83	74	63	69	80	1
28	60.59	60.88	62.25	59.32	59.96	61.18	25.2	23.9	27.8	28.6	25.9	25	30.5	23	80	90	75	74	87	83	------
29	60.67	60.78	61.65	59.25	60.31	60.61	23.2	23.3	28.4	28.1	24	24.2	30.2	22.5	97	92	73	74	96	90	2.3
30	59.97	59.93	61.15	58.81	59.78	60.98	24.3	23.7	28.5	28.9	25.7	24.8	30.8	23.3	89	91	77	76	88	81	------
31	60.22	60.37	61.07	58.80	59.86	60.90	24.6	24.2	27.7	28.8	26.2	25.7	30.8	24.2	82	87	78	76	85	82	------
Mean	60.21	60.48	61.30	59.20	59.76	60.93	24.4	23.8	28.4	29.2	26	25.2	31.1	23.5	90	91.8	75.8	73.1	84.4	87.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	37.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NNE	NE	NNE	NNE	NNE	NE	38.3	59.3	52.9	31.4	181.9	9	Ci.-S.	N. NE	4	----------	Cu. NE
2	NE	NE	NE	NE	NE	NE	24.4	54.2	53.3	16.6	148.5	9	Ci.-S.	N. NE	4	----------	Cu. NE
3	NE	NE	NE	N	NE	NE	31.7	63.4	46.4	24.4	165.9	3	Ci.	Cu. NE	9	Ci.-S.	Fr.-N. NE
4	NE	NE	N	NE	N	NE	26.2	40	38.3	20.9	125.4	9	Ci.-S.	N. NE	7	Ci.	Cu. NE
5	NE	Calm	NNE	NNE	Calm	NE	21.5	47.7	31.6	23.1	123.9	7	Ci.	Cu. NE	8	Ci.-S.	Cu. NE
6	NE	NNE	N	N	NNE	NNE	21.9	58.5	73.4	25.7	179.5	8	Ci.	Cu. NNE	9	Ci.-S.	N. N
7	N	N	WSW	NW	W	SSW	43.5	65	65.8	25.7	200	9	Ci.-S.	Fr.-N. N	10	Ci.-S.	N. NW
8	S	Calm	SE	N	ENE	ENE	9.7	37	48.5	13.2	108.4	8	Ci.	N.	5	Ci.	Cu. S
9	SE	SSE	SSE	NE	NNW	Calm	14.3	27.4	38.3	4.2	84.2	1	Ci.	Cu.	3	Ci.	Cu.
10	Calm	Calm	S	N	Calm	SW	3.2	25.1	39.1	5.3	72.7	8	Ci.	S.	6	Ci.	Cu.
11	Calm	Calm	N	NE	Calm	NE	3.4	25.1	43.3	8.3	80.1	7	Ci.	S.-Cu.	4	Ci.	Cu. NE
12	NE	Calm	NE	NE	E	E	27.7	56.1	54.2	54.2	192.2	9	Ci.-S.	N. E	1	Ci.	Cu.
13	ENE	ENE	ENE	NE	NE	NE	63.9	74.6	65.2	63.9	267.6	8	Ci.-S.	Fr.-N. ENE	8	Ci.-S. NE	N. NE
14	NE	NE	NNE	NNE	NNE	NNE	50.7	69.2	60.4	54.4	234.7	2	Ci.	Cu.	9	A.-Cu. NNE	Cu. NNE
15	NNE	NE	NNE	NNE	NE	NE	77.2	64.9	66.5	63.8	272.4	8	Ci.-S.	Fr.-N. NE	8	Ci.-S.	Cu. NNE
16	NE	NE	NE	NE	NE	Calm	42.1	54.5	37.5	13.2	147.3	10	Ci.-S.	N. NE	8	Ci.-S.	Cu. NE
17	NE	NE	NE	NE	NE	NE	36.4	81.1	54.1	62.2	233.8	7	Ci.	Cu. NE	8	Ci.	Cu. NE
18	NE	NE	NE	NE	NE	NE	52.8	81.8	65.8	56	256.4	8	Ci.	Cu. NE	6	Ci.-S.	Cu. NE
19	NE	NE	NE	NE	N	NE	45.7	57.1	51.8	22.8	177.4	4	Ci.	N.-cf. NE	2	Ci.	Cu. NE
20	NE	NE	NE	NE	Calm	NE	36	62.8	55.3	39.2	193.3	9	Ci.-S.	N. NE	1	----------	Cu. NE
21	NE	NE	NE	NE	NE	NE	34.1	57.3	49.7	63.6	204.7	8	Ci.	Fr.-N. NE	3	Ci.	Cu. NE
22	NE	NE	NE	NE	NE	NE	58.7	58.7	52.8	64.4	234.6	9	Ci.-S.	Fr.-N. NE	3	----------	Fr.-Cu. NE
23	NE	NE	NE	NE	NE	NE	58.5	77.2	93	75.8	304.5	10	Ci.-S.	N. NE	3	----------	Cu. NE
24	NE	NE	NE	NE	NE	NE	48.1	75.3	59.8	72.1	255.3	10	Ci.-S.	N. NE	3	----------	Cu. NE
25	NE	NE	NNE	NNE	NNE	NE	42.3	69	54.5	53.4	219.2	6	Ci.	Cu.	7	Ci.	Cu. NE
26	NE	NE	NNE	N	NE	NE	44.3	56.9	----	----	-------	8	Ci.	N. NE	8	Ci.	Cu.-N. NE
27	NE	NE	NE	NE	NE	NE	48	84	96	67	295	9	Ci.-S.	Fr.-N. NNE	4	Ci.	Cu. NE
28	NE	NE	NE	NE	NNE	NE	54.7	51.8	41.3	46.1	193.9	9	Ci.	N.-cf. NE	7	Ci.	Cu. NE
29	NE	NE	NE	NE	NNE	NE	18.3	57.1	52.8	26.6	154.8	8	Ci.	N.-cf. NE	9	Ci.-S.	Cu. NE
30	NE	NE	NE	N	N	NE	37	59.5	43.7	44.9	185.1	8	Ci.	N.-cf. NE	8	Ci.-S.	Cu. NE
31	NE	NE	NE	N	N	NE	35.4	53.4	51	63	202.8	9	Ci.-S.	N. NE	7	Ci.-Cu.	Cu. NE
Mean	------	------	------	------	------	------	37.1	58.2	54.5	40.2	189.8	7.6	----------	----------	5.9	----------	----------

CALBAYOG.

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 5.5 meters; gravity correction not applied, −1.80 mm.]

JANUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.49	60.70	61.67	59.62	60.79	61.51	21.8	21.9	26.5	28.4	25	22	30.1	21	96	96	80	68	84	92	------
2	60.21	60.60	60.94	58.88	60.04	61.11	20.9	19.5	27.8	29.5	24.8	21.2	30.7	19.3	96	96	68	61	79	93	------
3	60.39	60.90	61.84	59.52	60.70	61.30	20.4	19	27	29.5	25.3	23.8	31.2	18.8	96	96	79	68	84	91	3.6
4	60.29	61.03	61.90	59.62	60.74	61.46	23.5	22.9	25.7	29.5	25.7	23.9	30	22.7	92	95	93	77	88	93	3.8
5	60.43	61.21	62.10	59.24	60.46	61.45	22.5	22.7	28.4	31.3	26.8	24.4	31.6	22	96	97	72	71	83	92	------
6	60.21	60.44	60.88	58.68	59.88	61.43	23	22.8	28.7	26.7	25.5	24.7	30.5	22.6	96	97	80	84	90	94	8.4
7	60.24	61.03	61.23	58.96	60.75	61.95	23.9	23.5	27	25.3	24.1	23.3	28.1	22.6	95	95	84	93	91	93	14.3
8	61.11	61.82	61.60	58.71	60.19	60.03	22.2	22.4	23.4	27.8	25.3	24.2	28.9	21.9	96	95	92	79	89	94	13
9	59.02	59.35	59.87	57.19	58.10	59.19	23.9	22.9	27.7	30	27.5	24.1	31.2	22.6	95	97	80	71	84	93	------
10	57.56	57.94	58.70	56.09	56.67	58.27	22.6	21.5	28.2	31.2	27	23.3	31.7	21.3	96	96	77	71	84	93	------
11	57.81	58.12	58.90	56.61	57.15	58.16	21.8	20.4	27.4	30.6	27.2	24.4	31.3	20.2	96	96	75	65	81	94	------
12	57.86	58.04	58.90	57.59	58.27	59.56	22.8	22.3	29.9	27.3	24.7	23.6	30.2	22	96	96	70	87	92	94	12.7
13	58.85	59.24	60.20	58.99	59.42	60.89	23	22.9	28.2	25.4	23.9	23.3	29.7	22.7	96	97	78	91	96	96	40.6
14	59.98	60.16	60.75	58.52	58.93	60.04	22.8	22.3	28.3	27.7	26.2	24.3	30.5	22.1	97	97	79	76	90	94	1.8
15	58.93	59.56	59.70	57.71	57.73	58.74	22.8	21.9	28.5	30.4	26.6	24.5	30.9	21.7	96	97	73	72	84	93	------
16	57.94	58.11	60	58.35	59.20	60.11	23.6	22.6	25.1	28.7	25.5	23.3	29.1	22.3	94	97	94	84	85	94	2.5
17	59.18	60.02	60.09	57.88	58.96	60.31	21.9	21.7	29.5	30.7	26.2	24.1	31.7	21.5	96	97	70	73	90	96	12.2
18	59.38	60.24	60.47	58.53	59.48	60.61	23.2	22.9	28.3	30.7	25.1	23.8	31.4	22.7	96	96	73	66	93	94	14
19	59.23	59.66	60.49	58.14	59.21	60.38	22.6	22.5	28	30.7	25.2	23.8	31.7	22.3	96	96	85	65	89	90	7.6
20	59.20	60	61.22	59.64	60.33	61.38	23	22.7	26.2	28	24.8	22.8	29.4	21.6	93	93	82	73	84	92	------
21	60.06	60.09	60.60	57.93	59.20	60.89	21.9	22	27.9	28.7	24.6	24.1	31.2	21.4	96	96	78	78	92	95	14.2
22	59.61	59.98	60.64	57.89	58.39	59.78	22.9	22.4	28.9	30	25.4	23.7	31.9	22.2	96	96	72	74	91	92	3.8
23	58.76	58.72	59.07	56.76	57.84	58.89	22.9	22.4	29.7	26.7	25.5	23.8	31.1	22.2	95	95	70	80	84	92	2.3
24	57.71	57.72	58.07	55.69	57.18	58.77	21.7	20.6	28.9	29.3	26.1	23.7	31.3	20.4	96	97	69	73	81	89	------
25	57.86	58.93	59.08	57.04	57.77	59.03	23	23.1	27.1	29.8	25.2	23.2	30.7	22.6	93	93	76	71	90	94	4.6
26	58.02	58.09	58.33	56.63	57.15	58.20	22	21.5	28.7	27.2	25.8	23.6	30.5	21.3	96	97	72	80	90	93	4.8
27	57.68	57.70	58.24	55.96	56.82	57.96	21.9	21.2	28	30.1	26.5	24	30.8	21	96	97	74	63	86	93	------
28	56.76	57.12	58.03	55.96	56.84	58.35	22.4	21.4	28.7	30.1	26.7	25	31.7	21.2	96	96	71	68	84	91	------
29	57.66	57.89	58.99	56.33	56.89	58.42	22.7	21.4	27.6	29.9	26	23.2	31.7	21.2	95	95	78	72	92	94	8.1
30	58.14	58.19	58.72	56.49	57.10	58.92	21.4	21	28.4	29	26.5	24.1	30.2	20.8	96	97	77	75	80	92	------
31	57.96	58.39	58.90	56.86	57.29	58.30	22.6	21.3	28.2	28.7	26	22.8	31.2	21.2	96	97	78	82	91	94	4.3
Mean	58.98	59.39	60	57.81	58.69	59.85	22.5	21.9	27.8	29	25.7	23.7	30.7	21.6	95.5	96.1	77.4	74.7	87.1	93	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	176.6

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2. p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	NE	1	NE	1	ENE	2	ENE	2	NE	1	NNE	1	7	Ci.-S.	S.-Cu. NE	8	Ci.-S.	S.-Cu. NE
2	NNE	1	NNE	1	ENE	2	ENE	2	NNE	1	N	1	2	Ci.	----------	7	Ci.	S.-cf. NE
3	N	1	N	1	ENE	1	NE	2	NE	1	NE	1	5	Ci.-S.	S.-Cu.	9	Ci.-S.	S.-Cu. NE
4	NE	1	NE	1	NE	1	E	2	NE	1	NE	1	7	Ci.-S.	S.-Cu. ENE	8	A.-Cu. ENE	Cu.
5	NE	1	NE	1	SSE	1	W	2	NE	1	NNE	1	6	A.-Cu.	S.-Cu. ENE	4	Ci.	Cu.
6	NE	1	NE	1	NNE	1	NE	2	NE	1	NNE	1	4	Ci.	S.-Cu.	7	Ci.-S.	Cu.-N. NE
7	NE	1	NE	1	NE	2	NE	2	NNE	1	N	1	6	Ci.-S. SE	S.-Cu.	9	Ci.-S.	N. NE
8	NNE	1	ENE	1	NE	1	NE	2	NE	1	NE	1	10	Ci.-S.	N. ENE	8	Ci.-S.	S.-Cu. NE
9	NNE	1	NNE	1	S	1	W	2	NNE	1	N	1	3	Ci.	S.-Cu.	4	Ci.	Cu. E
10	N	1	N	1	S	1	WSW	2	N	1	N	1	2	Ci.	Cu.	5	Ci.	Cu. E
11	N	1	N	1	SSE	1	SW	2	NE	1	N	1	0	----------	Cu.	1	----------	Cu.
12	NE	1	NNE	1	NNE	2	NE	1	NE	1	NE	1	0	----------	Cu.	8	Ci.-S.	Cu.-N. E
13	NE	1	NE	1	NE	1	NE	2	ENE	1	NE	1	8	Ci.-S.	S.-Cu. NE	10	A.-Cu.	N. NE
14	NE	1	NE	1	S	2	E	1	ENE	1	NE	1	4	ci.-s. NbyW	S.-Cu.	7	Ci.-S.	Cu.-N.NE
15	NE	1	NE	1	S	2	SW	2	NE	1	ENE	1	3	A.-Cu.	Cu.	4	Ci. SWbyS	Cu.
16	ENE	1	ENE	1	NE	2	NE	2	NE	1	NNE	1	3	----------	S.-Cu.	8	Ci.-S.	S.-Cu. NE
17	NE	1	NE	1	ENE	2	WSW	2	NE	1	NE	1	7	----------	S.-Cu. NE	5	----------	Cu. ENE
18	NNE	1	NE	1	E	2	E	2	ENE	1	N	1	6	Ci.-S.	S.-Cu. ENE	5	Ci.	Cu. E
19	N	1	NNE	1	NE	2	ENE	2	NE	2	NNE	1	6	Ci.-S.	S.-Cu. ENE	7	A.-Cu.	Cu. E
20	NNE	1	NNE	1	NE	2	NNE	3	NE	1	NNE	1	5	Ci.	S.-Cu.	8	A.-Cu.	s.-cu. NNE
21	NNE	1	NNE	1	NE	1	NNE	2	NE	1	N	1	7	Ci.-S.	S.-Cu. NE	9	A.-Cu.	S.-Cu. NE
22	N	1	N	1	NE	1	WSW	2	NNE	1	N	1	8	A.-Cu. SE	S.-Cu.	6	A.-Cu.	Cu. NE
23	NE	1	NE	1	ENE	2	NNE	1	NE	1	N	1	6	----------	S.-Cu. NE	6	Ci.	Cu.-N.
24	N	1	NE	1	NE	2	W	2	NE	1	ENE	1	0	----------	Cu.	6	Ci.	Cu. E
25	NE	1	ENE	1	ESE	1	SW	2	NE	1	N	1	9	Ci.-S.	S.-Cu. NE	7	A.-Cu. SSE	S.-cf. E
26	NE	1	NE	1	E	2	NNW	1	NE	1	N	1	2	Ci.	Cu.	8	A.-Cu.	S.-Cu. ESE
27	NE	1	N	1	SSE	1	SW	2	ENE	1	NE	1	1	----------	S.-Cu.	4	Ci. SSE	Cu.
28	NE	1	NE	1	SE	1	SW	2	NE	1	NE	1	0	Ci.	Cu.	2	----------	Cu. NE
29	NNE	1	NE	1	S	1	SW	2	NE	1	NE	1	3	Ci.	Cu.	2	----------	Cu.
30	N	1	NNE	1	S	2	SSW	2	NNE	1	NE	1	3	Ci.	S.-Cu.	7	Ci.	S.-cf. ENE
31	NE	1	NE	1	S	2	W	2	NE	1	NE	1	3	Ci.	S.-Cu.	7	Ci.-S.	Cu.-N. E
Mean	------	1	------	1	------	1.5	------	1.9	------	1	------	1	4.4	----------	----------	6.3	----------	----------

CALBAYOG.

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.80 mm.]

FEBRUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.46	58.27	59.06	56.58	57.43	58.80	21.2	20.3	28.7	29.9	27.1	23.7	31.6	20.1	96	97	70	67	80	87	------
2	58.64	59.07	60.24	57.93	58.45	59.37	21.8	20.5	27.6	29.3	26.4	22.8	30.7	20.3	96	97	68	60	75	89	------
3	59.04	59.31	60.13	58.46	58.88	60.48	20.5	19.3	29	30.4	25.8	22.9	31.7	19.1	93	94	68	66	84	93	------
4	59.83	60.05	60.89	58.78	60.05	61.05	22	21.9	29.5	30.8	25.7	23.8	31.8	21.7	95	96	68	64	86	92	3
5	60.15	60.63	60.98	58.83	59.45	60.09	22.6	21.7	29.2	30.5	26	23	31.2	21.5	96	96	67	58	78	90	------
6	59.09	59.04	59.29	57.84	58.61	59.70	21.7	21.5	28.3	26.8	23.9	23.3	29.3	21.3	96	96	75	86	93	95	29.5
7	58.80	59.89	60.88	58.79	59.12	60.16	23	22.9	26.5	28.1	24.6	21.7	30.4	21.5	90	90	78	69	77	91	------
8	59.88	60.06	61	58.80	59.07	60.22	21.5	20.3	25.8	27.7	24.5	21	28.8	20.1	92	95	73	63	80	93	------
9	59.37	59.50	60.53	58.33	59.02	60.69	19.5	19.8	27.7	28.6	24.7	22.9	30.4	19	95	97	69	75	93	95	8.1
10	59.96	60.69	61.52	59.51	60.32	61.63	22.4	21.9	28.4	28.5	25.9	24.2	31.3	21.7	96	96	79	79	87	94	16.7
11	60.90	61.39	62.24	60.28	61.33	62.64	22.7	22.6	27.3	29.2	24.9	24.1	30.8	22.3	96	97	78	74	91	92	9.4
12	61.45	62	62.30	60.18	60.89	62.29	22.9	22.8	28	27.5	23.7	23.1	29.3	22	95	96	73	83	93	95	14.3
13	61.36	61.25	62.14	59.93	60.09	61.25	21.2	19.7	28.4	29.7	24.2	22.2	30.6	19.4	96	96	65	63	81	92	------
14	60	60.07	60.37	57.83	58.24	59.37	20.9	20.4	26.7	28.8	25.2	24.3	29.5	20.2	96	96	84	77	86	91	9.4
15	58.08	58.18	58.81	57	57.31	58.42	23.6	23.3	24.7	25.9	24.6	24.2	26.2	23.1	95	97	95	92	88	90	7.4
16	57.56	57.60	58.62	57.07	57.12	58.12	23.9	23.7	25.3	24.2	24.3	23.2	25.9	22.8	96	97	94	96	95	96	41.7
17	57.48	57.46	58.54	56.59	57.38	58.76	22.9	22.7	27.5	27.2	26.5	24.7	32.4	22.5	96	97	81	88	89	94	15
18	57.80	58.02	58.94	56.80	58.42	59.44	23.2	22.5	28.3	30	25.5	24.1	31.2	22.3	96	96	82	75	93	95	1.5
19	58.35	59.31	60.20	58.77	59.38	61.59	23.9	23.6	28.7	25.9	24	23.5	30	23	96	97	75	90	88	91	47
20	60.61	60.69	61.50	59.59	59.85	61.39	23.1	22.8	24.4	26.2	24.4	23.7	27.6	22.6	96	97	92	81	87	92	80.3
21	60.20	60.73	61.56	58.88	59.64	60.96	23.2	22.5	22.8	23.5	23.1	23	24	22.3	95	96	96	93	89	89	49.6
22	59.22	58.98	59.85	57.46	58.11	59.94	23	22.9	25.9	25.9	24	23.4	27.6	22.7	95	97	88	87	91	94	3.6
23	58.73	59.39	60.59	58.55	59.28	61.58	22.7	21.5	28.2	27.4	24.1	23.1	29.4	21.4	95	96	81	84	92	93	4.5
24	60.50	60.82	62.14	59.76	60.10	61.20	21.6	20.3	27	28.3	25.7	24	30	20.1	96	95	75	68	83	93	1.5
25	59.85	60.10	60.78	58.14	58.92	59.91	23	23.5	27.9	29.4	25.5	24.5	30.7	22.9	95	96	78	66	84	92	------
26	58.26	58.43	60.02	57.64	58.27	59.99	24	23.9	26.6	31	25.2	24	31.5	23.4	95	94	91	71	83	91	4.3
27	58.88	59.13	60.33	58.17	58.46	59.88	23.5	23.4	26.7	26.3	25.5	24.2	27.7	23.2	96	97	86	89	85	91	1.1
28	58.86	59.23	59.91	58.38	58.51	60.03	23.5	23.3	29	27.4	26.3	24	30.9	23.1	96	97	74	85	85	93	9.4
Mean	59.30	59.62	60.48	58.39	58.99	60.33	22.5	22	27.3	28	25	23.4	29.7	21.6	95.2	96	78.7	76.8	86.3	92.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	357.3

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.				2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.			Amount.	Form and direction.		
														Upper.	Lower.			Upper.	Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*				*0–10*			
1	NNE	1	N	1	SE	1	SSW	2	NE	1	N	1	5	Ci.	S.-Cu.		6	Ci.	Cu.	NE
2	N	1	NNE	1	S	1	S	2	NNE	1	NNE	1	2	Ci.	S.-Cu.		5	----------	cu.	NE by E
3	N	1	N	1	ENE	2	ENE	2	NE	1	NE	1	5	Ci.-S.	S.-Cu.		7	Ci.-S.	Cu.	NE
4	NE	1	ENE	1	NE	2	ENE	2	ENE	1	NE	1	4	Ci.	Cu.		7	Ci.-S.	cu.	NE by E
5	NE	1	NE	1	NE	2	NE	2	NE	1	NE	1	7	Ci.-S.	Fr.-S.		4	Ci.	Cu.	NE
6	NE	1	NNE	1	NE	2	NE	1	ENE	1	NE	1	7	Ci.-S.	s.-cu.	ENE	9	Ci.-S.	N.	NE
7	NNE	1	NE	1	ENE	2	NE	3	NE	1	N	1	10	A.-Cu.	S.-Cu.	NE	7	Ci.-S.	s.-cu.	NE
8	NE	1	N	1	ENE	2	ENE	2	ENE	1	N	1	5	Ci.-S.	Fr.-S.		8	Ci.-S.	s.-cu.	NNE
9	NNE	1	N	1	NE	3	NE	3	NE	1	NE	1	3	Ci.	S.-Cu.		6	Ci.	s.-cu.	NE
10	N	1	NNE	1	ENE	2	ENE	2	NE	1	NE	1	8	A.-Cu.	S.-Cu.	NE	6	Ci.-S.	s.-cu.	NE
11	NE	1	NNE	1	S	1	W	1	NE	1	NE	1	9	A.-Cu.	S.-Cu.	NE	7	Ci.-S.	SE	Cu.
12	NE	1	NE	1	E	2	SW	1	E	1	NE	1	9	Ci.-S.	N.	NE	7	A.-Cu.	s.-cu.	NE
13	NNE	1	NNE	1	NE	2	N	3	N	1	N	1	5	Ci.-S.	SE		6	Ci.-S.	Cu.	NE
14	NNE	1	NE	1	ENE	1	NE	2	NE	1	N	1	9	Ci.-S.	S.-Cu.	NE	9	Ci.-S.	s.-cu.	NE
15	N	1	N	1	N	1	NNW	1	N	1	NNE	1	10	A.-Cu.	N.	NE	10	A.-Cu.	N.	N
16	N	1	N	1	NE	1	NNE	1	NNE	1	NNE	1	10	A.-Cu.	N.	N	10	A.-Cu.	Fr.-N.	N
17	NE	1	NE	1	S	1	NE	1	ENE	1	NE	1	7	A.-Cu.	S.-Cu.	NE	8	A.-Cu.	N.	NE
18	NNE	1	NNE	1	ESE	1	NNW	2	ENE	1	NNE	1	2	Ci.	Cu.		7	Ci.-S.	Cu.-N.	N
19	NNE	1	NE	1	E	1	N	2	NE	1	NE	1	9	Ci.-S.	s.-cu.	ENE	10	A.-Cu.	N.	N
20	NE	1	NE	1	NE	2	NE	3	NNE	1	NE	1	10	----------	N.	NE	10	A.-Cu.	S.-Cu.	NE
21	NE	1	ENE	1	NNE	1	NNE	1	NE	1	NE	1	10	A.-Cu.	N.	NNE	10	A.-Cu.	N.	N
22	NE	1	NE	1	NNE	2	N	2	N	2	N	1	9	A.-Cu.	S.-Cu.	NE	10	A.-Cu.	N.	NNE
23	N	1	N	1	N	2	NNE	2	NNE	1	N	1	9	Ci.-S.	S.-Cu.	N	8	Ci.-S.	N.	N
24	N	1	N	1	NNE	3	N	2	NNE	1	N	1	3	Ci.-S.	S.-Cu.		8	Ci.-S.	S.-Cu.	N
25	NNW	1	NW	2	NW	2	WNW	3	NW	1	NNW	1	6	Ci.-S.	s.-cu.	NNW	7	Ci.-S.	s.-cu.	NW
26	NW	1	NW	1	W	2	WNW	2	NE	1	NE	1	9	Ci.-S.	S.-Cu.	NW	8	Ci.-S.	s.-cf.	WNW
27	NE	1	NNE	1	S	1	N	1	NE	1	NE	1	10	A.-Cu.	N.	N	10	A.-Cu.	N.	N
28	NE	1	NE	1	NNW	1	N	1	NE	1	NE	1	6	Ci.-S.	S.-Cu.	N	9	Ci.-S.	N.	N
Mean	------	1	------	1	------	1.6	------	1.9	------	1	------	1	7.1	----------	----------		7.8	----------	----------	

CALBAYOG.

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.80 mm.]

MARCH, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.03	60.14	61.20	58.77	59	60.33	23	22.2	27.7	30	26.6	23.9	31.6	22.1	95	96	82	68	86	89	------
2	59.14	59.95	60.79	59.11	59.30	60.46	22.3	21.4	26.2	25.7	24.2	23.5	29.2	21.3	96	95	82	88	93	94	15.5
3	59.68	59.92	60.80	58.88	59.71	61.74	21.9	20.4	26.2	27.6	24.4	22.5	29.1	20.2	96	96	77	81	87	90	------
4	60.71	60.82	61.62	59.53	60.24	61.80	22	21.9	28	30.2	25	21.5	31.2	20	93	93	67	59	70	94	------
5	61.07	61.56	62.09	60.01	60.19	61.37	19.8	18.7	28.5	28.7	25.7	20.4	32.2	18.5	95	96	61	69	69	90	------
6	60.86	60.76	61.58	59.41	59.10	60.30	18.7	17.9	26.9	29.1	26	21.2	30.6	17.7	95	96	67	63	69	86	------
7	59.86	60.11	60.83	58.55	59.42	60.47	19.2	18.3	28	28.9	25.4	22	31.2	18.1	94	95	59	60	80	90	------
8	59.32	60.11	60.84	58.34	58.81	59.75	21.7	19.9	27.1	29.2	26.1	23.8	31.2	19.7	91	93	74	68	79	86	------
9	59.03	59.63	60.49	58.43	58.75	59.88	22.7	21.3	30	31.4	26.5	23.6	32.4	21.1	92	95	81	68	83	92	1
10	58.99	59.18	59.32	57.50	58.01	59.66	22.3	21.5	25.9	27.2	25.6	23.9	27.6	21.3	93	95	87	89	93	94	4.8
11	58.07	58.20	59.36	57.50	57.50	59.70	23.7	23	26	26.5	25.8	25.3	30.2	22.8	92	94	74	86	76	93	3.8
12	58.96	59.71	61.39	59.79	59.58	61.59	23.7	22.9	28.9	26.3	27.4	23.2	30.4	21.6	95	95	80	83	82	92	1.3
13	61.02	61.29	61.98	59.69	59.79	61.23	21.2	22.2	27.8	27.3	26.5	22.9	29.9	20.9	95	96	69	76	78	94	------
14	60.04	60.20	60.73	58.82	58.64	59.95	22.9	20.5	29.9	29	27.3	23.1	32.6	20.3	95	96	71	70	86	92	------
15	59.17	59.29	60.04	57.86	58.08	59.86	22	21	28.6	29.9	26.1	24.2	31.4	20.8	96	96	72	70	86	92	------
16	59.03	59.24	59.92	58.03	59.12	59.93	22.7	21.7	29.4	30.6	26.7	24.8	33.2	21.5	95	96	74	82	81	91	5.8
17	58.91	59.12	60.21	58.60	58.82	60.05	23.8	22.7	28.5	28	27.2	24.6	31.1	22.5	94	96	75	66	78	84	------
18	59.03	59.58	60.34	58.76	58.48	60.47	23.1	21.9	28.2	31.4	27.4	25.7	31.9	21.6	96	96	69	53	74	88	------
19	59.22	60.12	60.93	59.15	59.28	60.86	23.2	22.2	29.5	31	27	22.9	33.2	21.8	95	95	62	56	87	93	------
20	60.09	60.65	61.08	59.01	59.78	60.91	21.5	20.8	30.4	31.9	25.2	23.9	33	20.6	95	96	63	65	78	91	------
21	60.06	60.47	61.39	59.10	60.12	61.17	22.1	20.9	31.4	31.5	26.3	23.9	34.1	20.8	95	96	64	54	76	87	------
22	60.13	60.59	61.37	59.21	59.73	61.10	23.6	23	30.9	31.8	27.7	24.8	33.7	22.7	92	95	64	69	77	92	------
23	60.11	60.93	61.56	59.26	59.36	60.73	23	21.7	30.3	30	27.2	23.8	33.1	21.5	95	96	71	60	83	91	2
24	59.73	60.52	61.44	59.36	59.62	60.99	22	21.6	29.5	30.8	26.8	23.8	33.2	21.4	95	96	65	96	89	94	28.4
25	60.08	60.60	61.21	59.67	60.79	61.73	22.1	21.7	30.8	25	24.3	22.6	31.9	21.5	96	96	70	79	91	96	20.8
26	60.79	61.45	62.21	60.32	61.25	62.21	21.6	21.8	28.8	27.3	22.5	22.5	30.3	21	96	97	77	83	93	95	5.3
27	61.07	61.65	63.03	61.37	61.15	62.58	22.1	21.8	26.8	26.6	24.8	23.1	28	21.6	96	96	86	81	83	93	13.2
28	61.20	61.30	62.30	60.40	60.78	62.15	22.1	21.6	25.7	27.4	26.5	23.9	30.1	21.4	96	97	69	62	78	93	------
29	60.99	60.96	61.86	59.95	60.75	62.13	23	22.9	29.9	31.4	26.4	23.9	32.1	22.7	96	97	69	62	80	91	------
30	61.11	61.47	61.22	59.62	59.92	61.19	22.6	22	29.4	30	25.6	23.5	31.1	21.7	94	96	63	62	80	91	------
31	59.61	59.53	60.01	57.58	57.35	58.68	22.9	22.5	30.1	31.4	26.5	25.5	32.2	22.3	94	96	69	66	83	90	2.8
Mean	59.87	60.29	61.07	59.08	59.43	60.81	22.2	21.4	28.6	29.1	26	23.5	31.4	21.1	94.6	95.5	71.3	70.6	81.3	91	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	104.7

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	NE	1	NE	1	NW	2	W	2	NE	1	NE	1	1		S.-Cu.	8	Ci.-S.	S.-cf. NNW
2	NE	1	NE	1	N	1	NNW	1	ENE	1	NE	1	5	Ci.	S.-Cu. N	9	Ci.-S.	N. N
3	NE	1	NE	1	S	1	NE	1	ENE	1	NE	1	0		S.-Cu.	8	Ci.-S.	S.-Cu. NE
4	NE	1	ENE	1	E	2	ENE	2	ENE	1	N	1	5	Ci.	S.-Cu. ESE	7	A.-Cu. SE	Cu. NE
5	NE	1	NE	1	ENE	2	W	2	NE	1	N	1	1	Ci.		4		Cu. NE
6	N	1	N	1	S	1	SW	2	NE	1	N	1	2	Ci.		4	Ci. SE	Cu.
7	N	1	N	1	NE	2	SW	2	NE	1	NE	1	3	Ci.	S.-Cu.	7	Ci.-S.	S.-cf. NE
8	N	1	N	1	SSE	1	NW	2	NE	1	N	1	0		Cu.	5		Cu. N
9	NE	1	NE	1	NE	2	NE	2	NE	2	NE	1	4		S.-Cu. NE	7		Cu. ENE
10	NNE	1	NE	1	N	2	E	1	NE	1	NE	1	8	A.-Cu.	S.-Cu. ENE	10	A.-Cu.	S.-cu. NNW
11	NE	1	Calm	----	WNW	1	W	2	SW	2	E	1	10	Ci.-S.	S.-Cu.	10	A.-Cu.	N. E
12	ENE	1	E	1	S	1	E	1	E	1	NE	1	5	Ci.	S.-Cu. SSE	9	A.-Cu.	S.-Cu. SE
13	NE	1	NE	1	S	1	SE	1	NE	1	NE	1	6		S.-Cu. E	8	A.-Cu.	S.-Cu. E
14	N	1	N	1	NE	2	SSW	2	NE	1	N	1	0		Cu.	7		S.-cf. ENE
15	N	1	N	1	SSE	1	SW	2	NE	1	N	1	0		Cu.	7		S.-cf. ENE
16	N	1	NNE	1	S	1	SW	2	ENE	1	N	1	0		Cu.	6	A.-Cu. SE	Cu.-N.
17	NE	1	NE	1	S	1	WNW	1	NE	1	NE	1	5	Ci.	S.-Cu. ENE	7	Ci.-S.	cu.-N.ENE
18	NE	1	NE	1	S	1	SW	1	NE	1	NE	1	3	Ci.	S.-Cu.	6	A.-Cu. SE	Cu.-N.
19	NNE	1	NE	1	NE	1	ENE	2	ENE	1	N	1	4		S.-Cu. N	4		Cu. NbyE
20	N	1	NNE	1	NE	2	ENE	2	NE	1	NE	1	0		Cu.	7		Cu. NE
21	NNE	1	NNE	1	ENE	2	NE	2	NE	1	NE	1	0		Cu.	7		Cu. NE
22	NE	1	NE	1	NE	2	ENE	2	NE	1	NE	1	6	Ci.	S.-Cu. E	5		Cu. NE
23	NNE	1	NE	1	NE	2	SW	2	NE	1	NE	1	2	Ci.	S.-Cu.	7		S.-cf. NE
24	NE	1	NE	1	NE	1	NE	2	NE	1	NE	1	5	Ci.-S.	S.-Cu. N	7	A.-Cu.	Cu. NE
25	NNE	1	NNE	1	NE	2	NNE	1	NE	1	NNE	1	0		Cu.	8	Ci.-S.	S.-Cu. NE
26	NE	1	NE	1	S	1	NNE	2	NE	1	NE	1	7	A.-Cu. E	S.-Cu. NE	8	A.-Cu.	S.-Cu. E
27	NNE	1	NE	1	ENE	2	E	1	NNE	1	NNE	1	7	A.-Cu. E	S.-Cu.	9	A.-Cu.	N. E
28	NNE	1	NNE	1	E	1	ENE	1	NE	1	NE	1	3		S.-Cu. E	8	A.-Cu.	S.-Cu. E
29	NE	1	NE	1	NE	3	NE	2	ENE	2	N	1	0		Cu.	3	Ci.	Cu.
30	NNE	1	NE	1	ENE	2	ENE	2	NE	2	NE	1	6	Ci.-S. SE		7	Ci.-S.	S.-cf. ENE
31	NNE	1	NE	1	NE	2	NNE	2	NNE	2	ENE	1	9	Ci.-S.	S.-Cu.	8	Ci.-S.	S.-cf. NE
Mean	------	1	------	1	------	1.5	------	1.7	------	1.2	------	1	3.5	----------	----------	7	----------	----------

CALBAYOG.

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 5.5 meters; gravity correction not applied, −1.80 mm.]

APRIL, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.25	57.35	58.05	56.16	57.29	58.90	24.7	24.5	25	30.5	26.2	24.7	32.2	22.3	95	96	88	68	89	92	10.2
2	57.93	58.29	59.34	57.60	58.33	59.71	22.9	22.6	26	26.5	24.8	23	30	22.3	96	97	89	88	92	96	13.1
3	58.66	58.64	59.54	58.52	59.33	60.36	22.3	21.9	29	27.4	26.6	24.3	31.4	21.7	96	97	76	87	85	91	8.6
4	59.29	59.24	59.99	57.91	58.43	59.80	22.1	22.3	30.6	29.3	26.2	23.9	32.7	21.5	96	96	72	81	85	93	------
5	58.77	58.68	59.37	58.12	58.32	59.56	22.4	22.9	28.8	25.6	24.7	23.9	31.1	22.2	96	97	83	94	90	95	28.7
6	58.72	58.94	59.59	58.41	57.39	59.48	23.1	22.4	29.7	31.4	26.1	24.5	32.2	22.2	97	97	69	59	80	88	------
7	58.26	58.33	58.98	56.27	57.48	58.81	23.8	23.4	30.9	32.1	26.4	25.3	33.4	23.2	92	94	67	63	90	92	.5
8	58.09	58.26	58.72	56.56	56.83	58.60	24	23.7	29.7	29.5	26	24.7	31.1	23.4	95	96	73	82	93	94	33.2
9	57.77	57.77	58.35	56.41	57.28	58.04	23.3	22.9	29	28.4	26.5	24.5	30.4	22.7	96	97	76	81	89	94	6.6
10	57.06	57.66	58.50	56.42	56.68	58.51	23.3	23.5	27.4	27.8	27.5	24	29.7	23.1	96	97	90	83	86	95	19.6
11	57.43	57.32	58.29	55.94	56.77	58.59	23	22.7	29	30.6	27.4	25.2	31.4	22.5	96	97	76	70	81	90	------
12	57.88	58.47	59.36	57.13	57.05	59.17	23.4	22.8	29.3	27.2	27.8	24.7	30.9	22.5	95	97	74	90	86	91	8.4
13	58.98	58.98	59.92	58.11	57.92	59.26	22.7	21.5	29.1	29.7	27.1	24.6	31.5	21.3	95	96	70	77	85	93	------
14	58.77	58.39	58.94	56.97	56.98	58.80	22.8	22.7	29	32.2	26.7	24.7	32.7	22.5	96	97	76	66	85	92	------
15	58.28	57.62	58.48	56.47	57.30	58.97	23.5	22.5	29.2	31.7	29.5	24.4	33.4	22.3	95	97	74	67	75	91	------
16	58.73	58.76	59.26	56.99	57.68	59.35	22.8	22	29.5	31.3	28.9	24.7	32.7	21.8	95	96	70	68	76	91	------
17	58.88	59.37	59.53	57.02	57.28	59.04	23.1	22.7	29.5	31.1	28	25.3	32.5	22.5	94	97	68	61	79	86	------
18	58.53	58.66	59.56	57.21	58.15	59.65	23	22.5	29.5	30.7	26.2	24.7	32.8	22.3	95	96	70	63	84	92	------
19	58.66	58.97	59.87	58.29	59.70	60.90	23.1	22.6	29.7	30.3	26	24.8	32	22.4	95	96	67	62	89	92	1.5
20	60	60.34	60.64	59.33	59.59	60.98	23	22.7	30.5	28	26.4	24.9	32.1	22.5	95	97	66	81	88	92	------
21	60.28	60.40	60.62	59	59.67	59.89	24	23.6	29.5	28.9	26.8	24.9	31.5	23.3	94	96	78	81	86	92	7.9
22	59.04	59.01	58.97	56.17	54.30	56.88	24.1	24	25.1	21.7	22.3	23.3	25.5	20.3	96	96	95	90	96	90	79.3
23	55.98	56.61	58.13	56.44	57.33	59.02	23.9	24.9	28.5	31.1	27.6	26.9	32.2	23.3	89	84	71	68	81	83	------
24	58.42	58.67	59.69	57.37	58.19	59.80	23.9	23.5	30.1	31.5	29.4	26.2	32.2	23.3	93	95	72	59	72	90	------
25	58.95	59.69	60.76	58.53	59.33	60.90	24.6	24.2	29.7	31	29.2	25.7	31.9	23.9	94	96	75	67	76	93	1.3
26	59.83	60.38	61.07	58.58	59.03	60.48	24.7	24.5	29.5	31	29	25.5	32.1	24.3	93	94	76	70	78	88	------
27	59.01	59.30	59.79	57.44	57.81	59.08	23.9	23.7	30.3	31.4	29.3	26	32.5	23.1	94	96	74	69	72	91	------
28	57.95	57.91	58.79	57.10	57.27	58.98	24.3	27.2	30.7	31.8	29	25.2	32.7	23.8	94	84	71	66	73	92	------
29	58.60	58.41	59.02	57.02	57.39	58.88	24.3	24.1	30.4	31.7	29.1	25.8	32.8	23.9	95	95	72	66	79	92	------
30	58.22	58.56	59.13	57.63	58.50	59.65	24.1	23.7	29.9	31.3	27.6	25.2	33.5	23.5	95	96	74	70	85	94	------
Mean	58.47	58.63	59.34	57.37	57.82	59.33	23.5	23.3	29.1	29.8	27.1	24.8	31.8	22.7	94.8	95.4	75.1	73.2	83.5	91.5	------
Total	-------	-------	-------	-------	-------	-------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	218.9

Day.	Wind.										Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10. p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	ENE	1	NNW	1	NE	2	ENE	2	ENE	1	NE	1	10	Ci.-S.	N. N	7	Ci.-S.	Cu.-N.NE
2	NE	1	NE	1	ENE	1	NE	1	NE	1	NE	1	7	A.-Cu.	S.-Cu.ENE	9	A.-Cu.	N. NE
3	NNE	1	NE	1	S	1	ENE	1	NE	1	NE	1	6	Ci.-S.	S.-Cu.ENE	8	Ci.-S.	S.-Cu. E
4	NE	1	NE	1	E	1	SSW	2	NE	1	NNE	1	6	Ci.-S.	S.-Cu.ENE	8	Ci.-S.	S.-cf. ENE
5	NNE	1	NE	1	NE	1	NE	1	E	1	NE	1	5	Ci.-S.	S.-Cu.ENE	9	Ci.-S.	N. NE
6	NE	1	NE	1	NE	2	E	2	NE	3	NNE	1	7	Ci.-S.	S.-Cu. NE	7	Ci.-S.	S.-cf. ENE
7	NNE	1	NE	1	ENE	2	NE	3	NE	1	NE	1	5	Ci.	S.-Cu.	6	----------	S.-cf. NE
8	NE	1	ENE	1	S	1	ENE	1	ENE	1	NE	1	2	----------	S.-Cu.	8	Ci.-S.	N. NE
9	NE	1	NE	1	S	1	E	1	ENE	1	NE	1	4	----------	S.-Cu. E	7	Ci.-S	N. E
10	NE	1	NE	1	S	1	E	1	E	1	NE	1	8	Ci.-S.	S.-Cu. E	8	A.-Cu.	S.-Cu. E
11	NE	1	NE	1	SE	1	S	1	ENE	1	NE	1	3	A.-Cu.	S.-Cu.	2	----------	Cu.
12	NNE	1	NNE	1	ESE	1	N	1	NNE	1	NNE	1	2	Ci.	S.-Cu.	8	Ci.-S.	N. E
13	NNE	1	NNE	1	SE	1	NE	1	NE	1	NE	1	2	Ci.	S.-Cu.	7	Ci.-S.	S.-Cu. E
14	NNE	1	NE	1	S	1	SW	2	NE	1	NE	1	2	Ci.	----------	5	Ci.	Cu. ENE
15	NNE	1	NNE	1	S	1	SW	2	ESE	1	NNE	1	2	Ci.	S.-Cu.	2	Ci.	Cu.
16	N	1	NE	1	S	1	SW	2	ENE	1	NE	1	2	Ci.	S.-Cu.	2	Ci.	Cu.
17	NNE	1	NNE	1	SE	1	W	2	NNE	1	NNE	1	5	Ci.-S.	S.-Cu.	4	Ci.	Cu.
18	NE	1	NE	1	SSE	1	W	2	NE	1	NE	1	4	Ci.	----------	5	Ci. SEbyE	Cu.
19	NNE	1	NE	1	ESE	1	SW	2	NE	1	NNE	1	6	Ci. SE	S.-Cu.	7	Ci.-S.	Cu.
20	NE	1	NE	1	ENE	1	SW	2	NE	1	NE	1	7	A.-Cu. SE	S.-Cu.	8	A.-Cu.	S.-Cu. ENE
21	NNE	1	NE	1	NE	2	NE	1	ENE	1	NE	1	9	A.-Cu.	S.-Cu.ENE	9	A.-Cu.	S.-Cu. NE
22	NE	1	NE	1	NE	1	NW	1	NW	4	SW	6	10	Ci.-S.	S.-Cu. NE	10	----------	N. N
23	SSW	5	SSW	3	S	2	SE	2	SSW	2	SE	1	8	Ci.-S.	S.-Cu. SW	6	A.-Cu. SSW	Cu.
24	ESE	1	ENE	1	SSE	1	S	1	S	1	ENE	1	1	----------	Cu.	1	----------	Cu.
25	ENE	1	NE	1	SSW	2	SSW	2	SE	1	NE	1	4	----------	S.-Cu.SSW	6	Ci. NNW	Cu.
26	ENE	1	NE	1	S	1	SW	2	SE	1	NE	1	8	Ci.-S.	S.-Cu. SW	6	Ci.-S.	Cu.
27	ENE	1	E	1	S	1	SW	1	ESE	1	ENE	1	5	Ci.	S.-Cu. SW	3	Ci.	Cu.
28	ENE	1	SW	2	SW	2	WSW	2	SW	1	NE	1	6	Ci.	S.-Cu. SW	5	Ci.	Cu. W
29	NE	1	N	1	W	2	WSW	2	ENE	1	NE	1	3	Ci.	S.-Cu.	4	Ci.	Cu.
30	NNE	1	NNE	1	S	1	W	2	NNE	1	N	1	6	Ci.-S.	s.-cu. NNW	5	Ci.-S.	Cu. NNW
Mean	-------	1.1	-------	1.1	-------	1.3	-------	1.6	-------	1.2	-------	1.2	5.2	----------	----------	6.1	----------	----------

CALBAYOG.

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.80 mm.]

MAY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.82	58.87	59.84	57.63	57.98	59.76	23.8	23.2	27.9	30	27.9	25.3	31.5	22.9	94	96	82	76	79	93	13.2
2	58.43	58.53	58.68	56.63	57.59	58.62	24.2	22.8	28.5	29.5	27	24.8	31.7	22.5	96	97	71	76	88	92	6.4
3	57.84	57.82	58.85	56.82	57.92	59.57	23.7	22.7	28.4	29.7	25.4	24.4	31.1	22.5	96	97	78	75	90	94	1.3
4	58.98	59.20	59.64	58.87	59.69	60.96	23.3	23.1	29.7	26.1	25	23.9	30.8	22.9	96	97	74	90	92	95	5.8
5	59.91	60.44	61.07	59.22	59.71	60.97	23.3	23.2	30.3	29.5	26.2	24.7	31.1	22.9	96	96	72	75	85	92	------
6	59.85	60.31	60.44	58.68	59.13	60.35	23.5	23.1	30	27.8	24.7	23.7	31.3	22.8	95	97	70	82	93	95	7.4
7	59.24	60	60.59	58.32	58.89	60.96	23.1	23.5	28.5	29.5	28.4	25	30.7	22.8	97	97	78	72	72	90	------
8	59.47	59.34	59.92	57.30	58.28	59.80	23.7	23	29.5	31.1	29.4	25.9	31.7	22.7	93	96	72	62	73	92	------
9	58.91	59.56	60.44	57.64	58.36	59.91	23.9	23.6	30.7	32	26.9	25	32.7	23.1	94	95	65	61	79	91	------
10	58.92	59.32	60.24	58.04	58.69	60.18	23.9	23.7	30.4	30.5	27.1	24.7	32.7	22.9	96	97	68	68	83	93	------
11	58.92	58.88	59.63	57.91	58.21	59.65	23.7	23.1	29.4	25.9	26.6	24.6	30.4	22.8	95	97	76	89	90	93	6.1
12	58.94	58.83	58.75	56.93	57.64	59.56	23.9	23.3	29.6	27.3	27.3	24.7	32.7	23.1	95	97	77	85	82	93	11.4
13	58.77	58.99	59.50	57.80	57.61	59.35	23.7	23.5	28.1	29	27.6	24.6	29.9	23.2	96	97	83	74	81	94	1.3
14	58.54	57.79	58.91	57.82	58.41	59.19	23.4	23.3	29.9	25.6	24.7	23.9	30.7	23.1	96	97	72	90	91	94	1.8
15	58.73	58.44	59.20	57.73	57.64	59.23	23.6	23	29	30	28.1	25.2	31.2	22.8	95	97	74	69	80	92	------
16	58.87	58.92	59.93	59.37	57.65	59.21	24.2	23.9	29.7	26	26.2	24.7	30.5	23.7	96	97	74	89	89	93	14.5
17	58.18	58.44	58.93	57.57	57.63	58.86	23	22.5	29.3	25.8	26.8	24.7	31.2	22.3	96	96	74	85	81	92	.8
18	57.69	57.63	58.38	56.29	57.31	58.67	23.6	22.4	29.8	30.9	26	24.4	31.6	22.2	96	96	71	67	89	93	------
19	57.86	58.27	58.43	56.39	57.55	58.78	23.1	22.9	29.9	31.3	26.6	25	31.7	22.6	96	97	70	64	90	92	6.1
20	57.81	58.03	58.60	56.75	57.76	59.33	23.9	23.2	29.7	30	27.7	25	32	22.9	95	97	74	73	84	93	------
21	58.35	58.31	58.72	56.58	57.54	58.90	23.9	23.4	29.9	32	26.4	24.8	32.7	23.2	95	97	73	61	86	96	14.5
22	57.94	57.93	58.05	56.70	57	58.45	23.7	23.4	29.9	27.8	27.9	25	31.3	23.2	96	97	73	87	86	94	7.6
23	57.77	58.03	58.40	56.54	56.39	58.42	23.7	23.2	30.6	27.7	27.5	24.9	31.6	23	96	97	72	74	87	92	19.6
24	57.34	57.29	57.81	56.07	56.34	58.25	23.6	23.3	30.2	31.7	26.7	24.9	32.1	23.1	96	97	70	65	86	93	------
25	57.89	57.94	58.98	57.39	57.76	58.97	23.7	23.3	30.7	26.4	27.4	24.9	32	23.1	96	97	67	90	86	94	3.8
26	58.52	58.25	58.96	57.47	57.79	59.63	23.6	23.1	30.5	29.5	28.9	26.2	31.7	22.9	96	96	70	72	78	91	------
27	59.13	59.03	59.02	57.07	57.14	59.09	24.6	24	30.9	32.5	29.7	26.9	32.9	23.7	95	97	69	59	77	86	------
28	58.65	58.57	58.62	56.58	56.79	58.75	25.5	24.3	30.7	31.7	29.6	26.6	33.1	24	94	95	68	59	70	87	------
29	57.72	57.66	58.29	56.33	56.42	57.98	24.9	23.8	30.5	31.7	29.5	26.3	32.7	23.6	92	94	68	64	74	90	------
30	57.55	57.81	58.02	56.27	57.17	58.93	24.5	23.5	31.4	32.1	28.7	26	33	23.3	94	96	66	54	79	92	------
31	57.98	58.31	58.60	57.39	57.77	59.10	25	24.1	30.4	31.5	28.7	25.9	32.6	23.9	92	93	68	63	79	92	------
Mean	58.50	58.60	59.14	57.36	57.80	59.33	23.8	23.3	29.8	29.4	27.3	25.1	31.7	23	95.2	96.4	72.2	73.2	83.2	92.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	121.6

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
		0–12		0–12		0–12		0–12		0–12		0–12	0–10			0–10		
1	N	1	N	1	SSW	2	W	1	E	1	NE	1	3	Ci.	Cu.	5	Ci.	Cu.
2	NE	1	NNE	1	W	2	SW	2	ESE	2	SE	1	6		S.-Cu. N	6		S.-cf. NE
3	NE	1	NNE	1	S	1	SW	2	NE	1	NE	1	6	Ci.-S. NE	Cu.	7	Ci.-S.	Cu.-N. E
4	NE	1	NE	1	S	1	NE	1	N	1	N	1	6		S.-Cu. E	9	Ci.-S.	S.-Cu. E
5	N	1	NNE	1	SSE	1	E	1	E	1	ENE	1	7	Ci.-S.	S.-Cu.	7	Ci.-S.	Cu.-N.
6	N	1	N	1	S	1	NE	1	N	1	N	1	2	Ci.	Cu.	7	Ci.-S.	Cu.-N. E
7	N	1	Calm	----	S	1	SW	2	E	1	NE	1	8	A.-Cu.	S.-Cu. SE	6	Ci.-S.	Cu.
8	ENE	1	E	1	S	1	SW	2	Calm	----	ENE	1	6	Ci.-S.	Cu.	5	Ci.-S. NE	Cu.
9	ENE	1	E	1	S	2	SW	2	ENE	1	NE	1	1		S.-Cu.	4	Ci.	Cu.
10	NNE	1	NNE	1	S	1	SW	2	ESE	1	NE	1	5	Ci. N	Cu.	7	Ci.-S.	Cu.-N.
11	NE	1	NE	1	S	1	E	1	Calm	----	NE	1	2	Ci.	Cu.	9	A.-S.	Cu.-N.
12	ENE	1	E	1	S	1	W	1	E	1	NE	1	3	Ci.	Cu.	7	Ci.-S.	cu.-N. ESE
13	ENE	1	E	1	SE	1	ESE	1	Calm	----	NE	1	6	Ci.-S.	s.-Cu. ENE	8	Ci.-S.	S.-Cu.
14	NNE	1	N	1	SSW	1	Calm	----	Calm	----	Calm	----	3	Ci.	S.-Cu.	10	A.-Cu.	Fr.-N.
15	Calm	----	Calm	----	SSE	1	Calm	----	Calm	----	N	1	4	A.-Cu.	S.-Cu.	7	Ci.-S.	Cu.-N.
16	N	1	N	1	SE	1	SSE	1	Calm	----	Calm	----	7		S.-Cu. E	10	A.-Cu.	N. SE
17	Calm	----	Calm	----	S	1	N	1	Calm	----	N	1	2	Ci.	S.-Cu.	9	A.-Cu.	S.-Cu. E
18	Calm	----	Calm	----	S	1	SW	1	Calm	----	Calm	----	1		Cu.	1		Cu.
19	N	1	N	1	S	1	SW	1	N	1	Calm	----	2	Ci.	Cu.	1		Cu.
20	NNE	1	N	1	S	1	SE	1	Calm	----	N	1	1		Cu.	7	Ci.-S.	Cu.-N
21	N	1	Calm	----	S	1	SSW	1	N	1	N	1	2	Ci.	Cu.	6	Ci. NE	Cu.
22	N	1	N	1	SSE	1	Calm	----	Calm	----	N	1	0	Ci.	S.-Cu.	7	Ci.-S.	Cu.-N. E
23	N	1	N	1	SSW	2	Calm	----	Calm	----	Calm	----	2	Ci.	S.-Cu.	7	Ci.-S.	Cu.-N.
24	NNE	1	N	1	S	1	SW	1	N	1	N	1	3	Ci.	Cu.	2	Ci.	Cu.
25	N	1	N	1	S	1	N	1	Calm	----	Calm	----	4	Ci.	S.-Cu.	9	Ci.-S.	Fr.-N. E
26	N	1	N	1	S	1	Calm	----	Calm	----	Calm	----	4	Ci.	Cu.	7	Ci.-S.	Cu.-N.
27	NNE	1	N	1	SE	1	S	1	Calm	----	Calm	----	5	Ci.-S.	Cu.	6	Ci.-S. NE	Cu.
28	Calm	----	NNW	1	S	1	SW	1	N	1	Calm	----	5	Ci. N	Cu.	5	Ci. NE	Cu.
29	N	1	N	1	S	1	SW	1	N	1	N	1	4	Ci.	S.-Cu.	6	Ci. NE	Cu.
30	N	1	N	1	S	1	S	1	Calm	----	Calm	----	4	Ci.	Cu.	6	Ci.-S. ESE	Cu.-N.
31	NNE	1	N	1	S	1	SE	1	N	1	Calm	----	4	Ci.-S.	S.-Cu.	7	Ci.-S.	Cu.
Mean	------	0.9	------	0.8	------	1.1	------	1	------	0.5	------	0.6	3.8	----------	----------	6.5	----------	----------

CALBAYOG.

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.80 mm.]

JUNE, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.03	59.07	60.12	57.93	58.63	59.78	24.6	24	26.9	28.4	28	24.8	29.7	23.8	93	96	78	78	79	94	1.8
2	59.49	59.85	60.37	59.07	58.80	59.76	23.4	22.9	29.6	29.6	28.2	25	30.3	22.7	96	97	71	74	81	93	------
3	59.01	59.41	60.23	59.15	59.21	60.92	24	23.4	29.5	27.6	24.7	23.2	31.4	22.8	95	96	72	84	92	96	3.8
4	59.85	59.84	59.74	58.20	58.86	60.44	22.6	22.4	31.7	30.5	27	24.6	32.2	22.2	97	97	65	68	88	94	9.1
5	59.49	59.42	59.34	57.59	58.11	59.73	23.3	23.1	30.8	27.3	26	24.8	31.9	22.8	96	97	67	84	92	94	9.1
6	58.52	58.59	58.90	56.97	57.54	58.77	23.3	23.1	30.2	29.9	26.8	24.9	31.9	22.8	96	97	68	75	85	94	6.1
7	58.03	58.49	58.74	57.40	57.56	58.98	23.4	23.2	29.7	26.2	26.4	24.8	30.9	23	96	96	72	94	92	94	6.6
8	57.93	58.32	58.63	57.32	57.85	58.81	23.4	23	30.1	27.8	26.8	24.7	32.3	22.8	96	97	70	83	88	94	------
9	57.98	58.55	59.42	58.29	58.44	59.74	23.6	23.1	29.5	27	26.8	24.8	32	22.9	95	97	75	85	89	94	.8
10	59.02	59.52	60.15	58.70	58.53	59.78	23.7	23.3	30.9	26.9	27.4	24.8	33	23.1	96	97	69	92	90	95	21.8
11	59.13	59.14	59.60	57.81	58.28	59.38	23.7	23.6	29.6	30.6	26.8	24.4	32.2	23.4	96	97	79	71	89	95	5.1
12	58.43	58.35	58.80	57.96	58.01	59.06	23.9	23.3	29.6	25.6	25.8	24.5	31.6	23.1	96	97	74	89	93	95	2.5
13	58.21	58.20	59.08	57.54	58.17	60.78	23.2	22.9	29.5	30.8	28.8	25.7	32.6	22.7	96	97	76	67	82	90	12.7
14	59.94	59.64	60.05	58.94	58.38	59.81	25.7?	23.7	29.1	29.8	28.6	25.7	31.6	23.5	93	97	78	76	77	93	------
15	59.37	59.63	59.99	58.30	58.14	58.80	25.2	27.2	30.2	31.9	29.5	27.8	32.8	24.2	93	87	74	66	76	81	------
16	57.78	57.60	58.49	56.97	56.60	57.65	26.8	26.9	30.7	29.5	28.6	26.8	31.5	26	86	85	71	77	76	86	2
17	56.70	56.54	56.85	55.54	55.73	57.20	27	27.2	29.7	29.1	27.5	27.7	30.5	26.7	85	84	74	74	78	79	------
18	56.01	56.49	57.30	56.10	56.60	58.49	27.4	27.2	28.3	29.1	28.3	26.7	31.1	26.1	79	79	78	76	77	86	1
19	57.59	57.52	58.63	57.41	57.39	58.79	26.6	24.8	28.8	30.6	29	26.8	31.5	24.6	86	93	76	65	74	86	------
20	57.95	58.90	59.34	57.41	57.62	59.71	25.2	24	31.3	31.4	29.4	24.9	32.4	23.9	92	95	70	66	76	95	20.8
21	58.97	59.80	60.43	58.33	58.82	60.30	24	23.9	29.8	31.6	29.6	26.1	32.2	23.6	96	97	81	67	77	91	------
22	59.79	60.62	61.07	59.16	59.98	61.69	24.6	24.2	30.7	30.6	25.5	24.3	32.6	23.7	95	97	69	69	89	94	1.8
23	60.77	60.89	60.74	58.97	59.49	60.71	23.4	23.3	30.4	30.4	26.7	24.9	32.7	23.1	96	97	72	73	91	94	------
24	59.37	59.42	59.73	57.29	57.91	59.04	23.3	23.1	30.5	32	26.1	24.2	33	22.9	96	97	74	66	83	95	------
25	57.89	57.51	58.05	56.36	56.90	58.29	23.2	23.5	30.2	30.5	28.7	28.1	32.7	22.7	96	97	76	76	77	78	------
26	57.91	58.62	58.05	56.67	57.09	58.32	24.9	26.6	29.6	30.4	28.4	25.8	31.8	24.6	92	83	70	67	75	89	------
27	57.60	57.48	58.17	57.23	57.27	58.47	26.8	27.4	30.5	29.5	28.6	27.7	32.4	24.8	85	81	70	71	76	81	------
28	57.98	58.28	58.69	57.03	56.85	58.13	26.7	24.8	31.4	30.5	28.8	25.9	32.8	24.5	86	94	70	72	78	93	------
29	57.48	57.42	57.69	56	55.75	55.85	24.8	23.9	28.8	28.8	26.8	25.7	29.9	23.7	95	97	80	80	84	91	43.2
30	54.65	55.32	54.93	53.98	53.91	54.74	24.9	23.9	26	25.6	25.2	24.9	26.6	23.7	96	97	92	90	90	92	84.4
Mean	58.40	58.61	59.04	57.52	57.75	59.06	24.6	24.2	29.8	29.3	27.5	25.5	31.7	23.7	93	93.8	73.7	75.8	83.1	90.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	232.6

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	Calm	----	Calm	----	E	2	SE	2	SSE	1	Calm	----	7	A.-Cu. E	S.-Cu.	9	Ci.-S.	S.-Cu. SE
2	N	1	N	1	SSE	1	SE	1	Calm	----	Calm	----	9	Ci.-S.	S.-Cu. E	9	Ci.-S.	S.-Cu.
3	Calm	----	N	1	S	1	SE	1	N	1	N	1	1	----------	S.-Cu.	10	Ci.-S.	Fr.-N. SE
4	N	1	N	1	E	1	SSW	1	Calm	----	Calm	----	5	Ci. E	Cu.	7	Ci.-S.	Cu.-N. SE
5	N	1	N	1	ENE	1	SSW	1	N	1	Calm	----	5	Ci.	Cu.	9	Ci.-S.	N. ENE
6	Calm	----	Calm	----	E	1	SSW	1	S	1	N	1	7	Ci.-S. SE	S.-Cu.	8	Ci.-S.	Cu.-N. E
7	N	1	N	1	S	1	N	1	Calm	----	N	1	0	----------	S.-Cu.	9	Ci.-S.	N. ENE
8	NNE	1	Calm	----	SSE	1	SE	1	Calm	----	Calm	----	0	----------	Cu.	9	Ci.-S.	S.-Cu. E
9	N	1	N	1	S	1	Calm	----	Calm	----	Calm	----	0	Ci.	Cu.	7	Ci.-S.	Cu.-N.
10	Calm	----	N	1	NE	1	NE	1	NE	1	Calm	----	2	Ci.	Cu.	9	Ci.-S.	Cu.-N. NE
11	Calm	----	N	1	ENE	1	ENE	1	Calm	----	Calm	----	5	Ci.	S.-Cu. NE	7	A.-Cu. E	S.-cf. ENE
12	Calm	----	N	1	S	1	Calm	----	Calm	----	Calm	----	3	Ci.	Cu.	9	Ci.-S.	N. ENE
13	NNE	1	N	1	SW	1	W	1	SW	3	Calm	----	3	Ci.	Cu.	7	Ci.-S. NE	Cu.
14	WSW	2	Calm	----	WSW	1	SW	2	Calm	----	NW	1	8	A.-Cu.	S.-Cu. WSW	7	A.-Cu.	S.-Cu. W
15	NW	1	SW	2	W	2	W	2	W	1	W	1	7	Ci.-S.	S.-Cu. WSW	6	Ci.-S.	Cu. W
16	Calm	----	W	1	WSW	2	WSW	2	WSW	2	W	2	6	Ci.-S.	S.-Cu. W	7	Ci.-S.	S.-Cu. W
17	WSW	2	WSW	3	SW	1	SW	2	Calm	----	SW	4	7	A.-Cu.	S.-Cu. WSW	9	A.-Cu.	S.-Cu. SW by W
18	SW	3	SW	3	SW	2	SW	2	SW	2	SW	4	8	Ci.-S.	S.-Cu.	7	Ci.-S.	S.-Cu. SW
19	SW	2	Calm	----	S	1	ESE	1	SW	2	SW	2	10	Ci.-S.	Fr.-N. SW	9	A.-Cu. SE	S.-Cu.
20	Calm	----	Calm	----	S	1	Calm	----	Calm	----	NW	1	8	A.-Cu.	S.-Cu. S	7	Ci.-S. NNE	Cu.
21	NNW	1	Calm	----	SSE	1	SSE	1	Calm	----	Calm	----	8	A.-Cu. SE	S.-Cu.	7	A.-Cu. SE	Cu.
22	Calm	----	N	1	S	1	SW	1	N	1	Calm	----	2	Ci.	S.-Cu.	8	Ci.-S.	Cu.-N. E
23	NNW	1	N	1	S	1	E	1	Calm	----	Calm	----	1	----------	Cu.	7	Ci.-S.	Cu.-N. E
24	N	1	N	1	S	1	SSW	1	Calm	----	N	1	3	Ci.	Cu.	5	Ci.-S. E	Cu.-N.
25	NNE	1	N	1	SW	1	SW	2	SW	1	SW	2	4	Ci.-S.	Cu.	7	Ci.-S. E	Cu.
26	Calm	----	SW	1	SW	1	SSW	1	SW	2	Calm	----	8	A.-Cu.	S.-Cu. SW	7	Ci.-S.	Cu.
27	SW	1	SW	2	SW	2	SW	2	SW	1	NW	1	8	Ci.-S.	S.-Cu. SW	9	Ci.-S.	S.-Cu.
28	Calm	----	Calm	----	SW	2	SW	1	Calm	----	NW	1	7	Ci.-S.	S.-Cu. SW	8	Ci.-S.	S.-Cu.
29	Calm	----	NNW	1	WSW	1	W	1	Calm	----	Calm	----	9	Ci.-S.	S.-Cu.	9	Ci.-S.	S.-Cu. WNW
30	Calm	----	NW by W	1	WSW	3	WSW	2	WSW	2	SW	6	10	A.-Cu.	N. NW by W	10	A.-Cu.	N. W
Mean	------	0.7	------	0.9	------	1.3	------	1.2	------	0.7	------	1	5.4	----------	----------	7.9	----------	----------

CALBAYOG.

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.80 mm.]

JULY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	54.39	54.76	55.71	55.19	55.80	57.75	24.9	25	25.7	27.4	26.9	25.9	27.9	24.3	88	88	83	77	85	91	5.6
2	57.07	57.81	59.23	58.26	58.85	60.01	25	24.7	30	30.1	25.2	24.9	32.2	24	92	92	77	65	94	94	4.6
3	59.44	59.50	59.83	58.16	58.65	59.99	23.6	22.8	29.7	30	25.3	24.3	31.5	22.6	97	97	79	74	93	95	2
4	59.33	59.42	59.19	57.85	57.93	59.42	23.4	23.3	28.9	27.8	26.9	24.7	31.4	22.9	96	97	82	82	86	94	.5
5	58.73	59.05	59.43	57.57	57.86	59.50	23.1	22.5	26.6	29.7	26.1	24.6	30	22.3	96	97	89	77	92	94	7.7
6	58.29	58.80	58.90	56.79	57.39	59.05	23.6	23.4	30.9	31.6	27.1	24.8	32.2	23.2	96	97	72	71	90	94	33
7	58.48	58.40	58.69	56.69	58.06	59.34	23.2	22.6	29.6	31.2	26.5	25.4	31.9	22.4	96	97	74	67	86	90	------
8	58.57	58.18	59.14	57.43	57.66	58.92	23.9	23.4	29.4	31.6	27.5	24.9	32.8	23.2	95	97	73	70	82	93	------
9	58.58	58.29	58.95	57.58	57.70	58.97	23.9	22.9	30.9	31.5	29.3	25.7	33.2	22.7	95	97	70	70	77	93	------
10	58.63	58.30	59.48	57.87	58.07	58.83	27.3	27	28.9	31.2	28.9	26.8	32.8	25.1	87	88	83	69	78	87	------
11	58.18	58.16	59.15	56.92	57.63	58.72	27.1	26.8	28.8	29.5	26.8	24.9	31.5	24.6	86	87	83	76	86	95	1
12	58.11	58.21	58.51	56.83	57.23	56.96	24.7	24.5	25.6	25.5	25	24	26.6	23.8	96	95	92	94	90	95	91.5
13	55.64	54.64	53.98	53.43	53.97	54.63	24.1	24.2	25.4	25.5	25.1	26.4	26.9	23.6	95	95	93	93	92	83	37
14	53.67	54.38	54.25	53.85	54.77	56.49	26	26.6	28.5	24.7	26.5	26.8	28.9	23.9	85	81	75	92	79	79	8.9
15	54.89	55.79	56.40	54.87	55.62	57.46	27.1	27.3	29.4	29.7	28.7	27.7	30.2	26.7	78	77	68	70	74	76	------
16	56.59	56.68	57.49	56.39	56.60	58	27.7	27.3	29.3	27.7	27.8	27.3	30.1	24.1	76	77	70	77	82	82	1.8
17	57.42	57.24	57.64	56.72	56.72	58	27.4	27.2	30	30.3	28.8	27.2	31.1	24.8	78	78	73	74	80	86	------
18	56.99	57.06	57.34	55.87	55.61	57.59	26.6	26.2	28.9	29	28.3	26.8	31.9	24.9	86	85	76	76	75	83	------
19	56.95	57.17	57.23	56.18	56.32	58.15	26.6	25.5	29.4	30.7	28.2	26.6	32.4	24.5	83	88	75	70	76	86	------
20	56.72	56.60	57.88	56.49	57.03	58.04	25.4	25	29.5	30.8	28.4	25.9	32.5	24.4	90	89	72	69	80	87	1.8
21	56.45	56.42	56.55	55.59	55.91	57.12	26.3	25.8	30.1	29.5	26.4	26.8	32	25.5	85	86	72	76	81	81	2.3
22	55.54	54.95	56.33	54.25	54.30	56.15	26.3	26.9	28.3	29.4	28.4	26.2	30.3	25.9	84	82	80	74	77	90	8.9
23	54.72	54.45	55.73	54.26	54.61	55.81	27	27	27.6	29.3	28.1	27	29.6	26.4	85	84	81	74	77	83	19.8
24	55.55	54.96	56.04	54.74	54.68	55.86	25	26.8	27.2	28.6	27.9	27.6	29.2	24.5	92	82	81	73	83	83	------
25	54.78	55.13	55.60	54.47	54.85	56	27.5	27.5	29.5	30.5	29.1	27.9	31	27.2	81	78	70	69	76	79	------
26	55.85	55.83	56.24	54.82	55.77	57.18	27.7	27	30	31.6	28.5	27.9	32.6	25.9	79	83	74	68	78	79	------
27	56.96	57.10	57.89	57.21	57.33	58.34	25.6	27	29.7	30.9	28.5	26.6	32.2	25	88	84	76	69	81	90	2
28	57.67	57.57	58.54	57.49	57.07	57.95	25.7	25.1	26.1	28.3	26.1	24.9	28.9	24.4	93	96	92	82	93	94	12.7
29	56.91	56.86	57.63	56.26	55.57	57.06	24	23.9	25.5	26.7	26.1	24.9	27.4	23.7	96	97	94	86	89	95	16.2
30	56.40	56.37	57.18	55.56	55.87	56.70	24.9	25.3	26.1	27.1	25.6	26.4	28	24.1	96	94	94	83	92	87	5.8
31	55.46	55.52	56.73	55.74	55.60	56.74	26.1	26.5	28.5	28.6	27.6	27	30	25.8	86	84	78	73	80	83	------
Mean	56.87	56.89	57.51	56.17	56.48	57.77	25.5	25.4	28.5	29.2	27.3	26.1	30.6	24.4	88.9	88.7	79.1	75.5	83.4	87.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	263.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	SSW	S	SSE	S	S	271.9	277.6	150.2	148.1	847.8	10	----------	N. SW	9	Ci.-S.	S.-Cu. SSW
2	S	SE	SE	SE	Calm	Calm	57.3	68.2	56	21.9	203.4	9	Ci.-S.	S.-Cu. SSW	7	Ci.-S.	S.-Cu. SE
3	Calm	Calm	SE	SE	NNW	N	29.2	40.2	54.4	28.4	152.2	4	Ci.	S.-Cu.	7	Ci.-S.	Cu.-N.
4	Calm	Calm	S	Calm	Calm	Calm	28.2	32.8	34.1	27.6	122.7	7	A.-Cu.	S.-Cu. NE	8	Ci.-S.	Cu.-N. ENE
5	Calm	Calm	Calm	Calm	Calm	Calm	19.9	19.8	29.6	17.4	86.7	10	Ci.-S.	S.-Cu.	9	Ci.-S.	S.-Cu. NE
6	Calm	Calm	ESE	SW	N	Calm	22	37.5	49.9	21.7	131.1	4	Ci.	S.-Cu.	5	Ci.-S.	Cu. NE
7	Calm	N	S	SSW	N	Calm	31.7	41.5	59.3	22.2	154.7	3	Ci.	S.-Cu.	2	----------	Cu.
8	Calm	Calm	S	SW	Calm	N	26.6	36.4	45.4	31.1	139.5	3	Ci.	S.-Cu.	3	Ci.	Cu. SW
9	N	Calm	WSW	WSW	WSW	NW	32.7	54.9	74.8	25.9	188.3	2	Ci.	Cu.	6	Ci. ENE	Cu. WSW
10	W	W	W	SW	W	Calm	70.5	49.7	64.9	48.3	233.4	8	Ci.-S.	S.-Cu. W	8	Ci.-S.	S.-Cu. W
11	W	W	SW	W	Calm	W	52.8	59.3	62	31.4	205.5	8	A.-Cu.	S.-Cu. W	8	A.-Cu.	S.-Cu. W
12	W	Calm	WNW	WNW	WNW	WNW	35.7	31.1	62.3	34.6	163.7	10	Ci.-S.	S.-Cu. NWbyN	10	A.-Cu.	N. WNW
13	WNW	W	WSW	WSW	WSW	SW	92.5	200.8	212.4	207.1	712.8	10	A.-Cu.	N. WNW	10	A.-Cu.	N. W
14	SW	SW	SW	SW	SW	SW	233.8	230.1	248.6	239.8	952.3	10	A.-Cu.	Fr.-N. SW	10	A.-Cu.	N. SW
15	SW	SSW	SSW	SSW	SSW	SSW	246.2	244.6	225.6	183.6	900	7	Ci.	S.-Cu. SW	7	Ci.-S.	S.-Cu. SW
16	SSW	SSW	SSW	SSW	SSW	SW	144.8	169.2	118.5	112.7	545.2	10	Ci.-S.	Fr.-S.	8	Ci.-S.	S.-Cu. SW
17	SSW	SSW	SSW	SW	SW	SW	151	133.8	93.3	80.2	458.3	5	Ci.-S.	----------	7	A.-Cu. NW	S.-Cu.
18	W	W	WSW	WSW	WSW	W	92.7	87.1	104.1	86.3	370.2	9	A.-Cu.	S.-Cu. W	8	Ci.-S.	S.-Cu. W
19	W	W	WSW	W	W	WNW	95	92.8	61.8	73.2	322.8	10	A.-Cu.	S.-Cu. W	7	Ci.-S.	S.-cf. W
20	WNW	Calm	WSW	W	SW	W	38.8	58.1	76.9	65.5	239.3	8	A.-Cu.	S.-Cu. W	7	Ci.-S.	S.-Cu. WNW
21	W	W	WSW	SW	W	SW	68.4	65.8	89.8	60	284	4	A.-Cu. NW	S.-Cu. W	8	A.-Cu.	S.-Cu. WSW
22	SW	SSW	SW	SW	SW	SW	66.5	90.9	98.2	107	362.6	7	A.-Cu.	S.-Cu.	9	A.-Cu.	S.-Cu. WSW
23	SW	SSW	SSW	SSW	SSW	SW	153.2	126.8	148.3	146.4	574.7	10	A.-Cu.	N. SW	9	A.-Cu.	S.-Cu. SW
24	SW	SSW	SSW	SSW	SW	SW	116.7	183.4	159.3	144.8	604.2	10	A.-Cu.	N. SW	9	A.-Cu.	S.-Cu. SW
25	SW	SW	SW	SW	SW	SW	203.9	166.7	158.2	121.5	650.3	7	A.-Cu.	S.-Cu. SW	6	A.-Cu. S	Cu.
26	SW	SW	SW	SW	SW	SW	102.8	89.6	81	48.6	322	7	A.-Cu. SSW	S.-Cu. SW	6	Ci.-S.	Cu.
27	Calm	WSW	SW	SW	Calm	Calm	54.4	57.9	34.9	18.5	165.7	5	Ci.-Cu. NE	S.-Cu. WSW	8	A.-Cu. NE	S.-Cu.
28	Calm	Calm	Calm	WSW	NW	Calm	21.2	30.1	59.7	15.5	126.5	10	Ci.-S.	N.	9	Ci.-S.	S.-Cu. WNW
29	Calm	Calm	Calm	Calm	WNW	Calm	17.5	17.9	29.8	19.3	84.5	10	A.-Cu.	Fr.-N. NNW	10	Ci.-S.	Fr.-N.
30	WSW	WSW	W	WSW	WSW	SW	87.5	89	89.8	130.2	396.5	10	Ci.-S.	N. W	10	Ci.-S.	S.-Cu. W
31	SW	SW	SW	SW	SW	SW	155.1	157.1	164.1	150.2	626.5	10	A.-Cu.	S.-Cu. SW	7	Ci.-S.	S.-Cu. SW
Mean	------	------	------	------	------	------	91	98.1	96.7	79.6	365.4	7.6	----------	----------	7.6	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	11,327.4	----	----------	----------	----	----------	----------

CALBAYOG.

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.80 mm.]

AUGUST, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a.m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	55.76	56.14	56.62	55.92	56.70	57.64	27.3	27.6	29.7	30.5	28.7	27.6	31.2	27	80	76	75	71	75	81	------
2	57.18	57.39	57.62	56.19	56.80	58.03	27.5	27.5	30.2	30.1	27.2	27	31.6	26.8	81	82	70	71	87	87	1.5
3	56.85	57.24	57.75	56.14	56.73	58.13	26.9	26.9	29.7	30.4	29.1	27.8	32.4	26.7	86	85	74	72	76	82	------
4	57.76	56.98	57.88	56.37	56.30	57.55	27.3	27.2	30.4	31.9	28.9	27.8	32.7	27	85	86	72	65	80	82	------
5	56.88	56.75	57.57	56.55	56.71	58.50	26.8	27.4	29.9	32.7	30.1	26.1	34	25.2	89	87	75	62	71	92	------
6	57.72	57.35	58.27	56.85	56.98	58.28	24.9	24.3	30.9	30.2	29	26.4	33.4	24.2	93	95	73	76	79	90	------
7	57.32	57.22	57.78	56.47	56.68	57.96	24.9	26.3	30.7	30.7	28.9	27	32	24.7	94	91	73	73	79	86	1.3
8	56.54	55.86	56.24	55.37	55.09	55.93	25.6	26.7	29.5	28.4	28	27.2	31	25.2	93	86	75	80	80	83	------
9	55.01	54.84	55.54	54.12	54.22	55.18	27.4	27.2	29.6	30.7	29	27.9	31.9	26.9	83	83	76	72	77	82	------
10	54.65	54.25	54.89	53.80	54.35	55.79	27.7	27.4	29.8	29.8	28.3	26.9	30.9	26.8	82	84	77	77	82	85	------
11	54.84	54.82	56.19	54.88	55.50	56.86	27	27.1	29.4	31	28.5	27.9	32	26.8	83	81	74	69	73	80	------
12	56.26	56.44	56.92	55.75	55.84	57.41	27.6	27.4	30.3	31.5	28.5	26.9	32.9	26.7	81	81	70	70	79	86	------
13	56.51	56.46	56.68	55.55	55.71	57.19	26.9	26.6	29	30.7	28.7	27.2	31.4	26.5	86	83	74	69	78	85	------
14	55.85	56.55	57.45	56.55	57.05	58.69	27.1	26.8	30.1	29.6	28.7	27.9	31.4	26.6	85	86	69	72	72	77	------
15	57.91	58.78	59.39	58.34	58.42	60.25	27.7	27.2	30.3	32.4	29	25.2	33.1	24.4	78	81	72	63	74	93	------
16	59.52	59.28	59.77	58.37	58.74	59.94	23.9	23.5	29.7	31.1	28.9	26.4	32.2	23.3	95	96	76	67	75	89	------
17	58.27	58.62	58.90	57.20	57.46	58.24	24.3	25.5	30.5	29.9	27.4	26.6	33.1	24	96	94	71	74	80	85	4.6
18	56.10	56.45	58.89	57.02	56.82	57.37	26.9	26.6	23.1	24.4	24.3	24.7	27.5	21.9	84	84	97	86	89	90	68.8
19	56.37	56.56	57.92	56.05	56.76	57.64	24.2	25.3	26.8	30.1	27.1	25.9	30.7	24	91	86	79	68	81	88	------
20	56.87	57.08	57.89	56.02	56.54	58.10	24.3	25.6	25.4	27	27.3	26.4	29.5	24.1	91	86	90	88	86	87	42.2
21	57.63	57.65	57.91	56.10	56.66	57.91	26.3	25.5	30	28.9	26.5	25.8	31	25.2	85	84	73	76	85	89	8.4
22	56.91	56.48	57.25	55.96	55.69	57.59	24.9	24.8	27.7	28.5	27.5	25.2	29.5	24.3	91	92	79	71	77	92	------
23	56.16	56.07	56.57	55.08	54.86	56.07	24.8	24.6	27.7	28.5	26.4	25.9	29.9	23.7	92	92	77	79	82	84	7.1
24	54.72	54.48	55.08	53.52	52.87	54.77	25.8	25.5	26.3	27.2	26.5	26.7	27.7	23.5	84	84	83	75	77	79	2.3
25	54.06	54.08	54.92	53.23	53.26	54.83	26.2	25.7	26.2	27.4	27.5	27.5	28.2	25	81	84	89	84	83	82	11
26	53.96	54.22	55.54	54.24	55.18	56.61	27.3	26.9	27.6	28.6	27.5	26.9	29.4	25.3	81	77	80	77	82	84	1.5
27	56.10	56.51	57.33	56.24	57.28	58.73	27.1	27.3	28.5	29.4	27.6	26.9	30.6	26.7	83	81	78	73	81	85	------
28	57.85	58.02	58.80	57.59	57.64	59.15	27	26.6	30.9	31.4	28.7	27.9	32.7	26.4	83	83	69	66	77	79	------
29	57.86	57.72	58.19	56.57	56.47	57.99	27	27.1	30.5	30.4	28.7	27.8	32.2	26.5	84	83	70	74	77	82	------
30	56.83	56.19	57.69	56.02	56.45	57.96	27.7	27.2	30.3	30.7	29.1	28.3	31.8	27	83	85	76	71	79	80	------
31	56 94	57.24	57.70	56.34	57.32	59.13	27.8	27.6	30.4	31.1	29.2	28.2	33.2	27.4	81	81	72	71	74	78	------
Mean	56.55	56.57	57.33	55.95	56.23	57.59	26.4	26.4	29.1	29.8	28.1	26.9	31.3	25.5	86	85.1	76.1	73	78.9	84.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	148.7

Day.	Wind.										Total movement in 24 hours.	Clouds.				
	Direction.						Total movement in 6 hours.					6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction.		Amount.	Form and direction.	
													Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SSW	S	S	SSW	SSE	S	169.1	178.1	142.9	144.2	634.3	7	A.-Cu.	S.-Cu. SW	7	Ci.-S.	S.-Cu. SW
2	SW	SSW	SSW	SW	Calm	S	127.6	113.5	82.7	74.5	398.3	9	Ci.-S.	S.-Cu. SW	9	Ci.-S.	S.-Cu. SW
3	SW	SW	SW	SW	SW	SW	102.8	109.2	89.5	97.2	398.7	4	Ci.	S.-Cu. SW	7	Ci.-S.	S.-Cu. SW
4	SW	SW	SW	SW	SW	SW	101.6	76.2	78.4	85.8	342	4	Ci.	S.-Cu.	7	Ci.-Cu. NE	Cu.
5	Calm	SW	SW	SSW	SW	Calm	54.7	88.3	59.2	25.2	227.4	9	Ci.-S.	S.-Cu. SW	6	Ci.	Cu.
6	Calm	Calm	SW	SW	SW	Calm	20.9	66.8	88.8	29.6	206.1	7	A.-Cu.	S.-Cu. WSW	8	Ci.-S.	S.-Cu. WSW
7	Calm	W	W	WSW	Calm	Calm	27.1	87.2	72.4	15.5	202.2	4	Ci.	S.-Cu. W	7	Ci.-S.	S.-Cu. W
8	Calm	W	W	W	Calm	Calm	37	87.5	58.4	37.6	220.5	10	Ci.-S.	S.-Cu. WNW	9	A.-Cu.	S.-Cu. WNW
9	WSW	WSW	WSW	WSW	WSW	SW	78.6	112.9	101.4	104.9	397.8	8	A.-Cu.	S.-Cu. W	6	Ci.	S.-cf. W
10	SW	SW	SW	SW	SW	SW	127.7	129.7	140.5	156.7	554.6	7	Ci.-S.	S.-Cu. SW	8	A.-Cu. NW by W	S.-Cu.
11	SW	SW	SW	SW	SW	SW	113.3	128.9	131.2	119.1	492.5	9	A.-Cu.	S.-Cu. SW	3	Ci.	Cu.
12	SW	SW	SW	WSW	WSW	WSW	143.2	105.6	131.7	90.3	470.8	6	Ci.	S.-Cu. SW	7	Ci.-S. ENE	Fr.-Cu. WSW
13	WSW	WSW	WSW	SW	SW	SW	104	100.8	130.6	129.7	465.1	7	A.-Cu.	S.-Cu. WSW	5	Ci.-S.	Cu. W
14	SW	SW	SW	SW	SW	SW	141	155.1	150.3	127.3	573.7	9	A.-Cu.	S.-Cu. SW	8	Ci.-S.	S.-Cu. SW
15	WSW	SW	SW	SW	SW	NNW	118	104.3	84.2	25.7	332.2	8	Ci.-S.	S.-Cu. WSW	3	Ci.	Cu.
16	NNW	N	S	SSW	SSW	Calm	28.7	36.4	51	28.2	144.3	6	Ci.-S.	S.-Cu. W	7	Ci. NE	Cu.
17	Calm	WNW	WSW	SW	Calm	Calm	22.2	75.1	81.1	30.1	208.5	8	Ci.-S.	S.-Cu. W	8	A.-Cu.	S.-Cu. W
18	WNW	WNW	NW	Calm	WNW	WNW	120.9	58.7	29.5	35.4	244.5	10	A.-Cu.	N. W	10	A.-Cu.	N. W
19	W	W	WSW	WSW	W	Calm	59.7	108.1	72.1	52.5	292.4	10	A.-Cu.	N. W	8	A.-Cu. NW	S.-Cu. W
20	W	W	WSW	SW	WSW	SW	49.1	54.7	83.7	80.2	267.7	9	A.-Cu.	S.-Cu. W	9	Ci.-S.	N.-cf. W
21	SW	Calm	SW	SW	SW	W	73.4	70.2	63.1	56.3	263	7	A.-Cu. NW	S.-Cu. W	9	A.-Cu.	S.-Cu. W
22	W	Calm	W	W	Calm	Calm	25.2	40	35.2	14.7	115.1	10	A.-Cu.	Fr.-N. W	10	Ci.-S.	S.-Cu. W
23	Calm	W	WSW	W	W	W	44	79.4	104.1	60.6	288.1	10	A.-Cu.	S.-Cu. W	9	Ci.-S.	S.-Cu. W
24	W	W	WSW	W	W	SW	104.6	168.4	149.5	184	606.5	10	A.-Cu.	N. W	10	A.-Cu.	S.-Cu. W
25	SW	SSW	SSW	SSW	SSW	SSW	193.1	223.5	177.5	218.2	812.3	10	A.-Cu.	N. SW	10	A.-Cu.	N. SW
26	SSW	SSW	SSW	SSW	SSW	SSW	236.3	242.8	191	169.2	839.3	8	Ci.-S.	S.-Cu. SW	9	Ci.-S.	S.-Cu. SW
27	S	S	S	SSW	SW	SW	-----	-----	95	83.5	------	9	A.-Cu.	S.-Cu. SW	9	Ci.-S.	S.-Cu. SW
28	SW	SW	SW	W	SW	Calm	96.1	78.3	64.6	58.5	297.5	2	Ci.	S.-Cu.	6	Ci.-S. ENE	Cu.
29	W	SW	SW	WSW	SW	SW	74.5	96.4	109.1	85.8	365.8	2	----------	S.-Cu. SW	4	----------	S.-cu. WSW
30	WSW	WSW	W	SW	WSW	SW	110.7	107.3	108.3	88.5	414.8	7	Ci.-S.	S.-Cu. W	4	Ci.-S.	Cu.
31	SW	SW	SW	SW	SW	SW	108.4	122.3	-----	119.3	------	8	Ci.-S.	S.-Cu. SW	7	Ci.-S. NE	Cu.
Mean	------	------	------	------	------	------	93.8	106.9	98.6	84.8	381.9	7.5	----------	----------	7.4	----------	----------

CALBAYOG.

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.80 mm.]

SEPTEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum	Minimum	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.90	58.50	59.14	57.61	58.15	59.79	27.7	27.5	31.4	32.7	28.9	28.2	34	26.1	81	80	68	61	78	80	------
2	58.89	59.17	59.04	57.30	57.43	59.12	27	26.9	31.9	32.3	29.1	24.9	33.9	24.1	86	86	68	66	71	94	------
3	58.53	58.27	58.47	57.02	57.52	59.41	23.9	24	30.7	31.7	29	25.1	33.4	23.6	96	96	72	68	72	94	------
4	58.38	58.42	59.18	57.74	57.92	59.25	24.5	27	30	31.6	28.9	25.9	32.4	23.8	94	86	74	70	76	93	8.1
5	58.23	58.78	59.40	57.33	57.78	59.21	24.9	24.5	29.7	31.7	27.4	26	32.4	24.2	96	96	77	69	85	92	------
6	58.17	58.20	59.27	57.84	58.04	59.37	25	24.9	29.7	28.2	26	24.9	32.2	24.1	94	95	76	81	92	93	24.4
7	58.57	58.98	59.69	57.05	57.95	59.22	23.8	22.4	28.3	29.5	27	24.1	31.4	21.9	95	96	78	79	87	96	3.3
8	58.08	58.44	58.46	56.08	56.74	58.42	23	22.4	29.3	31.2	27	25.2	32.2	22.2	96	96	71	67	85	95	------
9	57.54	57.50	58.14	56.65	57.37	58.71	23.9	22.3	30	27.5	25.7	24.5	31.1	22	96	96	68	84	87	94	------
10	58.06	58.02	58.79	57.74	58.18	58.94	23.4	22.9	30.7	27.5	24.5	23.8	31.7	22.7	96	97	69	87	95	96	30.9
11	58.14	58.59	59.50	57.49	58.41	59.92	22.9	22.4	29.3	31.4	25.8	23.9	32.2	22.2	96	96	76	72	89	95	1
12	58.96	58.85	59.32	57.14	58.10	58.97	22.9	22.6	29.9	29.7	25.3	24.2	32.7	22.4	96	97	72	77	93	94	4.1
13	57.98	58.03	58.54	56.16	56.81	57.98	23.1	22.6	29.3	27.5	27.1	24.9	31.9	22.4	96	97	78	84	86	95	1
14	56.47	56.58	57.05	55.34	55.93	57	23.7	22.9	29.9	30.5	27.5	25.9	32.2	22.7	96	97	76	70	80	88	------
15	55.77	56.06	56.29	54.37	55.39	56.33	24.9	24.4	29.9	32.1	28.4	28	32.7	24.2	92	94	73	58	78	82	------
16	54.98	55.25	56.33	54.78	55.73	57.20	27.9	27.2	30.4	31	27.6	26.9	31.7	25.9	82	87	74	71	85	85	4
17	56.08	56.69	57.53	55.81	56.16	57.85	27.7	27.6	29.7	30.5	28.1	27	31.4	26.7	80	81	72	73	82	85	------
18	56.81	56.88	58.12	56.41	56.79	58.34	27.9	28	28.9	27.2	27.7	26.5	30.5	25.2	83	84	75	87	82	88	1.3
19	56.92	57.04	58.40	56.38	56.88	58.55	24.2	24.1	29.1	30.5	27.9	25.9	32.2	23.7	97	97	82	77	84	93	------
20	57.82	58.56	59.45	57.62	57.77	59.44	24.9	24.5	30.5	30.9	28.9	26.7	32.2	24.3	95	96	74	70	77	88	------
21	58.70	58.71	58.60	56.47	57.45	58.69	25.7	24.8	30	29.5	24.8	23.6	31.6	23.2	93	93	73	72	91	96	29.2
22	56.58	56.92	57.45	55.07	56.50	58.73	23.8	22.7	28.5	29.5	25.4	23.9	30.6	22.4	96	97	77	72	92	95	8.1
23	57.39	57.52	58.09	56.18	57.46	58.88	23.1	22.5	28.7	30.4	26	24.3	31.9	22.3	96	96	75	70	87	95	------
24	58.02	58.15	58.70	57.17	57.30	58.08	23.1	22.7	28.1	26	26.6	24.2	31.7	22.5	96	97	80	92	90	95	7.1
25	57.33	57.28	57.25	55.19	55.32	55.78	22.9	22.5	30	30.9	28	27.1	32.2	22.3	96	97	71	62	79	84	------
26	54.22	54.20	55.11	52.86	53.06	54.26	27	27.3	28.5	28.5	28.4	28.1	29.1	26.9	84	83	78	80	81	79	.5
27	53.05	54.39	55.22	53.52	54.79	56.02	28	28	31	30.6	29.5	28.9	31.6	27.6	77	77	69	68	76	77	------
28	55.49	55.81	57.31	55.34	56.75	58.03	28.8	28.5	30.6	30	28.3	27.8	30.9	27.5	76	75	74	77	79	80	------
29	57.19	58.08	59.09	56.82	58.17	58.81	27.7	27.5	29.7	30.8	28.2	25	31.6	24.1	80	81	71	60	77	94	------
30	58.15	58.67	59.14	57.48	58.34	59.15	24.8?	23.7	30.5	30.8	28.7	25.6	31.6	23.5	95?	97	72	62	81	93	------
Mean	57.28	57.55	58.20	56.33	57.01	58.32	25.1	24.7	29.8	30.1	27.4	25.7	31.9	23.9	91.1	91.4	73.8	72.9	83.2	90.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	123

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SSW	SSW	SSW	SW	SSW	SW	93.3	72.2	64.9	64.7	295.1	3	Ci.		3	Ci.	Cu.
2	SSW	SW	SW	SW	Calm	N	39.1	68.6	69.8	24.4	201.9	3	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.
3	Calm	Calm	SW	SW	Calm	Calm	25.4	78.7	73.2	25.1	202.4	7	Ci.-Cu.	S.-Cu. WSW	7	A.-Cu.	Cu. WSW
4	NW	WSW	SW	SW	SW	Calm	31.9	79.1	52.3	23.8	187.1	9	A.-Cu.	S.-Cu. W	7	A.-Cu.	Cu. W
5	Calm	Calm	SW	SW	Calm	Calm	21.2	49.4	56	16.9	143.5	8	Ci.-S.	S.-Cu. W	7	Ci.-S.	Cu. W
6	Calm	Calm	W	W	Calm	Calm	21.5	59.2	41	20.3	142	8	A.-Cu.	S.-Cu. W	9	Ci.-S.	Cu.-N.
7	Calm	Calm	WNW	W	Calm	Calm	39.1	35.2	29.5	25.4	129.2	10	A.-Cu.	Fr.-N. N	7	Ci.-S.	Cu.-N. N
8	Calm	N	S	SW	Calm	Calm	30.9	42.9	54.2	26.6	154.6	2	Ci.	Cu.	3	Ci.	Cu. NE
9	N	N	S	NNE	N	Calm	33.3	46.9	45.9	26.4	152.5	0	------	Cu.	8	Ci.-S.	S.-Cu. NE
10	N	N	ESE	Calm	N	Calm	22.5	47	39.1	22.3	130.9	0	------	Cu.	10	Ci.-S.	N. NE
11	N	N	S	SW	Calm	N	34.8	36	50.9	28.7	150.4	6	Ci.-S.	S.-Cu. SE	3	Ci.	Cu.
12	N	N	S	SW	N	Calm	34.6	35.1	43.5	29.2	142.4	1	------	Cu.	9	Ci.-S.	Cu.-N. NE
13	N	N	SW	WSW	Calm	Calm	35.7	45.4	42.4	23	146.5	4	Ci.-S.	s.-cu. WNW	9	Ci.-S.	Cu.-N.
14	N	N	SW	WSW	WNW	Calm	33.6	55.3	------	------	------	7	Ci.-S.	Cu.-N.	8	Ci.-S. NE	s.-cf. WNW
15	NW	Calm	WSW	W	W	SW	------	------	88.5	82.9	------	9	Ci.-S.	s.-cu. WNW	7	Ci.-S.	Cu. WNW
16	SW	SSW	SSW	SSW	SSW	SSW	127.9	156.9	125.2	130	540	9	Ci.-S.	S.-Cu. SW	7	Ci.-S.	Cu.
17	SSW	SSW	S	S	S	S	182.4	154.5	------	------	------	10	Ci.-S.	S.-Cu. SW	9	Ci.-S.	S.-Cu. SW
18	SSW	SSW	S	SSW	SSW	NW	86.3	89.3	60.4	36.4	272.4	9	A.-Cu.	S.-Cu. SW	10	A.-Cu.	S.-Cu.
19	Calm	Calm	SSE	W	Calm	NW	25.2	29.3	56	21.5	132	10	Ci.-S.	S.-Cu.	9	A.-Cu.	S.-Cu.
20	Calm	Calm	SSW	SSW	Calm	N	27.4	44	33.8	25.4	130.6	9	A.-Cu.	S.-Cu. SW	8	Ci.-S.	s.-cu. SSW
21	Calm	N	S	W	N	N	23.6	39.1	44.8	34.9	142.4	7	A.-Cu. E	Cu.-N.	8	Ci.-S.	Cu.-N.
22	N	Calm	SW	WSW	Calm	Calm	30.6	36.5	49.3	19.9	136.3	7	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N.
23	Calm	N	S	SW	Calm	Calm	27.4	41.8	56.6	18.7	144.5	3	Ci.	Cu.	3	Ci.	Cu.
24	Calm	N	WSW	NNE	Calm	Calm	30.6	33.3	26.6	22.8	113.3	1	------	S.-Cu.	9	A.-Cu.	N. NW
25	Calm	N	WNW	W	Calm	WNW	28	40.8	87.7	36.2	192.7	2	Ci.	Cu.	6	Ci.-S.	Cu. NW
26	W	W	WSW	SW	SW	SW	91.7	138.4	161.5	210.8	602.4	10	A.-Cu.	S.-Cu. W	10	A.-Cu.	S.-Cu. SW
27	SSW	S	S	S	S	S	215.6	155.3	169.1	174.4	714.4	8	A.-Cu.	S.-Cu. SW	7	A.-Cu.	s.-cf. SSW
28	S	S	S	SSW	SSW	SSW	199.5	183.4	133.3	132.3	648.5	10	Ci.-S.	S.-Cu. SSW	9	Ci.-S.	S.-Cu.
29	SSW	SSW	SSW	SW	Calm	N	106.2	115.9	48.3	26	296.4	10	Ci.-S.	S.-Cu.	9	Ci.-S.	S.-Cu.
30	Calm	N	SE	S	Calm	N	30.3	45.9	36.2	24.1	136.5	8	Ci.-S.	S.-Cu.	7	Ci.-S. N	Cu.
Mean	------	------	------	------	------	------	59.6	70.9	65.7	48.3	236.3	6.3	------	------	7.3	------	------

CALBAYOG.

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.80 mm.]

OCTOBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.72	59.04	59.74	57.32	58.27	60.04	23.9	23.7	30.2	31	29.2	25.7	31.7	23.5	94	96	73	68	78	92	------
2	59.67	59.92	60.56	58.48	59.56	61.40	24	23.3	30	28.5	26.6	24.9	31.9	23.1	94	95	73	81	89	92	1
3	59.87	60.52	60.52	58.66	58.70	60.06	23.9	23.5	30.5	28.3	27.5	25.1	33	23	96	96	69	84	84	94	5.1
4	59.16	59.27	59.55	56.93	58.70	59.91	23.8	23.7	28.8	31.5	25	24.7	32.4	23.5	96	97	75	63	91	92	.8
5	59.29	59.16	59.58	57.34	59.05	59.84	23.8	23.1	29.2	30.9	26.4	24.6	33.2	22.9	95	97	74	68	83	94	------
6	58.81	59.24	59.85	57.91	59.07	60.51	22.9	22.5	29.4	31.4	27.5	25.4	32.2	22.2	95	96	71	59	79	91	------
7	59.76	59.85	60.54	58.50	59.45	60.94	23.6	22.5	30.2	31.2	27.1	25	32.7	22.3	95	96	67	64	89	93	10.7
8	59.68	60.19	60.53	58.96	59.76	60.95	23.9	23.5	30.9	26.9	25.7	25.3	31.4	23.3	95	97	64	89	92	93	37.3
9	60.65	60.86	61.19	58.76	59.10	60.15	24.8	23.9	26.2	27.5	26.7	24.3	28.6	23.7	94	96	88	82	90	94	3.3
10	59.44	59.81	60.42	58.35	58.74	59.51	23.3	23.7	28.9	28.1	26.6	24.9	30.1	23	97	97	78	87	88	94	4.8
11	58.77	58.80	59.39	57.25	58.44	59.40	23.4	22.8	29	29	26	24.5	31.7	22.5	94	97	75	80	89	94	1.8
12	58.59	58.94	58.83	56.73	57.53	58.86	23.1	22.8	30.9	31.4	27.3	25	32.2	22.6	96	97	67	65	81	92	------
13	58.05	58.32	59.19	57.25	58.04	59.19	24.7	23.7	29.3	28.4	26.8	24.9	30.9	23.4	93	97	78	85	90	92	9.6
14	58.50	58.56	59.63	57.57	58.86	59.68	24.3	24.2	31	31.4	27.3	24.2	32.3	23.2	95	96	67	70	81	95	------
15	58.73	59.55	59.68	57.69	58.65	60.04	22.9	22.7	28.3	31.4	26.7	24.8	31.7	22.4	96	97	77	70	86	93	.5
16	59.54	59.80	60.04	57.65	58.90	60.01	24.6	24	30.9	27.7	24.9	24	32.5	23.4	94	95	64	84	92	95	11.9
17	59.55	60.25	60.09	57.65	59.19	60.24	22.9	22	29	31.3	26.6	25.7	33.2	21.8	96	97	77	69	88	91	1.8
18	59.38	59.99	61.54	59.93	60.59	60.72	24.7	24.3	25.3	25.6	23.4	22.8	27.4	22.7	92	93	91	88	94	97	13.9
19	59.42	59.60	59.84	57.99	58.66	60.46	22.9	23	28.6	27.5	25.4	24.2	29.9	22.5	97	97	80	86	88	95	7.6
20	59.12	59.34	59.45	57.32	58.80	60.29	23.5	22.5	29	30.2	26.1	23.9	31.1	22.3	96	96	76	64	84	94	------
21	59.63	59.97	60.89	58.89	59.98	61.38	22.2	21.2	29.3	31.3	26.5	23.7	32.4	21	96	96	69	58	82	95	------
22	60.01	60.85	61.59	60.20	61.06	62.25	22.1	21.8	30.7	28.7	25.8	24.8	31.5	21.5	96	96	67	73	84	91	1.5
23	61.05	61.61	61.93	59.76	60.71	61.84	22.9	21.5	28.5	30.4	26.3	23.3	31.3	21.3	96	96	72	69	80	95	------
24	60.92	61.52	62.17	59.80	60.49	61.98	21.7	20.3	30.2	30	25.8	23.9	32	20	96	95	64	67	84	94	------
25	61.45	61.80	62.24	59.92	60.74	61.81	22.1	21.3	31	29.7	25.8	22.6	32.5	21.1	95	95	60	71	75	94	------
26	60.91	61.45	61.78	60.04	60.76	62.15	21	20.6	29.1	27.7	25.9	24.1	31.6	20.3	95	95	72	83	89	93	17.5
27	61.05	61.82	62.02	59.86	60.80	62.34	22.7	21.9	30.2	31.5	25.6	23.2	32.4	21.6	95	96	62	58	79	94	------
28	61.54	61.97	62.59	60.36	61.23	62.45	21.9	21.5	28.5	30.5	26.7	24.5	31.5	21.3	95	95	73	68	80	92	------
29	61.75	62.01	62.08	60.61	60.94	61.88	22.8	22.3	28.8	25.7	25.6	24	31.9	21.8	93	95	75	90	93	94	22.2
30	60.81	61.40	61.84	59.42	60.45	61.78	23.8	23.5	30.9	31.4	26.8	24.8	32.7	23.4	96	97	69	68	83	92	------
31	60.08	60.09	60.43	58.42	59.73	60.46	23.9	24.2	30.5	29.5	25.9	24.3	32	23.8	96	94	72	75	91	94	1.5
Mean	59.80	60.18	60.64	58.57	59.51	60.73	23.3	22.8	29.5	29.5	26.3	24.4	31.7	22.4	95.1	96	72.2	73.7	85.7	93.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	152.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	N	SSE	SW	SSW	Calm	-----	-----	-----	-----	-------	6	Ci.-S.	S.-Cu.	2	Ci.	Cu.
2	N	Calm	S	W	Calm	Calm	-----	-----	-----	-----	-------	2	Ci.	Cu.	7	Ci.-S.	Cu.-N. NE
3	Calm	Calm	NNE	N	N	Calm	-----	-----	45.1	28	-------	7	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N.
4	Calm	Calm	S	W	N	Calm	26.4	44.9	57.4	22	150.7	2	Ci.	Cu.	7	Ci.-S.	cu.-N. ENE
5	N	Calm	S	SW	NNW	N	27.9	41.2	49.7	28.2	147	1	----------	Cu.	5	Ci.-S. SE	Cu.
6	N	N	SSW	SW	NE	N	33.2	39.6	45.6	25.5	143.9	5	Ci.-S.	Cu.	4	Ci.-S.	Cu.
7	N	Calm	S	SSW	Calm	Calm	31.7	43.3	-----	-----	-------	2	Ci.	Cu.	6	Ci.-S.	Cu. NE
8	Calm	N	NE	NW	N	Calm	-----	38	44.3	10.2	-------	7	A.-Cu.	S.-Cu. NE	9	Ci.-S.	N. ENE
9	NE	Calm	NNW	NW	Calm	Calm	19.3	28.7	30.1	14.5	92.6	10	Ci.-S.	s.-cu. ENE	10	A.-Cu.	S.-Cu.
10	Calm	NE	NE	Calm	Calm	Calm	20.7	34.8	26.6	14.7	96.8	9	A.-Cu.	N. ENE	9	Ci.-S.	N. NE
11	Calm	Calm	NNE	Calm	Calm	Calm	20.3	34.8	40.5	15.8	111.4	5	Ci.-S.	S.-Cu. NE	8	Ci.-S.	s.-Cu. NE
12	Calm	N	Calm	NNW	Calm	Calm	21.1	37	41.5	15.6	115.2	3	Ci.	Cu.	7	Ci.-S.	Cu. N
13	Calm	N	S	NNW	Calm	Calm	21.4	39.7	30.6	15.1	106.8	4	Ci.	Cu.	9	A.-Cu.	N. NNW
14	NW	Calm	NNE	WNW	Calm	Calm	25.9	44	45.7	19.1	134.7	7	Ci.-S.	Fr.-S.	5	Ci.	Cu. NNW
15	Calm	N	SSE	SW	N	Calm	26.2	33.8	50.4	15.9	126.3	8	Ci.-S.	Fr.-S.	6	Ci.-S.	Cu. NE
16	Calm	Calm	NNE	WNW	Calm	Calm	25.2	39.2	44.8	19.6	128.8	7	Ci.-S.	Cu.	8	Ci.-S.	cu.-N. NE
17	Calm	Calm	NNE	W	NNW	Calm	20.1	35.1	54.9	22.7	132.8	2	Ci.	Cu.	6	Ci.-S.	Cu. NE
18	NNW	Calm	E	ESE	NNW	N	21.9	24.6	58.9	38.8	144.2	10	A.-Cu.	S.-Cu.	10	A.-Cu.	N. NE
19	Calm	Calm	NE	N	Calm	N	15.9	55.2	37	25.7	133.8	9	Ci.-S.	S.-Cu. NE	9	Ci.-S.	N. NE
20	Calm	Calm	NE	NE	NE	Calm	20.6	60.7	97.4	18	196.7	4	Ci.	S.-Cu.	3	Ci.	s.-Cu.NNE
21	Calm	N	NNE	NE	Calm	Calm	22.5	42.9	61.4	13.2	140	5	Ci.	s.-cu.NbyE	5	Ci.	cu. NbyE
22	Calm	Calm	E	NW	Calm	Calm	11.1	35.9	25.1	14	86.1	7	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu. N
23	Calm	Calm	S	SW	N	Calm	19.3	35.7	55.2	24.3	134.5	4	Ci.	S.-Cu.	5	Ci.	cu.-N. NE
24	Calm	Calm	NE	SW	N	Calm	20.6	42	61.2	23.3	147.1	0	Ci.-S.	----------	4	Ci.	Cu. NE
25	Calm	N	E	W	N	Calm	27.2	36.2	53.4	17.7	134.5	0	Ci.	----------	5	----------	Cu. NNE
26	Calm	N	NNE	NNW	N	Calm	24.9	40.4	42.1	20.6	128	7	Ci.-S.	S.-Cu. NE	8	Ci.-S.	cu.-N. NE
27	Calm	Calm	NNE	N	N	N	24.3	50.1	60.2	24.4	159	0	----------	Cu.	5	----------	Cu. NNE
28	Calm	Calm	S	SW	N	N	21.7	39.7	66	25.2	152.6	0	----------	S.-Cu.	3	Ci.	Cu.
29	Calm	Calm	S	Calm	Calm	Calm	17.1	40.7	32	13.9	103.7	1	----------	S.-Cu.	10	Ci.-S.	N. NE
30	Calm	Calm	NE	N	Calm	Calm	21.9	43.1	65.5	20.4	150.9	4	Ci.-S.	s.-cu. ENE	5	Ci.	Cu. N
31	Calm	Calm	NE	N	Calm	Calm	14	52.9	52.5	17.4	136.8	9	A.-Cu.	s.-cu. NNE	7	Ci.-S.	S.-Cu. NE
Mean	------	------	------	------	------	------	22.3	40.5	49.1	20.1	132.1	4.7	----------	----------	6.6	----------	----------

CALBAYOG.

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.80 mm.]

NOVEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.32	59.99	60.28	57.59	59.14	60.53	23.7	22.7	29.5	30.8	25.7	23.9	32.6	22.5	95	96	72	69	88	93	1.5
2	59.48	60.02	60.67	57.92	59.64	60.63	23.8	22.9	29	31.4	25.9	23.8	32.1	22.7	94	95	71	58	85	93	3.8
3	59.07	59.89	60.50	58.33	59.21	60.19	23.4	23.2	28.7	28.4	25.4	24.2	29.6	23.1	94	95	75	73	84	92	5.6
4	58.91	59.62	59.56	57.58	58.17	58.76	23.7	21.5	28.4	29.9	24.8	23.1	30.6	21.3	94	95	66	58	85	92	.6
5	57.60	57.53	57.89	55.83	56.39	57.17	21.7	21.4	28.5	29.2	25.7	24.7	30.2	20.4	94	95	65	62	77	83	------
6	56.09	56.15	57.30	55.61	55.96	56.77	23.6	22.3	28.6	28.2	26.3	25.7	30.4	21.8	89	91	64	70	75	78	2.8
7	56.44	57.05	58.25	56.85	58.57	59.89	23.9	24	25.9	27.1	24.2	24.3	27.8	23.6	91	90	85	74	89	88	3.1
8	59.02	60.61	61.86	59.94	60.96	62.36	22.8	21.9	26.7	27.8	25.3	23.8	28.7	21.7	90	96	80	75	85	93	------
9	62.05	62.70	63.27	61.34	62.54	63.44	23.2	22.5	30.4	30.3	25.4	23.2	31.5	22.1	95	96	67	66	81	92	------
10	62.39	63.06	63.39	61.24	62.13	63.11	22	21.6	29.9	30.8	24.9	22.6	31.9	21.4	93	93	62	54	79	93	------
11	62.12	62.88	62.76	60.60	61.69	62.68	21.6	20.4	29	30.3	24.2	21	31.4	19.8	94	94	58	53	75	94	------
12	61.77	61.99	62.03	60.08	61.18	62.02	19.5	19.4	29.1	29.9	25.5	23.9	30.7	18.7	94	94	66	69	84	92	.5
13	60.91	61.67	62.08	59.59	60.21	60.91	23	22.9	28.4	28.1	26.5	25.3	31.4	22.6	95	96	72	79	82	89	1.8
14	59.77	60.70	61.11	59.04	60.21	61.19	24.1	24	26.9	30.1	26.1	24	30.7	23.8	92	92	86	66	85	93	4.1
15	59.55	60.46	60.19	58.51	59.53	60.91	23.7	23.3	30.5	27.6	26.2	24.9	31.3	23.1	94	95	72	80	90	93	1.5
16	58.94	59.91	60.24	58.48	59.35	60.36	24	23.9	29.6	28	26	24.2	31.7	23.5	94	95	73	77	86	92	3.3
17	59.74	59.96	60.52	58.23	59.36	60.43	23.6	23.3	29.9	29	25	24.2	31.8	23	93	94	73	78	87	92	9.9
18	59.13	59.72	60.38	58.20	58.85?	60.70	23.7	23.5	29.7	31.2	24.7	23.9	31.8	23.2	94	94	73	66	92	93	8.7
19	59.24	59.62	60.47	58.36	59.06	60.18	23.6	23.4	29.6	27.2	25.8	24.7	30.3	22.9	94	94	74	87	89	92	3.8
20	59.07	59.23	59.54	56.94	58.13	59.65	23.3	23.4	28.7	28.8	26.2	24.2	31.3	23.1	96	96	75	77	84	94	------
21	57.92	58.61	58.76	56.43	57.33	58.77	23.4	23.5	28	28.4	26.5	24.9	30.6	22.8	96	96	80	82	86	92	2.1
22	57.77	58.53	59	56.54	57.57	58.36	24.6	23.3	30.3	29.6	25.9	24.8	32.9	23.1	94	95	68	72	88	94	.8
23	57.61	58.53	59.04	57.51	57.97	58.98	24.6	23.6	30.4	26.3	25.6	23.9	31.7	23.4	94	95	67	90	93	94	16.3
24	57.86	58.82	59.60	57.84	58.95	60.28	23.2	22.7	29.4	27.2	25.8	24.2	30.5	22.5	95	97	75	83	91	95	.8
25	59.39	60.32	61.39	58.79	59.79	60.86	23.8	24	26.4	28.7	26.3	24.8	29.9	23.4	97	97	82	74	85	93	1.8
26	59.88	60.86	61.45	59.13	60.31	61.30	24	23.9	29	30.3	25.5	23.3	32	22.9	94	95	74	61	82	95	------
27	60.42	60.95	61.45	58.83	60.50	61.11	22.9	22.5	30	31.3	26.6	24.7	32.5	22.3	95	96	67	56	81	94	2.3
28	59.74	60.86	61.34	59.57	60.54	61.70	24.1	24.4	29.5	29.5	25.8	24.4	31.7	23.6	97	96	75	72	88	94	.8
29	60.80	61.22	61.54	59.09	60.13	60.95	23.2	23.1	29.1	30.6	25.5	23.9	31.6	22.7	95	96	74	63	83	94	3.1
30	59.90	60.40	61.13	59.31	59.96	60.86	23.1	23.4	27.9	25.5	24.4	23.3	30.7	22.5	97	95	80	90	94	95	3.3
Mean	59.40	60.06	60.57	58.44	59.44	60.50	23.3	22.9	28.9	29	25.6	24.1	31.1	22.4	94.1	94.8	72.4	71.1	85.1	92	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	82.3

Day.	Wind.											Clouds.					
	Direction						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	NE	ENE	Calm	Calm	18.8	51.3	59.8	23.6	153.5	3	Ci.	Cu.	8	Ci.-S.	Cu. NE
2	NNE	Calm	NNW	NNW	Calm	Calm	27.2	46.7	70.6	16.7	161.2	10	Ci.-S.	S.-Cu.	6	Ci.-S. E	Cu. N
3	Calm	Calm	NE	NNE	NNE	Calm	23.1	43.1	46.2	22.3	134.7	10	A.-Cu.	Fr.-N. NNE	10	A.-Cu.	S.-Cu.NbyE
4	Calm	Calm	N	N	Calm	Calm	19	54.7	63	22.3	159	8	Ci.-S.	S.-Cu.NbyE	7	Ci.-S.	S.-Cu.NNW
5	Calm	Calm	NW	WNW	Calm	NW	17.5	48.9	63.3	22	151.7	10	Ci.-S.	N. NNW	7	Ci.-S.	S.-Cu.NWbyN
6	Calm	Calm	W	WNW	WNW	WNW	21.7	70	73.2	57.1	222	10	Ci.-S.	S.-Cu.	9	Ci.-S.	S.-Cu. WNW
7	W	WNW	W	W	W	Calm	62.2	55.3	61	21.2	199.7	10	Ci.-S.	N. WbyN	10	Ci.-S.	Fr.-N. W
8	Calm	NNW	S	SSW	N	Calm	20.4	27.7	41.2	26.6	115.9	10	Ci.-S.	S.-Cu. W	7	A.-Cu. W	S.-Cu.
9	Calm	Calm	NNE	NNE	N	Calm	22	46.5	70.6	18.2	157.3	3	Ci.	----------	6	Ci.-S.	S.-cf. N
10	Calm	Calm	NE	NNE	Calm	Calm	24.6	63.9	70.5	21.4	180.4	0	----------	S.-Cu.	3	Ci.	Cu. NNE
11	N	N	NNE	NE	Calm	N	31.7	53.6	58.4	27.4	171.1	5	----------	S.-Cu. N	3	----------	Cu. NNE
12	N	N	NE	NNE	Calm	N	23.3	44.3	49.9	33.8	151.3	5	----------	S.-Cu. NE	6	----------	S.-cf. ENE
13	Calm	Calm	NE	NE	NE	NE	23.3	61.2	64.7	36.7	185.9	9	Ci.-S.	S.-Cu.ENE	8	A.-Cu.	S.-Cu.ENE
14	NE	NE	NE	NE	Calm	Calm	42.6	71.8	81.1	20.3	215.8	4	Ci.	S.-Cu.ENE	5	----------	S.-Cu. NE
15	NE	Calm	ENE	NE	Calm	NE	33.5	58.5	43.3	18.8	154.1	5	Ci.-S.	S.-Cu.ENE	9	A.-Cu.	S.-Cu.ENE
16	NE	N	NE	ENE	NE	NE	32.5	68.6	66.3	28.4	195.8	5	Ci.-S.	S.-Cu.ENE	9	Ci.-S.	S.-Cu. E
17	NE	NE	NE	ENE	NE	ENE	27.9	58.4	66.5	31.6	184.4	7	A.-Cu.ESE	S.-Cu.ENE	8	Ci.-S.	S.-Cu. E
18	NE	NE	NE	NE	NE	Calm	32.8	56.8	70.3	22.8	182.7	9	A.-Cu.	S.-Cu.ENE	7	Ci.-S.	S.-cf. NE
19	Calm	N	NE	Calm	Calm	N	26	51.8	36	25.2	139	3	----------	S.-Cu.	9	Ci.-S.	S.-Cu.ENE
20	Calm	Calm	NE	SSW	N	Calm	20.7	62.8	46.7	18.2	148.4	6	A.-Cu.	S.-Cu. NE	8	Ci.-S.	S.-cf. ENE
21	Calm	NNE	NE	SW	NNE	Calm	26.9	40.5	46.7	26	140.1	6	A.-Cu.	S.-Cu.ENE	5	Ci.-S.	S.-Cu.ENE
22	Calm	Calm	NNE	SW	N	Calm	21.1	48	43.7	23.9	136.7	2	Ci.	Cu.	6	----------	S.-cf. NE
23	Calm	Calm	NE	W	NE	Calm	15.8	55.8	34.3	25.2	131.1	6	Ci.-S.	S.-Cu. NE	7	Ci.-S.	Cu.-N.NE
24	Calm	N	N	NNW	N	Calm	21.5	41.6	48.6	32.5	144.2	2	Ci.	S.-Cu.	8	Ci.-S.	S.-Cu. E
25	N	N	N	NNE	Calm	Calm	32.8	70.5	61.5	16.1	180.9	9	A.-Cu.	S.-Cu. NE	9	A.-Cu.	S.-Cu. NE
26	Calm	Calm	NNE	NE	NNE	Calm	21.7	62	75.9	28	187.6	9	A.-Cu.	N. NE	4	----------	Cu. NE
27	Calm	Calm	ENE	ENE	Calm	Calm	13.1	56.1	67.1	20.1	156.4	2	Ci.	S.-Cu.	2	----------	Cu. NE
28	Calm	Calm	NE	NE	Calm	Calm	33.5	39.2	42	21.2	135.9	10	A.-Cu.	N. NE	8	A.-Cu.	S.-Cu.ENE
29	Calm	Calm	NNE	NE	NNE	Calm	17.2	57.9	79.7	23.3	178.1	7	A.-Cu.	S.-Cu. NE	5	Ci. SEbyE	Cu. NNE
30	Calm	Calm	NNE	NNE	Calm	Calm	21.5	36.5	39.4	20.9	118.3	10	Ci.-S.	N. NE	9	A.-Cu.	Fr.-N.
Mean	------	------	------	------	------	------	25.9	53.5	58	25.1	162.4	6.5	----------	----------	6.9	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	4,873.2	----	----------	----------	----	----------	----------

CALBAYOG.

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 5.5 meters; gravity correction not applied, −1.80 mm.]

DECEMBER, 1911.

Day.	Atmospheric pressure, 700.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.64	60.30	61.03	58.99	59.75	60.66	22.9	21.9	29.6	29.5	25.9	23.9	32	21.7	96	96	70	75	85	94	1
2	59.09	59.59	60.25	58.05	59.24	60.21	23.1	23.3	30.9	29.3	26	24	32.5	22.8	97	96	68	74	84	94	------
3	58.97	59.92	61.17	58.62	59.01	60	23	22.7	24	25.6	24.5	23	25.9	22.5	95	96	96	90	93	95	15
4	58.89	59.62	60.43	57.79	58.60	59.50	22.8	22.9	29.4	27.7	26.1	24.3	30.6	21.8	97	97	72	81	89	94	4.6
5	58.92	59.19	60.05	57.74	58.82	59.63	22.9	22.1	28	29.7	26.4	24.5	31.1	21.8	96	96	76	64	83	92	------
6	58.08	58.48	58.21	56.54	57.05	57.58	23.9	23.8	28.8	28.9	25.2	23.2	31.1	22.7	95	95	73	69	82	94	------
7	56.04	56.42	57.13	55.96	56.21	57.30	22.8	22.9	25.7	25.4	25.5	25.2	26.6	22.6	95	94	81	83	84	86	------
8	56.87	57.70	58.60	57.27	58.09	59.26	25.5	25.4	28.5	29	26.3	23.2	29.6	22.5	84	86	77	70	81	94	------
9	58.34	58.53	58.38	56.87	57.59	58.96	22.1	21.7	28.3	30.2	27.5	24.8	31.1	21.5	96	96	78	74	82	93	1.8
10	57.76	58.42	58.23	56.12	56.87	57.93	23.7	22.7	28.5	29.5	27.9	25.9	29.7	22.5	95	97	77	71	77	86	------
11	56.93	58.19	58.64	56.63	58.10	59.53	24.8	23.3	28.8	30	25.5	24.9	31.2	23.1	92	96	75	69	93	94	2.5
12	58.56	59.62	60.48	58.42	59.84	60.74	23.1	22	29.9	30.7	26	24.7	31.7	21.8	96	96	69	71	80	88	------
13	59.74	60.57	60.64	58.54	59.78	61.01	23.6	22.3	28.5	29.1	25.7	23.8	31.2	22.1	93	94	70	64	81	93	------
14	60.17	60.33	60.68	58.60	59.53	60.75	22.4	22.2	28.7	27.8	24.9	24.6	30	21.3	94	95	74	77	92	93	8.4
15	59.74	60.39	60.92	59.09	59.83	61.26	23.9	23.3	29	29.3	25.4	24.5	31.7	23	94	95	70	72	87	91	.5
16	59.89	60.82	61.24	59.66	60.94	62.21	23.7	23.7	29.4	30.7	25.5	23.9	32.9	23.3	95	96	71	62	84	93	------
17	61.30	61.75	61.84	60.04	61.13	62.65	23.3	23.1	29.7	29.7	25.9	23.9	32.3	22.7	95	96	67	67	86	93	------
18	62	62.46	63.09	60.99	61.93	62.84	23.1	22.8	29.1	31.1	26.5	23.1	32.5	22.4	94	95	68	58	76	93	------
19	61.74	62.01	62.44	60.24	60.78	61.58	22.3	21.7	28.9	26.5	26	25	31.2	20.9	95	96	69	86	85	91	14.2
20	60.69	61.62	62.62	60.79	62.16	63.38	23.9	23.2	29	31	26.1	24.3	32.4	22.6	94	96	68	52	78	88	------
21	62.06	62.76	63.70	61.67	62.78	63.60	22.9	22.4	28.7	31.3	26.2	24.2	31.9	22.2	90	92	71	57	80	91	------
22	62.64	62.97	63.30	61.01	62.16	62.54	22.6	21.8	29.5	31.4	26.2	24.9	32.2	21.6	92	94	63	56	79	87	2.3
23	61.55	62.34	63.40	61.37	62.45	62.92	24	23	28.9	30.7	25.3	22.2	31.4	21.2	92	94	65	55	76	95	.5
24	62.46	63.16	63.33	61.55	62.15	62.38	21.8	22	30.1	29.5	25.5	24	31.7	21	96	96	59	55	78	84	------
25	61.10	61.49	61.69	60.04	60.85	61.70	22.2	22.4	29.4	31	25.5	22.6	31.7	21.5	92	92	63	56	75	88	------
26	60.87	61.37	61.69	59.29	59.96	61.19	22.4	21.7	29.5	30	25.5	23.7	31.9	21.6	88	89	62	59	77	87	------
27	60.35	61.04	61.63	59.42	60.55	61	23	22.9	28.1	30.5	25.9	24.6	32.1	22.6	90	90	66	54	73	79	1
28	60.21	60.97	61.48	58.86	60.19	61.10	23.3	21.2	28	31.9	26.1	23.2	32.4	21	88	94	71	50	71	92	------
29	59.95	60.32	60.98	59.02	60.25	60.51	22	23	28.9	26.6	24.3	22.9	30.2	21.8	93	91	65	82	85	93	2
30	59.37	59.96	60.60	58.18	59.79	60.85	22.8	21.7	29.5	31.2	26	24.8	32.7	21.6	94	96	64	54	76	82	------
31	59.60	60.31	60.68	58.07	59.69	60.66	23.9	23.3	27.5	30	25.5	22.9	31.4	22.1	91	93	72	60	79	92	------
Mean	59.79	60.41	60.92	58.88	59.87	60.82	23.2	22.7	28.7	29.5	25.8	24	31.2	22.1	93.4	94.4	70.6	66.7	81.6	90.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	53.8

Day.	Wind.										Clouds.				
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.		2 p. m.	
												Amount.	Form and direction.	Amount.	Form and direction.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper. / Lower.		Upper. / Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*		*0–10*	
1	Calm	Calm	NE	NE	NE	N	33.8	56.3	38.1	26.4	154.6	1	---------- / S.-Cu.	8	Ci.-S. / S.-cf. NE
2	N	N	NE	S	Calm	Calm	29.5	46.5	47	16.4	139.4	5	---------- / S.-Cu. NE	8	Ci.-S. / Fr.-N. NE
3	Calm	Calm	NNE	NNE	Calm	Calm	16.7	32.2	32.7	13.1	94.7	9	A.-Cu. / S.-Cu. ENE	10	A.-Cu. / Cu.-N. ENE
4	Calm	N	NE	W	Calm	N	25.7	42	41	27.2	135.9	5	A.-Cu. E / S.-Cu.	7	---------- / S.-Cu. NNE
5	Calm	N	NE	N	Calm	Calm	20.4	54.4	57.9	13.7	146.4	3	Ci. / Cu.	8	Ci.-S. / S.-Cu. NNE
6	Calm	Calm	NE	NE	Calm	Calm	15.3	45.4	70	15	145.7	9	Ci.-S. / S.-Cu. NE	6	Ci.-S. / S.-Cu. WbyN
7	Calm	Calm	WNW	W	W	W	16.7	40.8	54.4	70.2	182.1	10	Ci.-S. / S.-Cu. N	10	Ci.-S. / Cu.
8	SW	SSW	S	S	Calm	Calm	77.2	59.5	35.6	26.8	199.1	5	Ci. / S.-Cu.	0	Ci. / Cu.
9	N	N	S	SW	SE	E	30.6	39.1	46.7	33.5	149.9	0	---------- / S.-Cu.	6	A.-Cu. SSE / Cu.
10	Calm	N	S	SSW	Calm	Calm	23.3	36.5	35.1	20.1	115	0	---------- / S.-Cu.	2	Ci. / S.-Cu. Ebys
11	Calm	N	S	ENE	Calm	Calm	23.1	35.1	35.7	23.6	117.5	4	Ci. / S.-Cu.	8	Ci.-S. / Cu. E
12	Calm	N	ENE	S	NE	NE	25.7	45.7	53.4	37	161.8	0	---------- / S.-Cu.	2	---------- / S.-Cu. E
13	NE	Calm	NE	NE	NNE	N	31.4	73.4	70.5	36.5	211.8	1	---------- / S.-Cu.	8	Ci.-S. / S.-Cu. NNE
14	N	N	NNE	N	Calm	Calm	36.2	58.1	59.8	21.4	175.5	4	Ci. / S.-Cu. ENE	9	Ci.-S. / S.-cf. ENE
15	NNE	N	NE	NE	NE	NE	37.2	86.6	79.1	33.5	236.4	6	Ci.-S. SE / S.-Cu.	6	Ci.-S. / S.-cf. E
16	Calm	Calm	ENE	E	NE	NE	31.2	50.2	56.9	35.7	174	7	A.-Cu. / S.-Cu. E	7	Ci.-S. / S.-cf. E
17	NNE	Calm	NE	ENE	NE	Calm	28.4	60	60.7	24.1	173.2	4	Ci. / ----------	6	Ci. / S.-cf. E
18	N	N	ENE	E	NE	NNE	34.9	74.3	76.2	28.5	213.9	0	Ci. / ----------	4	---------- / Cu. E
19	N	Calm	ENE	E	NE	NE	25.7	40.7	46.7	34.9	148	0	---------- / S.-Cu.	5	Ci.-S. / Cu.-N.
20	Calm	Calm	ESE	E	NE	Calm	18.2	49.9	62.8	30.6	161.5	9	Ci.-S. / S.-Cu. E	5	---------- / Cu. E
21	Calm	Calm	ENE	ENE	NE	NE	28.5	51.7	77.5	35.7	193.4	0	Ci. / S.-Cu.	2	---------- / Cu. ENE
22	Calm	Calm	ENE	E	NE	Calm	31.6	51.8	65.2	23	171.6	0	---------- / S.-Cu.	6	---------- / Cu. E
23	NNE	NNE	NE	NE	NE	NNE	38.4	77.4	73.2	24.1	213.1	2	---------- / S.-Cu.	6	---------- / Cu. NE
24	Calm	N	NE	NE	NE	Calm	28.8	64.1	85.6	36.2	214.7	7	---------- / S.-Cu. NE	7	---------- / S.-Cu. NE
25	N	N	NE	NE	NE	N	31.9	83.9	85.9	35.4	237.1	1	---------- / S.-Cu.	2	---------- / Cu. NE
26	N	NNE	NE	NE	NNE	N	51.5	82.1	96.6	42.6	272.8	0	Ci. / ----------	6	Ci. / S.-cf. NE
27	N	N	NE	NE	Calm	N	36.2	86.1	93.3	44.9	260.5	1	---------- / S.-Cu.	2	---------- / Cu. ENE
28	N	Calm	NNE	ENE	NNE	NNE	35.1	48	74	25.2	182.3	3	Ci. / S.-Cu.	6	Ci. / Cu. ENE
29	Calm	N	NE	ENE	NE	N	29.2	59.8	39.1	25.4	153.5	8	Ci.-S. / S.-Cu. ENE	9	A.-Cu. / S.-Cu. ENE
30	NE	Calm	ENE	ENE	NE	Calm	28.8	67.6	87.1	20.7	204.2	2	Ci. / ----------	2	---------- / Cu.
31	Calm	Calm	NE	NE	NE	Calm	24.9	58.4	80.8	34.4	198.5	9	Ci.-S. / S.-Cu. ENE	4	Ci. / S.-Cu. ENE
Mean	------	------	------	------	------	------	30.5	56.7	61.9	29.5	178.6	3.7	---------- / ----------	5.7	---------- / ----------
Total	------	------	------	------	------	------	------	------	------	------	5,538.1	----	---------- / ----------	----	---------- / ----------

LEGASPI.

[$\phi = 13°\ 09'$ N; $\lambda = 123°\ 45'$ E; barometer above sea, 4.2 meters; gravity correction not applied, —1.77 mm.]

JANUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.64	61.65	62.35	60.52	61.38	61.40	23.2	23.3	25	26.3	25.5	24.3	27.5	22.5	97	96	91	86	80	84	3.6
2	60.18	60.70	61.53	59.53	60.65	61.44	24	23.5	27.5	28.9	25.9	24.1	29.5	23	83	86	71	65	80	86	------
3	60.96	61.19	62.28	60.43	61.30	61.65	23.6	23.4	28.2	28	25.9	25.4	29.8	22.5	88	83	67	70	80	88	30.2
4	60.96	61.89	62.44	60.50	61.33	61.70	24.3	23.5	23.9	26.4	24.5	25.1	26.8	22.9	91	96	97	88	95	91	22.5
5	60.73	61.65	62.65	59.99	61.04	61.55	23.2	23	26.1	28.7	26.5	25.5	28.8	22.4	98	99	91	78	87	95	3.8
6	60.76	60.90	61.67	59.62	60.53	61.93	25.3	23	27.8	28.7	27	26.4	29.5	22.1	94	99	82	80	83	87	2.1
7	60.93	61.64	62.38	59.57	61.09	62.44	25.5	25.4	28.2	27.6	26.1	24.4	29.3	23.6	84	84	74	76	83	94	8.9
8	61.66	61.84	62.64	59.49	60.68	60.62	24.6	24.4	26.3	26.9	25.5	25.8	28.1	22.6	93	94	89	84	89	88	35.6
9	59.71	59.93	60.70	57.56	58.57	59.29	25.7	24.1	25.4	27.5	25.5	23.5	27.5	22.6	88	99	96	84	94	99	12.5
10	58.33	58.27	59.17	56.70	56.96	58.34	22.3	21.2	27.5	29	26	24.4	30	20.6	94	99	84	78	92	97	------
11	57.63	58.10	59.30	56.90	57	58.65	22.8	21	28	30.5	26.6	22.5	30.7	20.5	93	99	82	68	83	96	------
12	58.53	58.56	59.35	57.57	58.43	59.62	20.4	19.4	27.5	29.9	25.9	25.3	30.6	18.5	96	99	75	69	90	88	------
13	58.72	59.39	60.92	59.53	60.69	61.20	24.6	22.5	26.4	24.5	24.5	24.4	29.9	22	92	98	88	94	94	90	11.7
14	60.36	60.55	60.99	58.69	59.03	60.25	25	24.5	28.3	29.9	26.4	24	30	23	88	92	77	72	88	97	------
15	59.28	59.39	60.13	57.42	57.68	58.59	22.6	22	28.3	30.5	26.2	25.4	31.5	21.4	99	99	75	68	91	88	------
16	58.17	58.32	60.33	58.75	59.60	60.42	24.5	24.4	26.8	29.5	26	25.8	29.6	23.6	92	92	80	68	83	81	------
17	59.60	59.54	60.59	58.47	58.93	60.55	24.9	24.4	29.7	29.9	27	25.1	30.8	24	85	87	71	68	81	90	------
18	60.04	60.31	61.09	58.87	59.57	60.48	22.9	21.9	29.4	30.4	26.9	25.8	30.9	21.1	97	96	74	69	83	88	4.6
19	59.53	59.45	61.14	59.37	59.90	60.78	23.7	23	27.6	28.5	25.8	25.4	29.2	22	92	96	76	76	86	81	.3
20	60.01	59.84	61.77	60.17	60.35	61.37	24.8	24.9	28.7	28.4	25.9	25.4	29	24.3	83	81	69	70	80	88	------
21	60.31	60.34	61.09	58.95	59.50	60.77	25.1	24.8	26.5	29.3	25.9	25.6	29.6	23.2	88	89	83	65	80	86	23.3
22	59.91	60.31	61.14	58.80	58.85	59.91	22.6	22.8	27.4	28.4	26.4	25	29.5	21.7	96	98	77	72	84	92	1
23	59.01	59.07	59.85	57.41	58.15	58.86	22.7	23	25.5	27.9	24.9	24.9	29.1	21.9	97	96	89	81	86	88	.3
24	57.64	57.68	58.66	56.55	57.74	58.90	21.7	21	27.1	27.6	25.9	25.6	29.5	20.1	96	99	84	81	88	83	------
25	58.23	58.83	60.08	57.43	58.38	59.20	25	20.8	26.3	29.5	26	25.4	30.1	20.5	80	97	85	71	87	92	------
26	58.32	58.25	59.05	57.03	57.20	58.34	24.3	24.4	28.8	29	26.8	24.1	30.6	22.7	95	95	63	76	85	96	1.5
27	57.67	57.70	58.50	56.51	56.70	58.13	22.2	21	28.4	29.8	27.3	25.3	30.7	20.4	95	99	82	78	84	95	------
28	57.01	57.14	58.45	56.24	57.12	58.16	23.2	22	28.5	30.4	27	26.4	31.2	21.5	93	99	81	75	84	88	------
29	57.25	57.88	59.16	56.97	57.20	58.33	25	23	29.5	30	27.1	26.4	30.6	21.6	92	97	76	71	83	91	6.1
30	58.21	58.25	59.02	56.95	57.70	58.91	24.6	24.1	26.9	28.1	26.4	25.5	29.7	23.1	97	99	88	83	92	95	.8
31	58.20	58.42	59.39	57.31	57.75	58.28	24.5	23.2	29.3	29.4	27.4	26.4	31	22.1	97	98	82	81	85	86	------
Mean	59.31	59.58	60.57	58.38	59.06	60	23.8	23	27.4	28.7	26.2	25.1	29.7	22.1	92	94.8	80.6	75.6	85.8	89.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	168.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	ENE	E	ESE	NE	ENE	NE	83.7	102.2	83.7	62	331.6	10	Ci.-S.	Fr.-N. NE	9	Ci.-S.	Cu.-N. NE
2	NE	NE	NE	NE	ENE	NE	56.3	74	73.2	49.9	253.4	6	Ci.	Cu. NE	4	Ci.	Cu. NE
3	NE	NE	NE	ENE	ENE	NE	56.3	75.6	59.5	66	257.4	4	Ci.	Cu.	10	Ci.-S.	Cu.
4	NE	ENE	ENE	NE	NE	NE	83.7	102.2	85.3	53.1	324.3	10	----------	N.	10	Ci.-S.	Fr.-N. NE
5	Calm	Calm	Calm	E	ENE	NE	5.6	18.3	42.8	45.1	111.8	7	A.-Cu.	N. NE	4	A.-Cu. SE	Cu.
6	NE	Calm	NE	NE	ENE	NE	33.5	54.2	75.6	106.2	269.5	5	Ci.-S.	N. NE	7	----------	Cu.-N. NE
7	NE	NE	NE	NE	NE	NE	85.3	101.4	124.7	122.3	433.7	5	Ci. SSE	Cu. NE	8	Ci.-S.	Cu.-N. NE
8	NE	NE	NNE	NE	NE	NE	90.9	82.9	103.8	100.6	378.2	10	Ci.-S.	Fr.-N.	10	Ci.-S.	Fr.-N. NE
9	NE	NE	Calm	NE	NE	Calm	78.9	29	37.8	5.8	151.5	10	----------	N. E	8	Ci.-S. W	Cu.
10	Calm	Calm	Calm	ESE	E	Calm	2.4	17.1	45.1	17.4	82	3	Ci.	Cu. ENE	3	----------	Cu. NE
11	Calm	Calm	E	E	E	Calm	7.4	29.6	53.1	9.7	99.8	1	Ci.	Cu.	1	----------	Cu.
12	Calm	Calm	NNE	ESE	NE	NE	16.1	29	77.2	63.6	185.9	0	----------	----------	1	Ci.	Cu.
13	NE	Calm	NE	E	E	NE	28.2	------	------	------	------	4	Ci.-S.	Cu. NE	10	Ci.-S.	N. NE
14	NE	Calm	NE	NE	NE	Calm	------	------	45.1	6.2	------	7	Ci. W	Cu. ENE	3	----------	Cu. NE
15	Calm	Calm	NE	E	Calm	NE	3.8	22	45.9	71.6	143.3	2	Ci.	Cu.	2	----------	Cu.
16	NE	NE	NE	NE	ENE	NE	91.7	99	95	80.5	366.2	4	Ci.	Cu.-N. NE	6	Ci.-S.	cu.-N.NNE
17	NE	NE	NE	ENE	ENE	Calm	53.1	59.5	83.7	22.3	218.6	2	Ci.-S.	Cu. ENE	2	----------	Cu.
18	Calm	Calm	NE	ESE	SE	NE	4	29.8	69.2	51.5	154.5	1	Ci.	Cu.	1	----------	Cu.
19	E	Calm	NNE	NE	NE	NE	19.3	87.7	94.1	86.9	288	9	Ci.-S.	Fr.-N. NNE	8	Ci.-S.	Cu. NE
20	NE	NE	NE	NE	NE	NE	95	101.4	92.5	73.2	362.1	3	Ci.	Cu.	9	Ci.-S.	Cu. NNE
21	NE	E	NE	NE	NE	NE	62	89.3	95.8	64.4	311.5	3	Ci.-S.	Cu. ENE	4	Ci.-S.	Cu. NE
22	Calm	NE	ENE	NE	E	NE	36.2	65.2	67.6	36.2	205.2	10	Ci.-S.	N.	9	Ci.-S.	Cu.
23	Calm	NNE	ENE	NE	ENE	E	13.7	70.8	85.3	39.2	209	9	Ci.-S.	Fr.-N. NE	6	----------	Cu.-N.
24	Calm	Calm	NE	ENE	NE	NE	4.5	46.4	62.8	49.1	162.8	2	Ci.	Cu.	3	Ci.	Cu. ENE
25	NE	Calm	ENE	ENE	NE	NE	28.2	32.2	72.4	62.8	195.6	2	A.-Cu. SE	Cu.	1	----------	Cu.
26	Calm	NE	NE	NE	NE	Calm	37.8	55.5	59.5	12.1	164.9	5	Ci.	Cu. E	4	A.-Cu. SE	Cu.
27	Calm	Calm	NE	E	E	Calm	4.5	20.4	68.4	9.5	102.8	1	Ci.	Cu.	3	Ci.	Cu.-N.
28	Calm	Calm	ENE	ESE	E	E	4.2	40.2	56.3	47.5	148.2	1	Ci.	Cu.	2	----------	Cu.
29	NE	Calm	ENE	ESE	E	NE	23.8	55	62	62	202.8	1	Ci.	Cu.	2	----------	Cu.
30	Calm	Calm	NE	Calm	E	Calm	28.2	38.6	47.5	20.1	134.4	9	----------	N. ENE	7	A.-Cu.	Cu. E
31	Calm	Calm	ENE	E	E	E	5.9	39.1	86.9	58.7	190.6	4	Ci.	Cu.-N. E	2	Ci.	Cu.
Mean	------	------	------	------	------	------	38.1	57.5	71.7	51.8	222.1	4.8	----------	----------	5.1	----------	----------

LEGASPI.

[$\phi = 13° 09'$ N; $\lambda = 123° 45'$ E; barometer above sea, 4.2 meters; gravity correction not applied, −1.77 mm.]

FEBRUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.57	58.29	59.31	57.08	57.58	58.91	26.2	25.7	29.8	30	26.9	22.7	30.9	21.8	84	85	73	71	82	97	------
2	59.12	59.28	60.53	57.78	58.77	59.73	21.6	21	28.5	30.2	27.2	23.4	30.9	20.9	95	90	80	73	82	97	------
3	59.36	59.65	60.74	58.98	59.08	60.55	22	24.9	30.5	31.5	27	25.9	31.9	21.8	87	83	72	68	83	88	------
4	60.21	60.23	61.78	59.81	60.49	61.67	25.1	25	28.7	30.1	24	25.4	31.7	22	88	88	73	73	95	87	14
5	60.94	60.99	61.92	59.89	59.89	60.48	24.9	24.4	29.4	29.9	27.1	25.9	30.6	23.9	83	85	67	65	76	84	1
6	59.64	59.43	60.13	58.54	59.17	60.08	24.9	25.3	27.7	27.3	25.5	25.4	29.1	23.5	89	88	77	82	88	88	19.8
7	59.74	60.23	61.67	59.48	59.59	60.35	25.7	25.3	27	28	26.1	26	28.4	22	86	82	80	77	82	78	2.5
8	59.80	60.11	61.49	59.18	59.10	60.44	25.7	24.8	28	29	26	25.5	29.3	23.6	78	84	70	70	76	79	------
9	59.98	60.10	61.23	58.87	59.50	60.97	25.2	25.4	29.3	29.3	26.5	25.9	30.2	24.4	80	80	70	73	84	84	------
10	60.32	60.98	62.55	60.45	60.87	61.77	25.4	25.4	24.6	27.4	25.4	25.4	28.2	23.5	87	88	98	84	92	92	47.8
11	61.10	61.33	62.63	60.93	61.67	62.98	25.2	23.7	26.5	28.5	25.4	24.4	28.8	23.1	93	99	88	81	93	97	19.6
12	61.90	61.94	62.93	60.94	61.24	62.24	23.8	24.9	24.9	25.9	24.5	24.9	28.5	22.5	98	92	97	88	95	87	25.4
13	61.33	61.40	62.88	60.55	60.69	61.40	24.8	24.1	27.9	27.1	23.9	23.5	29.7	22.7	86	90	74	76	96	95	10.1
14	59.89	60.36	60.84	58.78	59.43	60.19	23.2	23.4	26.7	26.9	25.5	24.4	27.9	22.6	98	99	86	89	91	97	12.2
15	59.28	59.18	59.60	58.11	57.92	58.71	24.5	24	26.9	25.2	24.4	24.5	27.7	23.5	96	96	80	98	96	96	8.2
16	58.02	58.08	59.09	57.22	57.75	58.35	24.4	24.3	26	26.8	24.9	24.9	27.6	23.5	96	97	82	86	96	96	16
17	57.61	57.85	59.23	56.86	57.44	58.54	24.7	25	26.9	28.5	25.7	25.7	29	23.8	96	95	89	88	98	93	------
18	57.87	58.02	59.58	57.78	58.61	59.86	24.1	23.1	27	27.5	25.9	25.4	28.8	22.2	98	99	96	85	97	92	65
19	59.03	59.65	61.25	59.95	60.76	62.11	23.1	22.6	23	23.9	23.8	23.8	24.6	22.4	93	98	98	91	91	95	27.4
20	61.30	62.08	63.03	60.75	60.75	62.55	23.2	23	23.6	23.8	23.9	23.5	24.4	22.4	98	98	97	93	95	96	58.2
21	61.40	61.66	62.41	60	60.40	61.54	23.5	23.5	23.5	23.8	24.2	24.5	24.5	22.7	96	98	94	97	94	95	23.9
22	60.14	59.96	60.98	58.01	58.96	60.24	23	23.1	25.8	27.5	24.4	24.5	28.6	22.5	99	99	93	73	88	87	------
23	59.49	59.95	61.22	59.04	59.73	61.70	23.9	22.4	28.4	28.4	25.6	24.5	29.5	21.5	85	93	81	81	83	87	------
24	60.59	61.14	62.38	59.81	60.56	61.73	22.3	23.6	28.9	28.6	24.8	24.8	31	19.4	97	97	62	78	88	89	.5
25	60.38	60.75	61.94	59 11	59.65	60.49	23.5	24.4	26.7	25.4	24.3	24.5	28.9	22.5	95	92	91	93	96	92	16.8
26	59.07	59.27	60.75	58.75	58.61	60.04	24.2	22.9	23.4	25.3	24.8	23.5	26.6	22.4	93	99	97	88	89	98	9.2
27	59.15	59.55	60.74	58.10	58.72	59.91	23.2	22.9	26.2	28.4	25.9	25	28.5	22.5	98	99	89	85	92	92	.8
28	59.36	59.24	60.33	58.32	59.18	60.35	22.9	21.9	27.6	29.8	26.4	25.5	30.8	20.7	97	98	85	83	93	93	------
Mean	59.77	60.02	61.18	59.04	59.50	60.64	24.1	23.9	26.9	27.6	25.4	24.8	28.8	22.5	91.8	92.5	83.5	81.8	89.7	91.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	378.4

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1	E	ENE	E	E	E	Calm	52.3	59.5	77.2	14.8	203.8	4	Ci.	Cu.-N. ENE	1	Ci.	Cu.
2	Calm	Calm	E	E	SE	Calm	4.3	34.3	59.2	17.9	115.7	0	----------	----------	1	----------	Cu.
3	Calm	NE	NE	ENE	NE	Calm	27.6	64.4	66	36.5	194.5	3	Ci.	Cu. ENE	4	Ci.	Cu. ENE
4	NE	NE	NE	E	NE	NE	56.9	78.1	77.9	61.8	274.7	5	Ci.	Cu. E	6	Ci.	Cu. E
5	NE	NE	ENE	ENE	E	E	88.8	96.3	103.2	74.8	363.1	7	Ci.-S.	Cu. ENE	5	Ci.-S.	Cu. ENE
6	NE	ENE	NE	E	ENE	NE	60.7	98.7	162.7	146.9	469	7	Ci.-S.	Cu. ENE	9	Ci.-S.	Cu.-N. E
7	ENE	NE	ENE	ENE	E	NE	160.4	159.1	146.4	129.5	595.4	9	Ci.-S.	Cu.-N. NE	7	Ci.-S.	Cu.-N. ENE
8	ENE	NE	ENE	ENE	E	NE	117	134.2	115.1	96.6	462.9	4	Ci.-S.	Cu.-N. NE	8	Ci.-S.	Cu.-N. ENE
9	NE	NE	NE	NE	NE	NE	98.2	122.8	133.6	101.1	455.7	5	Ci.-S.	Cu. NE	5	Ci.	Cu. NE
10	NE	NE	NE	NE	NE	NE	122	98.4	93.3	89.6	403.3	4	Ci.-S.	Cu.-N. NE	9	Ci.-S.	Cu.-N. ENE
11	NE	Calm	NE	ENE	NE	NE	59.5	36.4	75.6	58.5	230	10	----------	N. ESE	4	Ci.-S.	Cu. SE
12	NE	E	ESE	E	NE	NE	83.4	96.3	99	113	391.7	9	Ci.-S.	N. ENE	10	Ci.-S.	N. NE
13	NE	NE	NE	NE	NE	NE	99.8	88.7	79.4	69.7	337.6	5	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N. ENE
14	NE	NE	NE	NE	NE	NE	74	91.7	119.6	97.1	382.4	10	Ci.-S.	N. ENE	10	Ci.-S.	Cu.-N. NE
15	NE	NE	NNE	NE	NE	NE	81.5	106.5	93.1	108.9	390	10	Ci.-S.	Fr.-N. NNE	10	Ci.-S.	Fr.-N. NE
16	NE	NE	NNE	NNE	NE	NE	90.6	91.7	97.7	64.9	344.9	10	Ci.-S.	Fr.-N. NNE	10	Ci.-S.	Fr.-N. NNE
17	NE	NE	NE	ENE	E	Calm	84.7	66.2	67.3	33.3	251.5	10	Ci.-S	N.	9	Ci.-S.	Cu.
18	Calm	Calm	NE	E	NE	Calm	4.5	42	56.1	24.7	127.3	2	A.-Cu.	Cu.	7	Ci.-S.	Cu.-N. NE
19	Calm	NNE	NNE	NNE	NNE	NE	84.7	179.9	171.6	174.4	610.6	10	Ci.-S.	N.	10	Ci.-S.	Fr.-N. NNE
20	NNE	NNE	NNE	NE	NE	E	143.2	106.2	84.5	65.2	399.1	10	Ci.-S.	Fr.-N. NNE	10	Ci.-S.	Fr.-N. NNE
21	NE	NE	NE	ENE	ENE	NE	56.6	70.8	68.1	59.7	255.2	10	Ci.-S.	N. NE	10	Ci.-S.	Fr.-N. NE
22	NE	NE	NNE	NE	NE	NE	52.5	57.9	67.6	59	237	10	Ci.-S.	Fr.-N. NE	10	Ci.-S.	Fr.-Cu.NNE
23	Calm	Calm	NNE	NE	NE	ESE	25.2	37	63.1	58.2	183.5	7	----------	N. NE	4	----------	Cu.-N. N
24	NE	Calm	NE	NE	NE	NE	27.9	60	68.1	54.7	210.7	1	----------	Cu.	5	Ci.	Cu. N
25	Calm	NE	NNE	NE	NE	NE	19.3	52.5	50.1	47.7	169.6	8	Ci.-S.	N. N	10	Ci.-S.	Fr.-N.NNE
26	Calm	Calm	NE	NE	NE	Calm	17.7	31.7	48	8	105.4	10	Ci.-S.	Fr.-N. NE	9	Ci.-S.	N. NNE
27	Calm	Calm	NNE	NE	NE	NE	9.5	34.3	47.2	44	135	10	Ci.-S.	N.	7	A.-Cu.	Cu.
28	Calm	Calm	NE	ENE	NE	NE	10.8	27.6	43.3	37	118.7	0	----------	----------	1	----------	Cu.
Mean	------	------	------	------	------	------	64.8	79.4	86.9	69.6	300.7	6.8	----------	----------	7.2	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	8,418.3	----	----------	----------	----	----------	----------

LEGASPI.

[$\phi = 13°\ 09'$ N; $\lambda = 123°\ 45'$ E; barometer above sea, 4.2 meters; gravity correction not applied, —1.77 mm.]

MARCH, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.64	60.47	61.64	59.08	59.68	60.28	22.3	21.4	28.7	30.3	26.5	25	31	20.6	97	99	80	84	95	92	------
2	59.39	60.40	61.27	59.23	59.48	60.48	22.3	21.3	28	28.6	25	24.9	30.7	20	96	96	78	85	91	91	------
3	59.41	60.02	61.36	59.80	60.48	61.55	21.3	20.8	25.7	24.3	23.7	23.4	27.1	20	99	97	79	90	85	99	10.5
4	60.06	61.11	62.10	60.29	60.72	61.79	23.3	23.8	26.6	28.5	25	24.5	28.6	22.2	92	89	81	80	92	87	------
5	60.83	61.46	62.54	60.66	60.64	61.33	24	23.9	28.1	29.1	25.8	24.2	29.6	21.7	88	88	80	81	86	92	------
6	60.44	60.54	61.98	59.61	59.50	60.34	20.1	19.3	28.4	29	24.7	20	29.8	18.1	91	95	79	81	91	99	------
7	60.16	60.07	61.35	59.26	59.73	60.73	19.7	22.4	28.3	29.5	25.9	24.8	29.9	19.5	92	87	80	78	88	90	------
8	59.94	60.65	61.51	58.94	59.32	60.19	24.6	22.8	26.6	29.2	26	24	30.2	22	87	97	84	83	89	91	------
9	59.50	59.74	61.33	58.61	59.39	60.40	22.9	24.5	30	30.9	26	25.7	31.5	22.4	95	92	82	80	92	90	------
10	59.03	59.18	60.45	56.84	58.57	59.46	22.5	23.4	27.3	28.3	24.9	24	29.7	19.5	96	90	87	88	96	97	2.5
11	58.22	58.44	60.20	58.02	57.76	58.89	23	23.4	25.5	26.2	26.1	26	28.2	22.6	99	99	98	91	93	97	46.2
12	58.61	59.86	61.41	59.70	60.74	61.85	25.3	24.8	29.4	29.4	27.4	26.5	31.3	24	97	93	79	75	84	84	------
13	61.21	61.21	62.44	60.15	60	61.04	25.6	25.1	29.8	30.7	26.8	25.3	31	24.6	87	87	76	76	90	92	1
14	60.26	60.15	61.39	59.35	58.98	60.17	24.9	25	31.2	30.4	27.5	25.7	32.5	24	92	90	79	79	87	93	------
15	59.07	59.04	60.53	58.26	58.60	59.72	25.5	25.4	30.8	31.3	27.2	25.8	32	24.6	92	92	69	66	83	88	------
16	58.82	59.07	60.41	58.53	59.01	59.72	24.9	24.8	30.5	30.3	27.4	26.5	32	24	89	89	78	79	86	91	------
17	59.06	59.11	60.60	58.58	59.02	60.04	25.7	25.5	30.3	30.3	26.9	25.8	31.9	25	94	94	74	80	91	92	------
18	59.19	59.55	60.50	58.66	58.90	60.24	24.7	24.6	31	30.8	27.9	24.4	32.1	23.4	93	93	80	80	89	98	------
19	59.40	60.24	61.33	59.48	59.11	60.55	22.6	22.5	29.9	31.3	27.5	26.4	32.1	22	97	98	65	61	73	80	------
20	59.77	60.40	61.66	59.49	59.66	61.11	25.1	25	30.1	30.8	27.3	26.5	32.2	24.5	83	83	64	67	78	80	------
21	60.19	60.33	62.05	60.04	60.44	61.24	25.2	25	28.9	32.1	25	25.8	33	24	85	83	81	63	90	91	1.3
22	60.70	61.03	62.09	60.05	60.02	61.14	25.2	24.9	30.2	32.8	27.3	26	33.3	24.3	90	88	64	58	84	90	------
23	60.32	61.10	61.90	59.78	59.70	60.86	25.3	22.8	28	32.7	27.4	26.2	33.5	22.3	91	96	74	61	84	86	------
24	60.40	60.91	61.75	59.68	59.79	61.20	24.4	21.3	29	32.4	27.5	25.8	33.1	20.8	82	97	68	63	84	92	5.6
25	60.50	60.69	61.74	59.75	60.82	61.96	25.7	25.5	28.9	30.8	26.1	24.3	32.6	22.9	90	90	80	71	88	88	13.9
26	61.13	62.02	62.94	61.08	61.57	62.63	22.9	23	26.3	24.9	24.4	24.4	26.9	22	98	99	87	95	95	95	24.6
27	61.86	61.90	63.57	61.62	61.50	62.40	23.9	24.5	25.6	28	25.2	25.4	28.6	21.5	93	95	90	75	93	92	20.5
28	61.07	61.48	62.55	60.88	61.11	62.22	24.9	23.9	26	30.4	26.3	25.9	31.1	23	93	96	85	74	90	90	10.4
29	61.09	61.17	62.60	60.84	61.35	62.31	25.3	26	28.9	31	26.9	26.5	32	23.6	86	85	71	66	84	87	------
30	60.11	61.59	62.24	60.09	60.45	61.66	25.6	25.9	28.7	30.8	26.9	26.3	31.7	25	88	86	65	62	77	76	------
31	59.66	59.64	60.63	58.29	58.36	58.73	25.4	25.5	29.4	31.5	27	26.5	32.1	24.7	80	80	68	57	77	80	------
Mean	60.03	60.41	61.61	59.50	59.82	60.85	24	23.8	28.6	29.9	26.3	25.2	31	22.5	91.4	91.7	77.6	75.1	87.3	90	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	136.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	ENE	ENE	NE	Calm	7.4	34.9	44.8	31.9	119	0	----------	----------	1	Ci.	Cu.
2	Calm	Calm	NE	NNE	NE	NE	13.2	34.4	41.6	41.3	130.5	6	Ci.-S.	Cu. NNE	4	A.-Cu.	Cu. NNE
3	Calm	Calm	ENE	NE	NE	E	16.9	35.4	43.1	43.1	138.5	6	----------	Cu.-N. NE	10	Ci.-S.	Fr.-N. NE
4	ENE	ENE	ENE	ENE	NE	NE	43.8	57.9	58.5	46.4	206.6	9	Ci.-S.	Fr.-N. NE	2	----------	Cu.
5	NE	NE	NE	E	E	NE	39.4	39.6	39.4	35.1	153.5	0	----------	----------	1	----------	Cu.
6	Calm	Calm	NE	E	E	Calm	1.4	37	41.3	10.8	90.5	3	Ci.	Cu.	1	Ci.	Cu.
7	Calm	NE	ENE	E	E	NE	15.6	38	40.4	35.9	129.9	1	Ci.	Cu.	1	Ci.	Cu.
8	Calm	E	ENE	ESE	E	NE	35.7	41.2	40.4	37.3	154.6	9	Ci.-S.	Fr.-N. NE	8	Ci.-S.	Cu. ENE
9	NE	NE	NE	ENE	NE	NE	34	38.8	38.9	35.4	147.1	3	A.-Cu.	Cu. NE	1	----------	Cu.
10	Calm	NE	ENE	ENE	Calm	Calm	16.6	39.2	------	------	------	2	Ci.	Cu.	10	Ci.-S.	Cu.
11	Calm	Calm	NNE	E	NNE	SE	13.7	61	61.5	88.5	224.7	8	Ci.-S.	N.	10	Ci.-S.	Fr.-N. ENE
12	Calm	Calm	ENE	NE	NE	N	18.5	46.2	117	71.6	253.3	6	A.-Cu.	Cu. S	5	A.-Cu.	Cu. ESE
13	NNE	Calm	ENE	NNE	NE	N	69.2	59.5	63.8	62.2	254.7	3	A.-Cu. SE	Cu. E	7	Ci.-S.	Cu.-N. E
14	NE	NNE	ENE	ENE	NNE	Calm	50.4	66.8	70.2	43.5	230.9	2	Ci.	Cu. ENE	6	Ci.-S.	Cu. E
15	NNE	NE	ENE	NE	NE	N	45.6	64.4	69.2	59.8	239	1	----------	Cu.	1	----------	Cu.
16	NNE	Calm	NE	NE	NE	N	36	62	75.6	49.3	222.9	0	----------	----------	1	----------	Cu. E
17	Calm	Calm	ENE	NE	NE	N	27.4	56.8	66.3	38.1	188.6	1	----------	Cu. NE	2	----------	Cu.
18	Calm	Calm	NE	NE	NE	Calm	14.8	51.5	58.9	13.2	138.4	3	----------	Cu. ENE	5	Ci. SE	Cu.
19	Calm	Calm	NNE	NNE	NNE	N	14.5	78.6	93.8	89.3	276.2	2	----------	Cu. NE	2	----------	Cu. NE
20	NNE	NNE	NNE	NE	NE	N	77.2	96.1	97.7	90.1	361.1	1	----------	Cu.	4	A.-Cu.	Cu. ENE
21	NNE	NNE	NNE	ENE	NE	N	64.1	86.7	86.9	61	298.7	1	----------	Cu.	1	----------	Cu.
22	NNE	NNE	NE	NE	NNE	N	67.1	75.3	64.7	55.3	262.4	1	----------	Cu.	4	----------	Cu. NE
23	NNE	Calm	N	NE	NNE	N	28.7	69	74.6	70.2	242.5	2	Ci.	Cu. NE	2	----------	Cu.
24	Calm	Calm	NNE	NNE	NNE	NE	12.7	86.9	98.7	67.9	266.2	1	----------	Cu.	2	Ci.	Cu.
25	NNE	NE	NNE	NNE	NNE	N	75.1	80.2	85.1	68.1	308.5	2	----------	Cu. ENE	7	----------	Cu.-N. ENE
26	Calm	NNE	NNE	NE	NNE	N	59.5	67.1	57.4	59.3	243.3	10	----------	N. NE	10	Ci.-S.	Fr.-N. NE
27	NNE	NE	ENE	NNE	Calm	N	67	51.8	44.5	64.6	227.9	9	Ci.-S.	Cu. NE	8	Ci.-S.	Cu. NE
28	NNE	NNE	NNE	NE	NE	NE	50.9	91.4	104.6	76.1	323	5	----------	Cu.-N. ENE	6	Ci.-S.	Cu. ENE
29	NE	NE	NE	NE	NE	NE	109.1	122.9	130.2	96.1	458.3	3	----------	Cu.-N. ENE	7	----------	Cu.-N. ENE
30	NNE	NNE	NE	NNE	NNE	N	91.1	114.5	105.7	102.7	414	3	Ci.	Cu. ENE	6	----------	Cu.-N. ENE
31	NNE	NNE	NNE	NNE	NNE	N	82.1	102.7	98	85.5	368.3	4	Ci.	Cu. NE	3	Ci.	Cu.
Mean	------	------	------	------	------	------	41.9	64.1	70.4	57.7	235.8	3.5	----------	----------	4.5	----------	----------

LEGASPI.

[$\phi = 13° 09'$ N; $\lambda = 123° 45'$ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

APRIL, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.99	57.89	59.13	56.83	57.74	59.05	26	26.1	29.9	29.1	25.5	24.3	32.1	23.5	83	83	71	76	92	89	54.4
2	58.63	58.87	59.52	58.04	58.22	59.57	24	24.8	27.8	29.3	26.7	25.7	30.5	22.4	86	87	68	59	74	85	1
3	58.31	58.88	59.94	58.40	59.40	60.72	24.6	23.4	28.4	32.8	27.4	24.3	33.8	22.6	87	93	77	60	81	92	8.6
4	59.54	59.34	60.52	58.75	58.62	59.86	24.2	25.5	28.1	30.5	27	26.5	31.9	22.6	92	88	84	67	80	82	3.1
5	58.83	58.86	59.86	58.34	58.23	59.41	25.9	25.3	29.5	30	25.8	25.6	33.5	24.1	84	81	67	68	85	84	3.8
6	58.73	59.01	60.44	59.09	58.72	59.31	25.4	25.3	29	30.4	26.9	25.9	32.5	24.7	84	82	63	63	74	77	------
7	58.72	58.82	59.66	57.76	58.55	58.95	25.5	24.9	28.1	32.1	26.4	26.1	33	24.3	80	87	73	62	90	91	44.8
8	58.42	58.73	59.35	57.26	57.52	58.34	24.8	23.8	25.8	29.9	26.2	25.9	31.2	23	92	97	93	75	98	95	41.7
9	57.36	57.74	58.59	56.31	58.01	58	24.8	25	30	26.9	24.6	24.6	33	23.5	96	96	77	90	98	93	104.1
10	57.24	57.41	58.75	56.80	57.10	58.72	25	25.6	29.9	32.9	28	25	33.2	24	95	93	76	66	83	93	32.7
11	57.74	57.09	58.36	55.95	56.86	58.61	25.1	24	30.2	33.2	27.9	27.4	33.3	23.4	93	98	78	65	88	87	------
12	58.38	58.47	59.37	57.40	57.92	59.25	26.1	24	30.7	33.3	27.9	26.9	33.5	23.5	91	98	72	64	81	87	------
13	58.88	59	60.35	58.13	58.35	59.61	26.2	26.4	30.9	33.3	27.8	26.4	33.9	25.5	85	81	66	57	82	85	------
14	59.49	58.44	59.14	57.39	57.23	58.72	26	25.9	30.4	33.7	28.4	26.7	34.2	25	85	85	74	61	81	86	------
15	57.69	57.70	58.89	56.73	57.48	59.01	24.7	23.4	30.6	34	28.6	27.1	35	22.6	88	97	70	59	78	84	1.5
16	58.82	58.57	59.23	57.13	57.76	59.12	24.3	24.5	31	33	24.6	23.8	34.4	22.6	96	95	67	61	90	97	18.8
17	59.02	59.04	59.60	57.39	57.81	59.20	22.9	22.6	30.2	33	28.2	27.4	33.7	21.9	98	98	75	63	80	84	------
18	59.13	58.54	59.50	57.75	58.42	59.21	24.2	23	29.9	30	26.2	25.9	34.1	22.5	94	99	69	71	91	92	------
19	58.64	58.93	59.90	58.73	59.73	60.74	25	23.4	31.3	30	28.3	27	31.9	22.9	93	97	66	71	78	83	------
20	60.37	60.20	61.04	59.50	59.83	61.19	26	24	31.2	33.2	28.4	27.7	34.6	23.5	89	96	66	63	80	83	------
21	61.16	60.17	61.33	59.53	60.10	60.26	27	26.4	30.2	28.6	26.7	26.5	33.4	24.6	84	88	68	73	83	81	12.5
22	59.36	59.26	59.52	56.96	56.02	55.24	26.7	26.8	26.2	27.8	24.1	25	28.5	20?	88	88	91	77	99	93	52.8
23	55.16	55.33	57.42	56	57.09	58.32	24.2	24.6	26.9	30.8	27.3	24.1	31.8	21.7?	99	94	81	63	78	94	------
24	58.03	58.06	59.20	56.93	57.98	59.42	24	25	30.3	31.9	27.5	25	33.7	23.5	98	95	69	63	85	95	------
25	59	59.02	60.29	58.18	59.23	60.70	24	23.5	30.6	32.9	28.8	25.9	33.6	22.8	94	96	65	59	79	92	------
26	60.01	59.97	60.67	57.75	58.59	59.86	24.5	24.4	29	32.9	28	26.4	33.8	23.7	93	95	74	53	77	86	------
27	58.99	58.96	59.58	56.60	57.79	58.82	25.2	25.4	31	32.6	27.5	25.9	33.5	24.2	93	93	62	58	81	88	------
28	58.31	57.62	58.24	56.34	57.15	58.72	24.7	24.9	27.1	30	27	25.8	31.1	24.1	94	92	87	71	83	89	1
29	57.91	57.93	58.73	57.13	57.56	58.71	24.5	25.3	32.1	29.1	25.9	25.3	35.5	23	97	90	64	76	93	88	.3
30	58.33	58.57	59.09	57.63	58.77	59.45	24.3	24.4	31.6	28.9	25	25	33.7	21.9	95	92	64	79	95	87	5.9
Mean	58.61	58.55	59.51	57.56	58.13	59.20	25	24.7	29.6	31.2	27	25.8	33.1	23.3	90.9	91.8	72.6	66.4	84.6	88.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	387

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NNE	NNE	NE	NNE	NE	N	91.4	120.4	89.9	72.1	373.8	4	A.-Cu.	NE	9	Ci.-S.	Cu.-N. NE
2	NNE	NNE	NNE	NNE	NE	NE	96.8	140.5	117.2	72.9	427.4	9	Ci.-S.		6	A.-Cu. ESE	Cu. NE
3	NNE	Calm	NE	NE	NE	NNE	43.1	37	65.2	66.8	212.1	4	A.-Cu.	E	7	Ci.	Cu.-N. E
4	NNE	NNE	NE	NE	NE	NE	62.8	84.8	102.5	87.2	337.3	4	Ci.		8	Ci.-S.	Cu.-N. NE
5	NNE	NNE	NNE	NE	NNE	NE	79.5	88.5	71.1	78.7	317.8	1	Ci.		8	Ci.-S.	Cu.-N.
6	NNE	NNE	NNE	NE	NNE	N	68.1	102.7	77.2	115.6	363.6	1	Ci.		8	Ci.-S.	Cu.-N. NE
7	NNE	NNE	NNE	NNE	NE	NE	71.8	79.7	87.5	86.9	325.9	1	Ci.		3	------	Cu. NE
8	NE	Calm	NE	NNE	NE	NE	46.7	52.3	85.1	56	240.1	10	Ci.-S.		8	Ci.-S.	Cu.-N. ENE
9	Calm	Calm	NE	ENE	NNE	N	2.7	45.1	61.7	38.9	148.4	6	Ci.-S.		10	Ci.-S.	Fr.-N. ENE
10	NNE	Calm	ENE	ENE	NE	Calm	19.6	65.7	81	20.7	187	4	Ci.		2	Ci.	Cu.
11	Calm	Calm	ENE	ENE	NE	NE	9.9	35.1	65.8	56.5	167.3	1	A.-Cu.		3	Ci.	Cu.
12	Calm	Calm	NE	ENE	ENE	NE	6.7	48	72.9	60.4	188	1	Ci.		1	------	Cu.
13	NE	NE	NE	ENE	NE	N	59.8	56.6	54.7	48.3	219.4	2	Ci.		1	Ci.	Cu.
14	NNE	Calm	NE	ENE	NE	Calm	35.7	49.9	54.4	17.7	157.7	1	------		1	Ci.	Cu.
15	Calm	Calm	NE	NE	NE	NE	5.1	28.7	51.5	27.7	113	1	Ci.		3	Ci.	Cu. E
16	Calm	Calm	ENE	ENE	Calm	Calm	7.2	41.6	46.4	2.9	98.1	3	------		4	A.-Cu.	Cu. ENE
17	Calm	Calm	NE	ENE	NE	NE	8	30.3	59.3	31.6	129.2	5	Ci.		4	Ci.	Cu.
18	Calm	Calm	NE	NE	Calm	Calm	2.7	23.6	29	15.5	70.8	4	Ci.		9	Ci.-S.	Cu.
19	Calm	Calm	E	Calm	NE	Calm	8.5	31.1	30.9	22.3	92.8	6	Ci.-S.		8	Ci.-S.	Cu. WSW
20	Calm	Calm	NE	NE	NE	N	12.6	48.1	75.6	60	196.3	6	Ci.-S.		6	Ci.-S.	Cu.
21	NNE	NNE	NE	NNE	Calm	N	49.3	72.6	46.4	53.9	222.2	9	Ci.-S.		9	Ci.-S.	Fr.-N. NE
22	NNE	NNE	NE	NNE	NNE	NE	61.8	58.9	51	164.7	336.4	9	Ci.-S.		10	Ci.-S.	Fr.-N. NE
23	NE	Calm	S	S	Calm	Calm	77.5	49.1	48.3	15.9	190.8	10	Ci.-S.		4	------	Cu. SSW
24	Calm	Calm	SSW	SSW	Calm	Calm	13.7	48.5	36	9.7	107.9	3	Ci.		3	------	Cu. SW
25	Calm	Calm	SW	SSW	Calm	Calm	7.4	61.8	37.2	15.5	121.9	1	------		3	------	Cu. SW
26	Calm	Calm	SW	SSW	Calm	SSW	8.9	50.5	53.1	24.1	136.6	2	Ci.		2	Ci.	Cu.
27	Calm	Calm	SW	SSW	Calm	SSW	21.5	61.4	57.4	11	151.3	3	A.-Cu.	SSW	4	Ci.	Cu.
28	SW	SSW	SW	SW	Calm	SW	23.6	52.5	65	13.7	154.8	5	Ci.-S.		9	Ci.-S.	Cu.-N. W
29	Calm	SW	NE	N	Calm	Calm	32.2	32.5	28.4	1.3	94.4	1	Ci.		9	Ci.-S.	Cu.-N. W
30	Calm	Calm	Calm	NNE	Calm	Calm	10.2	18.5	21.7	1.9	52.3	1	Ci.		9	Ci.-S.	Cu. W
Mean	------	------	------	------	------	------	34.8	57.2	60.8	45	197.8	3.9	------	------	5.7	------	------
Total	------	------	------	------	------	------	------	------	------	------	5,934.6	----	------	------	----	------	------

LEGASPI.

[$\phi = 13°\ 09'$ N; $\lambda = 123°\ 45'$ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

MAY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.89	58.90	60.04	58	58.20	59.42	23.1	23.2	31.3	31.6	28.4	27.2	34.7	21.2	96	96	73	68	75	84	5.6
2	58.21	58.42	58.86	56.88	57.76	58.59	24.7	24.5	29.6	27.8	26.7	25.6	32.4	23.1	95	96	79	82	81	87	7.1
3	58.02	58.26	59.11	57.74	58.52	60.03	24.9	25.6	26.8	28.4	25.8	24.9	31.7	23.2	91	88	86	82	84	88	3.3
4	59.10	59.38	60.06	58.70	59.66	61.09	23.3	23.2	30	32	26.7	26.5	33.5	21.4	97	97	77	67	87	91	9.7
5	60.45	60.91	61.49	59.07	59.66	61.14	25	24.9	25.5	32.1	26.4	24.5	32.8	23.2	93	92	95	63	92	97	6.4
6	60.73	60.50	60.79	58.37	58.75	60.22	24.2	25.1	28.7	32.7	26	24.4	34.2	22.5	98	93	77	61	85	95	9.4
7	59.80	59.95	60.16	58.20	59.10	60.73	24	23.9	29.8	28.9	26.4	23.9	31.9	22.9	95	95	69	74	87	95	------
8	59.09	58.88	59.68	57.20	58.29	59.92	22.2	21.9	30.8	32	28	24.3	34.1	21	97	96	69	66	83	96	------
9	59.20	59.30	60.33	57.90	58.44	60	23.3	22.9	31.5	32.3?	28.5	24.9	34.1	22	98	97	68	67?	81	97	------
10	59.36	59.09	60.22	58.43	58.60	60.06	24	23.3	31.3	31.9	27.9	24.9	34.4	22.4	93	97	66	65	82	92	------
11	58.66	58.57	59.88	57.43	58.18	59.49	23.9	24	31.7	34.6	28.8	27.5	35	22.9	96	96	69	60	80	84	------
12	58.91	58.78	58.92	57.12	57.98	59.08	26.7	26.5	32.2	34.3	28.9	27	34.6	25.5	86	83	68	60	78	83	------
13	58.55	58.95	59.90	57.78	57.50	59.02	26.9	27.1	31.6	31.9	29.2	26.8	34.1	24.3	83	84	67	67	73	86	------
14	58.11	57.98	58.84	57.40	58.73	59.30	26.2	26.8	32.5	28.1	24.5	24.1	34.5	23.1	85	83	60	77	92	98	49
15	58.44	58.57	59.09	57.39	56.78	59.49	24.7	24.5	30.1	33.4	28.1	26.9	33.7	23.5	92	92	71	62	84	85	11.9
16	58.91	58.86	59.96	58.21	57.49	59.11	26.5	24	24.8	31.9	28.3	24	33	23.1	86	95	94	62	78	95	10
17	58.57	58.49	58.91	57.04	57.38	58.71	23.7	23.5	30.3	33.5	29.3	24.6	34.8	22.2	96	97	70	62	69	91	------
18	57.88	57.71	58.48	56.50	56.86	58.54	23	22.4	31.1	32.4	29.3	25.5	34.3	21.4	96	96	63	62	72	91	------
19	57.75	58.31	58.58	56.67	57.49	58.55	23.3	21.6	31.2	34.3	28.8	27.2	34.6	21	95	97	66	50	75	82	------
20	57.55	57.68	58.50	56.82	57.05	58.93	25.2	25.5	31.6	33.3	27.1	25.6	34.5	23.8	93	92	69	62	89	94	------
21	58.43	58.30	58.36	56.68	57.26	58.70	23.3	22.9	32	34	29.4	27.4	35.1	22.1	97	97	66	58	75	84	2
22	57.82	57.84	58.05	56.54	56.95	58.72	26.5	24.9	31.9	33.9	29.3	25.9	34.7	24	86	95	67	58	75	92	------
23	57.98	58.04	58.40	56.27	56.61	58.49	24.4	23.3	31.7	33.5	29	28.1	34.6	22.5	97	97	68	58	76	77	------
24	57.02	57.03	57.85	56.03	56.18	58.30	25.1	23.9	32.4	34.5	29.6	26.4	35.2	22.9	92	96	66	56	77	92	------
25	57.48	57.91	58.89	57.03	57.74	58.67	25.1	24.7	32	33.6	29.4	25.7	35	23.1	97	94	69	58	75	93	------
26	58.63	57.97	58.99	57.26	57.93	59.45	24.5	23.9	31.8	34.9	28.9	28.3	35.6	23.1	91	95	61	55	81	80	------
27	59.01	58.97	58.97	57.29	57.51	59.19	24.6	24	32.1	35	29.5	25.9	35.7	23.2	91	94	66	54	76	92	1.3
28	58.54	58.42	58.54	56.72	56.76	58.51	27.4	27.3	32.8	34.4	29.6	25.2	35.6	23.6	82	82	61	55	69	91	------
29	57.59	57.48	57.73	55.86	56.65	57.75	23.8	23.6	32.6	34.5	29.9	26.4	35.7	22.5	95	95	62	56	72	92	------
30	57.65	57.22	58.13	56.17	57.25	58.92	24.1	23.9	32.2	35.3	29.8	25.8	35.9	22.5	97	95	64	53	71	88	.8
31	57.84	58.13	58.44	57.33	57.40	59.14	26.6	25.8	30.8	33.5	27.4	26.7	35.2	24.4	85	89	68	58	84	85	------
Mean	58.52	58.54	59.17	57.29	57.76	59.27	24.7	24.3	30.8	32.7	28.2	25.9	34.4	22.8	92.6	93.3	70.1	62.5	79.3	89.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	116.5

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
											Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.		Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	NE	Calm	NNE	NNE	3.8	48.9	42.4	39.2	4	Ci. N	Cu. NE	9	Ci.-S.	cu.-N. NW
2	Calm	Calm	Calm	NE	NNE	NE	5.8	22.3	57.9	83.4	10	Ci.-S.	N. W	9	Ci.-S.	Cu.-N. N
3	NE	NE	ENE	NNE	NNE	Calm	44.8	54.7	53.6	17.7	10	Ci.-S.	N.	8	Ci.-S.	N.
4	Calm	Calm	NNE	NE	Calm	Calm	2.1	25.9	49.4	15	92.4	2	----------	Cu.	8	Ci.-S.	N.
5	Calm	ENE	NE	ENE	Calm	Calm	19.6	30.8	38	4.2	92.6	9	Ci.-S.	N. ENE	5	Ci.	Cu.
6	Calm	Calm	NE	ENE	Calm	Calm	16.1	38.8	46.9	2.4	104.2	9	Ci.-S.	N. NE	5	A.-Cu. SE	Cu.
7	Calm	SSW	SSW	Calm	Calm	Calm	7.7	41.8	24.9	5.1	79.5	7	----------	N. SW	8	Ci.-S.	Cu.
8	Calm	Calm	SSE	NE	NE	Calm	6.2	21.9	38.6	8.2	74.9	1	Ci.	Cu.	7	Ci.-S.	Cu.
9	Calm	Calm	NE	Calm	Calm	Calm	2.6	26	11.5	.6	40.7	1	Ci.	Cu.	7	Ci.-S.	Cu.
10	Calm	Calm	Calm	ENE	Calm	Calm	.6	22.8	43.8	3.2	70.4	3	Ci.	Cu.	8	Ci.-S.	Cu.-N.
11	Calm	Calm	NE	ENE	NE	N	1	43.5	66	40.4	150.9	2	----------	Cu.	3	Ci.	Cu.
12	NNE	Calm	NE	ENE	NE	Calm	25.7	51	62.3	28.5	167.5	3	----------	Cu. ENE	4	Ci.	Cu.
13	NE	NNE	NE	NE	NE	Calm	40.4	61.5	70.5	23	195.4	5	Ci.-S.	Cu. ENE	3	Ci.	Cu.
14	Calm	NNE	NE	NNE	Calm	NE	29.6	62.8	30.1	10.3	132.8	3	Ci.	Cu. ENE	10	Ci.-S.	Cu.
15	Calm	Calm	NE	ENE	NE	NNE	13.4	38.6	50.4	28.5	130.9	9	Ci.-S.	Cu.	1	Ci.	Cu.
16	NE	Calm	Calm	ENE	Calm	Calm	28	29.8	51.7	9.9	119.4	5	Ci.-S.	Cu. E	2	A.-Cu.	Cu.
17	Calm	Calm	NE	NE	Calm	Calm	2.4	42.4	54.9	11	110.7	1	----------	Cu.	1	----------	Cu.
18	Calm	Calm	NNE	ENE	NE	Calm	1.1	44.6	57.1	16.3	119.1	1	----------	Cu. E	5	Ci.-S.	Cu.
19	Calm	Calm	NE	NE	NE	Calm	3.8	50.9	64.1	43.5	162.3	0	----------	----------	1	Ci.	Cu.
20	Calm	NNE	NE	NE	Calm	Calm	16.7	45.3	27.9	4	93.9	1	----------	Cu.	7	Ci.-S.	Cu.-N. E
21	Calm	Calm	NE	NE	NE	Calm	5.9	39.7	60.7	20.7	127	1	Ci.	Cu.	2	----------	Cu.-N.
22	Calm	Calm	NE	NE	NE	Calm	15.3	64.7	91.7	13.9	185.6	1	Ci.	Cu.	1	----------	Cu.
23	Calm	Calm	NE	NE	NE	NE	2.1	48.9	61.4	31.4	143.8	1	Ci.	Cu.	3	Ci.	Cu.
24	Calm	Calm	NE	NE	NE	Calm	1.3	47.8	63.3	20.7	133.1	1	Ci.	Cu.	2	Ci.	Cu.
25	Calm	Calm	NE	ENE	Calm	Calm	3.4	40.7	59.7	6.9	110.7	2	Ci.	Cu.	2	Ci.	Cu.
26	Calm	Calm	ENE	ENE	Calm	Calm	7.8	43.3	44	8.3	103.4	3	Ci.	Cu.	2	Ci.	Cu.
27	Calm	Calm	NE	NE	Calm	Calm	9.2	42.6	----	5.8	------	2	Ci.	Cu.	3	Ci.	Cu.
28	Calm	Calm	NE	NE	NE	Calm	46.2	44.6	59.5	9.9	160.2	7	Ci.-S.	Cu.	1	Ci.	Cu.
29	Calm	Calm	E	ENE	NE	Calm	10.5	32.8	39.6	12.3	95.2	1	Ci.	Cu.	7	Ci.-S.	Cu.-N. W
30	Calm	Calm	NE	NE	NE	Calm	3.5	32	53.9	18.7	108.1	1	Ci.	Cu.	1	----------	Cu.
31	NE	Calm	NE	NE	NNE	N	40	45.4	73.5	59.2	218.1	4	Ci.-S.	Cu. E	3	Ci.	Cu.
Mean	------	------	------	------	------	------	13.4	41.5	51.6	19.4	126.6	3.5	----------	----------	4.5	----------	----------

LEGASPI.

[$\phi = 13° 09'$ N; $\lambda = 123° 45'$ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

JUNE, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.86	58.72	59.57	57.46	58.29	59.80	26.5	27	32.5	32.5	27.9	25.7	34.7	24.1	85	80	61	60	81	86	------
2	59.61	59.71	60.49	59	58.69	59.62	24.5	23.6	31.9	30	28	26	34.1	22.7	87	95	65	75	81	88	2.3
3	59.14	59.43	60.42	58.53	58.95	60.73	23.8	25.5	31.6	34.1	28.8	27.2	35.4	22.7	97	88	67	60	79	83	2
4	59.70	59.75	60.12	58.32	58.85	60.13	24.5	23.6	32	33.5	29.4	27.8	35	23	94	96	64	60	72	79	------
5	59.59	59.54	59.90	57.73	58.28	59.84	26.3	24.5	30.2	33.4	28.9	27.6	34.7	23.8	88	95	72	64	78	80	4.8
6	59.12	59.07	59.10	57.43	58.01	58.81	24.6	24	30.5	34	28	27	34.6	23.2	93	97	72	58	80	84	3.3
7	58.43	58.36	58.97	57.17	57.89	58.91	24.6	26	31.6	33.8	26.9	26.8	34.4	23.5	91	90	69	56	83	89	1.5
8	58.05	58.08	58.63	57.14	57.60	58.81	26.2	24.8	32.4	31.5	28.5	26.7	33.8	22.9	83	86	66	71	81	89	------
9	58.35	58.87	59.52	58.22	58.48	60.10	24.6	24.3	31.3	33.7	29.5	25.6	35.1	23	95	95	70	61	75	94	11.9
10	59.87	59.57	60.54	58.62	58.81	60.24	25.7	27.4	31.9	33	28.4	26.9	34.4	24.1	92	84	69	67	79	86	13.5
11	59.12	59.08	59.79	58	58.19	59.24	25	26	28.8	30.2	28.6	27.5	32.5	23.7	92	89	81	71	78	84	4.4
12	58.66	58.52	59.08	57.39	57.76	58.69	25.3	25.9	31.3	32.5	29.3	27.9	34	24	92	88	70	66	76	84	1
13	58.33	58.24	58.84	57.22	58.11	60.22	24.9	24.5	30.5	31.2	26.3	25.3	33.5	23.4	94	96	73	65	88	93	4.5
14	59.58	59.46	59.77	58.44	58.38	59.76	24.5	24.4	30.3	29.8	27.9	26	32.6	23.1	93	93	69	73	79	87	------
15	59.49	59.46	59.22	57.41	57.79	58.80	25.6	26.6	30.5	32.4	28.5	26.9	32.7	24.4	88	87	68	59	80	85	------
16	57.86	57.31	57.45	56.26	56.02	56.75	26.4	26.7	30.3	28	27	26.3	30.7	23.5	86	83	70	84	83	87	13.7
17	55.74	55.54	55.86	54.44	55.23	56.44	25.9	26	30	31	27.9	26.7	32	25	88	88	73	65	80	86	------
18	55.62	55.56	55.98	54.94	55.91	57.74	24.6	25.3	29.5	29.5	26.8	24.8	30.6	23.5	94	93	69	70	86	93	11
19	57.22	57.04	57.85	57.13	57.21	57.87	25	25.3	28.9	29.3	25.7	25	30	23.6	88	85	76	69	90	92	------
20	58.13	58.13	58.83	56.67	57.53	59.17	24.5	24.3	29.8	31.8	28	25.4	32.1	23.4	92	93	75	62	80	88	------
21	59.22	59.42	59.80	58.27	59.09	60.25	24.7	24.6	31.8	32	30	25.9	36.2	23.5	92	92	60	66	77	95	------
22	60.42	60.68	61.22	59.52	60.13	61.66	24.5	24	31.3	34.9	29.5	25	35.5	22.9	95	97	72	57	76	92	------
23	60.90	60.95	60.79	58.76	59.47	60.68	24	23.4	31.7	35.3	30.2	25.9	36.2	22.5	93	94	62	55	75	93	------
24	59.45	59.13	59.58	57.51	57.61	58.72	24.5	24.3	32.5	31.8	27.6	25.5	35.7	23	94	93	66	65	80	92	------
25	58.11	57.41	57.70	55.88	56.30	57.92	24.6	25.5	31.7	33	28.4	25.4	33.4	23.4	95	93	64	60	80	88	------
26	57.79	58.09	57.07	55.91	56.76	57.94	25.2	25	31.1	32.3	28	26	33.6	23.8	89	89	67	61	80	89	------
27	57.20	56.84	57.51	56.40	57.09	58.32	25.7	25.9	27.8	30.1	27.8	26.2	32.2	24.5	89	88	84	71	79	86	1.1
28	58.04	58.02	58.10	56.48	57.10	57.96	25.5	25	30.7	29.4	25.6	25.5	31.4	24.4	92	92	67	74	80	88	5.1
29	57.56	57.45	57.46	56.15	55.61	55.81	24.5	24.4	31.8	27.7	25.6	25.4	35.6	23.1	93	93	66	74	87	88	3.6
30	54.82	54.72	54.39	53.17	52.86	52.49	25.2	25	25.9	25.4	25.1	24.2	26.4	23	90	92	84	92	88	94	70.8
Mean	58.47	58.40	58.78	57.19	57.60	58.78	25	25.1	30.7	31.6	27.9	26.1	33.4	23.5	91.1	90.8	69.7	66.4	80.4	88.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	154.5

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1	N	NE	ESE	Calm	Calm	Calm	41	57.7	-----	-----	-------	7	Ci.-S.	Cu. E	7	Ci.-S.	Cu.
2	Calm	Calm	ENE	ENE	NE	Calm	-----	-----	42.1	15.1	-------	6	Ci.-S.	Cu. E	10	Ci.-S.	Cu. E
3	Calm	Calm	NE	ENE	NE	NE	1.1	42.3	58.2	19	120.6	3	----------	Cu. E	3	Ci.	Cu.
4	Calm	Calm	NE	NE	NE	Calm	8.7	50.2	-----	-----	-------	5	Ci.	Cu.	3	Ci.	Cu.
5	Calm	Calm	NE	NE	NE	NE	-----	48.1	74	50.2	-------	4	Ci.	Cu. ENE	3	Ci.	Cu.
6	Calm	Calm	NE	NE	NE	N	15.9	53.9	66	54.9	190.7	4	A.-Cu.	Cu. E	2	Ci.	Cu. ENE
7	NNE	Calm	NE	NNE	Calm	Calm	26.9	59.7	57.6	13.9	158.1	3	Ci.-S.	Cu. E	3	Ci.	Cu.
8	N	Calm	NE	NE	NNE	Calm	8.7	64.4	55.2	21.1	149.4	0	----------	Cu.	2	----------	Cu.
9	Calm	Calm	NE	NE	NE	Calm	8.5	59.8	69.2	21.7	159.2	1	Ci.	Cu.	1	----------	Cu.
10	Calm	NNE	NE	ENE	NNE	E	33	54.9	60.4	36.4	184.7	1	Ci.	Cu. ENE	3	Ci.-S.	Cu.-N.
11	Calm	NE	NE	NE	Calm	NE	16.6	44.3	42.6	36.5	140	8	Ci.-S.	N. E	8	Ci.-S.	Cu.
12	Calm	NE	NE	NE	NE	Calm	14.2	42.4	41.3	14	111.9	5	----------	Cu.-N. ENE	4	Ci.-S.	Cu.
13	Calm	Calm	Calm	SSW	Calm	Calm	10.3	28.2	56	33.8	128.3	1	Ci.	Cu.	3	Ci.	Cu. W
14	Calm	Calm	SW	WSW	SW	Calm	16.9	84.2	72.6	40.5	214.2	1	Ci.	Cu.	8	Ci.-S.	Cu.-N. W
15	SW	WSW	WSW	WSW	WSW	W	57.1	97.6	84.8	60.7	300.2	3	----------	Cu.-N. W	4	Ci.	Cu. W
16	WSW	WSW	SW	WSW	WSW	WSW	66	82.7	72.7	67.4	288.8	5	Ci.	Cu. W	10	Ci.-S.	Cu.-N. W
17	WSW	WSW	SW	WSW	SW	WSW	62.8	100.6	82.7	63.3	309.4	4	Ci.-S.	Cu. W	8	Ci.-S.	Fr.-Cu.WSW
18	SW	WSW	SW	SW	SW	SW	66.3	100.3	67.4	54.4	288.4	10	Ci.-S.	Fr.-N. WSW	10	Ci.-S.	Fr.-Cu.
19	SW	SW	SW	S	SW	WSW	35.1	68.1	53.1	32.4	188.7	10	Ci.-S.	Fr.-Cu. SW	10	Ci.-S.	Cu.
20	S	Calm	SSW	SW	Calm	Calm	17.5	60.4	43.5	19.6	141	8	Ci.-S.	Cu.	8	Ci.-S.	Cu. S
21	Calm	Calm	SSW	ENE	Calm	Calm	19.8	39.2	30.3	1.3	90.6	3	A.-Cu. S	Cu.	9	Ci.-S.	Cu.
22	Calm	Calm	E	ENE	Calm	Calm	3	34.9	29.5	2.7	70.1	1	Ci.	Cu.	1	----------	Cu.
23	Calm	Calm	SSE	E	Calm	Calm	5.9	26.6	42.3	3.7	78.5	0	----------	----------	2	Ci.	Cu.
24	Calm	Calm	ENE	S	S	Calm	5.9	33.8	27.4	8	75.1	3	Ci.	Cu.	8	Ci.-S.	Cu. S
25	Calm	Calm	SW	WSW	Calm	W	5.8	61.5	62.6	22.5	152.4	3	Ci.	Cu. W	4	Ci.	Cu. WSW
26	Calm	W	SW	WSW	SW	WSW	37	77.9	79.4	46.7	241	5	Ci.	Cu. SW	4	Ci.	Cu. SW
27	SW	SW	WSW	SW	SW	SW	55.8	95.5	55	41.8	248.1	7	A.-Cu.	Cu.	4	Ci.-S.	Cu. WSW
28	W	WSW	WSW	SW	SW	Calm	38.4	60.2	55.5	21.5	175.6	3	Ci.	Cu.	8	Ci.-S.	Cu.-N. W
29	Calm	Calm	WNW	NW	Calm	Calm	7.4	28.7	51	20.9	108	5	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N. N
30	Calm	Calm	WSW	W	WSW	WSW	8.3	68.9	95.6	113.3	286.1	10	Ci.-S.	N. NW	10	Ci.-S.	N.
Mean	------	------	------	------	------	------	24.8	59.6	58.1	33.5	176.9	4.3	----------	----------	5.7	----------	----------

LEGASPI.

[$\phi = 13°\ 09'$ N; $\lambda = 123°\ 45'$ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

JULY, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs, beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	52.39	51.43	52.27	52.61	53.91	56.53	23.8	23.9	24.2	24.4	24.8	24.8	24.8	22.2	95	95	90	89	89	92	52.6
2	56.32	56.75	58.21	57.58	57.91	59.55	24.9	24.9	29.4	30.6	27.2	25.1	31.1	23.9	88	89	68	67	78	92	3.8
3	59.31	59.35	59.79	57.99	58.56	60.07	24.5	24.4	30.4	33	28.9	26	33.8	23	96	96	67	63	78	92	------
4	59.42	59.39	59.15	57.84	58.29	59.40	25	24.9	32	32.9	28.8	26	34.1	23.9	97	94	66	65	76	90	------
5	58.96	58.88	59.44	58.08	57.89	59.32	24.4	23.9	29.8	30.5	27.6	25.3	32.1	23.6	94	96	75	72	79	93	2.6
6	58.43	58.39	59	57.34	57.53	59.08	23.9	23.4	30.7	33.1	29	27.7	34.1	22.5	95	96	72	66	75	83	.3
7	58.46	58.66	58.84	56.97	57.93	59.48	26.1	24.4	31.3	34.8	27.9	27	35.7	23.2	88	94	70	58	85	84	.3
8	58.30	58.34	58.75	56.97	57.85	59.12	23.7	23.5	31.3	33	26	24.8	35.5	22.8	96	96	67	61	92	96	1
9	58.87	58.12	58.60	56.89	57.35	58.97	24.2	24.4	30.5	31	28.8	26.3	33	23	94	93	68	65	72	87	26.9
10	58.56	58.68	58.79	57.22	57.58	58.96	25.8	23.9	28.6	32	27.9	26.7	33	22	90	96	83	66	78	86	17.3
11	58.23	57.88	59.14	56.63	57.39	58.93	24.5	25.1	28.9	31	27.1	26	31.9	23	97	93	81	65	84	88	------
12	58.28	58.21	57.79	56.70	56.34	57.62	24.9	25.4	27.5	27.1	25.6	24.4	29.8	23.2	92	88	81	77	85	96	51.8
13	56	54.49	53.14	52	51.67	52.37	24	24.1	25.1	23.7	24.4	24.9	25.2	22.6	94	95	90	94	96	87	129.8
14	51.11	52.18	52.10	50.60	51.61	53.85	24.1	24	27.2	27	27.9	27.5	27.9	22.7	93	93	80	78	82	66	3.1
15	53.74	54.42	54.46	53.31	53.90	56	24.7	24.9	27.4	30	28.5	26.3	30.2	23.6	88	87	78	65	70	77	3.1
16	55.33	55.39	55.35	53.71	54.84	56.56	25.9	26.3	29.5	30.5	26.8	27.2	30.6	24.1	79	88	71	65	88	84	1.1
17	56.09	56.02	56.39	55.90	56.12	57.18	26	26.6	29.9	30.5	27.1	26.3	31.2	24.2	89	86	74	66	83	85	1.3
18	56.99	56.18	56.28	54.90	55.16	56.83	24.7	25.4	29.5	30.5	26.4	25.4	31	23.6	94	92	68	66	86	89	------
19	56.38	56.52	56.59	55.71	55.92	57.54	25.5	24.9	29.9	29.9	25.5	25.3	31.5	24	89	92	66	69	91	88	.5
20	56.58	56.39	57.25	55.94	56.52	57.65	24.9	24.2	29.8	30.9	26.6	25.9	31.6	23.3	85	90	65	63	78	90	1.5
21	56.44	56.18	55.98	55.13	54.51	56.38	24.6	25.1	30	29.7	27	25.1	31	23.4	92	88	72	69	80	90	.8
22	55.41	54.57	55.21	53.31	53.72	55.28	24.8	24.9	29.5	27.9	27.7	25.5	30.6	23.9	91	93	79	82	82	90	2.4
23	54.43	53.67	54.74	53.31	53.56	55.41	25.6	25.6	27.5	27.9	26.8	25.5	28.9	24.5	93	93	81	81	86	91	3.3
24	54.42	54.27	54.64	52.91	53.81	55.12	25.1	26	28	29	27	27	29.4	24	92	88	78	67	85	83	.3
25	54.18	54.21	53.79	53.10	54.03	55.61	25.5	25.3	30.6	31.8	28.4	26.8	32.4	24.8	93	94	64	64	77	85	------
26	55.22	55	54.96	54.10	55.08	57.12	26.9	26.1	30.4	30.9	28.5	26.1	31.6	25.2	82	89	68	68	78	90	------
27	56.99	56.89	57.76	56.41	56.99	58.42	25.4	25.3	30.3	32.4	27.9	26.9	33	24.6	93	96	72	63	85	89	1.5
28	57.78	57.73	58.19	57.38	57.30	57.84	26	25.8	30	28.7	27.1	24.9	33.3	23.9	94	93	77	77	83	96	------
29	57.11	56.42	57.33	56.12	55.53	56.64	24.6	24.4	27.6	26.9	26.4	25.4	27.9	23.1	95	96	84	85	91	93	------
30	56.21	55.97	56.71	55.05	55.52	56.14	24.8	24.5	27.9	28.4	26.4	26	28.5	24	95	93	80	80	89	84	2
31	55.34	55.02	55.87	54.31	54.92	56.02	25.2	25.5	27.6	27.9	26.9	25	29	23.7	89	88	81	78	85	95	3.8
Mean	56.49	56.31	56.66	55.36	55.78	57.26	25	24.9	29.1	29.9	27.2	25.9	31.1	23.5	91.7	92.3	74.7	70.8	82.8	88.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	311.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	W	SW	SW	SW	SW	SW	171.7	210.5	132	69.7	583.9	10	Ci.-S.	Fr.-N. SW	10	Ci.-S.	Fr.-N. SW
2	SW	Calm	SSW	SSW	SW	Calm	41.5	79.1	62.3	34.6	217.5	10	Ci.-S.	Fr.-N. SSW	8	Ci.-S.	Cu.-N. SW
3	SW	Calm	SSW	ENE	ENE	Calm	21.7	51	62.2	2.2	137.1	6	Ci.-S.	Cu. SW	3	Ci.	Cu.
4	Calm	Calm	ENE	ENE	NE	Calm	2.7	42.8	49.9	6.9	102.3	8	Ci.-S.	Cu.	7	Ci. N	Cu.
5	Calm	Calm	NE	E	NNE	Calm	-----	-----	48.3	11.3	------	10	Ci.-S.	Cu.	9	Ci.-S.	Cu.
6	Calm	Calm	ESE	ENE	NE	Calm	8.3	64.6	67.6	39.1	179.6	10	Ci.-S.	N. SW	3	Ci.	Cu. E
7	Calm	Calm	NE	ENE	NE	Calm	9.9	39.4	54.7	12.6	116.6	2	Ci.-S.	Cu. E	1	----------	Cu.
8	Calm	Calm	NE	ENE	Calm	Calm	11.6	31.9	47.7	7.7	98.9	1	Ci.	Cu.	7	----------	Cu.-N. SW
9	Calm	Calm	W	W	SSW	W	17.7	86.9	90.1	49.4	244.1	1	Ci.	Cu.	3	----------	Cu. WSW
10	SSW	SW	WSW	W	WSW	W	56.5	73.4	70.8	62	262.7	10	----------	N. W	7	Ci.-S.	Cu.-N. W
11	W	WSW	WSW	W	SW	WSW	69.2	112.3	89.5	53.1	324.1	9	Ci.-S.	Cu.	6	Ci.	Cu. W
12	WSW	Calm	W	W	Calm	Calm	35.2	65.2	53.3	12.3	166	10	Ci.-S.	Cu. W	10	Ci.-S.	Cu. W
13	Calm	WNW	W	WSW	W	W	64.7	146.2	217.2	215.6	643.7	10	Ci.-S.	Fr.-N. NNW	10	Ci.-S.	Fr.-N. W
14	WSW	WSW	WSW	SW	SW	SW	238.1	206.3	225.3	176.4	846.1	10	Ci.-S.	Fr.-N. WSW	10	Ci.-S.	Fr.-N. WSW
15	SW	SW	SW	SW	SW	SW	116.7	142.6	191	117	567.3	10	Ci.-S.	Fr.-N. SW	10	Ci.-S.	Cu.-N. WSW
16	SW	SW	SW	WSW	SW	SW	97.4	212.1	140.6	107.3	557.4	10	Ci.-S.	Cu. SW	6	Ci.-S.	Cu. WSW
17	SW	WSW	SW	WSW	Calm	WSW	88.7	138.1	86.9	50.7	364.4	8	Ci.-S.	Fr.-N. WSW	6	A.-Cu.	Cu.-N. WSW
18	WSW	SW	WSW	W	W	W	66.3	150	114.9	57.4	388.6	6	Ci.-S.	Cu. WSW	7	Ci.-S.	Cu. WSW
19	W	WSW	WSW	WSW	WSW	W	61.5	114	88	61.2	324.7	10	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N. WSW
20	WSW	WSW	SW	W	WSW	Calm	51.5	91.7	85.3	23.9	252.4	3	Ci.	Cu.	7	A.-Cu.	Cu. SW
21	Calm	W	WSW	W	SW	WSW	18.8	104.3	115.3	55.7	294.1	6	A.-Cu.	Cu. WSW	7	----------	Cu.-N. WSW
22	SW	SW	S	SW	SW	SW	38.4	58.7	108.1	32.2	237.4	8	A.-Cu. SW	Cu. SW	10	Ci.-S.	Fr.-N. WSW
23	SW	SW	SW	SW	SW	SW	75.1	90.1	93.6	64.4	323.2	10	Ci.-S.	Fr.-N. WSW	10	Ci.-S.	Fr.-N. WSW
24	SW	SW	SW	SW	SW	SW	89.6	129.3	122.9	89.3	431.1	10	Ci.-S.	Fr.-N. WSW	10	Ci.-S.	Fr.-Cu.
25	SW	WSW	SSW	SW	SW	SW	81	175.7	132.5	73.5	462.7	8	Ci.-S.	N. WSW	4	Ci.-S.	Cu. SW
26	SW	SW	SW	SW	SW	SW	75.1	134.2	101.9	41.5	352.7	4	A.-Cu. SW	Fr.-N. WSW	4	Ci.	Cu. WSW
27	SW	SW	WSW	WSW	SW	WSW	48.3	90.1	56.6	27.2	222.2	1	Ci.	Cu.	4	Ci.	Cu. WSW
28	Calm	Calm	SSE	WSW	SW	Calm	8.2	31.4	49.1	28	116.7	9	Ci.-S.	N. WSW	10	Ci.-S.	Cu. ENE
29	SW	WSW	Calm	Calm	Calm	WSW	31.4	16.9	10.2	36.4	94.9	10	Ci.-S.	Cu. ENE	10	Ci.-S.	N.
30	WSW	WSW	SW	WSW	SW	WSW	60.2	75.3	79.1	69.7	284.3	9	Ci.-S.	Cu.	10	Ci.-S.	Cu. W
31	SW	SW	SW	WSW	SW	SW	74.8	111	97.9	64.6	348.3	10	Ci.-S.	Fr.-N. WSW	10	Ci.-S.	Fr.-N. WSW
Mean	------	------	------	------	------	------	61.1	102.5	95	56.5	318.2	7.7	----------	----------	7.4	----------	----------

LEGASPI.

[$\phi = 13°\ 09'$ N; $\lambda = 123°\ 45'$ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

AUGUST, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	55.79	55.42	55.14	54.73	55.32	57.13	24.9	25.6	29.8	30.5	28.1	26.3	31.7	24.1	94	89	72	65	74	90	.8
2	56.56	56.26	56.86	55.58	55.89	57.55	25.1	25.5	28	29.5	27.3	26.4	30	24.3	96	92	81	71	85	91	1
3	56.79	56.46	56.66	55.14	56.33	57.52	25.5	25.5	29.9	30.9	28.4	26.5	31.6	24.3	96	95	69	66	77	84	------
4	57.23	56.67	57.46	55.38	55.76	57.62	24.9	25.5	31.3	31.8	28.4	26.6	32.2	24	89	92	64	61	77	83	------
5	56.71	56.54	56.98	55.98	56.51	58.08	25.4	25.9	30.9	31.5	28.9	26.5	32.5	24.4	95	92	67	65	75	88	------
6	57.48	57.47	57.75	55.91	56.79	58.16	25.7	25.3	31.5	32.5	28.4	26.6	33.2	24.1	93	94	69	58	81	90	------
7	57.22	57.09	57.70	55.78	55.98	57.56	26.1	26.3	29.6	31.4	27.8	27	32.4	24.9	93	91	77	66	82	82	------
8	56.10	55.43	55.76	55.06	54.51	55.52	26	26.6	29.6	29.8	27.2	26.4	30.1	25	88	92	78	79	89	97	------
9	55.12	54.44	54.60	52.75	53.41	54.02	25.9	26	30.1	31	28.4	27.4	32	24.6	99	98	77	77	87	93	------
10	53.68	53.49	53.76	52.77	53.24	54.46	27.1	27.2	29.5	32	28	27.4	32.2	26.2	94	96	81	69	89	92	.5
11	54.26	54.29	54.94	54.34	54.85	55.95	26.1	26	28.7	27.8	27.5	26.3	30.2	25	96	98	83	90	88	94	1.1
12	55.52	55.57	56.15	54.96	55.40	56.57	26.1	26	30	29.9	27.5	25.7	31.9	24.6	95	95	78	80	91	98	1.5
13	55.72	55.59	55.50	54.55	55.12	56.16	25.2	24.9	30.2	30.5	26.9	26.4	32.2	23.9	95	97	78	78	88	94	1.3
14	55.46	55.56	56.49	55.58	56.45	57.87	26.1	25.5	28.9	30.4	27.5	26	30.7	24.1	93	94	80	76	86	94	2
15	57.81	58.25	58.59	57.24	57.96	59.45	25.7	24.7	29.2	31.4	28.9	25.9	31.5	24	93	92	76	72	82	88	------
16	59.02	58.87	59.39	57.53	58.19	59.56	25.1	24.9	30.2	31.5	27.7	26.3	32.9	23	93	95	76	74	87	90	------
17	58.41	58.47	58.54	56.56	56.99	57.43	25.5	25.4	30.6	31.5	28.4	25.9	32.5	24.4	95	95	74	70	84	94	2.8
18	56.42	56.31	57.46	56.49	57.41	56.83	25.5	25	25.4	23.5	22.3	22.5	26.1	21.1	94	97	93	97	97	93	41.3
19	56.36	56.19	57.57	55.47	56.45	57.11	23.9	24	25.2	28	26.1	25.2	28	21.6?	93	94	90	84	90	92	5.3
20	56.63	56.61	57.32	55.54	56.37	57.90	23.8	23.9	28.9	29	26.6	23.9	31.1	21.7	96	95	77	78	87	91	.5
21	57.48	57.39	57.44	55.51	56.54	57.67	24.4	24.6	29.9	30.1	25.4	24.7	31	22.7	85	92	72	69	96	92	45.8
22	57.08	56.80	56.90	55.30	56	57.37	24.1	24	29.1	29.9	24.3	24.1	30.3	22.6	96	96	76	77	97	97	18.5
23	56.38	55.68	56.42	54.76	55.07	56.17	23.5	23.4	29.8	27.9	25.5	25.4	31.5	22.5	97	97	72	82	89	91	16.5
24	54.97	54.23	54.43	53.29	52.36	53.48	24.9	25	25.5	24.9	25.8	25.9	26.6	23.9	92	95	87	83	84	85	.8
25	53.12	52.42	53.58	52.04	51.80	53.77	25.9	26.3	25.7	25.2	26.4	26.5	28.4	23.9	85	86	93	93	86	86	5.9
26	53.32	53.19	54.45	53.01	53.82	55.53	25.6	25.4	28.5	29.7	27.6	26.6	30.2	24.5	92	93	78	72	80	86	------
27	55.87	55.91	56.49	55.54	56.30	58.13	25.3	25.8	29	31.1	27.3	26	31.5	25	93	89	76	68	87	93	------
28	57.61	57.57	58.30	56.85	56.81	58.59	25.1	25	29.8	30.5	27.3	25.9	31.7	23.9	94	96	74	72	83	85	------
29	57.48	57.25	57.26	55.73	55.89	56.75	25.1	25	30.2	32	27.9	26	32.1	23.9	91	91	71	66	79	90	------
30	56.24	56.06	56.81	55.08	55.85	56.95	25.8	25.4	30.4	31.9	28	27.1	32	24.4	90	92	72	66	82	85	------
31	56.01	56.10	56.61	55.56	56.42	58.02	26.1	26.4	29.8	29.7	27.4	27	31	25.4	90	89	74	72	87	86	------
Mean	56.25	56.05	56.56	55.16	55.67	56.93	25.3	25.4	29.2	29.9	27.2	26	31	23.9	93.1	93.5	76.9	74.1	85.4	90.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	145.6

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	SW	SSW	SW	SW	WSW	64.6	114.9	125.2	78.9	383.6	9	Ci.-S.	Fr.-Cu.SSW	8	A.-Cu. SW	Cu.
2	SW	SW	SW	SSW	SW	SW	63.8	65.7	74	75.6	279.1	9	Ci.-S.	N. SW	10	Ci.-S.	Cu. WSW
3	SW	SW	SSW	SW	SW	SW	61.2	120.2	93.8	50.7	325.9	3	A.-Cu.	Cu.	3	Ci.	Cu. WSW
4	SW	SW	SW	SW	SW	SW	50.7	127.1	106.4	42.1	326.3	2	Ci.	Cu. WSW	3	Ci.	Cu. WSW
5	SW	SW	SW	SW	WSW	SW	48.8	115.3	89.1	63.3	316.5	3	Ci.	Cu. WSW	4	Ci.	Cu. W
6	SW	SW	WSW	WSW	SW	SW	56.3	108.6	95.5	85.5	345.9	5	Ci.-S.	Cu.	1	Ci.	Cu. WSW
7	SW	WSW	WSW	W	WSW	WSW	90.4	162.2	119.9	54.4	426.9	3	A.-Cu. W	Cu.	6	Ci.-S.	Cu. NW
8	WSW	W	WSW	WSW	SW	SSW	100.6	118.1	51.3	74.8	344.8	8	Ci.-S.	Cu.	10	Ci.-S.	Cu. WNW
9	SW	SW	SW	WSW	SW	SW	77.4	143.2	151.9	121.5	494	9	Ci.-S.	Cu.	8	Ci.-S. NE	Cu. W
10	SW	SW	SW	SW	SW	SW	95	136.6	130.6	79.4	441.6	9	Ci.-S.	Fr.-Cu.WSW	7	Ci.	Cu. WSW
11	SW	SW	SW	SSW	SW	SSW	81.3	134.6	106.5	67.8	390.2	6	Ci.-S.	cu.-N.WSW	10	Ci.-S.	Cu. WSW
12	SW	SSW	WSW	SW	SW	SW	71.1	126.1	103.6	74.6	375.4	2	Ci.	Cu.	9	Ci.-S.	cu.-N. WSW
13	SW	SW	SW	SW	SW	SW	67	133.9	84.3	99.5	384.7	10	Ci.-S.	Cu.	8	Ci.	cu.-N. WSW
14	SW	SW	SW	SW	SW	SW	89.5	129.7	120.1	76.4	415.7	8	A.-Cu. S	Cu. WSW	4	A.-Cu.	Cu.
15	SW	SW	SW	WSW	SW	SW	73.2	145.4	67.3	40.2	326.1	5	Ci. E	Cu. WSW	4	Ci.	Cu. WSW
16	WSW	SW	WSW	SSW	SW	SW	49.9	75.8	64.4	56	246.1	7	Ci.-S. ENE	Cu.	9	Ci.-S.	Cu. WSW
17	SW	SW	SW	WSW	Calm	WSW	60.6	97.6	77.5	66.6	302.3	3	Ci.	Cu. WSW	9	Ci.-S.	Cu. W
18	SW	WSW	WSW	WSW	WSW	WSW	98.2	67.6	55.3	95	316.1	10	Ci.-S.	Fr.-N.WNW	10	----------	N. NW
19	SW	SW	WSW	WSW	SW	SW	76.2	76.1	70.8	53.4	276.5	10	Ci.-S.	N. W	10	Ci.-S.	Fr.-Cu. wsw
20	SW	WSW	WSW	SW	SW	W	78.9	78.9	79.2	59.8	296.8	9	Ci.-S.	N. WSW	8	Ci.-S.	Cu.-N. W
21	WSW	WSW	SW	SSW	SSW	SW	60.2	82.9	73.7	50.7	267.5	8	A.-Cu. W	Cu.	8	A.-Cu.	Cu. W
22	SW	SSW	SW	SW	Calm	W	28.2	65.5	38.6	21.5	153.8	10	Ci.-S.	N. SW	9	Ci.-S.	cu.-N. WSW
23	Calm	Calm	WSW	SSW	WSW	W	24.9	83.9	74	74.6	257.4	8	Ci.-S.	Cu.	9	Ci.-S.	cu.-N. WSW
24	SW	WSW	W	WSW	WSW	SW	89	131.2	60.9	68.7	349.8	10	Ci.-S.	N. WNW	10	Ci.-S.	Fr.-N. W
25	SW	SSW	SW	SW	SW	SW	109.4	116.5	-----	118.6	------	10	Ci.-S.	Fr.-N. W	10	Ci.-S.	Fr.-N. WSW
26	SW	SSW	SSW	SW	SW	SW	102.7	128.1	128.5	85.1	444.4	10	Ci.-S.	Fr.-N.WSW	9	Ci.-S.	Fr.-cu. wsw
27	Calm	Calm	SSW	SW	SW	SW	34.1	84	88.5	55.8	262.4	7	Ci.-S.	Cu. SW	4	Ci.	Cu. SW
28	SW	SW	SW	SW	SW	SW	58.4	110.7	106.7	53.9	329.7	1	----------	Cu. WSW	4	Ci. ESE	Cu. WSW
29	SW	SW	WSW	WSW	SW	WSW	64.7	147.9	123.7	100.8	437.1	1	Ci.	Cu. WSW	2	Ci. ENE	Cu. WSW
30	SW	WSW	SW	SW	SW	SW	81.6	124.1	119.7	95.8	421.2	3	Ci.	Cu. W	4	Ci.	Cu. WSW
31	SW	SSW	SW	SSW	SW	SW	79.2	130.2	89	103	401.4	9	Ci.-S.	Fr.-N. SW	8	Ci.-S.	cu.-N. WSW
Mean	------	------	------	------	------	------	70.6	112.4	92.3	72.4	344.7	6.7	----------	----------	7	----------	----------

LEGASPI.

[$\phi = 13°\ 09'$ N; $\lambda = 123°\ 45'$ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

SEPTEMBER, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.49	57.51	58.38	57.03	57.48	59.05	25.9	25.2	30.5	31.5	28	26	32	24.4	90	94	69	66	81	89	------
2	58.88	58.77	58.58	56.57	56.78	58.42	24.7	25.6	30.9	32.3	28.4	26.2	32.6	24.1	97	92	65	66	78	90	------
3	57.79	57.66	57.70	56.32	57.35	58.93	25.2	25	31.5	31.9	27.9	26.4	33	24.3	97	98	65	64	82	86	------
4	58.12	58.17	58.59	57.02	57.88	58.67	25.3	25.3	30.3	31.5	27.8	26.3	33	24.2	91	92	74	63	84	90	------
5	58.37	58.36	58.85	56.86	57.39	58.77	25	25	31.8	30.5	28.5	26.8	33.5	23.8	95	94	66	74	80	86	------
6	57.93	57.88	58.73	57.01	57.39	59.35	25.7	25.8	31.4	31.2	27.1	25.5	32.7	24.3	93	93	70	66	90	95	------
7	58.76	58.46	59.59	57.03	57.50	58.99	25.1	24	29.8	30.9	28	27.3	32.3	22.9	96	97	76	71	83	80	8.4
8	58.33	58.27	58.66	56.70	56.99	58.26	25.7	23	30.1	32.7	28.5	27.4	33.5	22.1	84	96	69	65	81	85	1.3
9	57.77	57.69	58.46	56.82	57.39	58.77	24.6	24.7	29.4	31.9	27.5	25.8	34	23.5	95	94	80	69	87	92	9.9
10	58.30	58.08	59.14	57.58	58.08	58.90	26	26.3	30.4	32.2	28.9	26.5	33.5	24.1	89	87	70	61	77	90	------
11	58.33	58.62	59.42	57.83	58.08	59.01	24.1	24	30.4	29.8	28.9	27.4	33.6	23.2	97	96	72	78	80	88	85.1
12	59.02	58.48	59.08	56.91	57.97	58.86	25	25.8	31.3	33.9	26.5	25	34.2	23.1	98	92	68	63	86	96	.5
13	58.56	58.17	58.51	56.14	56.78	57.77	24.2	23.3	30.6	34.7	28.5	25	34.9	23.2	97	97	72	58	80	92	------
14	56.90	56.84	57.09	55.63	55.87	56.96	23	22.4	30.1	26.9	26.4	24.9	32.4	21.4	94	96	71	88	89	92	.5
15	56.33	55.93	55.61	54.08	54.92	55.61	24.5	24.4	30	31.5	25.1	25.5	31.8	23	92	91	67	64	89	91	------
16	54.87	54.61	55.06	53.71	54.50	55.57	25.2	25.8	30.4	30.6	27.9	26.9	30.6	24.4	93	89	74	72	82	88	1
17	55.31	55.90	56.49	54.98	55.46	56.82	27	26.6	29.4	29.6	27.4	25.9	30.4	24.2	83	86	72	72	81	91	3.8
18	56.32	56.26	57.40	55.84	56.68	57.94	24.8	24.9	29.6	27.2	26	25.4	30.1	23.7	95	95	72	87	91	94	4.3
19	57.01	56.72	57.81	56.06	56.60	58.52	24.9	24.5	28.7	29.3	27.4	26.5	29.7	23.4	94	96	78	75	85	91	.5
20	58.16	58.17	58.84	57.37	57.69	59.05	24.7	24.9	29.8	32.4	27	26	33	23.4	87	88	73	62	90	90	------
21	58.78	58.46	58.40	56.48	57.33	58.46	25.9	26.3	31.6	25.5	24.5	23.9	33.3	22.1	87	86	64	94	97	94	71.1
22	57.37	56.42	57.51	55.55	55.91	58.12	23.4	23	28.8	32.7	28.4	25	33.2	22	97	99	78	64	80	97	------
23	57.61	57.54	58.22	56.15	57.32	58.63	23.7	22.9	29.8	33	28	26.9	34	22	96	97	68	62	82	85	------
24	58.21	58.12	58.73	57.15	57.07	58.27	23.3	22.9	31.5	27	26.4	24.3	32.7	22.2	94	96	66	85	89	93	.8
25	57.54	57.48	57.31	55.13	55.09	55.62	23.3	23.4	30.1	32.9	28.3	26	33.1	21.1	96	96	67	53	77	89	.8
26	54.51	53.68	53.81	51.78	51.67	52.50	25.4	25.4	29	29.7	28	27.9	31.1	24	91	92	74	75	82	82	2.6
27	51.87	51.86	53.39	51.74	52.82	55.02	27.6	27	29.1	30	27.9	27	30.9	25.4	75	80	71	69	80	84	.8
28	54.88	55	56.22	54.79	55.57	57.42	26.6	26.4	28.7	28.4	27	26.3	29.1	25.1	86	88	78	76	82	81	1.8
29	57.17	57.22	58.27	56.43	57.50	58.19	25.6	24.8	27	30.7	27.3	24.9	31.4	23.9	88	93	87	67	82	92	------
30	58.09	58.10	58.89	57.09	57.98	58.72	24.1	24	28.8	30.9	27.7	25	31.6	23	94	96	81	66	83	92	------
Mean	57.29	57.15	57.76	55.99	56.57	57.84	25	24.8	30	30.8	27.5	26	32.4	23.4	92	92.9	71.9	69.8	83.7	89.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	193.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	SW	SSW	SW	SW	SW	80.7	119.4	105.2	48.1	353.4	3	Ci.	Cu.	5	Ci.	Fr.-Cu. SW
2	SW	SW	SW	WSW	SW	SW	59.8	118.5	94.3	57.6	330.2	1	Ci.	Cu. WSW	3	Ci.	Cu. WSW
3	SW	SW	WSW	WSW	SW	SW	39.4	103.8	85.3	56.6	285.1	3	Ci. E	Cu.	7	A.-Cu. ENE	Cu. WSW
4	SW	WSW	SW	SSW	SW	Calm	47.5	84	80.8	30.1	242.4	2	Ci.	Cu.	9	Ci.-S.	Cu.-N. WSW
5	SW	Calm	SSW	WSW	WSW	SW	25.5	59	64.6	28.2	177.3	6	Ci.	Cu.	4	Ci.	Cu. WSW
6	Calm	Calm	SW	WSW	Calm	Calm	22.8	46.2	38.1	1.9	109	5	Ci. E	Cu.	4	Ci.	Cu.-N. WSW
7	Calm	Calm	Calm	Calm	NE	Calm	1.8	17.2	34.3	32.4	85.7	5	Ci.-S. E	Cu.	6	Ci.-S. ESE	Cu.
8	NE	Calm	NE	E	E	NE	25.1	44.3	57.7	38.1	165.2	1	Ci.	Cu.	1	----------	Cu. ENE
9	Calm	Calm	NE	ENE	ENE	NE	18.5	52.6	55.7	42.3	169.1	8	Ci.-S.	Cu. ENE	7	Ci.-S.	Cu. E
10	Calm	NNE	NNE	NE	NE	Calm	29	81.8	82.3	24.1	217.2	2	----------	Cu. E	4	Ci.-S.	Cu. E
11	Calm	Calm	N	WNW	NE	Calm	18.3	28	46.9	35.4	128.6	4	Ci.-S.	Cu. E	4	Ci. E	Cu. W
12	NE	Calm	ENE	ENE	Calm	Calm	40.2	27.2	41.2	13.1	121.7	1	----------	Cu.	1	----------	Cu.-N.
13	Calm	Calm	N	NE	NE	NE	10.3	24.1	72.9	24.9	132.2	1	Ci.	Cu.	2	Ci. SSE	Cu. E
14	Calm	Calm	Calm	NNE	NNE	Calm	15.8	25.7	36.4	17.9	95.8	3	Ci.	Cu.	10	Ci.-S.	N. N
15	NW	W	WNW	W	SW	WSW	37.6	111.6	-----	48.6	-------	9	Ci.-S. E	Cu.	10	Ci.-S.	Cu. WNW
16	SW	WSW	SSW	SW	SW	SW	58.5	115.7	122.8	89.6	386.6	8	Ci.-S.	Fr.-Cu. WSW	8	Ci.-S. NE	Fr.-Cu. WSW
17	SW	SW	SSW	SW	SW	Calm	101.4	117	96.6	39.1	354.1	10	Ci.-S.	Fr.-Cu. WSW	8	Ci.-S.	Cu.-N. SW
18	SW	SW	SW	SSW	SW	Calm	33.8	64.4	55.8	29.3	183.3	9	Ci.-S.	Cu. SW	10	Ci.-S.	Cu.-N. SW
19	Calm	Calm	SSW	SSW	SW	Calm	15	59.2	58.4	33.3	165.9	10	Ci.-S.	Cu. WSW	10	Ci.-S.	Cu. WSW
20	SW	SW	SW	SW	Calm	SW	46.7	64.1	60.9	22	193.7	4	A.-Cu.	Cu. WSW	7	Ci.-S.	Cu. WSW
21	SW	Calm	SW	NW	SW	SW	35.6	42.1	39.2	17.2	134.1	5	A.-Cu.	Cu. W	10	----------	N.
22	Calm	Calm	Calm	NNE	NE	Calm	15	16.9	43.8	10.8	86.5	8	Ci.-S.	Cu.	7	Ci.-S.	Cu.
23	Calm	Calm	Calm	ENE	NE	NE	7	26	46.4	28.7	108.1	2	Ci.	Cu.	2	Ci.	Cu. E
24	Calm	Calm	ENE	W	Calm	Calm	17.4	33.8	31.7	17.4	100.3	1	Ci.	Cu.	9	Ci.-S.	N. N
25	Calm	Calm	NE	N	Calm	W	24.9	34.3	49.6	57.7	166.5	3	----------	Cu. NNW	4	Ci.	Cu. WNW
26	W	W	WSW	SW	SW	SW	86.6	127.9	107.2	112.5	434.2	10	Ci.-S.	Fr.-N. NW	10	Ci.-S.	Fr.-N. WSW
27	SW	SSW	SSW	SW	SW	SW	147.8	149.7	159.3	93.6	550.4	10	Ci.-S.	Fr.-N. SW	9	Ci.-S.	Cu. WSW
28	SSW	SSW	S	S	S	SW	88.2	92	86.9	57.6	324.7	10	Ci.-S.	Cu. SW	10	Ci.-S.	Fr.-N. SW
29	SW	Calm	SW	SW	Calm	Calm	43.5	86.9	75.4	23.6	229.4	10	Ci.-S.	N. WSW	7	Ci.-S.	Fr.-Cu. WSW
30	SW	SW	SSW	SSW	Calm	Calm	34.4	64.4	54.1	14.8	167.7	8	Ci.-S.	Cu.	10	Ci.-S.	Cu.
Mean	------	------	------	------	------	------	40.9	68.3	68.4	37.9	213.7	5.4	----------	----------	6.6	----------	----------

LEGASPI.

[$\phi = 13°\ 09'$ N; $\lambda = 123°\ 45'$ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

OCTOBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1	58.11	58.73	59.35	57.22	57.79	59.72	24	24.1	30.4	31.8	27.6	23.9	32.5	22.5	97	97	69	62	80	96	------
2	59.73	59.88	60.66	58.83	59.95	61.20	22.8	22.4	31.2	33.4	28.8	27	34.8	20.9	94	97	69	64	82	89	------
3	60.29	60.25	60.99	58.99	58.78	60.24	25.7	23	31.9	33.8	28.5	27.4	34.7	22.2	85	98	68	59	83	87	------
4	59.26	59.17	59.84	57.57	58.24	59.90	24.8	24.5	31.4	33.4	28.7	25.4	34.9	23.1	97	96	66	61	80	92	------
5	58.98	58.94	59.74	57.33	58.56	59.85	23.7	22.9	31.2	33.5	27.4	25	35	21.9	97	97	68	59	85	94	------
6	58.98	59.03	60.02	58.25	58.59	60.40	23.4	22.9	31.2	31.1	28.7	24.5	34.3	21.6	95	97	67	67	78	96	------
7	59.72	59.78	60.82	59.09	59.65	60.79	23.1	22.4	31.5	33.9	28.9	27.5	34.5	21.4	95	96	66	58	75	81	------
8	59.96	60.06	61.28	59.29	59.85	61.19	24.3	22.9	30.9	32.1	29	27.5	34.1	22.4	90	95	62	57	71	79	------
9	60.55	60.44	61.64	58.71	59.32	60.10	27.1	27	27.1	28.5	27.6	26.8	28.6	25.4	81	80	87	68	80	82	0.5
10	59.84	59.36	60.89	58.68	58.65	59.59	25	26.7	30.4	31.3	28.6	27.4	33	24.5	92	85	66	68	80	85	------
11	59	58.96	59.73	57.93	58.49	59.76	27.1	26	31.8	34.3	28.6	24.9	35.2	23.1	83	86	60	59	80	93	15
12	58.87	58.95	59.05	57.13	57.85	58.92	23.9	22.2	31.3	30.5	28.4	26.7	34.9	21.2	93	95	69	70	74	88	14.7
13	58.16	58.25	59.51	57.44	58.20	59.30	25.1	25.8	28.2	31.5	27.4	26.7	31.9	24.4	98	93	90	73	87	85	23.6
14	58.44	58.34	59.85	57.84	58.50	59.80	25.9	26	28.4	31.5	27.1	26.3	33	22.5	83	83	77	66	84	82	------
15	58.84	59.31	59.96	58.08	58.58	60.15	21.5	21	30.9	33.3	28.5	27	34.3	20.1	95	98	63	62	76	80	------
16	59.72	59.66	60.33	58.14	58.89	59.76	25.9	25.6	31.1	33	28.4	26.8	33.5	24.7	86	88	68	63	77	86	------
17	59.36	60.07	60.54	58.48	59.67	60.75	25.3	25	31.9	32.6	27.2	26.3	34.5	23.9	88	88	65	65	85	87	------
18	60.11	60.27	61.34	59.85	60.59	61.75	26.1	26.4	29.6	30.3	27.9	24.2	30.6	22.9	85	85	69	69	78	96	36.3
19	60.42	60	60.55	58.58	59.80	60.85	25	26.3	29.5	30.9	27.5	26.9	31.5	23.3	91	82	60	69	76	77	------
20	60.49	59.80	60.39	58.15	58.84	60.60	26.1	26	29.8	30.8	27.8	27	32	24	82	81	65	61	79	80	------
21	59.76	59.97	61.08	59.03	60.16	61.52	25.9	26	29.7	30.6	27.3	25.7	32	23.2	76	76	60	62	76	84	------
22	60.96	61.03	62.06	60.54	60.99	62.10	25.1	25	31	30.5	26.7	26	32	23.1	88	83	65	66	81	79	------
23	60.85	61.76	62.36	60.23	60.68	61.71	24.6	20.8	30.9	34	28	26	34.2	19.4	81	95	67	53	77	77	------
24	61.40	61.37	62.24	60.45	60.89	61.66	24.7	21.7	26.7	29.5	27.9	26.4	31.9	20.8	78	93	83	63	75	83	------
25	61.51	61.66	62.59	60.35	60.66	61.69	25	24.8	30.5	32.7	27.8	25.5	33.7	23.5	86	83	63	60	73	82	------
26	61.42	61.47	62	60.30	60.54	62.49	24.9	21.9	31.4	33.8	28.1	26.8	34.2	21.4	83	90	59	56	78	78	------
27	61.79	61.95	62.54	60.33	61.01	62.21	25.2	25.1	30.3	32.5	26.5	25.3	33.6	20.8	85	83	53	53	84	78	------
28	62.07	62.21	62.95	60.93	61.29	62.51	21.2	21	31.3	32.9	27.4	26.4	34	20	93	95	55	59	79	79	------
29	61.82	61.92	62.49	60.45	60.81	61.87	25.8	25.9	31.2	33.6	28.2	26.4	34.3	24.5	83	85	68	62	79	86	------
30	60.97	61.59	62.52	60.23	60.73	61.69	26.1	26.3	30.8	33.5	28	27	34.5	25	87	86	61	57	77	80	------
31	60.92	60.72	61.31	58.97	59.46	60.82	26.1	26.3	29.3	33.1	28.4	26.3	34.5	24.7	82	82	65	60	77	88	4.3
Mean	60.07	60.16	60.99	58.95	59.55	60.80	24.9	24.3	30.4	32.2	28	26.2	33.4	22.7	88	89.3	66.9	62.3	78.9	84.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	94.4

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
										Total movement in 24 hours.	Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	SW	SW	Calm	Calm	30.1	59.3	53.7	10	153.1	8	Ci.-S.	Cu. SW	8	Ci.-S. NE	Cu.
2	Calm	Calm	SSE	E	NE	NE	4.5	32.2	66.3	31.2	134.2	2	Ci. NE	Cu.	2	Ci.	Cu.
3	Calm	Calm	NE	E	ENE	NE	6.9	55.5	60.6	28	151	1	----------	Cu. ENE	3	A.-Cu. NE	Cu.
4	Calm	Calm	NE	E	E	Calm	7	42.6	50.4	14.3	114.3	2	----------	Cu.	3	Ci.-S.	Cu.
5	Calm	Calm	ENE	E	Calm	Calm	8.9	32.5	42.4	9.5	93.3	0	----------	----------	7	Ci.-S.	Cu. E
6	Calm	Calm	E	E	Calm	Calm	11.6	28.5	44.1	7.4	91.6	5	Ci. E	Cu.	8	Ci.-S.	Cu.
7	Calm	Calm	ENE	E	NE	NE	.8	41.6	75.9	57.9	176.2	3	Ci.	Cu. ENE	1	Ci.	Cu.
8	Calm	Calm	NNE	NE	NE	NNE	9.7	74.6	81.1	95.3	260.7	1	Ci.	Cu.	1	Ci.	Cu.
9	NNE	NNE	NNE	NNE	NE	NNE	67.6	72.1	87.2	47	273.9	7	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu.
10	NNE	N	NNE	NE	NNE	NNE	52.8	85.3	74	40.2	252.3	9	Ci.-S.	Cu. N	7	Ci.-S.	Cu. NE
11	NNE	NNE	NE	NE	NE	Calm	44.8	64.2	58.7	26.2	193.9	1	Ci.	Cu.	4	Ci.	Cu. NE
12	Calm	Calm	NNE	NNE	NNE	NNE	18.8	56	-----	32.2	------	3	Ci.	Cu.	8	Ci.-S.	Cu.
13	Calm	NE	NE	NNE	NNE	NNE	38.6	49.9	73	59.2	220.7	9	Ci.-S.	Cu.-N. NE	7	Ci.-S.	Cu.-N.NE
14	NNE	NNE	N	NE	NE	Calm	59.5	47.5	52	23.1	182.1	1	Ci.	Cu.	4	----------	Cu.-N.NE
15	Calm	Calm	NE	ENE	NE	NNE	12.6	29	54.4	47.3	143.3	3	Ci.	Cu.	3	Ci.	Cu.
16	Calm	Calm	NE	E	NE	NE	36.4	57.9	61.2	51.2	206.7	4	Ci.	Cu. E	5	Ci.	Cu. ENE
17	Calm	Calm	ENE	ENE	ENE	NE	26.9	44.3	72.4	67.3	210.9	2	Ci.	Cu. NE	3	Ci.	Cu. ENE
18	NE	NNE	NE	NE	NE	E	82.1	88.8	115.1	98.2	384.2	8	Ci.-S.	Fr.-Cu. E	8	Ci.-S.	Cu. ENE
19	NNE	NE	NE	NE	NNE	NE	105.4	120.7	103.8	125.2	455.1	7	Ci.-S.	Cu. ENE	7	Ci.	Cu.-N.NE
20	NE	NE	NE	NNE	NNE	NNE	80.8	121.5	123.3	137.8	463.4	1	Ci.	Cu. NE	2	Ci.	Cu.-N. E
21	NNE	NNE	NE	NNE	NNE	NNE	95.8	121.2	101.4	79.4	397.8	1	Ci.	Cu. NE	3	Ci.	Cu. NE
22	NNE	NNE	NE	NE	NE	NNE	88	80.5	86.9	62.3	317.7	3	Ci.	Cu. NE	1	Ci.	Cu. NE
23	Calm	Calm	NE	NE	NE	NE	16.1	55.2	66	76.9	214.2	1	Ci.	Cu.	2	Ci.	Cu. NE
24	Calm	Calm	NNE	NE	NE	NNE	22.5	74	60.4	59.7	216.6	1	Ci.	Cu.	9	Ci.-S.	Cu. E
25	Calm	NE	NE	ENE	NE	NE	35.9	56.5	63.4	49.1	204.9	2	Ci.	Cu. E	1	Ci.	Cu.
26	N	Calm	NE	E	NE	NE	36.8	49.7	61.7	87.2	235.4	1	Ci.	Cu.	1	Ci.	Cu.
27	NE	NE	NE	NE	Calm	Calm	52.1	81.1	62.5	22.8	218.5	1	Ci.	Cu.	1	Ci.	Cu. NE
28	Calm	Calm	NE	NE	NNE	NNE	15.9	48.5	69.5	77.4	211.3	2	Ci.	Cu. NE	2	Ci.	Cu. ENE
29	NE	NNE	NE	E	NE	NE	61	59.2	69.5	56.3	246	1	----------	Cu. NE	2	----------	Cu.
30	NNE	NNE	NE	ENE	NNE	NNE	60.2	75	73.2	90.9	299.3	1	----------	Cu.	1	Ci.	Cu.
31	NNE	NNE	NNE	NE	NNE	NNE	80.7	88.2	81.9	82.7	333.5	2	Ci.	Cu. NE	2	Ci.	Cu.
Mean	------	------	------	------	------	------	41	64.3	71.5	56.6	235.2	3	----------	----------	4.1	----------	----------

LEGASPI.

[$\phi = 13°\ 09'$ N; $\lambda = 123°\ 45'$ E; barometer above sea, 4.2 meters; gravity correction not applied, —1.77 mm.]

NOVEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.16	60.11	61.02	58.43	58.81	60.55	26.5	26.6	30	30.9	27.9	26.6	32.8	25.2	84	84	67	60	77	85	------
2	60.16	60.24	60.89	58.86	59.70	60.69	25.7	25.6	28.7	25.9	25.5	25.3	30.6	23.5	82	77	67	86	86	84	2.9
3	60.16	60.12	61.03	58.66	59.46	60.75	26.2	26.3	28.5	28.8	25	24.3	32	22.6	80	80	74	76	87	83	3.6
4	59.76	59.86	60.11	57.78	58.03	58.67	24.9	25	28	29.5	25.4	24.6	30	23.1	79	79	63	61	84	74	------
5	58.60	57.59	58	55.75	56.24	57.16	24.9	25.2	28.5	29.9	26	24	31	22.5	66	63	60	53	75	86	------
6	56.88	56.13	57.20	55.21	55.71	56.60	23.1	23.5	26.6	27.6	25.8	24.5	28.2	21.6	88	84	69	72	81	88	5.3
7	56.34	56.89	58.13	56.85	57.97	59.68	24	23.5	24.2	24.5	24.9	24	25	22.2	91	93	92	93	87	89	7.1
8	59.29	60.38	61.54	60.03	61.07	62.34	21.7	21.4	28.9	28.3	26.5	25.5	30	20.4	96	96	62	67	75	80	------
9	62.46	62.85	63.58	61.75	62.60	63.69	24.9	25	28.7	28.9	26	24.5	30.7	23.9	83	83	69	69	82	87	------
10	63.17	63.11	63.86	61.85	62.12	63.20	24.2	24.8	28.9	31.5	26	25.5	32	23.4	82	82	67	62	80	76	------
11	62.98	62.92	63.14	61.35	61.82	62.78	24.4	23.5	28.7	31	26	24.3	32.9	22.4	77	78	63	57	71	73	------
12	62.70	61.92	62.94	61	61.50	62.65	24.2	24.5	25.4	26.2	25.4	25.5	28.5	23	72	79	86	81	81	84	7.4
13	61.68	62.08	62.66	60.48	60.35	61.76	23.2	23.2	28.4	30.6	27.3	26.3	31	22	95	94	79	67	78	79	5.6
14	61.26	61.24	61.93	59.99	60.64	61.84	25.2	25.3	28.9	31.4	27	25.9	31.6	24.4	85	87	69	61	78	81	------
15	60.70	60.84	61.14	59.28	59.99	61.05	25.4	25.6	27.8	27.9	26.9	25.3	30.9	23.5	83	85	84	84	86	92	19.5
16	60.29	60.85	60.66	59.31	59.54	60.57	25.6	23.5	27.4	28.8	26.4	26.1	29.8	22	90	91	84	76	89	89	12
17	60.35	60.32	61.08	58.89	59.39	60.35	25.9	26.2	29	31.4	27	26.8	32	24.5	85	84	76	69	83	83	3.3
18	60	60.15	61.47	59.38	59.69	61.47	26.1	24.4	25.7	29.6	26.9	26.4	30.7	23.2	85	93	88	74	85	85	8.4
19	60.19	60.14	60.98	59.10	59.39	60.27	25.5	25.4	28.8	30.5	26.9	26.2	31	24.1	89	91	74	68	82	83	14
20	59.29	59.16	59.99	57.91	58.27	59.80	25.4	25.5	28.3	30.6	27.1	26	32.1	22.6	87	87	77	73	85	90	22
21	58.81	58.82	59.38	57.29	57.75	59.05	26.1	25	29.4	29	26.9	26.2	30.7	23.5	90	95	78	80	86	84	30.7
22	58.52	58.62	59.66	57.35	57.52	58.60	25.8	25.4	29.5	32.4	27.3	25.8	32.6	24.4	84	84	70	66	82	88	------
23	58.61	58.86	59.66	57.73	58.29	59.20	25.3	25.4	30.3	32.6	27.3	26.4	33.8	23.6	89	88	72	65	82	85	1.8
24	58.67	59.24	60.16	58.45	59.28	60.59	26	25	26.7	30.9	27.5	26.8	32.1	23.6	85	88	92	71	81	82	4.1
25	60.62	60.67	61.64	59.58	60	61.16	26.2	26.3	26.5	29.4	27	26.3	30.5	23.7	84	84	90	72	80	84	3
26	60.97	61.28	62.30	60.15	60.32	61.77	25.4	25.3	28.3	29.5	26.9	25.8	31.2	23.5	84	81	68	64	79	78	------
27	61.18	61.27	62.19	59.86	60.65	61.57	24.3	24.8	27.6	29.4	26.4	25.7	30.6	23.5	81	80	76	71	81	82	1
28	60.85	61.21	61.79	59.93	60.69	61.86	24.6	21.5	29	31.2	27	26.5	31.5	20	79	95	67	62	84	86	------
29	61.24	61.19	62.16	59.78	60.39	61.16	26.2	26	30.3	31.1	26.4	25.5	32.5	24.4	86	86	66	65	82	84	4.3
30	60.66	60.64	62.18	60.40	60.25	61.20	25.2	26	24.1	24	25.2	25.3	26.4	22.5	81	80	91	96	84	86	28.4
Mean	60.22	60.29	61.08	59.08	59.58	60.73	25.1	24.8	28	29.4	26.5	25.6	30.8	23.1	84.1	85	74.7	70.7	81.8	83.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	184.4

Day.	Wind.										Clouds.				
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1	NNE	NNE	NNE	NNE	NNE	NE	96.1	111.2	106.2	82.1	395.6	4	Ci.	Cu. NE	1	----------	Cu. NNE
2	NNE	NNE	NNE	N	NNE	N	75.6	101.2	71.8	52.8	301.4	6	Ci.-S.	Cu. NE	10	Ci.-S.	Fr.-N. N
3	NE	NNE	NNE	NNE	NNE	N	108.9	110.7	99.2	77.7	396.5	10	Ci.-S.	Fr.-Cu. NE	9	Ci.-S.	Cu.-N.NNE
4	NNE	NNE	NNE	NNE	NNE	NNW	95.2	130.2	100.3	68.9	394.6	6	Ci.	Cu.-N. N	8	Ci.-S.	Cu. N
5	NNE	NNE	N	N	WNW	W	73.8	96.8	79.2	47.5	297.3	7	Ci. E	Cu.	8	Ci.-S. E	Cu. N
6	W	Calm	W	W	W	W	24.6	120.1	68.9	64.9	278.5	8	Ci.-S.	Cu. NNW	10	Ci.-S.	Cu.-N. NNW
7	W	WSW	W	WSW	Calm	Calm	76.1	96.9	47.8	25.2	246	10	Ci.-S.	Fr.-N.WNW	10	Ci.-S.	Fr.-N. NW
8	Calm	Calm	NNE	NE	NE	NE	14.3	45.6	62.8	55.5	178.2	10	Ci.-S. E	Cu.	10	Ci.-S.	Cu. WNW
9	NE	NE	NE	NNE	NE	NNE	51.7	90.7	83.5	56.6	282.5	5	A.-Cu.	Cu. NNE	7	Ci.-S.	Cu. NE
10	NNE	NE	NE	NE	NNE	NNE	68.4	90.3	93.1	120.4	372.2	1	Ci.	Cu.	2	----------	Cu. NE
11	NNE	NNE	NNE	NE	NE	NNE	-----	-----	83.1	74.2	------	0	----------	----------	2	----------	Cu. NE
12	NNE	NNE	NE	NNE	NE	NE	52.3	99.8	86.1	98.4	336.6	1	----------	Cu.	3	A.-Cu. ESE	Cu.
13	NE	NNE	NE	ENE	NE	NE	72.9	91.4	122.3	141.8	428.4	10	Ci.-S.	Fr.-N. ENE	1	Ci.	Cu.
14	NE	NE	NE	NE	NE	NNE	127.9	134.4	115.6	93.6	471.5	4	----------	Cu.-N. NE	4	A.-Cu.	Cu. ENE
15	NE	NNE	NE	NE	NE	NE	102.7	117.5	110.8	116.5	447.5	4	----------	Fr.-Cu. NE	8	Ci.-S.	Fr.-N. ENE
16	NE	ENE	NE	ENE	NE	NNE	104	120.1	120.1	100.3	444.5	10	Ci.-S.	Fr.-N. E	8	Ci.-S.	Cu.-N. E
17	NE	NE	NE	NE	NE	NE	96.3	100.1	104	110	410.4	6	Ci.-S.	Cu.-N. NE	6	Ci.-S.	Cu.-N.ENE
18	NE	NE	NE	NE	NE	NNE	88.3	90.4	111.3	93.8	383.8	10	----------	N. NE	6	A.-Cu. ESE	Cu.
19	NE	NE	NE	NE	NE	NNE	83.9	110.8	79.9	74.8	349.4	6	----------	Fr.-N. NE	8	Ci.-S.	Cu.-N.ENE
20	NE	NE	NE	ENE	NE	NE	60.2	87.5	78.1	91.1	316.9	5	Ci.	Cu.-N. ENE	3	----------	Cu.-N.ENE
21	NE	ENE	NE	ENE	NE	NE	71.3	90.7	96.3	98.8	357.1	9	----------	N. E	3	Ci.	Cu.-N.ENE
22	NNE	NNE	NE	NE	NE	NE	77.2	81.8	75.8	57.3	292.1	1	Ci.	Cu.	2	----------	Cu. ENE
23	NE	NE	NE	NE	NE	NE	33.8	51	63.9	55	203.7	3	----------	Cu. ENE	1	----------	Cu.
24	NE	NE	E	NE	NE	NE	43.3	45.9	71.3	71	231.5	8	Ci.-S.	N. ENE	2	----------	Cu. ENE
25	NE	NE	NE	NE	NE	NE	58.7	61.7	84.8	93	298.2	10	Ci.-S.	Fr.-N. ENE	10	Ci.-S.	Cu.-N. NE
26	NE	NNE	NNE	NE	NE	NE	105.1	103.6	83.4	68.6	360.7	1	----------	Cu.	3	----------	Cu. ENE
27	NNE	NNE	NE	NE	NE	NE	71.3	99.8	71.9	58.4	301.4	1	Ci.	Cu.	6	----------	Cu.-N.ENE
28	Calm	Calm	NNE	NE	NNE	N	4	-----	95.3	81.8	------	2	Ci.	Cu.	3	Ci.	Cu. NE
29	N	NNE	NE	NE	NE	N	73.8	78.3	79.2	83.1	314.4	1	----------	Cu. NE	3	----------	Cu. NE
30	N	NE	NE	NE	N	N	94.8	94.8	66	80	335.6	10	Ci.-S.	Fr.-N. ENE	10	----------	N. NE
Mean	------	------	------	------	------	------	72.6	94.8	87.1	79.8	336.7	5.6	----------	----------	5.6	----------	----------

LEGASPI.

[$\phi = 13°\ 09'$ N; $\lambda = 123°\ 45'$ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

DECEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.71	60.66	61.73	59.78	60.02	61.01	24.9	25	28.5	26.8	25.8	25.5	30.7	22.6	83	83	67	86	88	88	6.3
2	59.94	59.90	60.58	58.85	59.39	60.49	25.3	25.4	27.4	29.8	26.5	25.9	30	23.9	89	89	87	73	82	88	3.6
3	60	60.09	61.08	58.90	59.30	60.36	25.5	25.8	29.1	27.6	26.3	26	29.7	24.5	86	84	69	79	87	88	------
4	59.89	59.90	60.70	58.38	58.92	59.61	25.5	25.3	30.1	31.9	27.3	26	33	24.1	87	84	71	67	82	84	------
5	59.71	59.65	60.55	58.26	59	59.84	24.8	23.3	29	30.9	27.1	25.9	32	22	91	92	68	63	80	85	------
6	58.91	58.84	58.78	56.90	57.36	57.54	25.3	25.1	27.5	30	26.4	25.8	31	24.2	88	90	79	64	81	80	------
7	57.32	56.76	56.54	55.48	55.34	56.33	25.6	25.5	28.3	25	24	24	28.3	22.5	74	72	71	91	93	91	1.9
8	56.22	57.68	58.05	56.79	57.51	58.74	23.4	23.1	28.3	30.4	26	23.3	31.1	21.9	86	92	71	61	84	91	------
9	58.53	58.45	58.40	56.64	56.78	58.45	22.9	21.3	28.9	31.6	26.1	23.1	32	20.3	92	96	70	60	92	99	------
10	58.33	57.99	58.39	56.23	56.59	57.86	23.1	22.8	29.3	32.4	26.9	24.5	33.1	21.5	96	97	72	64	89	95	------
11	57.85	57.83	58.86	56.85	57.81	58.94	23.4	22.5	30.6	29.8	27.5	26.9	32.9	21.5	93	98	72	73	84	85	------
12	58.92	59.37	60.93	59.02	59.79	60.92	26.1	25.6	29.6	32.4	27.4	26	32.7	24.5	89	87	73	63	81	84	4.5
13	60.36	60.70	61.45	59.34	60.07	61.37	25.7	25.6	29.4	31.5	26.9	26	32.4	23.1	82	82	71	64	75	78	------
14	60.92	60.82	61.46	59.19	60.29	60.84	25.1	24.4	28.8	27.8	25.9	25.5	30.7	22.6	80	80	65	68	81	84	4.8
15	60.51	60.98	61.90	59.94	60.44	61.44	25	24.9	25.3	27.9	25	25.5	29	23.1	91	91	87	81	91	88	8.4
16	60.73	60.75	62.16	60.50	61.25	62.62	25.1	25	25.8	27.1	27	26.3	29.2	23.3	90	89	96	83	82	86	4.4
17	62.06	62	62.50	60.83	61.73	63	25.9	25.5	30.4	31.5	27	26.7	32	24.1	85	87	68	65	81	79	------
18	62.49	62.72	63.82	61.87	62.50	62.99	26.1	25.9	30.1	31.4	26.5	25.5	32.4	24.2	82	85	62	63	85	86	.8
19	62.72	62.20	63.06	60.76	61.21	61.57	25.2	25	27.7	29	26	25.8	31	24	88	88	82	74	89	89	30.9
20	61.28	61.86	63.23	61.62	62.90	63.52	25	24.6	28.5	31.7	26.7	25.5	32	22	87	89	77	62	79	79	1.3
21	63.16	63.12	64.06	62.55	63.30	63.92	25.3	25.2	29.5	31	26.9	26.3	31.6	22.6	78	84	69	63	80	79	1.3
22	63.06	63.25	63.86	62.04	62.39	62.77	25.7	25.3	29.7	30.3	26.6	25.5	32.3	23.9	81	84	66	63	79	80	.3
23	62.65	62.95	63.88	62	62.45	62.86	25	24.8	28.8	30.7	27.7	25.8	31.5	23.1	83	84	67	61	72	81	.5
24	62.74	63.35	64.31	62.25	62.16	62.52	25.6	25.5	26	29.4	26.5	25.8	30.1	23.1	78	78	87	71	80	80	1.1
25	61.75	61.88	62.58	60.94	61.36	61.84	25.6	25.3	28.3	31	26.5	24.9	31.9	23	80	83	68	59	72	80	------
26	61.82	61.96	62.44	60.05	60.62	61.54	24.6	24.5	28.3	30.8	26.3	25.5	31.5	23.1	82	82	64	57	74	74	.8
27	61.35	61.32	62.25	60.53	60.91	61.72	25.1	25.3	28.8	30.4	26.4	25.6	31	23.2	76	78	68	63	73	76	------
28	61.30	61.35	62.51	60.04	60.52	61.41	25.2	24.9	26.5	27.2	26	25	30.6	23.6	78	80	74	78	83	83	.8
29	60.87	61	61.73	59.33	60.31	60.67	24.2	23.8	28	29.4	26.5	25.7	31	22.4	87	82	70	68	79	79	------
30	60	60.55	60.65	59.25	60.21	61.16	25.3	24.4	30	32	26.5	25.5	32.6	23	80	84	64	60	77	84	------
31	60.58	60.40	60.68	58.78	60.02	60.86	25.2	25	30.3	30.4	26.3	25.5	32	23.6	82	83	64	65	82	80	------
Mean	60.54	60.65	61.39	59.48	60.08	60.93	25	24.7	28.6	30	26.5	25.5	31.3	23	84.6	85.7	72.2	68.1	81.8	84	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	71.7

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	NNE	NE	NE	NE	NE	70.8	99	77.5	68.6	315.9	3	----------	Cu.-N. ENE	7	----------	Cu.-N. NE
2	N	NNE	NE	NE	NE	NNE	73.4	78.6	80.5	59.5	292	9	Ci.-S.	Fr.-N. NE	5	----------	Cu.-N.ENE
3	N	NNE	NE	NNE	NNE	NE	75.6	77.7	75.1	67.6	296	2	A.-Cu.	Cu. NE	9	Ci.-S.	Cu.-N.ENE
4	NNE	NNE	NE	ENE	NE	NE	59	63	51.5	63.9	237.4	3	Ci.	Cu. NE	3	----------	Cu. ESE
5	NE	Calm	NE	NE	NNE	N	37.2	102	90.1	70.8	300.1	1	Ci.	Cu.	6	Ci.	Cu. ENE
6	NNE	NE	NNE	NNE	NNE	NNE	71.1	93	77.9	71.4	313.4	10	Ci.-S.	Fr.-N. NE	3	Ci.	Cu. ENE
7	N	N	WNW	SW	W	W	95.3	51.8	64.9	103.8	315.8	10	Ci.-S.	Cu.	10	Ci.-S.	Fr.-N.NNW
8	SW	SSW	WSW	WSW	Calm	SW	61.2	90.1	54.4	22.5	228.2	10	Ci.-S.	Cu. W	4	Ci.	Cu. WSW
9	Calm	Calm	SW	SSW	Calm	Calm	31.2	43.1	44.5	24.3	143.1	1	Ci.	Cu.	3	Ci.	Cu.
10	SW	SW	E	E	Calm	Calm	29.2	43.7	38.8	14	125.7	1	Ci.	Cu.	1	----------	Cu.
11	Calm	Calm	E	E	E	NE	16.1	33.8	61.7	57.9	169.5	1	Ci.	Cu.	4	----------	Cu.-N. NE
12	NE	NE	ENE	NE	NE	NNE	58.2	62.8	78.3	75.9	275.2	6	----------	Cu.-N. E	1	----------	Cu.
13	NE	NE	NE	ENE	NE	NE	89.3	92.8	96	73	351.1	1	----------	Cu. E	2	Ci.	Cu. E
14	NNE	NNE	NE	NNE	NE	NNE	52.8	106.7	131.5	123.3	414.3	2	Ci.	Cu. E	10	Ci.-S.	N. NE
15	NE	NNE	NE	NNE	NE	NNE	119.1	113.3	103	101.1	436.5	8	Ci.-S.	Fr.-N. ENE	7	Ci.-S.	Cu.-N.ENE
16	NE	NNE	ENE	NE	NE	NE	93.9	104.3	85.6	86.9	370.7	9	Ci.-S.	Fr.-N. NE	8	Ci.-S.	Cu.-N. E
17	NE	NE	NE	NE	NE	NE	67.3	99.8	90.7	93	350.8	3	Ci.	Cu.-N. ENE	2	Ci.	Cu. ENE
18	NNE	NE	NNE	NE	NE	NE	80.2	----	84.8	72.1	------	3	Ci.	Cu. E	3	----------	Cu. ENE
19	NE	NE	ENE	NE	NE	NE	61.2	80.2	93.1	78.1	312.6	1	----------	Cu.	10	Ci.-S.	Fr.-N. E
20	NE	NNE	ENE	E	NE	NNE	72.6	77.2	66.6	69.5	285.9	3	----------	Cu. E	2	----------	Cu. ENE
21	NE	NNE	E	ENE	NE	NE	67	104.6	96.6	98.5	366.7	3	----------	Cu. ENE	2	----------	Cu. ENE
22	NE	NE	ENE	ENE	NE	N	110.4	90.7	83.1	91.7	375.9	1	----------	Cu.	4	----------	Cu. E
23	NNE	NE	NE	NE	NE	NE	102	123.9	119.1	102.7	447.7	3	----------	Cu. E	1	----------	Cu.
24	NNE	NNE	NE	ENE	NE	NE	124.7	109.9	97.7	117	449.3	2	----------	Cu. ENE	1	----------	Cu.
25	NE	NE	NE	E	NE	NNE	82.9	92.5	86.3	74	335.7	1	----------	Cu. ENE	1	----------	Cu.
26	NNE	NNE	NE	NE	NE	NE	72.2	107	111	83.7	373.9	1	----------	Cu.	2	Ci.	Cu. E
27	NE	NE	ENE	NE	NE	NE	108.6	136	130.7	101.4	476.7	1	----------	Cu.	2	----------	Cu. E
28	NE	NNE	NE	NE	NE	NE	80.8	106.2	84.7	68.7	340.4	2	Ci. WSW	Cu. E	8	Ci.-S.	Cu.-N.ENE
29	NE	NE	NNE	NE	NE	NE	46.7	85.8	81.5	97.2	311.2	2	Ci.	Cu.	8	Ci.-S.	Cu. E
30	NNE	NE	NE	ENE	NE	NE	82.9	88.5	92.8	72.4	336.6	9	Ci.-S.	N. ENE	3	----------	Cu. ENE
31	NE	NNE	NE	ENE	NE	NE	77.9	97.2	94.1	79.2	348.4	2	Ci.	Cu. ENE	2	Ci.	Cu.
Mean	------	------	------	------	------	------	73.3	88.5	84.6	76.9	323.2	3.7	----------	----------	4.5	----------	----------

ATIMONAN.

[$\phi = 14°\ 00'$ N; $\lambda = 121°\ 55'$ E; barometer above sea, 4 meters; gravity correction not applied, —1.74 mm.]

JANUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	61.18	61.78	62.65	60.74	61.64	61.80	24.7	24.6	25.9	26.9	25.1	24.6	28.2	23.3	82	82	84	80	86	82	1.3
2	60.41	61.17	61.88	59.69	60.87	61.53	23.1	20.8	25.6	27	25.9	24.9	28	29.9	86	96	81	72	78	79	------
3	61.14	61.62	62.49	60.89	61.57	62.47	21.4	20.7	27.2	27.2	25.8	25.4	28.2	19.3	94	94	75	74	78	80	4.3
4	61.63	62.21	62.98	61.28	62.09	62.44	25.4	25.2	25	25	24.7	25	26.4	22.8	83	90	88	87	89	92	10
5	61.14	61.54	62.92	60.32	61.42	62.14	25.5	25	25.9	26.9	25.9	25.6	27.7	24	93	96	89	84	89	90	3.6
6	61.03	61.43	62.43	60.63	61.08	62.83	25.5	24.9	26	26.8	25.7	25.1	27.7	23.7	88	96	89	83	88	89	6
7	61.93	62.21	63.13	60.82	61.74	63.60	24.9	24.1	25.7	26.7	25.9	25.7	27.2	22.6	84	91	87	77	83	81	2
8	62.24	62.99	63.77	61.13	61.61	61.99	25.1	24.9	25.5	25.2	25.5	25.4	26.7	22.9	79	76	80	78	76	80	2.5
9	60.86	60.03	61.24	58.29	59.15	59.75	24.2	24.2	25	25.2	25.2	24.9	26.6	22.6	87	92	91	91	91	92	3.6
10	58.22	58.12	59.33	56.79	57.19	58.47	24	24.2	26.9	27.4	26	24.1	28	22	95	97	82	78	88	95	------
11	57.96	58.45	59.60	56.97	57.30	58.82	22.9	22	26	27	26.2	25.9	27.4	21.1	96	96	87	80	85	86	------
12	58.09	58.46	59.84	58.79	59.15	60.43	25.7	25.3	27.3	25.2	25.1	24.9	27.7	23.7	85	84	76	83	83	85	2.8
13	59.86	60	61.53	60	60.49	61.74	24.6	24.7	25.9	25.9	25.4	24.8	27.9	23.4	87	86	80	86	84	85	.5
14	60.75	60.84	61.65	59.56	59.84	60.63	25	24.9	26.8	25.9	25.5	25.5	27	23.7	88	91	83	86	84	86	------
15	59.45	59.78	60.74	58.75	58.64	59.49	25	25	25.9	24.7	25.9	25.3	27	23.5	88	88	85	92	83	87	1.3
16	58.95	59.30	60.83	59.40	59.52	60.71	25.1	24.9	25.2	26.8	25.7	25.4	26.9	23.5	83	84	86	75	78	80	1.8
17	59.50	59.90	61	59.09	59.79	60.63	25	24.2	25.7	26.9	25.7	25.2	28	23	90	97	85	78	82	86	1
18	60.29	60.95	61.40	59	59.12	60.94	24.4	22.9	25.7	27.9	26.2	25.8	28.8	21.1	88	88	82	71	81	82	------
19	59.75	60.11	61.64	59.82	60.52	61.63	25.4	25.5	27	27.4	26	25.9	28.4	24.2	84	83	77	71	76	77	1.3
20	60.68	60.41	61.88	60.37	60.94	61.55	25.5	25.4	27.5	27.5	26.1	25.8	28.5	24	77	77	73	73	79	81	------
21	60.49	60.78	61.50	59.44	60.05	61.40	25.4	25.4	27.6	27.8	26.2	25.9	28.9	24	80	80	76	75	79	80	------
22	60.67	60.79	61.61	59.13	59.64	60.93	25.4	25.3	24.8	26.7	25.4	24.7	27.9	23	84	85	92	77	87	84	25.2
23	59.89	59.46	60.50	58.05	58.48	59.16	24.7	24	24.2	26	25.1	25.2	27	22.6	86	91	91	84	87	85	13.2
24	58.42	58.36	59.42	57.53	58.64	59.53	25	24.5	24.6	24	23.1	23.5	26.2	21.9	85	87	90	95	97	91	62.4
25	59.33	59.39	60.35	58.55	58.35	59.71	23.5	23	24.2	25.6	25	24.6	26.5	21.7	87	90	89	84	88	89	1.8
26	58.73	58.53	59.75	57.41	57.87	58.52	23.9	24.2	25.7	26.6	26	25.7	28.1	22.8	88	88	86	83	85	84	------
27	57.51	57.62	59	56.34	56.52	58.05	25	23	26.5	27.4	27	24.1	27.9	21.5	89	91	84	77	80	86	------
28	56.99	57.02	58.59	56.59	57.18	58.12	22.4	22.4	26.6	27.5	27	26.2	28.2	21	96	93	85	81	80	85	------
29	57.99	58	59.36	57.09	57.59	58.42	25.9	25.8	26.9	28	26.4	26.3	29.4	24.7	85	85	84	74	82	86	------
30	58	58.12	59.48	57.32	57.75	58.50	25.8	24.4	27.4	27.9	26.7	26.3	29	22.8	86	88	78	81	79	86	------
31	58.26	58.41	59.31	57.42	57.62	58.22	25	25.9	27	28.4	27	25.6	28.7	23.3	92	90	83	78	80	91	------
Mean	59.72	59.93	61.03	58.94	59.46	60.46	24.7	24.2	26	26.6	25.8	25.3	27.7	22.7	86.9	88.8	83.8	80.3	83.4	85.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	144.6

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	NNE	NE	NE	NE	NE	156.9	98.8	93.9	63.3	412.9	9	Ci.	S.-Cu. NE	8	Ci. NE	Cu. NE
2	NE	Calm	N	N	NE	NE	-----	49.6	122.9	85.9	------	8	Ci. E	S.-Cu. NE	4	Ci.	Cu. NE
3	W	SW	Calm	NE	N	NE	48.6	46.4	147.1	129.7	371.8	6	Ci.	S. NE	9	Ci.-Cu. NE	Cu. NE
4	N	NE	E	NE	N	N	107.6	117	126	73.4	424	10	Ci.	S.-Cu. NE	10	Ci.-S.	S.-Cu. NE
5	N	N	N	NW	N	N	86.9	92.5	144.5	102.5	426.4	9	A.-Cu. E	S.-Cu. NE	5	Ci.-Cu. E	Cu. NE
6	N	N	N	NE	NNE	N	101.7	154	175.1	151	581.8	10	Ci.	N. NE	9	A.-Cu. NE	S.-Cu. NE
7	NE	ENE	NE	NE	NE	NE	135.5	125	248.4	256.5	765.4	10	Ci.	N. NE	7	Ci. ENE	Cu. NE
8	NE	NE	NE	NE	NE	NE	249.9	235.1	252.4	235.4	972.8	7	Ci. E	S.-Cu. NE	10	A.-Cu.	S.-Cu. NE
9	NE	NNE	NE	NW	N	N	195.5	140.8	157.2	70	563.5	10	Ci.-S.	N. NE	9	A.-Cu. NE	S.-Cu. NE
10	Calm	NW	NW	NW	SW	Calm	34.3	66	67	27.4	194.7	8	Ci.	S.-Cu. N	3	Ci.	Cu.
11	SW	SW	N	NW	N	N	50.1	69.8	80.8	78.7	279.4	6	Ci.	S.-Cu. NE	2	Ci.	Cu.
12	N	NE	NNE	NNE	NE	NE	100.1	158.3	189.9	177.3	625.6	10	Ci.-S.	S.-Cu. NE	9	A.-Cu. NE	S.-Cu. NE
13	NE	NNE	NE	NE	NE	NE	166.4	180.9	172.8	87.4	607.5	10	Ci.-S.	S.-Cu. NE	10	A.-Cu. NE	S.-Cu. NE
14	NE	N	NW	NNW	NW	N	73.8	112.3	172	110.4	468.5	9	Ci.	S.-Cu. NE	5	Ci.	Cu. N
15	N	NW	NNW	N	NE	NE	120.1	155.3	154.5	143.4	573.3	10	Ci.-S.	N. N	10	Ci.-S.	S.-Cu. NE
16	NE	NE	N	N	N	N	154.3	195.3	178.3	118.9	646.8	10	Ci.	S.-Cu. NE	7	A.-Cu. NE	S.-Cu. NE
17	N	NNE	N	NW	N	NNE	62.3	78.6	133.9	137.6	412.4	4	Ci.	S.-Cu. NE	5	A.-Cu. E.	Cu. N
18	NW	SW	NW	NW	NW	N	41.2	56.3	44.1	70.8	212.4	9	Ci.-S.	S.-Cu. NE	1	Ci.	Cu.
19	N	N	NE	NE	NE	NE	101.4	168.8	173.5	155	598.7	8	Ci.	S.-Cu. NE	8	A.-Cu. E	S.-Cu. NE
20	NE	NE	NE	NE	N	NE	160.7	-----	166	126.3	------	7	A.-Cu. NE	S.-Cu. NE	5	A.-Cu. NE	Cu. NE
21	NE	NE	NE	NE	NE	N	118.3	122.6	141.1	116.2	498.2	9	A.-Cu. SE	S. NE	2	Ci.	Cu. NE
22	N	N	NW	N	N	NE	91.2	122.8	129.2	109.6	452.8	9	Ci.	S.-Cu. NE	5	Ci. E	Fr.-Cu. NE
23	N	N	N	N	N	NE	119.1	172	158.2	132.8	582.1	9	Ci.	S.-Cu. NE	8	A.-Cu. NE	S.-Cu. NE
24	N	NE	NE	NE	N	NE	161.1	174.8	152.4	161.1	649.4	10	Ci.	S.-Cu. NE	10	Ci.	N. NE
25	NE	NE	NE	NE	NW	E	167.1	166.1	154.8	101.1	589.1	10	----------	N. NE	10	A.-Cu. ENE	S.-Cu. NE
26	NW	N	NW	N	N	N	95.2	92	129.5	97.4	414.1	9	Ci.	S.-Cu. NE	9	A.-Cu. NE	S.-Cu. NE
27	NW	SW	NW	NW	NW	WSW	41.3	55.2	65.8	45.1	207.4	4	Ci.	S. NE	3	----------	Cu.
28	W	WSW	NW	NW	N	NE	66.8	54.7	92.8	-----	------	8	Ci.	S.-Cu. NE	2	Ci.	Cu.
29	NE	NE	N	NE	N	N	67	64.4	107.6	97.4	336.4	9	Ci.	S.-Cu. NE	9	A.-Cu.	S.-Cu. NE
30	N	Calm	N	NW	N	NE	42.8	38.4	115.3	64.9	261.4	7	Ci. W	S.-Cu. N	7	Ci. NW	Fr.-Cu. NW
31	N	N	N	NW	N	Calm	61.2	71.4	105.6	40.4	278.6	5	Ci.	S.-Cu. NE	2	Ci.	Cu.
Mean	------	------	------	------	------	------	105.9	114.5	140.4	112.2	478.8	8.4	----------	----------	6.5	----------	----------

ATIMONAN.

[$\phi = 14°\ 00'$ N; $\lambda = 121°\ 55'$ E; barometer above sea, 4 meters; gravity correction not applied, −1.74 mm.]

FEBRUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.32	58	59.08	56.96	57.67	58.51	26.5	25.2	28	29.5	27.9	24.2	31.2	21.9	84	86	79	70	74	86	------
2	58.46	59	60.42	58.68	58.70	59.77	22.8	22	27.4	29.2	27.3	23.9	29.7	20.4	93	91	80	70	77	86	------
3	59.55	59.65	61.30	59.34	59.13	60.85	21.8	25.3	28.4	29	27.2	26.9	30.6	20.3	93	85	70	67	72	76	------
4	59.97	60.60	61.96	60.16	60.87	61.92	26	25.7	28.6	29	26.3	26	29.5	24.4	82	82	73	68	82	80	2.8
5	61.19	61.63	62.86	61.01	60.90	61.14	25.7	25.9	25.4	25.3	24.9	25.1	26.2	21.7	82	81	80	78	91	88	25.6
6	59.89	59.94	60.92	59.71	60.11	61.18	24.9	24.9	26.4	24.8	24	24	26.7	22	84	83	81	87	87	91	18.3
7	59.99	60.80	61.93	60.04	59.77	61	24.5	25.6	26.7	27	25.9	24.4	27.7	22.6	84	76	70	70	75	79	------
8	60.13	60.45	61.30	59.69	59.46	61.07	24.9	24.6	27.8	26	26.2	26	28.4	22.5	76	82	67	67	67	72	.3
9	60.11	60.13	61.89	60.05	60.25	61.94	25.9	25.9	26.7	26.9	26.1	25.4	27.1	23.4	73	73	70	70	76	79	5.8
10	61.65	62	63.58	61.79	62.60	63.58	24	25.4	26.1	26	24.1	24	26.1	21.5	83	73	69	75	89	83	29.4
11	62.76	62.14	62.97	61.19	62.09	63.19	23.8	25	25.9	24.8	24.7	24.7	26.5	21.8	89	85	88	86	91	90	16
12	62.30	62.19	63.32	61.04	61.49	62.99	24.5	25.1	26.1	26.6	25.8	24.5	27.7	22	92	87	82	83	81	79	12.7
13	61.95	61.85	63.29	61.77	61.43	62.03	25.4	24	24.4	26	25.6	25.5	26.9	21.4	77	83	82	69	67	68	11.4
14	61.26	61.15	62.09	60.41	60.64	61.74	24.2	24.9	26	25.5	26	25.8	27	22	82	85	78	80	76	78	1.3
15	60.73	60.26	61.13	59.60	59.29	60	25.6	25.5	26.4	26.7	26	26	27	24	79	80	77	75	80	76	------
16	59.36	59.38	60.55	58.95	58.95	60.03	25.9	25.3	25.3	25.4	25.9	25.6	26.5	23.1	77	81	85	84	80	81	3.1
17	59.01	58.71	60.23	58.09	58.76	59.93	25	25	25.9	26	25.4	25.5	27.2	23.4	87	88	85	87	88	81	13.1
18	59	58.95	60.65	59.45	60.08	61.65	25.4	24.4	24.4	24.4	24.3	24	25.5	22.7	85	95	92	92	89	87	30.8
19	60.89	61.45	63.45	62.21	62.40	64.09	24.6	25	24.9	25.1	25	25	25.2	21.7	79	80	76	70	72	72	2.5
20	63.25	63.16	64.55	62.20	62.60	63.90	24.9	24.8	24.5	24.7	25	24.5	25.2	21.9	72	71	82	81	80	82	7.3
21	62.77	62.72	64.17	61.35	61.95	63.10	24	23.4	23.4	24.9	24.9	24.9	25.2	21.6	83	88	86	76	76	72	6.9
22	61.26	61.07	62.47	60.08	60.18	61.49	24.5	23.4	23.4	25.5	25.1	25	25.7	21.6	72	85	83	72	75	78	------
23	60.90	60.84	62.44	60.27	60.84	62.75	25	24.8	26.6	26.8	25.6	25	27.4	23.5	76	77	75	71	75	76	------
24	62.29	62.54	64.25	61.89	62.09	63.64	24.9	24.8	25.1	25.4	25.5	25.4	26.9	22.7	76	73	78	76	76	77	4.3
25	62.36	62.11	63.61	60.86	61.44	61.96	24.3	23.9	23.9	24	23.9	24	25.3	22	82	89	89	90	88	91	26.2
26	60.66	60.74	62.39	59.93	60.01	61.19	23.4	23	23	23.9	23.1	24.2	24.4	21.5	90	91	90	86	86	82	9.7
27	60.01	60.13	61.36	59.15	59.14	60.74	24.1	23.7	24.2	25.9	25.4	25	26.2	21.5	86	90	89	81	84	83	3.9
28	59.82	59.93	60.84	58.93	59.20	60.79	24.8	22.3	25.9	26.9	26	23.5	27.5	21.2	86	93	78	77	80	80	------
Mean	60.67	60.77	62.11	60.17	60.43	61.65	24.7	24.6	25.7	26.1	25.5	24.9	27	22.2	82.3	83.3	79.8	77.1	79.8	80.5	------
Total	-------	-------	-------	-------	-------	-------	------	------	------	------	------	------	------	------	-----	-----	-----	-----	-----	-----	231.4

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	NE	E	Calm	NW	SW	44.8	36.8	37	56.9	175.5	6	Ci.	S.-Cu. NE	7	Ci.	Cu.-N. SE
2	SW	SW	N	NE	NNE	SW	75.9	54.4	78.1	40	248.4	7	Ci.	S.-Cu. NE	2	Ci.	Cu. N
3	SW	E	E	N	NE	NE	61.8	77.4	79.7	89.5	308.4	5	Ci.	S.-Cu. NE	3	Ci.	Cu. NE
4	NE	NE	NE	NE	NbyE	NE	48.8	81.8	150	142.9	423.5	8	A.-Cu. NNE	S.-Cu. NE	6	Ci.	Cu. NE
5	N	NNE	N	N	N	N	186.8	132.6	166.3	195.5	681.2	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	S.-Cu. NE
6	NE	NE	NE	NE	NE	NE	82.6	89.6	164.6	186.9	523.7	5	A.-Cu. NE	S.-Cu. NE	10	Ci.	N. NE
7	NE	NE	NE	NE	NE	NE	195.7	252.4	189.6	124.4	762.1	10	Ci.-S.	S.-Cu. NE	9	Ci.	S.-Cu. NE
8	NE	NE	ENE	E	NE	NE	83.4	122.3	160.7	181.9	548.3	10	Ci.-S.	S.-Cu. NE	10	A.-Cu. ENE	S.-Cu. NE
9	N	NE	NNE	NE	NE	NE	197.6	255.3	289.9	269.2	1,012	8	Ci.	S.-Cu. NE	8	Ci.	S.-Cu. NE
10	NE	NE	N	N	NE	NE	257.2	271.7	261.5	189.9	980.3	9	A.-Cu. ENE	S.-Cu. NE	9	A.-Cu. NE	S.-Cu. NE
11	N	NNW	NE	NE	NE	NE	209.2	185.6	99	124.2	618	10	Ci.	N. NE	10	----------	N. NE
12	NE	ENE	N	N	NE	NE	-----	87.4	170.1	208.1	-----	10	Ci.	S.-Cu. NE	7	A.-Cu. E	Cu. E
13	NE	NE	NE	NE	NE	NE	199.8	183.2	219.1	212.6	814.7	10	Ci.	S.-Cu. NE	8	A.-Cu. ENE	S.-Cu. NE
14	NE	N	NE	NE	NNE	N	175.1	177.5	200.1	200	752.7	9	Ci.	S.-Cu. NE	10	A.-Cu. NE	S.-Cu. NE
15	N	N	N	NNE	NE	NE	209	208.2	237.7	257	911.9	5	Ci.	S.-Cu. NE	9	Ci.	S.-Cu. NNE
16	N	N	N	NNE	N	N	260.1	257.2	269.9	259.7	1,046.9	9	Ci.	S.-Cu. NE	10	Ci.-S.	S.-Cu. NE
17	N	N	NNE	N	N	N	245.1	187.3	218	199	849.4	8	Ci.	S.-Cu. NE	9	Ci.	S.-Cu. NE
18	N	N	N	N	N	NE	216.1	274.2	285.8	300.3	1,076.4	10	----------	N. NE	10	Ci.-S.	N. NE
19	NNE	NNE	NE	NNE	N	NE	323.1	332.5	357.8	336	1,349.4	10	Ci.-S.	N. NE	10	Ci.-S.	S.-Cu. NE
20	NE	N	N	N	NE	NE	322.1	304.3	287.2	248.4	1,162	10	A.-Cu. SE	S.-Cu. NE	10	A.-Cu.	S.-Cu. NE
21	N	NE	NE	NNE	NE	N	241.9	271.1	268.9	269.7	1,051.6	10	----------	N. NE	10	Ci.-S.	S.-Cu. NE
22	N	N	N	N	N	N	257.2	247.6	231.5	179.1	915.4	9	Ci.	S.-Cu. NE	8	A.-Cu. NE	S.-Cu. NE
23	N	N	N	NNE	NE	NE	142.7	153.2	203.9	200.9	700.7	1	Ci.	S.-Cu. NE	3	Ci.	Cu. N
24	N	N	N	N	N	N	206.8	253.4	254.2	236.7	951.1	7	Ci.	S.-Cu. NE	8	A.-Cu. NE	S.-Cu. NE
25	N	N	NNW	N	N	NE	255.7	266.1	215.8	201.1	938.7	10	----------	N. NE	10	A.-Cu. NE	S.-Cu. NE
26	N	N	N	N	NNE	NE	198.3	188	189.9	133.3	709.5	10	----------	N. NE	10	Ci.-S.	N. NE
27	N	NNW	NW	NNW	NNE	NE	162.6	103.8	137.4	108.9	512.7	7	Ci.	S.-Cu. NE	5	A.-Cu. NE	Cu. NE
28	NE	SW	NNW	NW	N	N	65.8	62.3	87.1	47.2	262.4	3	Ci.	S.-Cu. NE	1	----------	Cu.
Mean	------	------	------	------	------	------	182.4	182.8	196.8	185.7	751.4	8.1	----------	----------	7.9	----------	----------

ATIMONAN.

[$\phi = 14°\ 00'$ N; $\lambda = 121°\ 55'$ E; barometer above sea, 4 meters; gravity correction not applied, —1.74 mm.]

MARCH, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.69	60.51	62.06	60.02	59.95	60.81	22	21.4	26	27.6	26	25.4	28	20.2	92	95	80	76	79	80	------
2	59.78	60.16	61.91	60.25	60.03	61	24.3	24.5	25	25	25.3	24.9	25.6	22	76	82	83	83	81	78	6.5
3	60.54	60.16	61.56	59.97	60.83	62	24.5	24.2	25.2	26.7	24.1	23.8	27.5	22	82	83	82	75	82	80	1.5
4	60.90	60.93	62.21	60.18	60.14	61.43	23.5	23.4	26	26.4	26.3	24.8	29	21.8	83	85	79	73	70	77	------
5	61.03	61.24	62.65	60.52	60.08	61.33	22.3	21.9	26.4	27.4	26	24.7	29	20.4	89	90	71	65	72	79	------
6	60.74	60.84	61.89	59.74	59.66	60.48	21.4	20.8	26.3	27.1	26.5	22.5	28.5	18.8	84	83	63	65	67	86	------
7	60.01	60	61.73	59.62	59.69	61.26	24	24	27.8	28	26	24.9	28.8	20.1	83	81	65	60	69	76	------
8	60.36	60.65	61.60	59.32	59.52	60.67	24.3	20	27	27.2	26.2	25.3	28.7	18.4	73	89	68	66	71	75	------
9	59.41	59.90	61.68	59.97	59.64	60.47	25.1	24.8	27.9	27.3	26.5	25.3	29	23.5	73	75	64	59	71	74	------
10	59.20	59.15	60.64	58.62	58.14	60.25	24	24.6	26.4	27.5	26	25.9	28.7	22.6	78	77	69	68	75	74	------
11	59.15	59.12	60.32	58.80	59.70	60.40	26	25.9	26	26.5	25.9	25.9	27	23.1	80	81	88	81	86	80	48
12	59.25	59.45	61.44	60.59	60.83	61.93	25	25.7	26.2	24.8	25.5	25.3	26.3	23.3	88	86	86	92	88	93	45
13	61.18	61.19	62.85	60.56	59.98	60.98	25.5	25.2	28.1	28	26.9	26.7	28.5	23.3	86	87	79	77	81	80	------
14	60.53	60.54	61.90	59.76	59.15	60.18	25.7	22.8	27.9	28	27	26.5	29	21.4	81	92	79	74	80	82	------
15	59.05	59.42	60.82	58.29	58.54	60.02	26	23.7	27.9	28.8	27.4	26.5	29.8	22.1	81	90	74	65	74	80	------
16	58.62	58.87	60.52	58.82	59.14	59.90	26.1	26	28	27.8	26.8	26.5	28.9	24.9	82	83	81	79	82	82	------
17	58.92	58.84	60.73	58.91	58.93	60.24	26	26	27.9	28.4	27.9	27	29.4	24.2	84	88	78	78	78	84	------
18	59.21	59.26	60.38	58.69	58.39	60.23	24.4	22.9	27.9	29.9	28.4	25	30	21.5	89	92	78	71	74	89	------
19	59.20	59.88	61.79	59.82	59.27	60.84	23.6	23.2	26.8	28.2	27.5	26.8	29	22	92	94	77	75	76	80	1.3
20	60.43	60.49	61.95	60.64	60.03	61.17	26	25.1	26.9	25.4	24.5	26.1	27.4	23	84	85	79	81	87	79	2.3
21	59.98	60.95	62.15	60.47	60.34	61.84	25.6	23.8	28.8	28	27	26.5	30.4	22.3	78	85	71	73	78	79	------
22	61.40	61.24	62.79	60.62	60.82	61.87	26.2	26.3	27.9	28.8	27	26.1	28.8	24.7	79	77	73	65	75	77	------
23	60.87	61.25	62.68	60.37	60.12	61.44	25.9	25.8	28.6	28.9	27	26.4	29.5	24.3	80	81	66	65	76	79	------
24	60.64	60.77	62.23	60.31	59.98	61.78	26.2	26	28.5	29.4	27.3	26.9	29.9	24.8	79	80	70	65	78	80	------
25	60.90	60.77	62.08	60.24	61.04	62.29	26.2	26.2	29.3	29	27	27	31	24.4	80	79	69	69	80	77	14.2
26	61.58	62.29	63.37	61.24	62.10	63.33	25.6	24.8	27	25.5	26.4	25.1	28.7	22.6	81	85	78	84	77	83	1.8
27	62.49	62.29	64.07	62.27	62.22	63.28	25.1	25	27.2	26.7	25.9	25.6	27.9	23.3	83	84	75	75	81	81	.8
28	62.09	61.80	63.12	61.28	61.59	62.95	26	25.8	26.7	28.8	27.2	25.2	29.5	23.6	82	84	75	72	79	87	.5
29	61.87	61.77	63.38	61.59	61.62	63.37	26.1	26	27.4	28.8	27.2	26.9	29	23.9	83	84	74	71	75	76	.3
30	62	62.03	63.07	60.86	61.11	62.67	26.4	25.9	27.7	28.4	26.9	26.5	29	23.4	78	81	72	67	70	73	------
31	61.17	60.43	61.44	59.24	59.28	60.58	26	25.9	27.9	29	27	26.4	30	24.6	76	74	74	68	74	77	------
Mean	60.43	60.52	61.97	60.05	60.06	61.32	25	24.4	27.2	27.7	26.5	25.8	28.8	22.6	81.9	84.3	74.8	72.2	77	79.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	122.2

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	SW	NNW	NW	NE	NE	56.6	53.4	115.4	73.5	298.9	6	Ci.	S.-Cu. NE	4	----------	Cu. N
2	Calm	ENE	NE	NW	N	N	49.6	96.1	171.4	166.8	483.9	9	Ci.	S.-Cu. NE	10	A.-Cu. NE	S.-Cu. NE
3	NE	NE	NE	NE	NE	NE	151.6	104.9	128.7	57.6	442.8	9	Ci.	N. NE	8	A.-Cu. ENE	S.-Cu. NE
4	NE	NE	NE	NW	ENE	NE	51	37.3	100.1	53.9	242.3	10	Ci.-S.	S.-Cu. ENE	7	A.-Cu. E	Cu. NE
5	SW	SW	NE	NW	N	E	30.3	31.4	75	83.1	219.8	7	A.-Cu.	S. SE	3	A.-Cu.	Cu. NW
6	SW	SW	E	NNW	N	SW	62.3	39.1	69.4	54.4	225.2	4	Ci.	S. SE	3	Ci.	Cu. NW
7	NE	ENE	ENE	NE	NE	NE	67.4	82.3	151.1	121.3	422.1	8	Ci.	S.-Cu. NE	2	----------	Cu.
8	ENE	SW	NEbyN	N	N	N	51	98	133.9	93.8	376.7	1	A.-S.	S.	7	A.-Cu. ENE	Cu. NE
9	N	N	NE	NW	N	N	92.2	60.2	110.4	91.9	354.7	8	A.-Cu. NE	S.-Cu. NE	1	A.-Cu. E	Cu.
10	N	N	N	NW	N	ENE	69.7	96.3	114.8	65.7	346.5	4	Ci.	S.-Cu. NE	5	Ci. ESE	Cu.
11	N	N	NNW	N	N	N	120.5	155.1	202.5	172.4	650.5	9	Ci.-S.	S.-Cu. NE	10	A.-Cu. ENE	S.-Cu. NE
12	NE	NE	NE	NE	N	NW	170.9	163.7	145.9	85.6	566.1	10	Ci.-S.	N. NE	10	----------	N. NE
13	N	N	Calm	N	N	NE	82.9	42.8	123.9	111.2	360.8	5	Ci.	S. NE	9	A.-Cu. NE	S.-Cu. NE
14	NE	SW	Calm	N	N	N	47.8	29	143.5	97.7	318	1	----------	S.	8	A.-Cu. NE	Cu. NE
15	N	Calm	N	N	N	NE	48.1	43.8	96.1	96.6	284.6	3	Ci.	S.-Cu. NE	4	A.-Cu. NE	Cu. NE
16	N	N	NW	NNW	NW	NNE	66.6	75	120.2	83.5	345.3	9	Ci.	S.-Cu. ENE	4	A.-Cu.	Cu. Variable
17	N	NW	N	NW	N	N	80.5	61	102.8	69.8	314.1	8	Ci.	S.-Cu. NE	3	----------	Cu.
18	SW	SW	N	NNW	NW	SW	42.4	55.8	64.1	48.9	211.2	3	Ci.-Cu. ENE	S. NE	4	Ci.-Cu. NE	Cu. NW
19	SW	SW	N	N	NE	ENE	61.8	106.2	144.8	123.7	436.5	9	Ci.	S.-Cu. NNW	4	Ci.	Cu. NE
20	SW	Calm	NW	E	NW	NE	74.6	81.8	125.2	133.1	414.7	9	A.-Cu. SE	S.	10	Ci.-S.	N. NE
21	NE	Calm	NE	N	NE	NE	74.5	37.2	105.6	119.6	336.9	8	Ci.-S.	S.	6	A.-Cu. N	Cu. N
22	NE	NE	NE	N	NE	NE	126.1	136.3	135.8	93.1	491.3	9	Ci.	S.-Cu. NE	5	Ci.	Cu. NE
23	NE	NE	NE	N	NE	NE	74	84	122.6	115.7	396.3	8	Ci.-S.	S.-Cu. NE	8	Ci.-S.	Cu. NE
24	NE	NE	NE	NE	NE	NE	122.9	116.4	154.5	148.9	542.7	5	Ci.	Cu. NE	7	Ci.	Cu. NE
25	NE	NE	NE	NE	NE	NE	103.8	66	188.3	135.2	493.3	6	Ci.	S.-Cu. NE	9	A.-Cu. ENE	S.-Cu. NE
26	NE	NE	NE	NE	NE	NE	133.8	148.1	136	116.7	534.6	10	----------	N. NE	10	Ci.-S.	S.-Cu. NE
27	E	NE	NE	NE	NE	NE	90.9	137.6	152.1	98.4	479	9	Ci.-S.	S.-Cu. NE	9	A.-Cu. ENE	S.-Cu. NE
28	NE	NE	E	NE	NE	NE	117.3	106.8	196	151	571.1	8	A.-Cu. NE	S. NE	7	A.-Cu. NE	Cu. NE
29	NE	E	NE	NE	NE	NE	161.2	189.7	219.7	199	769.6	10	Ci.	S.-Cu. NE	6	Ci.	Cu. NE
30	NE	NE	NE	NE	NE	NE	166.9	207.1	229.3	171.6	774.9	8	Ci.	S.-Cu. NE	1	Ci.	Cu. NE
31	NE	NE	NE	NE	NE	NE	142.9	157.9	186.9	163.6	651.3	5	Ci.	S.-Cu. NE	4	Ci. E	Cu. NE
Mean	------	------	------	------	------	------	90.1	93.6	137.6	109.6	430.8	7	----------	----------	6.1	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	13,355.7	----	----------	----------	----	----------	----------

ATIMONAN.

[$\phi = 14° 00'$ N; $\lambda = 121° 55'$ E; barometer above sea, 4 meters; gravity correction not applied, —1.74 mm.]

APRIL, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.59	59	59.98	58.04	58.40	60	26	26	28	28.7	26.9	26.4	29.2	24.9	76	80	74	71	77	75	------
2	59.20	59.24	60.69	58.97	59.29	60.60	26	26	27.8	27.9	26.4	26.2	28.7	24.8	78	75	69	67	70	71	------
3	59.40	59.30	60.77	59.02	59.19	60.32	26	26	25.9	25.9	26	26.3	26.7	24	72	76	82	85	91	90	25.2
4	59.81	59.79	61.08	59.65	59.11	60.48	25	23.8	28.4	26.2	26.8	26.5	28.9	22.4	92	93	78	85	82	80	.5
5	59.39	59.34	60.32	58.91	59.10	60.18	26.2	26.1	26.5	28	27	26.9	28.4	24.8	82	82	80	71	80	77	.5
6	59.17	59.77	60.87	59.58	59.63	60.52	26.5	26.5	28	28.9	26.6	26.1	29.2	25	76	76	67	65	73	76	------
7	59.30	59.45	60.54	58.58	58.86	60.51	25.8	26	27	29	26.4	26.4	29.4	24.5	73	72	74	70	82	80	------
8	59.35	59.24	60.19	57.98	57.94	59.12	26.2	25.7	27.3	28.1	26.9	26.1	28.5	24.4	82	85	76	77	84	86	------
9	57.76	57.79	58.88	56.84	57.06	58.59	26.2	26	29	28.4	25.4	25.4	29.5	23.3	90	89	76	79	90	88	21.6
10	57.97	57.63	59.04	56.49	56.94	58.47	23.8	23.2	28.9	28.9	28	27.3	29.1	22	91	95	76	76	80	86	------
11	57.11	57.17	58.08	55.91	56.27	58.70	25.4	24.4	30.5	32	29.2	25.7	32.5	22.7	89	92	75	68	73	86	------
12	57.81	58.26	59.42	57.59	57.62	59.27	24.6	24	28.5	29.3	28	27.6	29.5	22.7	90	93	78	74	80	83	------
13	58.56	59.02	60.82	58.90	58.12	60.01	27.4	26.8	30.2	29.4	28.1	27.8	32.1	25.4	81	78	66	72	73	77	------
14	58.58	58.60	59.34	57.40	57.01	59.19	27	26.7	30.5	29.4	28.7	25	31	23.2	80	80	70	72	73	88	------
15	58.03	57.76	59.19	56.84	57.08	58.98	24	23.4	29	30.2	28.9	27.9	31.4	21.9	91	92	76	70	71	79	------
16	58.02	58.63	59.63	57.39	57.43	59.28	25	24.3	28.4	29.3	28	27.4	29.6	22.8	90	92	75	69	77	81	------
17	58.61	59.07	59.52	57.29	57.61	59.36	24.8	24.2	28.5	30	28.3	26	30.7	22.8	89	91	77	71	78	87	3.6
18	58.45	58.61	59.39	57.45	57.79	59.42	25.4	25.1	29.6	30.2	28.6	25.9	32	23.6	90	91	63	62	72	88	------
19	58.89	59.08	60.41	58.77	59.32	61.07	25.9	25.4	28.6	29	27.9	25	30.9	23.7	89	89	77	75	81	90	8.4
20	60.08	60.20	61.22	59.43	59.96	61.52	25	24.9	28.6	29.4	28	28	30	23.5	91	92	79	72	78	79	3
21	60.88	60.84	62.13	60.21	60.56	61.07	27.8	27.3	28.7	29	28	27.8	29.5	25.3	84	85	76	75	81	79	2.4
22	60.10	60.04	60.28	58.39	58.20	58.81	27.7	27	26.5	28.4	27.7	27.5	28.5	23.8	79	81	84	78	82	84	85.6
23	55.04	54.20	55.31	53.71	55.87	57.22	26.4	25.4	27.2	25.6	24.4	25.8	27.4	23.2	90	97	82	86	89	85	10.4
24	56.95	57.17	58.75	56.75	57.44	59.52	25	25.2	29.7	30.9	28.4	26	32.2	24	91	88	66	60	72	87	3.3
25	58.43	58.51	58.64	58.02	58.49	60.55	24.4	23.5	29.4	31.3	29	26.4	32.4	22.2	87	92	68	63	74	88	------
26	59.28	59.31	60.43	57.59	58.29	59.25	27	26	30.7	32.5	27	25.7	33.3	23.7	83	88	67	58	84	90	6.3
27	58.61	58.58	59.62	56.87	57.62	58.69	25	24.4	30	30	26	25	32.4	23.2	93	95	71	66	84	88	7.4
28	57.25	57.20	57.94	56.69	57.04	58.75	24.4	24.9	29.2	27.5	26.6	24.9	31.4	23	91	87	72	84	88	93	7.6
29	57.92	58.23	59.25	57.36	57.29	58.94	24	23.2	27.9	29.1	28.3	25.7	30.4	22	92	94	79	74	77	89	40.6
30	57.99	58.37	60.44	58.34	58.76	59.93	26	24.1	25	28	27.1	27.2	29.4	22.5	88	92	95	81	83	86	57.1
Mean	58.58	58.65	59.77	57.83	58.11	59.61	25.7	25.2	28.4	29	27.4	26.4	30.1	23.5	85.7	87.1	74.9	72.5	79.3	83.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	283.5

Day.	Wind.										Clouds.					
	Direction.						Total movement in hours.				6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	NE	NE	NE	NE	NE	149.2	177.5	197.5	188.5	712.7	4	A.-Cu. ENE	S.-Cu. NE	7	A.-Cu. NE	Fr.-Cu. NE
2	NE	NE	NE	NE	NE	NE	165.4	199.8	213.5	192.8	771.5	5	Ci. SSE	S.-Cu. NE	5	Ci. S	Cu. NE
3	NE	N	N	NNW	NE	N	167.6	195.8	220.4	86.7	670.5	8	A.-Cu. ENE	S.-Cu. NE	10	Ci.-S.	N. NE
4	Calm	SW	ENE	ENE	N	NE	31.9	86.1	134.1	121.2	373.3	8	A.-Cu. E	S.	10	Ci.	N. NE
5	NE	NE	NE	NE	NE	NE	100.8	145.4	170.4	184.9	601.5	6	A.-Cu. NE	S.-Cu. NE	8	A.-Cu. NE	S.-Cu. NE
6	NE	NE	NE	NE	NE	NE	168.2	179.6?	196	187.7	731.5	9	Ci.	S.-Cu. NE	1	Ci.	Cu.
7	NE	NE	NE	NNE	NNE	NE	201.2	144.8	176	197.5	719.5	4	------	Cu. NE	4	A.-Cu. E	Cu. NE
8	NNE	NNE	NE	NE	NE	NNE	155.6	158.2	181.3	121.2	616.3	9	A.-Cu. NE	S.-Cu. NE	9	A.-Cu. NE	S.-Cu. NE
9	N	N	NE	NE	Calm	Calm	88.8	75	111.2	30.6	305.6	10	Ci.	S.-Cu.	8	A.-Cu. E	S.-Cu. NE
10	SW	SW	NE	NW	N	Calm	40	43	121.8	44.3	249.1	1	Ci.	S.	4	------	Cu. E
11	SW	SW	NE	NE	Calm	SW	54.1	37	36.7	47.7	175.5	1	------	Cu.	4	Ci.	Cu.-N.
12	SW	SW	NNW	NW	N	N	58.5	74.8	128.7	82.1	344.1	8	Ci.	S.-Cu. NE	5	A.-Cu. NE	Cu.
13	N	E	Calm	NNW	N	NE	71	37.2	113.5	90.4	312.1	1	Ci.	Fr.-Cu. E	3	------	Cu. E
14	N	NE	Calm	NNW	NE	SW	82.6	53.6	102.8	46.9	285.9	3	Ci.	Cu. NE	2	Ci.	Cu.
15	SW	SW	N	NW	N	NE	68.4	48.8	83.5	55.2	255.9	4	Ci.	Fr.-Cu. NE	3	Ci.	Cu.
16	SW	SW	NW	NW	NE	NE	43.3	78.4	110.8	51.3	283.8	5	Ci.-Cu. NE	S.-Cu. N	3	Ci.	Cu.-N.
17	SW	SW	NW	NW	N	SW	53.7	73.7	85.3	50.5	263.2	6	Ci.	S.-Cu. N	3	Ci.	Cu.
18	N	SW	Calm	N	NW	SW	42.3	28.2	60.6	41	172.1	10	Ci.-S.	S.-Cu. N	8	A.-Cu. S	Cu.-N. SW
19	NE	Calm	N	N	NE	SW	39.7	50.5	79.7	63.3	233.2	10	Ci.-S.	S.-Cu. NW	9	Ci.-S.	Cu. NW
20	SW	Calm	N	N	NNE	NE	56.8	43.5	111.5	140.2	352	10	Ci.-S.	S. E	9	Ci.-S.	S.-Cu. NE
21	NE	NE	NE	NE	NE	NE	106.2	132.2	176.8	175.7	590.9	7	Ci. SE	S.-Cu. NE	9	A.-Cu. E	S.-Cu. NE
22	NE	NE	NE	NE	NE	N	186.4	139.4	167.3	219.6	712.7	10	Ci.-S.	N. NE	10	A.-Cu. NE	S.-Cu. NE
23	N	NE	NE	SE	SE	E	336.1	223.7	143.2	73.7	776.7	10	------	N. NE	10	Ci.-S.	N. SE
24	S	S	S	SW	S	Calm	57.6	84	73.5	30.8	245.9	4	Ci.	S.-Cu. SW	5	Ci.	Cu. S
25	SW	SW	S	SW	S	SW	62.2	48.5	78.9	32.7	222.3	2	Ci.	S.	3	Ci.	Cu. S
26	SW	SW	SSW	S	Calm	SW	54.5	48	70.2	42.4	215.1	7	Ci. NE	S.	4	Ci.	Cu.-N. NW
27	Calm	SW	SW	SW	Calm	SW	48	52.1	75.9	49.6	225.6	9	Ci.-S.	S.	9	A.-Cu. SW	S.-Cu. S
28	S	Calm	SW	Calm	SW	SW	42.8	63.4	34.4	64.1	204.7	9	A.-Cu. NW	S. W	9	Ci.-Cu. W	S.-Cu. NW
29	SW	SW	NW	Calm	N	SW	67.6	56.8	37.5	44.9	206.8	8	Ci. SW	Cu.-N.	7	Ci.	Cu.-N. W
30	Calm	SW	NE	NNW	N	NNW	45.4	48.9	105.6	104.1	304	9	Ci.-S.	S.-Cu.	5	Ci. ENE	Cu. N
Mean	------	------	------	------	------	------	94.9	94.3	120	95.4	404.5	6.6	------	------	6.2	------	------
Total	------	------	------	------	------	------	------	------	------	------	12,134	----	------	------	----	------	------

ATIMONAN.

[$\phi = 14°\ 00'$ N; $\lambda = 121°\ 55'$ E; barometer above sea, 4 meters; gravity correction not applied, —1.74 mm.]

MAY, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.79	59.38	60.53	58.78	58.58	60.28	27	27	28	28	27.5	27.5	29	23	83	84	82	81	82	78	3.1
2	59.10	59.06	60.11	58.02	58.55	59.10	27.4	27.4	28.5	26.4	26.3	27.2	29	24	78	77	73	79	82	83	11.4
3	58.38	58.22	59.81	57.96	58.38	60.27	27.1	26.9	28.2	29.3	27.8	27.3	29.6	24.4	82	81	80	70	72	78	.5
4	59.26	59.48	60.33	58.77	59.40	61.05	27	27	27.4	28.8	27	26	29	23.6	78	79	77	73	84	88	------
5	60.36	60.50	61.44	59.26	60.25	61.39	24.5	24.7	30.1	27.8	25.8	24.3	31.5	22.7	95	93	77	85	89	92	9.4
6	60.99	60.15	60.63	58.79	58.80	60.93	24.1	24.5	29.5	27.3	26.9	24.4	31	22.8	97	94	76	81	85	96	39.1
7	59.57	59.53	60.18	58.73	59.42	60.34	24.1	23.9	27.9	28	25.7	24.8	29.2	22.6	93	94	82	80	86	89	1
8	58.39	58.76	59.61	57.55	58.37	59.95	23.2	23	30	29.7	27	25	31.4	21.4	93	95	74	70	84	88	------
9	59.01	59.38	60.26	57.91	58.65	60.02	24	23.5	29	31.6	28	25.9	31.7	22.1	90	91	74	71	79	85	------
10	59.22	59.32	60.22	58.33	59.11	60.08	24.6	24.2	29.4	30	25	24	32	22.4	92	94	78	74	85	91	5.1
11	59.08	58.99	60.09	58.06	58.18	59.86	24	24	29	30	28.1	28.3	30	22.2	91	95	78	73	82	80	------
12	58.99	59.16	59.12	57.38	57.64	59.37	26.1	25.4	29.3	29.5	28.9	28.5	31.4	23.4	85	85	76	77	78	81	------
13	58.41	58.62	59.72	57.45	57.69	58.76	27.8	25.9	28.1	29.4	28.7	26.1	29.6	25.2	82	90	82	78	80	91	8.4
14	57.96	58	59.08	57.17	57.99	59.61	26	24.6	28.7	30.4	25.2	24.4	31.3	23	92	97	78	73	98	91	------
15	58.07	57.98	58.79	57.11	57.77	59.46	23.8	23.2	30.8	30.6	29	24	31.4	22.3	93	97	70	70	76	93	10.2
16	58.94	58.88	59.93	58.12	58.21	59.37	26	26.9	27.8	24.2	24.1	23.4	28.1	22.1	92	87	83	96	95	97	24.1
17	58.09	58.08	59	57.36	57.64	58.92	23.1	22.4	28	29.4	28	25.9	30.8	21.5	94	97	80	73	77	88	------
18	57.71	57.83	58.23	56.49	56.71	58.46	24.7	24.1	30	30.8	28.7	26	31.7	22.5	90	91	77	66	78	90	------
19	57.72	57.93	58.42	56.62	57.39	58.71	25.1	24.1	29.9	30.9	28.9	26.6	32.8	22.6	91	94	75	69	78	85	1.5
20	57.60	58.02	58.34	57.45	57.83	58.99	24.4	24.2	30.9	27.1	29	26	32	22.6	92	94	70	77	78	91	22.4
21	58.27	58.38	58.13	56.31	57.45	58.90	24.9	24.4	30.7	32.3	25.9	25.2	33.4	22.9	93	95	76	61	85	90	2.8
22	57.51	57.71	58.24	56.25	57.42	58.91	25.7	24.6	29.4	30.8	30	27.4	31.2	23.1	91	94	79	69	72	87	------
23	57.79	57.72	58.22	56.37	56.40	58.09	25.6	25.1	30.9	31.2	29.9	25.9	32.9	23.8	93	94	74	68	71	90	------
24	57.11	57.34	57.59	55.81	56.22	58.45	24.8	23.9	30.4	32.7	30	26.2	33.7	22.4	89	93	72	63	77	90	------
25	57.48	57.67	58.68	56.76	57.23	58.91	25	25	31	32.9	29.6	26.8	34	23.2	93	91	76	64	75	86	------
26	58.15	57.73	58.66	57.15	57.59	59.36	25.2	25.3	30.8	31.4	29.4	26.4	33.9	23.5	91	89	70	65	79	89	------
27	58.91	58.82	58.86	57.35	57.42	59.30	25.4	24.9	30	32.9	29.9	26.9	33.7	23.5	92	92	77	64	76	89	------
28	58.19	58.51	58.73	56.70	56.41	58.59	25.5	24.9	31.5	32.3	30	26.3	33.7	23.6	96	96	74	63	74	89	------
29	57.45	57.22	57.72	56.05	56.18	57.71	25	25	31.7	33	29.9	26.9	34	23.6	95	92	65	52	69	85	------
30	56.80	57.11	57.68	55.87	57.36	58.61	25.5	25.4	31.5	34.7	28.1	25.7	35.4	23.6	91	87	66	60	75	90	------
31	58.04	58.01	58.62	57.63	58.42	59.68	25.2	25	32	30	27	26.5	32.7	23.5	92	92	69	78	84	82	50.6
Mean	58.43	58.50	59.19	57.41	57.89	59.40	25.2	24.9	29.7	30.1	27.9	26	31.6	23	90.3	91.1	75.5	71.7	80.2	87.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	189.6

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Nocn.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	N	NW	NW	N	NE	124.7	114.5	129	122.5	490.7	5	Ci.	S.-Cu. N	8	A.-Cu. NE	S.-Cu. N
2	NE	N	N	NE	NE	NE	138.4	164.5	204.2	182.9	690	8	A.-Cu. ENE	S.-Cu. NNE	10	Ci.-S.	N. NE
3	NE	NE	NE	NE	NE	NE	197.4	159.3	180.5	149.2	686.4	8	A.-Cu. E	S.-Cu. NE	4	Ci. E	Cu. N
4	N	N	N	NW	N	Calm	141.3	119.4	107	33.6	401.3	10	Ci.-S.	S.-Cu. NEbyN	4	Ci.	Cu. NW
5	SW	SW	Calm	SW	Calm	Calm	36.7	30.6	75.6	40	182.9	8	Ci.	S.-Cu. NE	8	Ci.	S.-Cu. NE
6	Calm	Calm	Calm	NW	Calm	NW	46.4	29.2	77.9	39.2	192.7	4	A.-Cu.	S.-Cu. NE	9	Ci.	S.-Cu. NE
7	SW	SW	N	NW	NW	SW	34.4	44.9	69	37	185.3	9	Ci.	S.-Cu. SE	9	A.-Cu. E	N. W
8	SW	SW	NE	NNW	Calm	SW	67.1	39.1	45.3	60.6	212.1	4	Ci.-Cu.	S.-Cu. NE	5	Ci. N	Cu.
9	SW	SW	E	E	Calm	SW	79.2	37.8	68.2	49.9	235.1	5	Ci.-Cu. W	S.	6	Ci.	Cu.-N. variable
10	SW	SW	NE	E	SW	SW	60.6	34	60.7	63	218.3	7	A.-Cu. NE	S.-Cu.	9	Ci.	Cu.-N.
11	SW	SW	N	N	N	NE	58.1	62.5	97.7	84	302.3	4	Ci.	Cu.	7	Ci.	Cu.-N. ESE
12	WSW	SW	NbyW	NW	NbyW	NNE	51	52.3	132.8	95.2	331.3	8	Ci. S	Cu.	6	Ci.	Cu.-N. E
13	NE	Calm	NW	NW	N	SW	70.8	78.9	123.1	71	343.8	9	Ci.	N. EbyN	5	Ci.	Cu.
14	SW	SW	N	NW	SWbyS	SW	31.4	41.8	86.1	70.6	229.9	9	Ci.	S.-Cu. ENE	5	Ci.	Cu.-N. E
15	SE	SW	Calm	NWbyN	NNE	SW	80	48.5	101.7	63.1	293.3	5	Ci.	Cu. NE	4	A.-Cu. SE	Cu.-N.
16	N	N	Calm	WSW	WSW	SW	93.6	72.2	29	47.3	242.1	10	------	N. NE	10	------	N. WSW
17	SW	WSW	NNW	NW	NbyW	SW	63.1	66	80.8	41.5	251.4	5	Ci.	S.-Cu. ENE	5	Ci.-Cu. N	Cu.-N.
18	SW	SW	N	NW	Calm	SW	63.9	45.3	60.9	39.1	209.2	4	Ci.	Cu. E	5	A.-Cu. SE	Cu. E
19	SW	SW	Calm	NW	Calm	Calm	59.2	31.6	61.7	37.5	190	4	Ci.	S.-Cu. SE	4	Ci.	Cu.-N. SE
20	SW	SW	Calm	NW	Calm	SW	63.1	43	31.6	42.4	180.1	4	Ci.	S.-Cu. NE	9	Ci.	N. SE
21	SW	SW	NE	N	SW	SW	64.2	37.5	55.2	77.2	234.1	4	Ci.	Cu.	4	Ci.	Cu.-N. S
22	SW	Calm	N	NW	N	N	52	55.8	94.3	43.8	245.9	7	Ci.	S.-Cu. ENE	4	Ci.	Cu. E
23	SW	SW	ENE	N	NNE	SW	62	35.4	67.3	61.5	226.2	9	Ci.	S.-Cu. E	7	Ci. E	Cu.
24	SW	SW	E	N	Calm	SW	70.2	46.9	35.4	52.5	205	4	Ci.	S.-Cu. SE	7	Ci.	S.-Cu. SE
25	SW	SW	NE	N	Calm	SW	80.2	37.3	42.3	49.1	208.9	9	Ci. E	Cu. SE	7	Ci. E	Cu.-N. SE
26	SW	SW	Calm	SW	Calm	SW	65	36.4	37.3	50.5	189.2	3	Ci.	Cu.	8	Ci.-S.	Cu.-N.
27	SW	SW	ENE	SW	Calm	SW	62.3	34.8	28.7	36.7	162.5	7	Ci.	Cu.	8	A.-Cu. E	Cu.-N. SE
28	SW	SW	Calm	N	Calm	SW	53.7	35.2	55.7	54.2	198.8	4	Ci. E	Cu.	6	Ci.	Cu.-N. SE
29	SW	SW	SW	SW	SW	SW	72.6	40.5	68.6	66	247.7	4	Ci. variable	Cu.	3	Ci.	Cu.
30	SW	W	WSW	NE	SW	SW	71.8	46.5	52.8	71.9	243	7	Ci. E	S.-Cu.	7	Ci.	Cu.-N. variable
31	SW	SW	Calm	NE	NE	N	64.9	44	152.9	124.5	386.3	8	Ci.-S. E	Cu. E	5	Ci.	Cu. NNE
Mean	------	------	------	------	------	------	73.5	57	81.1	66.4	277.9	6.3	------	------	6.4	------	------
Total	------	------	------	------	------	------	------	------	------	------	8,615.8	----	------	------	----	------	------

ATIMONAN.

[$\phi = 14°\ 00'$ N; $\lambda = 121°\ 55'$ E; barometer above sea, 4 meters; gravity correction not applied, —1.74 mm.]

JUNE, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.66	58.49	58.92	58.48	58.54	59.98	27.3	27.8	30.6	26.7	26.5	25.1	32.2	23.6	82	84	73	85	91	95	16.5
2	59.51	59.58	60.58	59.01	58.48	59.82	24.5	24	28.9	28.8	29	25.9	31	22.6	89	93	81	76	76	91	------
3	59.11	59.37	60.23	58.78	58.69	60.84	25	25	29.6	31	29.4	26.3	32.3	23.3	95	93	74	65	75	90	------
4	59.35	59.78	60.19	59.03	59.17	60.29	25.3	24.4	30.9	30.4	29.7	28.9	32.2	23	93	95	70	71	72	78	------
5	59.32	59.37	59.77	58.05	58.16	60.11	28.2	27.7	31.7	30.7	29.4	28.7	32.4	26.9	80	84	68	70	76	78	------
6	58.75	58.99	59.15	57.54	57.63	59.09	28	27.9	30.7	30.6	29.6	28.5	31.4	25	83	84	69	72	75	74	------
7	58	58.34	58.83	57.64	57.43	59.29	28	27.8	30.9	26.8	28	25.5	32.5	23.8	82	82	72	83	81	90	34.8
8	58.69	57.97	58.76	57.18	57.29	59	25	27	30.4	31	29.6	26.5	31.6	22.9	86	87	75	72	77	91	.8
9	58.11	58.50	59.48	58.28	58.22	60.39	25.9	25.8	30.1	29.9	29.2	28.9	31.5	24.4	92	93	77	75	80	81	------
10	59.22	59.66	60.57	59.01	59.04	60.38	26.7	25.2	31	28.3	29.4	28.7	32.3	23.9	88	94	76	86	77	80	3
11	59.25	59.20	60.07	58.21	58.07	59.49	27.6	27.1	30.6	31.4	28.9	28.2	32	24.5	91	90	75	70	81	83	------
12	58.60	58.55	59.14	57.67	57.81	58.94	28.1	28	29.2	29.2	29	25.1	30.2	23.3	83	83	75	70	71	89	1
13	58.53	58.37	59.24	58.09	57.77	60.02	24.5	24.4	28.5	27.5	28.5	25.9	31	22.9	92	95	80	79	80	91	3.5
14	59.58	59.47	59.84	58.18	58.07	59.83	24.9	24.7	29	31	30	26	32.9	23.2	92	93	83	71	75	87	------
15	59.42	59.09	59.53	57.51	57.30	58.80	24.4	24	31	33	31	27	33.7	22.1	86	86	60	55	61	80	------
16	57.56	56.76	57.31	56.37	55.52	56.78	27.1	27.1	30.7	30	29.3	27	32.4	25.5	79	70	65	64	68	78	------
17	55.38	55.22	55.69	54.37	54.49	55.71	26.6	26	30.7	31	29	26	32.4	24.5	78	79	63	63	70	87	------
18	54.85	54.71	55.52	53.85	54.83	56.56	25.6	25.9	28.9	31.4	29.2	26.1	32	24.5	84	83	76	60	70	82	------
19	55.59	55.70	56.61	56.04	56	57.62	25.7	25.5	27.6	28.2	27.7	26.1	29	24.4	86	86	83	74	70	83	10
20	56.29	57.32	58.03	56.24	57.14	58.82	27	26.3	27.8	28.4	27.9	26.2	30.2	23.4	78	86	80	69	74	79	2.5
21	58.89	58.90	58.78	58.61	58.81	59.78	25.2	25.1	29.5	31	29.5	26	31.4	23.2	90	88	70	69	72	96	------
22	59.75	60.33	61.14	59.42	59.64	61.60	25	24.2	31.9	33	30.5	26.5	33.6	22.8	91	93	63	49	62	84	------
23	60.68	60.71	60.59	58.84	59.22	60.42	25.1	24.2	30.6	33	30	26.1	34.7	22.7	88	90	73	57	74	91	1
24	59.17	59.02	59.44	57.29	57.11	58.45	25.2	24.6	30.5	33	30.5	27.3	34.1	23.3	90	91	70	63	75	85	------
25	56.97	57.03	57.72	55.84	56.04	57.90	25	24	30.4	32.1	27.9	26.4	33.5	22.8	90	92	68	69	78	89	------
26	57.20	57.28	57.41	55.57	55.75	57.61	25.5	24.2	30.1	31	29.4	26.9	32.7	23	88	91	68	62	72	83	------
27	56.66	56.59	57.16	56	56.75	58.48	26.4	26.8	30.5	32.6	29.3	26.8	33.4	25.1	84	83	67	57	69	82	------
28	57.40	57.46	57.96	56.02	56.61	58.05	25.2	24.5	30.8	32.4	28.9	26.3	33.9	23.4	86	91	59	57	73	88	------
29	57	57.22	57.52	55.76	55.67	56.40	25.1	23.9	30.6	31.6	29	25.3	32.8	22.8	86	92	67	62	77	84	------
30	55.21	55.47	55.55	54.13	53	54	24.8	24.5	29.7	30.1	27.6	26.3	30.6	23.3	87	88	68	69	84	86	10.2
Mean	58.09	58.15	58.69	57.23	57.28	58.82	25.9	25.6	30.1	30.5	29.1	26.7	32.2	23.7	86.6	88	71.6	68.1	74.5	85.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	83.3

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	NE	E	SE	W	SW	119.1	64.6	45.3	51.2	280.2	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	N. SE
2	SW	SW	Calm	W	N	SW	39.4	30.4	49.4	54.9	174.1	10	Ci.-S.	S. SW	10	Ci.-S.	S.-Cu. E
3	SW	SW	N	NNW	NNE	SW	59.7	51.5	60.7	50.3	222.2	8	Ci. SSE	Cu.	9	A.-Cu. SE	Cu.-N. SE
4	SW	SW	Calm	N	N	NE	61.4	43.7	110.8	106.8	322.7	8	Ci. SE	Cu.	9	A.-Cu. NE	Cu. NE
5	NE	ENE	E	NE	NE	NE	54.9	65.7	142.2	83.2	346	4	Ci.	S.-Cu. ENE	7	A.-Cu. E	Cu. NE
6	NE	N	NE	NE	NE	ENE	58.9	116.5	183.5	89.3	448.2	7	Ci.	S.-Cu. NE	9	A.-Cu. ENE	S.-Cu. NE
7	NE	NE	ENE	NE	SW	SW	56.3	66.2	71.6	64.4	258.5	8	Ci.	S.-Cu. NE	9	Ci.	N. E
8	SW	N	NE	N	NE	Calm	53.6	109.1	135.2	31.2	329.1	8	Ci.	S.-Cu. NE	8	A.-Cu. ENE	S.-Cu. NE
9	SW	SW	NE	NNW	NE	NE	39.7	40.5	104.6	71.9	256.7	8	Ci.	S.-Cu. E	10	Ci.-Cu.	S.-Cu. E
10	SW	SW	NE	NE	NE	NE	42.8	63.9	128.4	101.4	336.5	3	Ci.	Cu.	9	A.-Cu.	S.-Cu. NE
11	Calm	NE	NE	NE	NE	NE	45.7	105.2	99.6	94.8	345.3	4	Ci.	S.-Cu. NE	9	A.-Cu. E	Fr.-Cu. NE
12	NE	NW	NW	NNW	NNE	SW	77.4	92	67.1	56	292.5	7	Ci.	Cu. NE	9	Ci.-S.	Cu.
13	SW	SW	NW	Calm	Calm	SW	64.9	63.8	23.5	35.2	187.4	9	Ci.-S.	S.-Cu. SE	10	Ci.-S.	S.-Cu.
14	SW	SW	N	N	Calm	SW	57.1	37.2	57.9	52.9	205.1	4	Ci.	Cu.	5	Ci.	Cu. W
15	SW	SW	SW	SW	W	SW	67.1	77.4	90.4	58.9	293.8	4	Ci. E	S.	6	Ci.	Cu. W
16	SW	SW	SW	SW	SW	SW	71.1	97.7	77.7	81.8	328.3	7	A.-Cu. W	S.	10	Ci.-S.	N. W
17	SW	SW	WbyS	WSW	SW	WSW	100.9	92.3	118.5	90.1	402.8	10	Ci.-S.	S. W	9	Ci.-S	Cu. W
18	SW	SW	SW	SW	SW	SW	85.8	68.7	75.4	27.9	257.8	10	Ci.-S.	S.-Cu. W	8	Ci.	Cu. SW
19	SW	Calm	SW	SW	S	SSW	30.9	46.2	61.2	74.5	212.8	10	Ci.-S.	S.-Cu. W	10	Ci.-S.	S.-Cu. SW
20	S	Calm	SSE	S	Calm	S	74.3	65.4	69.4	33.2	242.3	10	Ci.-S.	N. S	10	Ci.-S.	S.-Cu. SW
21	SW	SW	SE	SSE	S	SW	48.5	53.1	57.7	37	196.3	10	Ci.-S.	S.	9	Ci.-S.	Cu. SW
22	SW	SW	W	SW	S	SW	55.2	47.2	56.1	65.4	223.9	2	Ci.	S.	1	Ci.	Cu.
23	SW	SW	Calm	E	SW	SW	71.6	41.2	33.2	71.3	217.3	0	----------	----------	3	Ci.	Cu.
24	SW	SW	N	Calm	Calm	SW	68.9	36.8	24.7	56.5	186.9	5	Ci. E	S. NW	10	Ci.-S.	s.-cu. variable
25	SW	SW	SSW	E	Calm	SW	64.2	59	51.3	54.5	229	1	Ci.	S.	8	Ci.	S.-Cu. SW
26	SW	SW	SW	SW	S	SW	50.1	80.5	67	-----	-------	7	Ci. E	S.	9	Ci.-S.	Cu. W
27	SW	SW	SW	SSW	SSW	SW	-----	94.4	78.9	40.7	-------	9	A.-Cu. ENE	S.-Cu. W	8	Ci. E	Cu. SW
28	SW	SW	SW	SW	SW	SW	46.4	80.2	79.7	60.1	266.4	7	A.-Cu. NE	S.	6	Ci.	Cu. W
29	SW	SW	N	NW	SW	SW	58.2	43.8	60.4	57.1	219.5	8	Ci.-S. E	S.	7	Ci.-S. E	Cu.
30	SW	SW	NW	Calm	Calm	SW	52.5	67.8	39.6	35.2	195.1	10	Ci.-S. E	Cu.	10	Ci.-S.	S.-Cu. NW
Mean	------	------	------	------	------	------	61.3	66.8	77.4	61.6	267	6.9	----------	----------	8.2	----------	----------

ATIMONAN.

[$\phi = 14°\ 00'$ N; $\lambda = 121°\ 55'$ E; barometer above sea, 4 meters; gravity correction not applied, —1.74 mm.]

JULY, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	53.10	53.22	52.03	51.36	51.64	53.32	25.3	25	26.4	25.4	24.5	24.4	26.6	23.3	91	92	86	92	91	89	90.7
2	54.19	54.21	56.06	55.85	56.38	58.38	25	26.4	27.4	29	26.3	26.9	29.5	25	86	80	78	70	82	79	.5
3	57.91	58.14	58.57	57.72	58.36	59.88	26.1	26.4	29.8	31	28.7	27	32.4	25	85	83	67	65	73	83	------
4	58.97	58.98	59.22	58.16	58.33	60	24.7	23.6	30.4	25.9	27.8	25.6	32.2	22.8	88	94	78	80	79	88	21.1
5	58.41	58.83	59.83	58.05	58.53	59.69	24.6	23.7	26.6	27	27.3	27.4	27.6	22.6	94	97	88	83	81	84	37.9
6	58.68	58.72	59.32	57.63	57.45	59	24	23.6	26	29.7	28.3	27.8	30	22.2	91	93	93	74	82	83	14
7	58.60	58.62	58.91	57.81	57.93	59.29	26.8	26.9	30.5	28.4	28.3	27.7	31	24.5	89	89	77	82	79	82	2
8	58.21	58.36	58.87	57.08	57.47	58.97	25	24	28.9	30.3	27.4	25.3	31.2	23	90	96	78	71	88	92	3.1
9	58.37	58.21	58.32	56.82	57.35	58.90	24.2	24.2	30.5	32.4	27.4	25	33.2	23	95	95	68	58	85	92	------
10	57.80	58.14	58.52	57.35	57.47	59.01	24	23.6	30.8	31.2	27.9	26	32.4	22.4	94	95	66	69	82	89	2.3
11	57.72	58.42	59.37	56.59	57.44	59.44	25.6	23.5	29.9	29.5	28.6	25.8	32.3	22.5	82	93	71	71	80	92	1
12	58.41	58.53	58.47	56.66	56.49	58.30	24.5	23.7	30.8	32	29	23.8	32.7	22.2	92	94	71	60	76	84	13.7
13	56.88	55.93	55.59	53.79	53.43	55.30	24.5	23.8	28.8	28.5	26	24.7	29.6	22.1	86	92	72	76	82	86	41.7
14	51.78	51.46	52.23	50.82	50.57	51.71	24.3	23.9	25.4	25	25	26.4	27	22.3	93	91	85	88	83	77	18.6
15	50.98	51.67	53.46	52.28	52.15	54.04	26.9	25.5	25.	26.4	26.9	27.4	28	22.4	72	79	83	77	74	70	9.1
16	53.01	54.56	54.56	53.27	53.84	55.74	26.8	26.3	26.1	30.6	28.7	27.3	31	23	80	81	82	57	63	75	2.3
17	55.23	55.28	55.92	55.15	55.75	56.31	27.5	25.6	27.4	30.9	28.7	27	31.7	24.3	73	83	68	59	64	75	.5
18	55.42	55.25	56.14	54.79	55	56.59	26.4	25.7	28.6	30.4	27	25.9	31.2	24.1	77	78	72	60	75	78	------
19	56.17	56.05	56.59	54.92	55.74	57.06	25.6	25.5	29.2	30.5	27.4	26.2	31.6	24	80	80	63	62	71	79	------
20	55.74	55.66	56.74	55.47	55.88	57.12	25	25.6	29.4	30.2	27	25	32.4	22.9?	83	78	68	60	78	83	------
21	55.41	55.34	55.85	54.87	54.44	55.92	23.9	23.7	29.7	28.8	27.4	26.2	31.3	22.4	90	92	67	69	73	80	------
22	54.33	53.98	54.99	53.55	53.21	54.62	25	26.4	27.5	28.6	25	24.9	30.1	23.8	88	82	84	68	88	92	19.5
23	53.32	53.33	54.27	53.11	52.91	54.58	25	24.9	26.4	26	25.4	25.6	26.5	23.3	91	88	84	88	88	88	9
24	52.91	52.83	53.91	52.74	53.06	53.80	25	25.7	27.7	27	27	26.4	27.7	23.8	92	88	78	84	83	82	11.7
25	52.73	52.86	53.15	52.67	52.98	54.61	26.3	26.4	29.3	30.2	27.4	27.2	31.5	24.9	87	87	72	64	84	80	6.4
26	54.23	54.18	54.35	53.67	54.12	56.28	26.7	26	30	30.7	28.9	27.8	33.8	24.8	86	90	71	67	71	76	1.8
27	56.26	56.27	57.08	56.65	56.87	58.17	26	25.6	30	30	28.4	26.4	33.3	24.5	88	93	71	68	77	87	1
28	57.47	57.31	58.02	56.81	57.14	58.18	25.2	24.7	30.9	31.7	27.5	25.4	33	23.7	92	94	67	74	85	92	------
29	57.16	56.82	57.15	55.98	55.58	57.12	24.1	23.6	29	31.3	28.9	25.2	31.6	22.5	95	95	78	72	74	92	------
30	56.52	56.23	56.55	55.42	55.08	56.21	24	23.5	29.3	28.3	28	26.5	32	22.4	93	96	76	81	78	83	.8
31	54.71	54.68	55.35	54.15	54.06	54.95	24.7	24.7	27.5	29.2	27.6	26.2	29.4	23.5	90	90	78	70	75	82	.5
Mean	55.83	55.87	56.43	55.20	55.38	56.85	25.2	24.9	28.6	29.2	27.4	26.1	30.8	23.3	87.5	89	75.5	71.6	78.8	83.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	309.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	SW	Calm	WSW	SW	SW	51.3	48.5	218.9	162.8	481.5	10	Ci.-S.	S.-Cu. W	10	Ci.-S.	N. WSW
2	S	SSW	S	SSW	SSE	S	136.8	116.2	125	78.6	456.6	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	S.-Cu. S
3	SSE	S	S	SSW	S	SW	64.9	66.3	60.6	45.4	237.2	10	Ci.-S.	S.-Cu. SSW	9	Ci.-S.	Cu. S
4	SW	SW	NE	SSW	NW	SW	56.5	37.3	34.6	46.2	174.6	10	Ci.	S.	10	Ci.	N. S
5	SW	SW	N	NW	N	N	41.2	39.7	119.4	93	293.3	9	Ci. N	Cu.	10	Ci.-S.	S.-Cu. N
6	SW	W	SE	N	NE	NE	50.5	49.7	138.9	73.5	312.6	8	Ci. SE	Fr.-Cu. NE	8	Ci. SE	Cu. NE
7	NE	NE	NE	NW	N	NE	35.4	46.9	115.6	76.9	274.8	9	Ci.-S.	S.-Cu. NE	9	A.-Cu.	Cu. NE
8	SW	SW	N	NW	SE	SW	43.8	56.3	78.7	59.8	238.6	4	Ci.	S.-Cu. NE	4	Ci.	Cu. Variable
9	SW	SW	SW	N	SW	SW	61	60.6	75.6	50.5	247.7	3	Ci. ENE	Cu.	2	Ci.	Cu.-N.
10	SW	SW	E	SW	S	SW	65.2	40.8	59.2	45.3	210.5	8	Ci.	S.	8	Ci.	Cu. SW
11	SW	SW	E	Calm	SW	SW	48.9	33.2	34	38.8	154.9	10	Ci.-S.	S.	8	Ci. E	Cu.
12	SW	SW	Calm	NW	Calm	W	60.1	45.6	84	75.1	264.8	9	A.-Cu. SE	S.	9	A.-Cu. E	Cu. SW
13	NW	SW	W	SW	SW	W	92.7	89.8	139	131.5	453	9	A.-Cu. ENE	S.	10	Ci.-S.	S.-Cu. W
14	WSW	SW	WSW	SW	SW	SW	231.8	190.7	222.9	263.9	909.3	10	Ci.-S.	N. WSW	10	Ci.-S.	N. SW
15	SW	SW	SW	SW	SW	SW	196.3	199.4	136.3	140.5	672.5	10	Ci.-S.	N. SW	10	Ci.-S.	S.-Cu. SW
16	SW	SW	SW	SW	WSW	SW	88.7	124.4	153.4	122.3	488.8	10	Ci.-S.	N. SW	10	Ci.-S.	S. SW
17	SW	W	SW	SW	SSW	SW	67.3	139.4	111.5	84.3	402.5	10	Ci.-S.	S.	9	Ci.-S.	Cu. SW
18	SW	SW	WSW	WSW	SW	SW	114.8	121.3	110.8	81	427.9	10	Ci.-S.	S.-Cu. SW	9	A.-Cu. NW	S.-Cu. W
19	SW	SW	SW	SW	SW	SW	76.7	72.1	87.7	66.6	303.1	10	Ci.-S.	S.-Cu. W	9	Ci.-S.	Cu. W
20	Calm	SW	S	SW	W	WSW	45.1	48.3	62	48.8	204.2	7	A.-Cu. SW	----------	10	Ci.-S.	S. WSW
21	SW	Calm	SW	SW	W	Calm	34.1	57.4	81.6	41	214.1	7	Ci.	S.-Cu. SW	10	Ci.-S.	S.-Cu. WSW
22	SW	S	SW	SSW	Calm	SW	----	----	78.3	42.4	------	7	Ci.	S.-Cu. SW	10	Ci.-S.	S.-Cu. SW
23	S	SW	S	Calm	Calm	SW	56	70.3	55.8	39.4	221.5	10	Ci.-S.	N. SW	10	Ci.-S.	N. SW
24	S	S	S	S	SW	SW	45.1	78.3	61.7	54.9	240	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	S.-Cu. SW
25	SW	SSW	S	SSW	S	SW	47.5	75.4	71.6	69.8	264.3	9	A.-Cu. SW	S.-Cu. SW	9	A.-Cu.	S.-Cu. SW
26	SSW	SW	SSW	SW	SW	SW	32.7	63.9	92.3	71.4	260.3	7	A.-Cu. SW	S.	8	Ci.-Cu.	S.-Cu. W
27	Calm	SW	SW	W	SW	Calm	28.8	39.7	67.1	28.2	163.8	9	Ci.	S.-Cu. SW	9	A.-Cu. SW	Cu. SW
28	SW	SW	W	Calm	SW	SW	50.9	32.4	38.3	43.2	164.8	9	Ci.-S. ESE	----------	9	Ci.-S. E	Cu. SW
29	SW	SW	Calm	Calm	NW	SW	54.4	28.4	37.2	59	179	4	Ci.	S.	10	Ci.-S.	Cu.
30	SW	SW	NW	SW	SW	SW	68.4	42.3	80.8	94.1	285.6	9	Ci.-S. ENE	Cu.	9	Ci.-S.	Cu. W
31	SW	W	SW	SW	SW	SW	45.9	65.4	83.4	67.6	262.3	10	Ci.-S.	S. W	10	Ci.-S.	S.-Cu. SW
Mean	------	------	------	------	------	------	69.8	72.7	94.1	77.3	315.5	8.6	----------	----------	9	----------	----------

ATIMONAN.

[ϕ=14° 00′ N; λ=121° 55′ E; barometer above sea, 4.1 meters; gravity correction not applied, —1.74 mm.]

AUGUST, 1911.

Day.	Atmospheric pressure, 760.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	53.95	53.91	54.26	53.32	54	56	26.7	25.4	28.2	28.4	26.3	26.5	30	24.4	85	92	76	74	82	80	2
2	55.26	55.22	55.95	54.55	55.02	56.56	26.1	26.4	27.9	30.1	28	25.9	31.2	24	82	85	79	72	79	89	.5
3	55.62	55.50	56.52	54.76	55.79	57.15	24.9	26.6	28.4	31.6	28.7	26.9	32.4	23.4	91	87	79	62	73	80	4.6
4	56	56.41	56.77	55.47	55.56	57.04	24.8	24.4	30.4	31.5	29.6	26.5	32.7	23.3	92	92	66	62	66	82	------
5	56.15	56.43	56.83	55.98	56.04	58.09	24.5	23.8	30.1	32	29.4	25	32.4	22.3	87	89	65	57	68	92	------
6	57.36	57.44	57.96	56.32	56.31	58.30	23.7	23.4	31	31.4	29.5	25.1	33	22.2	93	92	59	69	75	91	------
7	57.23	57.14	57.80	56.55	56.55	57.35	24	23	31.2	31.1	30	25.7	33.2	21.9	87	90	64	68	75	86	------
8	56	55.64	55.82	54.41	54.45	55.32	24	23.4	30.5	31.5	29.2	27.7	32.9	22.2	91	92	72	70	66	71	------
9	54.31	54.20	54.28	52.54	52.96	54.07	26.4	27	31.4	32.5	29.2	27.7	33.2	24.8	79	77	66	55	64	75	------
10	52.78	52.81	53.57	52.39	53.08	54.31	27.4	27.7	30.2	30.7	28.6	27.8	33.7	26.4	79	76	69	65	75	82	------
11	52.92	53.34	54.42	53.59	54.16	55.35	27.3	27.3	30	31.4	29	27.7	32.7	26	78	81	69	63	71	78	------
12	55.29	55.21	55.59	54.63	54.97	56.54	27.1	27	31.4	30.1	28.4	27.3	31.6	25.4	82	83	63	68	75	78	------
13	55.62	54.89	55.25	53.89	54.64	55.56	25.8	25.9	28	29	27.7	26.6	30.7	24.5	78	76	74	69	76	86	------
14	54.26	54.74	55.45	54.45	55.48	57.34	25.7	25.8	28.4	31.4	27	26.5	32.2	24.5	88	88	71	62	80	81	1
15	57.28	57.30	57.88	56.51	57.52	59.23	26.6	26.7	30.2	30.6	28.6	25.4	32	23.4	82	83	65	58	65	84	------
16	58.79	58.79	58.87	57.71	57.95	59.75	26.4	25.4	30.2	32	29	24.8	32.6	22.9	85	92	64	57	71	86	------
17	58.26	58.17	59.14	57.01	57.17	57.81	23.7	22.8	31	31.5	28	25.4	33.4	21.7	90	92	64	66	80	88	------
18	56.86	56.09	57.30	55.64	56.25	57.77	24	23.4	29	25.8	24.8	23.5	30.8	22.2	91	92	74	78	81	90	21.3
19	55.94	55.71	56.98	55.25	55.99	57.06	23.7	23	28.8	29.2	26.8	24.2	29.5	21.9	87	91	72	70	86	86	5.1
20	56.33	56.48	57.01	55.97	55.92	57.70	23.3	23.4	29	27.4	26.4	24.3	29.8	22	92	91	71	80	90	93	.3
21	57.23	56.98	57.57	55.43	55.97	57.71	22.4	21.8	29.3	32	28.8	24.3	32.4	20.9	95	96	62	52	61	85	------
22	56.49	56.63	57.08	55.38	55.64	57.71	23.2	22	29.9	31.7	24.7	24.1	32.5	21.1	90	95	58	56	86	91	------
23	56.21	56.09	56.74	55.40	55.81	57.19	23.1	23.1	28.8	30.4	28.2	25.2	31.4	22	96	95	76	66	79	90	------
24	55.42	55.48	55.86	53.99	53.48	54.65	24.4	24.4	27.9	29.6	27.2	25.2	30.3	22.8	87	87	74	70	78	84	1.3
25	53.41	52.63	53.47	50.90	50.82	53.22	24.7	24.7	26.8	29.2	27.3	26.2	29.9	23.4	83	81	74	68	73	76	------
26	52.06	52.13	53.39	52.12	52.82	54.54	26	26.4	29.2	31.8	28.7	27	32.7	24.9	82	79	66	54	63	74	------
27	54.20	55.19	55.67	54.51	55.43	57.75	26.4	26.2	30.5	31.4	29	27.4	32.7	25.2	80	86	66	62	72	77	------
28	57.11	57.09	57.81	56.50	56.73	57.79	26.5	25.4	31.4	32.2	28.8	27.2	33.9	24.4	83	90	60	57	67	72	------
29	56.96	56.91	56.91	55.31	55.81	56.12	26.6	26.7	31.4	33.4	29.4	28	34.2	25.5	79	79	55	48	61	69	------
30	55.14	55.13	56.39	54.48	55.23	56.34	27.5	27.2	31.2	33.5	29	27.6	33.7	26	76	74	63	52	68	73	------
31	55.63	55.66	56.45	54.15	55.45	57.23	27.1	26.8	31	33.8	29.3	28.1	34.3	25.9	77	80	57	48	66	72	------
Mean	55.68	55.66	56.29	54.81	55.26	56.73	25.3	25	29.8	30.9	28.2	26.2	32.2	23.6	85.4	86.5	67.5	63.2	73.3	82	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	36.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SSW	Calm	SW	SW	SW	SW	45.9	72.1	98	80.8	296.8	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	S.-Cu. SW
2	S	SW	SSW	W	Calm	SW	28.7	70.5	68.1	29.3	196.6	10	Ci.-S.	S.-Cu. SW	9	A.-Cu. SW	S.-Cu. SW
3	W	S	SW	S	SW	SW	37.6	67	79.7	35.2	219.5	7	A.-Cu. SW	S.-Cu. SW	4	Ci.	Cu. SW
4	SW	SW	S	S	S	Calm	45.6	65.2	68.6	27.1	206.5	4	Ci. E	S.	5	Ci.	Cu. SW
5	SW	SW	SSW	SSW	Calm	SW	46.9	52.1	66.2	64.9	230.1	10	Ci.-S.	S.	7	Ci.-S. E	Cu.
6	SW	SW	SW	NE	Calm	SW	61.2	61.5	32.2	48	202.9	10	Ci.-S. SE	----------	7	Ci.	Cu. WNW
7	SW	SW	Calm	E	Calm	Calm	55	37.2	38.6	41.3	172.1	7	Ci. E	----------	9	Ci.	Cu.-N.WNW
8	SW	SW	Calm	E	W	WSW	51.8	47.8	49.3	50.5	199.4	5	Ci. NE	S.-Cu.	10	Ci.-S.	S.-Cu .NW
9	SW	WSW	W	WSW	W	W	55	113.7	159.3	114.3	442.3	10	Ci.-S.	S. W	8	Ci.-S.	Cu. W
10	W	SW	W	WSW	SW	SW	93.8	71.1	126.1	126.5	417.5	9	A.-Cu. W	S.-Cu. W	9	A.-Cu. W	S.-Cu. W
11	WSW	WSW	SW	SW	S	SW	102.8	121.7	129.8	111	465.3	10	A.-Cu. W	S.-Cu. W	9	A.-Cu. SW	S.-Cu. W
12	SW	SW	SW	SW	S	SW	67.4	77.8	84.8	108	338	8	Ci.	S.-Cu. SW	10	Ci.-S.	N. W
13	SW	SW	SW	SW	SW	SW	112.7	82.6	74.8	90.3	360.4	10	Ci.-S.	S.	10	Ci.-S.	S.-Cu. W
14	SW	SW	SW	SW	SW	SW	64.9	93.9	100	66.2	325	10	Ci.-S.	S.-Cu. SW	7	A.-Cu. SW	Cu. SW
15	SW	SW	SW	SW	SW	W	62.2	69.8	85.6	27.4	245	10	Ci.-S.	S.-Cu. SW	10	A.-Cu. S	S.-Cu. SW
16	S	SW	SW	SW	Calm	SW	42.3	46.7	64.1	56.3	209.4	9	Ci. E	S. SW	9	Ci.-S. E	Cu. WSW
17	SW	SW	N	N	SW	SW	-----	50.5	42.9	38.6	------	9	Ci.-S. E	----------	9	Ci.	S.-Cu. NW
18	SW	SW	E	W	W	SW	52.8	49.3	81.6	40	223.7	10	Ci.-S.	S.	10	Ci.-S.	N. NW
19	Calm	SW	SW	SSW	Calm	SW	44.5	40.5	44.8	59.3	189.1	10	Ci.-S. NE	S.-Cu. SW	10	Ci.-S.	S.-Cu. SW
20	SW	SW	W	Calm	Calm	SW	57.6	50.5	56	41.8	205.9	10	Ci.-S.	S. W	10	Ci.-S.	S.-Cu. W
21	SW	SW	SW	SW	SW	SW	66.5	88.2	98.5	51.3	304.5	3	Ci.	----------	5	Ci. E	Cu. W
22	SW	SW	WSW	Calm	SW	SW	63.1	58.1	54.5	68.2	243.9	4	Ci. E	----------	10	A.-Cu.	S.-Cu. NW
23	SW	SW	N	N	Calm	W	69.4	-----	-----	52.9	------	10	Ci.-S.	S.-Cu.	7	Ci.	cu.-N. NW
24	W	SW	W	NW	WNW	W	63.9	69.7	34.9	49.4	217.9	10	Ci.-S.	S. N	10	Ci.-S.	S. NW
25	W	W	SW	SW	SW	SW	61.5	49.9	116.2	120.7	348.3	10	Ci.-S.	S. W	10	Ci.-S.	S. W
26	SW	WSW	SW	SW	SW	SW	147.8	164	174.6	126.8	613.2	10	Ci.-S.	S.-Cu. SW	9	Ci. N	Cu. SW
27	SW	Calm	SSW	SW	SW	SW	67.3	48.3	92	48.5	256.1	10	Ci.-S.	S.-Cu. SW	9	Ci.	Cu. SW
28	Calm	SW	SW	SW	SW	SW	30.9	79.4	94.4	53.1	257.8	4	Ci. NE	S. W	5	Ci.	Cu. W
29	WSW	SW	WSW	SW	SW	SW	56.1	121.3	158	148.6	484	4	Ci. EbyN	----------	4	Ci.	Cu. W
30	SW	WSW	W	W	W	WSW	119.9	153.5	150.5	90.3	514.2	7	A.-Cu. W	S.	7	A.-Cu. W	Fr.-Cu. W
31	SW	SW	SW	WSW	SW	SW	109.9	139.5	159.9	104.3	513.6	5	Ci. ENE	S. W	9	Ci. NE	Cu. WSW
Mean	------	------	------	------	------	------	66.2	77.1	89.5	70	306.9	8.2	----------	----------	8.3	----------	----------

ATIMONAN.

[$\phi = 14° 00'$ N; $\lambda = 121° 55'$ E; barometer above sea, 4.1 meters; gravity correction not applied, —1.74 mm.]

SEPTEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	56.10	56.48	57.57	56.30	57.17	58.78	27.2	26.8	30.7	32.8	29.5	27.6	34	25.8	75	77	63	56	64	72	------
2	57.95	57.99	58.37	56.54	56.34	57.84	26.2	27	30.8	32.5	30.8	27	34	24.2	79	75	57	53	63	75	------
3	57.50	57.30	57.53	55.64	56.66	58.79	23.8	23.8	31.4	32.8	30.7	26.2	34.4	22.1	90	88	62	56	58	84	------
4	57.84	58.06	58.15	56.64	57.55	58.45	24.7	24.7	31.5	32.8	29.2	26.2	34.3	23.4	87	86	60	56	76	89	------
5	57.61	57.62	59.02	56.71	57.35	58.67	24.7	24	30.2	32.6	29.2	26.2	34.6	22.9	90	91	66	62	74	89	------
6	57.98	57.54	58.52	57.11	57.31	59.03	24.4	23.8	32.4	32.5	28.6	26	34	22.5	92	93	57	63	76	91	------
7	58.33	58.37	59.39	57.72	57.77	59.33	24.6	23.7	30	30.2	28.9	28.4	31.4	22.6	91	93	71	74	78	77	1.3
8	58	58.06	59.03	56.89	57.16	58.62	27.2	26.8	30.8	30.2	28.2	26.4	31.4	25.2	74	74	68	71	76	89	3.1
9	57.81	57.66	58.37	56.77	57.32	59.66	26.2	27	31	28.6	28.7	27.9	32	24.9	86	84	66	78	78	77	1
10	58.30	58.21	59.39	58.30	58.29	60.08	27.8	27.6	29.8	31.4	28.8	27.4	32	25.4	80	82	73	65	72	81	------
11	58.20	58.44	59.94	58.19	58.74	59.50	27	26.6	26.2	26.6	27	27.3	27.4	24	91	87	89	90	88	82	11
12	58.79	58.75	59.18	57.52	57.69	59.01	26.5	25.5	28.2	28.4	27.5	26.4	29.7	24	82	91	82	82	84	89	3.6
13	58.21	58.13	58.75	56.48	56.91	58.09	24.3	24	27.4	29	28.6	27.9	29.9	22.9	96	96	81	81	80	82	7.6
14	56.70	56.81	57.35	55.87	56.08	57.54	27.2	24.9	27.9	29.7	28.4	25	29.9	23.5	84	92	77	72	75	92	------
15	56.22	56.27	56.09	54.36	54.71	55.52	24.1	23.6	30.2	31.6	28.9	25.9	33.6	22.7	93	95	69	62	78	90	------
16	54.22	54.06	54.89	52.85	53.49	54.62	25.5	25.9	31.3	31.4	28.7	27.8	32.5	24.2	85	82	58	61	73	75	------
17	54.60	54.64	55.68	53.84	54.36	55.80	27.4	27.3	30.7	30.7	27.6	26.5	32.5	24.4	77	78	65	66	77	87	3.6
18	55	55.36	56.11	54.87	55.90	57.03	25.1	25	27.6	27.9	27.2	26.6	29.2	23.6	92	92	79	77	78	84	8
19	55.82	55.69	56.98	55.47	56.10	58.36	26.4	26	28.6	29.5	27	26.9	30.4	24.4	86	85	72	71	86	81	13.5
20	57.38	57.38	58.30	56.87	57.53	59.24	24.9	24.2	29.4	32.4	27.7	26.3	33.1	23.2	92	95	71	61	85	90	------
21	58.41	58.17	58.49	56.50	57.34	57.71	25.1	24.6	30.9	29.7	25.8	24.2	31.7	23.1	91	93	69	69	85	93	12.7
22	57.25	56.43	57.11	55.54	56.09	57.88	25.2	23.6	27.7	28.8	28.4	28	30.2	22.4	88	95	79	78	78	82	.3
23	56.99	57.23	58.35	56.17	57.46	58.73	25.7	23.9	31.2	30.2	29.2	28.3	32.7	22.7	89	97	70	66	74	77	5.1
24	58.05	58.47	59.15	57.43	57.63	58.68	24.7	23.6	28.7	30	28.5	28.2	31.2	22.5	94	94	76	71	78	80	------
25	57.47	57.96	57.92	56.38	56.07	56.79	27.9	24.2	29	30.5	28.9	24.8	30.7	22.4	78	94	71	58	70	86	------
26	55.01	54.28	54.62	51.77	51.44	51.31	24	25.2	31.4	33.1	28.9	27.6	35	22.8	91	88	60	55	71	76	------
27	50.22	50.25	51.05	49.97	50.47	52.52	27.2	27.3	29.2	28.5	26.7	27.2	29.5	25.3	83	82	70	75	79	80	.5
28	52.14	52.99	54.45	53.14	54.58	55.94	27.5	27.2	28.6	28.8	25.8	25.3	29.5	23.6	73	73	70	76	84	88	12
29	55.58	55.72	57.65	56.43	56.56	57.47	25.2	24.6	25.8	27.1	25.3	24	28	22.7	87	87	84	78	83	91	4.3
30	56.60	56.56	57.57	55.98	56.51	57.85	26.2	27.4	30	30.7	29	27.3	31.8	25	82	75	68	61	77	75	------
Mean	56.68	56.70	57.50	55.81	56.29	57.63	25.8	25.3	29.6	30.4	28.3	26.7	31.7	23.6	85.9	87.1	70.1	68.1	76.6	83.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	87.6

Day.	Wind.										Clouds.				
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1	SW	SW	SW	SW	W	SW	85.6	81.6	108.4	61.7	337.3	10	Ci.-S.	S. SW	9	Ci.	Cu. WSW
2	Calm	SW	WSW	WSW	SW	SW	44.3	82.3	96.1	42.9	265.6	9	Ci. NE	S.	4	Ci.	Cu. W
3	SW	W	SW	SW	SW	SW	61.4	94.1	86.6	37.3	279.4	3	Ci. E	----------	4	Ci.	Cu. W
4	W	Calm	SW	SW	Calm	SW	46.5	61.2	78.7	44.3	230.7	8	Ci. E	----------	8	Ci. E	Cu. W
5	SW	SW	WSW	NE	Calm	SW	53.3	45.4	53.1	39.4	191.2	10	Ci.-S.	----------	9	Ci.	Cu. W
6	SW	SW	WSW	Calm	SW	SW	65.5	54.7	37.8	43.3	201.3	7	C. SE	S.	9	Ci.	S.-Cu.NW
7	SW	SW	NW	NW	NE	NE	54.1	73.4	121.5	89.8	338.8	3	Ci.	Cu.	8	Ci.-S. SSE	Cu.-N. E
8	NE	NE	Calm	NE	NE	N	80	58.5	143.5	92.8	374.8	8	A.-Cu. ENE	S.-Cu. NE	9	A.-Cu. E	S.-Cu. NE
9	NW	N	NE	NE	NE	NE	56.6	81	124.4	93.8	355.8	7	A.-Cu. E	S.-Cu. ENE	8	Ci.	S.-Cu. E
10	NE	NE	NE	NE	NE	NE	57.9	88.8	160.4	-----	------	4	A.-Cu. E	S.-Cu. NE	4	Ci.	Cu. NE
11	N	N	NW	N	N	NE	109.1	90.7	159.1	112.1	471	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	N. NE
12	NE	Calm	NW	NW	NW	N	65.2	78.7	136.2	56	336.1	6	Ci. E	S.-Cu. NE	9	Ci.	S.-Cu. N
13	Calm	SW	NW	NW	NE	NE	33.5	81.3	134.7	80.3	329.8	5	Ci. E	Cu. NE	4	Ci.	Cu. NE
14	N	SW	NW	NW	NE	SW	67.1	78.1	102.5	51.8	299.5	9	Ci.	N. NE	9	Ci.-S. ESE	Cu.
15	SW	SW	SSW	NNW	SW	SW	69.4	51.2	53.6	45.6	219.8	10	Ci.-S. NE	S.	9	Ci.-S. ENE	Cu. NW
16	WSW	W	SW	SW	SW	SW	63.3	99.3	145	141.6	449.2	8	A.-Cu. E by N	----------	10	Ci.-S.	S.-Cu. W
17	SW	SW	SW	SSW	SW	SW	139	108.8	98.2	45.9	391.9	10	Ci.-S.	S.-Cu. SW	9	Ci.-S.	S.-Cu. W
18	WSW	SW	SW	SW	SW	S	53.6	-----	76.2	49.4	------	10	Ci.-S.	N. SW	10	Ci.-S. SE	S.-Cu. SW
19	S	S	S	S	Calm	SW	50.2	67	58.4	55	230.6	9	Ci.	S.-Cu. SW	10	Ci.-S.	S.-Cu. S
20	Calm	SW	S	S	SW	SW	28.2	45.1	61.4	35.1	169.8	10	Ci.-S.	S.	8	A.-Cu. W	Cu. S
21	SW	SW	Calm	NW	SW	SW	45.6	41.5	82.9	70	240	4	Ci.-Cu. SW	Cu.	7	A.-Cu. NW	Cu. NW
22	N	SW	N	N	NE	E	56.1	55.2	86.7	66.3	264.3	10	Ci.-S.	S.-Cu. NW	4	Ci.	Cu. NE
23	SW	SW	E	NW	NE	ENE	51.5	36.5	96.9	61	245.9	4	Ci.	Cu.	3	Ci.	Cu.
24	SW	SW	NW	N	NE	N	46.9	62.5	96.3	99.6	305.3	3	Ci.-Cu.	Cu.	6	Ci.-S. SE	Cu. N
25	NW	SW	N	N	Calm	SW	71.1	103.2	83.4	69	326.7	6	Ci.	S.-Cu. NNE	4	Ci. NE	Cu.
26	SW	SW	WSW	SW	WSW	SW	69.8	74.5	94.8	142.4	381.5	10	Ci.-S. NE by E	S.	10	Ci.-S.	S.-Cu.NW
27	SW	SW	SW	SW	SW	SW	142.7	216.8	207.4	165.5	732.4	10	Ci.-S.	S.-Cu. WSW	10	Ci.-S.	S.-Cu. SW
28	SSW	SSW	SW	SSW	SW	SW	116.7	125.2	115.9	86.7	444.5	10	Ci.-S.	S. SSW	10	Ci.-S.	S.-Cu. S
29	SW	S	SW	WSW	Calm	SW	77.9	68.7	63.1	32.8	242.5	10	Ci.-S.	S.-Cu. S	10	Ci.-S.	N. SW
30	W	SSW	S	SW	Calm	S	93	83.9	-----	-----	------	10	Ci.-S.	S.-Cu. SW	8	Ci.-S.	Cu. SW
Mean	------	------	------	------	------	------	68.5	78.9	102.2	71.8	320.6	7.8	----------	----------	7.7	----------	----------

ATIMONAN.

[$\phi = 14° 00'$ N; $\lambda = 121° 55'$ E; barometer above sea, 4.1 meters; gravity correction not applied, —1.74 mm.]

OCTOBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.08	57.69	58.51	56.45	57.25	59.57	27	26.8	30.8	32.4	28.9	26.2	34.1	23.3	78	78	60	58	77	90	------
2	58.92	59.66	60.57	58.84	59.70	61.34	24.4	24.4	30	28.2	28.5	25.4	32	22.3	96	95	77	74	85	95	2.5
3	59.75	60.23	60.91	59.17	59.18	60.51	23.9	23.4	29.4	30.4	28.4	28	31.5	22.4	98	97	76	68	79	81	------
4	59.14	59.26	60.20	57.76	58.39	59.70	27.5	27.2	31.4	30	29	24.6	32.7	23.3	82	83	67	67	71	91	------
5	58.71	58.84	59.77	57.55	57.87	59.70	24	23.8	29.4	30	28.9	25.6	32	22.6	93	95	76	73	76	91	------
6	58.80	58.91	59.92	57.94	59.10	60.80	24.8	24.2	31.2	29.8	25.2	24.1	32.6	22.8	91	94	71	73	89	95	------
7	59.42	59.64	60.97	58.98	59.64	61.16	23.4	23.4	29.8	29.7	28.7	28	31.2	22.4	96	97	71	71	72	77	------
8	59.89	60.45	61.47	59.86	60.23	61.82	27.2	27	31.5	30.7	28.5	27.8	32.9	26	78	80	65	62	76	75	------
9	60.88	60.87	61.84	59.56	59.89	60.72	27.5	27.7	27.7	28.3	28.1	27.7	30.2	24.8	76	78	84	77	82	84	7.2
10	59.92	60.05	61.66	59.36	59.14	60.12	26.6	26.7	27.9	29.6	27.7	27.7	30.4	25.2	86	86	82	76	82	79	17.8
11	59.37	59.44	59.89	58.41	58.87	59.73	26	26.3	29	29.6	28	27.6	30.4	24	89	89	77	73	78	80	------
12	59.03	58.96	59.89	57.93	58.46	59.77	27	27.1	29.8	29.7	28.4	27	31.3	24.7	79	80	69	68	77	83	15
13	59.15	59.57	60.27	57.85	58.90	59.97	25.5	25.9	26.8	27.4	27.7	27.3	28.6	24.5	92	90	86	83	77	78	8.7
14	59.68	59.14	60.07	58.09	58.78	60.02	26.3	26.6	29.3	29	28	27.6	31.4	25.7	82	82	72	76	79	80	------
15	58.70	59.10	60.14	58.62	59.32	60.60	26.4	26.7	27.3	27.9	25.3	25.6	29.3	24.1	87	83	84	83	93	92	22.1
16	59.97	59.69	60.49	58.62	59.16	60.54	25.4	25.8	28.6	27.8	26.5	26.8	30.8	23.9	92	89	77	78	83	85	------
17	59.22	60.40	61.22	58.83	59.63	60.75	26	25.2	27.2	27.9	27.7	27.3	28.5	24	85	90	83	78	81	84	9.4
18	60.54	60.69	62	60.12	60.83	62.25	26.2	25.6	27.7	28.7	27.8	25.9	30	24.7	84	88	78	76	80	91	22.4
19	60.78	60.70	61.39	59.64	60.09	61.30	27	26.8	29.2	27.4	27.4	27.1	29.4	24.4	78	77	72	77	72	75	12.9
20	60.34	59.80	61.04	58.82	59.84	61.48	26.7	26.6	28.6	28.8	27.2	26.3	29.4	24.4	71	71	67	71	74	77	1.3
21	60.47	60.42	61.75	59.91	60.78	62.25	26.6	26.4	26	28.4	27	26.7	28.7	25	77	78	84	73	71	71	2.5
22	61.12	61.35	62.67	60.89	61.21	62.45	26.2	25.7	28.8	29.2	27.2	26.4	29.7	25	82	84	71	64	73	78	1
23	61.39	61.93	62.90	60.94	61.20	62.09	25.7	24.2	26.6	26	26.6	26.5	28.5	23.5	78	82	80	83	80	80	1.5
24	61.39	61.65	62.72	60.57	60.92	62.34	24.9	24.8	29.7	28.7	24.4	23.9	30.7	22.2	87	88	63	71	90	92	15.2
25	61.39	61.95	63	60.92	61.15	61.99	24.6	23.4	27	28.8	27	26.4	29.4	22.7	91	92	80	71	76	76	------
26	60.97	61.69	63.10	60.61	61.12	62.73	26	23.5	25.2	28.2	27.4	26.9	29.4	23	81	90	89	79	78	80	.5
27	62.03	62.08	62.66	60.71	61.37	62.94	26.2	25.8	29.8	29.9	27.3	26.5	30.7	23.2	82	81	67	62	72	76	------
28	61.61	62.23	63.32	61.29	61.66	62.82	23.2	24.6	28.5	28.7	27.6	26.6	29.4	21.7	90	79	64	69	72	79	2.5
29	61.69	62.13	63.14	61.27	61.70	62.40	26.2	25.2	25.7	27.4	26.4	27	28.1	24	82	89	88	81	82	81	18.2
30	61.21	61.75	63.03	60.81	61.15	62.30	25.8	23.8	27.6	28.6	27.4	26.6	28.8	23	81	93	80	73	78	83	4.4
31	60.95	61.19	61.94	59.69	60.45	61.53	26.8	26.7	27.9	28.1	27	26.7	29	25.1	82	83	78	80	83	84	4.8
Mean	60.09	60.37	61.37	59.36	59.90	61.22	25.8	25.5	28.6	28.9	27.5	26.6	30.4	23.8	84.7	85.8	75.4	73.2	78.6	82.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	169.9

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p.m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10.*			*0–10.*		
1	SSW	S	SSE	S	SW	Calm	70.2	73.2	65.4	30.4	239.2	9	Ci.-S. NE	S.	8	Ci.	Cu. SW
2	SW	SW	SE	Calm	Calm	SW	41.5	29.6	-----	55.7	------	9	Ci.-S. SE	S.-Cu. S	7	Ci. ENE	S.-Cu. SE
3	SW	SW	NW	N	N	NE	-----	-----	87.1	84.5	------	8	Ci. NE	Cu. NE	3	Ci.	Cu. NE
4	NE	E	Calm	NW	N	SW	56.9	34.1	91.4	57.3	239.7	2	Ci.	Cu. NE	2	Ci.	Cu.
5	WSW	SW	N	N	SW	SW	71.4	41.2	73.7	57.1	243.4	8	Ci. NE	Fr.-Cu. NE	9	Ci. NE	Cu.-N.
6	W	W	Calm	N	SW	SW	55.2	34.8	62.8	66	218.8	4	Ci. ESE	Cu.	8	Ci.	Cu.-N. SE
7	SW	SW	NE	NW	N	NE	56.3	51.8	111.5	86.3	305.9	5	Ci.	Cu. NE	5	Ci.	Cu. NE
8	E	ENE	NE	NE	NE	NE	56.9	66.5	142.9	148.1	414.4	3	Ci.	Cu. N	3	Ci.	Cu. NE
9	NE	N	NE	N	N	NE	129.7	146.4	184.7	164.5	625.3	7	Ci.	S.-Cu. NE	9	Ci.-S.	S.-Cu. NE
10	NE	N	NE	N	N	NE	162.3	193.1	183.8	147	686.2	9	Ci.	S.-Cu. NE	7	Ci.-Cu. E	Cu. NE
11	E	NE	NE	N	NE	N	106.8	75.4	126.9	87.4	396.5	7	Ci.	S.-Cu. NE	5	Ci.	Cu. NE
12	NE	N	NE	N	N	NE	74.2	82.3	125.3	146.2	428	10	Ci.	S.-Cu. NE	5	Ci.	Cu. NNE
13	NE	NNE	NNE	NE	NE	NE	159.6	156.6	164.8	118.5	599.5	10	Ci.-S.	N. NE	9	Ci.-S.	N. NE
14	NE	E	Calm	NW	N	NE	57.6	38.4	108.3	93.3	297.6	2	Ci.	Fr.-Cu. NE	4	Ci.	Cu. N
15	N	N	NW	NNW	N	N	103.3	63	117.5	63.3	347.1	5	Ci.	Fr.-Cu. NE	9	Ci.	S.-Cu. N
16	N	N	NE	NW	N	NE	73.2	76.2	115.6	115.1	380.1	10	------	N. NE	9	A.-Cu. E	S.-Cu. E
17	NE	Calm	NW	N	N	NE	73.2	102.5	135	111.2	421.9	9	Ci.	S.-Cu. NE	6	Ci.	Cu. NNE
18	NE	NE	ENE	NE	NE	NE	118.8	114.3	212.1	174.6	619.8	10	Ci.	S.-Cu. NE	10	Ci.-S.	S.-Cu. NE
19	NE	ENE	NE	NE	NE	NE	212.4	221.7	248.1	232.8	915	6	Ci.	Cu. NE	9	A.-Cu.	S.-Cu. NE
20	NE	NNE	NE	NE	NE	NE	226.9	217.6	215.8	198	858.3	2	Ci.	Fr.-Cu. NNE	9	Ci.-Cu. NE	S.-Cu. NE
21	NE	N	N	NE	NE	NE	187.7	188.3	208.9	150.5	735.4	6	A.-Cu. NE	S.-Cu. NE	7	Ci.-Cu. NE	Fr.-Cu. NE
22	NE	N	NE	NE	NE	NE	131.5	149.1	135.8	100	516.4	4	Ci.	S.-Cu. NE	5	A.-Cu. NE	Cu. NE
23	N	NW	NW	NW	N	E	91.1	93	135.8	89.9	409.8	7	A.-Cu. NNE	S. N	8	A.-Cu. NE	S.-Cu. N
24	Calm	ENE	NE	E	SW	SW	42.4	59.8	44.9	48.8	195.9	10	Ci.	S.-Cu. NE	9	A.-Cu.	S.-Cu. E
25	NE	SW	NW	NW	NE	NE	60.1	79.9	129.7	94.8	364.5	9	Ci.	S.-Cu. E	7	Ci.	Cu. NE
26	E	SW	N	NW	NE	NE	63.1	44.5	116.2	115.6	339.4	3	Ci.	Cu.	8	Ci.	Cu. NE
27	E	E	NE	NE	NE	E	66.3	67.1	123.3	47.5	304.2	6	Ci.	S.-Cu. NE	4	Ci.	Cu. NE
28	SW	NE	N	NE	NE	N	48.8	75.1	132.3	98.7	354.9	1	Ci.	Cu.	9	A.-Cu. ENE	S.-Cu. NE
29	NE	NNE	NE	E	E	NE	-----	115.9	111.6	105.2	------	10	Ci.	S.-Cu. NE	10	Ci.	S.-Cu. NE
30	NE	NE	NE	NNE	NE	NE	68.9	108.8	174.4	125.8	477.9	10	Ci.	N NE	4	Ci.	Cu. NE
31	NE	NE	NE	NE	NE	NE	155.3	147.9	154.5	125.3	583	9	Ci.	S.-Cu. NE	9	A.-Cu. NE	S.-Cu. NE
Mean	------	------	------	------	------	------	97.3	98.3	134.7	107.7	447.1	6.8	------	------	7	------	------

ATIMONAN.

[$\phi = 14° 00'$ N; $\lambda = 121° 55'$ E; barometer above sea, 4.1 meters; gravity correction not applied, —1.74 mm.]

NOVEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.55	60.52	61.62	59.34	59.85	61.42	26.7	26.6	29	29.2	27.2	27	29.9	25	83	85	74	70	77	77	1.3
2	60.78	61.20	61.69	59.59	60.14	61.78	26.6	26.5	28.5	28.5	27.3	27.4	29.2	25.3	74	73	66	70	78	74	------
3	60.74	60.65	61.89	59.62	60.23	61.65	27.2	26.9	28.4	27.8	27.1	26.8	28.5	25.5	75	79	71	72	76	72	4.6
4	60.73	60.70	61.44	59.24	59.14	59.89	26.5	25.5	27 2	27.8	26.5	26.4	28.5	24.7	72	76	72	65	69	70	------
5	58.89	58.72	59.08	57.30	57.35	58.20	26.4	25.9	26 9	27.7	26.8	22	28.9	20.5	63	65	60	60	64	87	------
6	57.59	57.39	58.21	56.33	56.71	58.01	21.7	20.6	27.8	28.4	25.7	23.3	29.8	20	84	92	63	60	79	88	------
7	57.43	57.58	58.70	57.06	58.79	60.45	23.1	23.4	28.4	28.6	26.9	26.6	29.9	22.4	88	87	72	65	78	77	------
8	59.27	60.65	61.78	60.27	61.28	62.34	26.3	26.3	27.3	28.1	26.7	26.6	29.4	25.4	73	75	70	68	75	76	------
9	61.97	62.83	63.69	61.86	62.72	63.60	24.9	24.9	27.2	28.5	26.4	25.8	29.3	24	86	86	75	69	76	78	1.6
10	62.98	63.19	64.06	62.34	62.67	63.78	25.7	25.2	25.4	27.7	25.8	25.6	27.9	24	75	78	80	68	70	67	3.8
11	62.28	62.69	63.48	61.66	62.09	62.98	25.2	25.4	28.4	28.3	26.4	25.6	29	24.4	70	69	55	62	70	77	------
12	62.44	62.44	62.92	61.09	61.79	63.18	25.3	25	28.8	28.6	26.7	26	29.5	24.2	73	73	63	63	75	79	------
13	62.22	62.37	63.03	60.96	61.28	62.54	26.2	26.1	27.8	26.1	27	26.7	29.1	25.2	78	79	66	86	76	78	1.3
14	61.50	61.84	62.52	60.23	61.50	62.55	25.6	25.6	28.5	28.5	27	26.6	29.1	23.7	78	75	72	73	73	75	------
15	61.19	61.62	62.54	59.88	60.12	61.74	26.4	26.3	23.8	27.3	27.2	26.7	27.9	23.3	77	78	94	81	83	86	5.3
16	60.32	60.82	61.73	59.88	60.44	61.84	26.5	26.4	27.8	27.3	27	26.8	28.7	25.5	82	81	76	81	80	81	3
17	60.89	60.83	61.70	59.63	59.85	60.78	26.4	26.4	26.8	26.7	26.7	26.2	29.2	24.5	80	79	83	89	85	86	3.6
18	60.17	60.70	62.02	59.83	60.44	61.60	26	25.8	25.8	27.8	27	25.8	28.2	23.8	82	81	89	77	76	85	1.9
19	60.79	60.73	61.75	59.39	60.05	60.92	25.6	25.7	26.7	27.7	26.4	26.2	28.3	24.4	83	78	83	79	80	84	7.9
20	59.84	59.81	60.44	58.29	59.01	60.30	25	25.2	26.7	26.6	26.1	26	27.7	24.1	92	90	86	84	87	88	14.2
21	59.02	59.15	59.77	57.73	58.02	59.34	25.8	25.1	26.8	27.3	26.3	26	27.5	24.2	87	91	84	80	82	86	3.8
22	58.82	58.91	60	57.90	58.06	58.98	25.9	25.8	27.4	27.7	26.7	26.4	29.1	25.4	82	81	78	79	81	84	------
23	58.71	58.79	59.75	57.98	58.60	59.38	25.6	25.9	26.9	27.9	26.9	26.3	29.3	24.9	88	85	77	77	80	82	------
24	58.86	59.20	60.43	58.61	59.79	60.95	26	25.5	27.4	27.5	26.8	26.5	28.7	25	83	86	78	81	82	82	------
25	60.33	60.65	61.67	59.91	60.39	61.48	26.4	26.2	28.8	28.8	26.7	26.4	29.3	25.4	81	81	71	71	77	76	------
26	60.67	61.63	62.72	60.38	60.93	62.12	25.9	25.6	28	28.8	26.8	26.2	29.4	25	80	80	70	67	72	74	------
27	61.79	62.06	62.85	60.38	61.19	62.10	25.4	25.3	28.3	28.5	26.4	26	29.5	24.3	75	76	65	68	73	76	------
28	61.54	61.48	62.45	60.31	61.34	62.82	25.5	25.7	27	27.9	26.5	26.2	29.4	23	79	78	77	71	74	79	------
29	61.82	62.08	62.63	60.42	61.20	62.05	26	25.7	27.8	27.6	26.2	26	28.8	25.3	80	82	71	71	75	76	------
30	61.07	61.37	62.60	60.46	60.84	61.45	25.9	25.9	27.9	28	26.7	26.5	28.7	25.3	78	78	71	74	78	79	------
Mean	60.51	60.75	61.64	59.60	60.19	61.34	25.7	25.5	27.4	27.9	26.7	26.1	28.9	24.3	79.4	79.9	73.7	72.7	76.7	79.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	52.3

Day.	Wind.											Clouds.						
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.			
												Amount.	Form and direction.		Amount.	Form and direction.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.	
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*			
1	NE	NE	NE	NE	NE	NE	128.1	163.2	-----	-----	------	9	Ci.	E	S.-Cu.	NE	3	Ci.	Cu.	NE
2	NE	NNE	NE	N	NE	NE	-----	199.9	-----	193.6	------	8	Ci.	E	cu.	NEbyE	8	Ci.	S.-Cu.	NE
3	NE	NE	NE	NE	NE	NE	199.6	236.8	264.7	261	962.1	7	Ci.		S.-Cu.	NE	9	Ci.-Cu.	S.-Cu.	NE
4	NE	NE	N	N	NE	NNE	240.4	268.8	-----	-----	------	10	Ci.		S.-Cu.	NE	8	Ci.	Cu.	NNE
5	N	N	N	N	NE	SW	-----	207	132.5	78.1	------	8	ci.-cu.	ENE	S.		8	A.-Cu.	S.-Cu.	NE
6	SW	SW	NW	N	SW	SW	77.2	68.1	76.2	67.3	288.8	9	Ci.-Cu.	E	S.		9	Ci.-Cu.	E	----------
7	Calm	SW	NW	N	NE	NE	53.3	65.2	81.5	70.5	270.5	10	Ci.-S.		S.-Cu.	N	10	Ci.-S.	E	Cu. N
8	N	N	N	N	NE	NE	93.3	103.3	85.3	93.8	375.7	10	Ci.-S.		S.		8	A.-Cu.	W	Cu.
9	Calm	E	NE	NE	NE	E	63.3	101.4	152.3	120.1	437.1	10	Ci.		S.-Cu.	NE	8	Ci.	N	Cu. NE
10	ENE	EbyN	NE	NE	NE	NE	101.2	159	182.7	159.8	602.7	10	Ci.		S.-Cu.	NE	6	Ci.		Cu. NE
11	ENE	E	NE	NE	NE	NE	121.5	134.2	176.2	120.7	552.6	4	A.-Cu.	NNE	Fr.-Cu.	NE	2	----------		Cu. NE
12	E	NE	NE	NE	NE	E	102.4	122.3	192.5	136.2	553.4	1	Ci.		Cu.	NE	1	----------		Cu.
13	ENE	NE	NE	NE	NE	NE	115.1	139.4	197.7	200.1	652.3	8	A.-Cu.	E	S.-Cu.	NE	10	Ci.		N. NE
14	NE	NE	NE	NE	NE	NE	208.4	198	233.2	204.4	844	8	ci.-cu.	ENE	S.-Cu.	NE	5	----------		Cu. E
15	NE	NE	N	NE	NE	NE	207.8	154	184.3	167.6	713.7	5	Ci.		S.-Cu.	NE	10	Ci.		N. NE
16	ENE	NE	NE	NE	NE	NE	170.3	216.3	222.6	217.8	827	4	Ci.		Fr.-Cu.	E	9	A.-Cu.	E	S.-Cu. NE
17	NE	NE	NE	NE	NE	NE	224	189.7	205.5	160.1	779.3	9	Ci.		S.-Cu.	NE	9	Ci.-Cu.		S.-Cu. NE
18	NE	NE	NE	NE	NE	NE	145.3	180.8	235.2	184.8	746.1	9	A.-Cu.	E	S.-Cu.	NE	6	Ci.		Fr.-Cu. NE
19	NE	NE	NE	NE	NE	NE	158.5	155.8	220.3	215	749.6	9	Ci.		S.-Cu.	NE	9	Ci.-Cu.		S.-Cu. NE
20	NE	NE	Calm	NE	NE	NE	191.5	114.8	148.3	139.4	594	10	----------		N.	NE	10	A.-Cu.		N. NE
21	NE	NE	NE	NE	NE	NE	136.2	141.3	186.1	151.8	615.4	7	Ci.		S.-Cu.	NE	8	A.-Cu.	E	S.-Cu. NE
22	NE	NE	N	N	N	NE	130.4	120.1	157.5	110.5	518.5	3	Ci.		S.-Cu.	NE	5	----------		Cu. NE
23	NE	NE	NE	NE	N	NE	54.7	86.3	110	70.8	321.8	7	A.-S.		S.-Cu.	NE	5	A.-Cu.	NE	Cu. NE
24	NE	NE	N	N	NNE	N	57.7	88.3	131.7	88.5	366.2	1	Ci.		Cu.		5	----------		Cu. N
25	N	NE	NE	NE	NE	NE	14.8	132.2	186.7	154	587.7	5	Ci.		S.-Cu.	NE	5	Ci.		Cu. NE
26	NE	NE	NE	NE	NE	NE	102.8	128.7	179.1	120.2	530.8	1	----------		Cu.	NE	1	----------		Cu.
27	E	NE	NE	NE	NE	NE	89.3	124.7	135.8	74.2	424	1	Ci.		S.		3	Ci.		Cu. NE
28	NE	N	N	N	N	NE	94.3	129.2	114.3	118.9	456.7	9	----------		S.-Cu.	NE	3	Ci.		Cu.
29	N	N	NE	N	NE	NE	136.8	166.8	194.2	157.1	654.9	4	A.-S.		S.-Cu.	NE	5	----------		Cu. NE
30	NE	NE	NE	NE	NE	NE	146.7	217.8	208.2	214.9	787.6	7	Ci.		S.-Cu.	E	9	Ci.-Cu.		S.-Cu. NE
Mean	------	------	------	------	------	------	130.9	150.4	170.2	144.7	585.1	6.8	----------		----------		6.6	----------		----------

ATIMONAN.

[$\phi = 14° 00'$ N; $\lambda = 121° 55'$ E; barometer above sea, 4.1 meters; gravity correction not applied, —1.74 mm.]

DECEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.84	60.97	62.18	60.44	60.45	61.64	25.9	26	28	26.5	26.5	25.2	28.8	23.8	81	80	73	80	79	90	5.3
2	60.68	60.28	61.52	59.84	60.08	61.35	25.6	25.8	27	25.2	25.1	26.1	27.9	24.4	85	82	78	86	89	82	3.4
3	60.30	60.94	61.89	59.72	59.99	60.94	25.5	25.5	27.5	27.9	26.7	26.5	28.8	24	85	83	76	72	78	79	4.6
4	59.79	60.29	61.23	58.86	59.19	60.25	25.9	24.5	25.4	25.6	25.9	26	26.8	23.4	85	92	92	89	86	89	8.7
5	59.90	60.23	60.78	58.98	59.62	60.30	25.7	25.8	28.4	28.6	26.9	25.9	29.2	24	88	84	75	73	79	85	------
6	59.06	59.29	60	57.98	58.25	58.99	26	26.2	27.9	28.6	26	25.8	28.7	24.3	83	81	75	70	84	85	4
7	58.12	58.22	58.78	57.28	57.01	56.81	25.8	26	26.8	27	26.7	23.3	27.7	22.1	82	76	75	68	71	84	------
8	56.31	55.53	56.88	55.68	56.70	57.38	22.6	24.5	28.4	28.5	27.5	26.7	29.6	21.9	87	81	70	67	66	71	------
9	57.50	57.35	57.89	55.95	56.66	57.98	25.5	25.4	29.5	30.5	26.8	26.5	31.2	24.5	84	86	61	61	80	85	------
10	57.12	57.92	57.56	55.43	56.33	57.34	25.7	24.5	29.7	31	27.2	26	32.2	23.8	86	89	66	57	80	88	------
11	56.49	57.57	58.47	56.31	57.24	58.80	25.6	24.1	27.9	28.8	27.8	26.4	30.4	23.4	87	91	85	76	75	82	------
12	58.22	59.40	60.71	59.04	59.78	61.07	24.9	24	29	26.7	27	26.9	30.7	23.4	90	95	77	86	84	83	2.3
13	60.70	60.93	61.87	59.48	60.33	61.97	26	25.9	28.4	28.8	26.9	26.3	29.6	25.2	81	80	75	71	79	70	------
14	61.46	61.28	62.08	59.84	60.64	61.97	25.9	25.4	27.5	28.3	26.9	26.5	29	24.5	69	77	70	68	74	72	------
15	61.79	61.57	62.62	60.82	61	62.19	24	26.2	27	27	26.5	26.4	27.5	23	91	76	78	78	80	77	8.4
16	61.37	61.53	62.88	60.78	61.59	63.08	25.4	25.4	27.2	26	25.5	25	28	23.7	88	88	81	91	93	93	15.5
17	61.99	62.30	63.03	60.84	61.75	63.37	23.9	22	27	29	26.9	26.6	30.4	21.3	88	96	73	73	80	80	------
18	63	63.03	64.29	62.24	62.64	63.60	25.6	25.5	27.3	28.2	26.5	26	29	24	86	87	75	71	78	80	1.5
19	63.03	62.69	63.32	60.94	61.09	62.40	25	24.8	28.5	27	27	26	28.9	23.9	89	88	77	82	81	84	------
20	61.90	61.97	63.54	61.94	63.03	63.95	26	26	25.7	27.4	25.8	26	28	24.6	84	84	90	80	87	84	1.3
21	63.18	63.13	64.39	62.66	63.24	64.28	25.6	25.2	28	27.4	27.1	25.8	30.3	24.4	84	87	76	76	73	78	------
22	63.31	63.76	64.43	62.14	62.47	63.47	24.9	25.4	26.8	27.4	26.3	26	28.6	22.8	84	83	77	77	78	81	1
23	63.09	63.51	64.35	62.34	63.15	63.32	25.4	25.5	27	28.6	26.8	26.1	29	24.7	77	76	78	73	74	76	------
24	63.23	64.53	64.82	62.74	62.97	63.08	25.9	25.8	27.4	27.4	25.4	25.3	29	24.6	77	74	71	73	82	83	.8
25	62.54	62.59	63.39	61.36	61.90	62.47	25.1	25.1	27.4	28.4	26	25.7	29.2	24	85	86	70	70	81	77	------
26	61.90	62.09	62.64	60.03	60.84	62.37	25.4	25	27	28.2	26.5	26.1	29	24.5	77	76	76	68	74	77	------
27	61.62	61.78	63.13	60.89	61.45	62.54	26	25.4	26	28	26.6	25.7	28.5	24.5	78	80	76	70	73	77	.5
28	61.38	61.64	62.85	59.84	60.73	61.92	25.4	25.2	27	28.4	26.5	26	29.9	24.3	84	85	77	66	74	78	------
29	60.96	60.99	62.03	59.93	61.10	61.33	25	25.1	27.9	27.4	26.2	25.8	28.8	24.2	80	80	68	70	76	78	.3
30	60.19	60.80	61.79	59.53	60.44	61.80	25.4	25	28	28.5	26.4	26	29	24.3	77	80	70	67	77	77	------
31	60.99	60.93	61.58	58.97	59.94	61.23	25.5	25.5	27.1	29	27	25.9	29.6	24.6	81	81	77	68	76	78	------
Mean	60.71	60.94	61.84	59.77	60.37	61.39	25.4	25.2	27.5	27.9	26.5	26	29.1	23.9	83.3	83.4	75.4	73.5	78.7	80.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	57.6

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	NE	NE	NE	NE	NE	191.3	174.1	182.7	118.8	666.9	8	A.-S.	S.-Cu. NE	9	A.-Cu. NE	S.-Cu. NE
2	NE	NE	NE	NE	NE	NE	122.5	176.8	191.7	154.7	645.7	4	------	S.-Cu. NE	10	------	N. NE
3	NE	NE	NE	NE	NE	NE	130.4	141.6	189.1	157.7	618.8	8	Ci.	S.-Cu. NE	7	Ci.	Cu. NE
4	NE	NE	N	NEbyN	N	N	129.3	83.1	146.4	123.3	482.1	10	Ci.	S.-Cu. NE	10	Ci.	N. NE
5	NE	E	NE	NE	N	NE	92.8	-----	-----	140.5	-------	4	Ci.	S.-Cu. NE	4	Ci.	Cu. NE
6	NE	NE	NE	NE	NE	N	133.1	173.8	-----	-----	-------	10	Ci.-S.	S.-Cu. NE	8	Ci. SE	Cu. NE
7	N	NNE	N	N	NNW	SW	-----	-----	187.3	57.7	-------	9	Ci.-S.	S.-Cu. NE	10	Ci.-S.	S.-Cu. NNE
8	SW	SW	SW	SW	S	SW	51.5	122.3	97.7	91.2	362.7	10	Ci.-S.	S.	10	Ci.-S.	S. W
9	SSW	S	S	SW	S	SW	56	79.9	86.9	65	287.8	4	Ci.-Cu.	Cu. S	4	Ci.	Cu. SW
10	SW	Calm	SW	SW	S	SW	30.6	59.5	75.1	35.9	201.1	3	Ci.	S.-Cu. SW	4	Ci.	Cu. SW
11	Calm	Calm	Calm	N	NE	Calm	25.2	24.6	71.9	42	163.7	2	Ci.	S.	3	Ci.	Cu.
12	W	W	Calm	E	NE	NE	41.8	37.5	79.4	111.3	270	8	A.-Cu. E	S.	9	A.-Cu. E	S.-Cu. NE
13	NE	NE	NE	NE	NE	NE	90.3	104.1	199.4	150.7	544.5	1	Ci.	S.	4	Ci.-Cu.	Cu. NE
14	NE	NE	NE	NE	NE	NE	96	119.4	213.9	223.2	652.5	1	Ci.	S.	5	------	Cu. NE
15	NNE	NE	NE	NE	NE	NE	196.6	-----	237.2	-----	-------	10	Ci.-S.	S.-Cu. NE	10	Ci.	S.-Cu. NE
16	NE	NE	NE	NE	E	E	135.8	122.8	103.3	24.6	386.5	5	Ci.-Cu. E	S.-Cu. NE	10	Ci.	N. NE
17	Calm	SW	NE	NE	NE	ENE	32	41	166.4	128.2	367.6	3	Ci.	S.	5	Ci.	Cu. ENE
18	NE	NE	NE	NE	NE	NE	52.6	142.6	207.3	138.2	540.7	7	A.-Cu. E	S.-Cu. NE	3	Ci.	Cu. NE
19	NE	NE	NE	N	NE	NE	82.3	64.6	142.6	118.9	408.4	5	Ci.	S.-Cu. NE	9	A.-Cu. E	S.-Cu. NE
20	NE	NE	E	NE	NE	NE	122.6	152.4	149.7	167.7	592.4	10	Ci.-S.	S.-Cu. NE	10	A.-Cu.	S.-Cu. NE
21	NE	NE	E	NE	NE	NE	108.4	65.2	96.1	-----	-------	7	A.-Cu. E	S.-Cu. NE	4	Ci.	Cu. E
22	NE	NE	NE	NE	NE	NE	88.5	122.8	171.9	143.7	526.9	6	A.-S.	S.-Cu. NE	9	A.-Cu. NE	S.-Cu. NE
23	NE	NE	NE	NE	NE	NE	122.6	159.6	202.1	162.8	647.1	6	Ci.	S.-Cu. NE	3	A.-S.	Cu. NE
24	NE	NE	NE	NE	NE	NE	169.8	194.4	217.3	148.7	730.2	1	------	S. E	10	Ci.	S.-Cu. NE
25	NE	NE	NE	NE	NE	ENE	101.6	129.9	206.3	164.5	602.1	2	A.-S.	S.	4	Ci.	Fr.-Cu. NE
26	NE	NE	NE	NE	NE	NE	106.2	125.5	216.5	177.3	625.5	2	Ci.	S.	3	Ci.	Cu. NE
27	NE	NE	NE	NE	NE	NE	141	160.3	224.8	130.2	656.3	2	Ci.	S. NE	8	A.-Cu. ENE	Cu. NE
28	E	NE	NE	NE	NE	NE	103.2	125.5	196.6	137.9	563.2	7	Ci.	S.-Cu. NE	7	Ci. W	Cu. NE
29	NE	NE	NE	NE	NE	NE	95.8	124.7	180.8	159.3	560.6	8	Ci.	S.-Cu. NE	9	A.-Cu. E	Cu. NE
30	NE	NE	NE	NE	NE	NE	126	122.5	172.2	133.9	554.6	4	Ci.-Cu. ENE	Cu. ENE	5	Ci. WSW	Cu. NE
31	NE	NE	NE	NE	NE	NE	104.8	128.2	202.5	124.4	559.9	8	Ci.	S.-Cu. NE	4	A.-Cu. ENE	Cu. NE
Mean	------	------	------	------	------	------	102.7	117.1	166	126.2	508.4	5.6	------	------	6.8	------	------

PARACALE.

[$\phi = 14°\ 17'$ N; $\lambda = 122°\ 47'$ E; barometer above sea, 5.3 meters; gravity correction not applied, —1.73 mm.]

JANUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	61.19	62.22	62.65	61.12	61.60	61.64	25.3	24.5	26	27	25	23.5	28	21.8	81	87	80	77	80	87	------
2	60.35	61.09	62.05	60.01	61.12	61.76	21.4	20.2	27.5	28.5	24	21.7	29.3	20.1	96	98	74	69	88	95	------
3	61	61.83	62.89	61.23	61.83	62.48	21	22.5	27.8	29	25.6	23.5	29.8	20.5	95	90	65	65	75	88	------
4	61.56	62.19	63.17	61.23	61.96	62.41	25.6	26	24.5	24.8	26	25.6	27.5	24	86	88	96	90	89	92	18.7
5	61.42	62.10	62.74	60.41	61.39	62.14	25.5	24.6	27.6	29.8	26.3	26	30.2	24.4	92	97	84	77	90	92	.8
6	60.86	61.51	62.86	60.81	61.30	62.93	25.5	25.6	27.4	27.4	24.4	25.3	29.2	23.4	93	94	85	84	92	89	30.5
7	62.10	62.70	63.42	61.12	62.01	63.68	24.3	23.6	26.6	27.5	26	25.9	28.5	22.9	94	95	83	78	80	79	9.7
8	62.50	62.88	63.79	61.30	61.82	62.05	25.5	25.4	26.5	25.1	23.6	24.5	27	23.4	79	78	76	86	96	92	9.8
9	60.17	60.23	60.97	58.14	59.05	59.62	25	24.5	27.1	26	24.5	23.5	28.1	23	94	96	87	88	96	97	18.3
10	57.86	58.52	59.46	56.94	57.52	58.61	22.3	22.2	28.5	29	26	23.8	30.5	21.7	97	98	80	76	92	97	------
11	57.72	58.45	59.58	57.18	57.65	59.03	23	22	29	29.4	26.4	25.5	30.2	21.8	97	96	77	75	88	88	------
12	58.09	58.74	60.16	58.80	59.18	60.51	25.5	26	26	27.4	26	25.6	29	25.2	88	85	88	78	82	87	9
13	59.41	59.88	61.56	60.47	61.07	61.83	25.5	25	26.5	25.7	23.9	24	27.5	23.3	84	88	81	89	96	96	19.6
14	60.57	60.95	61.47	59.24	59.54	60.76	23	22.5	27.1	27.7	25.9	25	29.8	22.2	96	98	83	80	88	92	.5
15	59.26	59.72	60.57	58.54	58.79	59.68	23	22.6	26.6	26.5	25	25.4	28.2	22.1	97	99	87	84	89	84	3.8
16	58.75	59.47	61.07	59.42	60.19	60.98	24.6	24.5	26.8	27.1	25.3	24.6	29.2	23.8	86	87	78	77	82	87	3.1
17	59.75	60	61.18	58.89	59.74	60.87	22	21.1	25.1	28.5	25.3	24	29.8	20.9	96	99	91	71	87	96	------
18	60.03	60.74	61.39	59.33	60.22	61.36	22.5	21.4	27.5	27.5	24.9	22.2	29.5	21.1	97	96	74	77	88	98	------
19	59.88	60.47	61.94	60.27	60.78	61.67	25	25.5	27.7	27	25.7	25.5	28.6	22.3	88	84	76	73	76	80	------
20	60.65	60.60	62.29	60.78	60.83	61.89	25.1	25.5	27	28.5	25.9	25.5	29.7	25	80	78	77	70	77	80	14.2
21	60.68	61.13	61.76	59.81	60.28	61.56	25.5	23.5	26.5	29.5	26	25.6	30.2	23	80	93	84	71	84	84	4.1
22	60.44	61.19	62.05	59.31	59.87	60.63	25.1	23	24.5	28.5	24	23.5	29.2	22.5	87	96	89	78	96	96	34.5
23	59.60	59.55	60.28	57.93	58.59	59.27	25.5	25.5	27.4	26.2	25	23.1	28.9	23	84	84	79	86	92	98	20.9
24	58.71	58.47	59.70	57.37	58.35	59.98	22.9	23.6	24	23.5	23.1	23	24.8	21.5	97	95	93	96	97	93	106.9
25	58.88	59.40	60.75	58.53	58.51	59.69	23.1	23	24.7	26.7	25	23.9	28.5	22.2	94	96	86	79	90	94	70.5
26	58.72	58.71	59.61	57.30	57.62	58.55	22.6	22.5	26.7	29.2	26.4	24	29.7	22.1	96	96	86	78	89	97	.5
27	57.57	57.63	58.93	56.64	56.82	57.96	23	22.1	27	28.5	26.4	23.5	30	21.8	97	99	84	78	87	96	------
28	56.90	57.15	58.69	56.68	57.43	58.60	22.6	21.6	28.1	30	27	24.5	31.1	21.3	100	99	83	75	82	96	------
29	57.96	58.15	59.42	57.38	57.75	58.77	24.3	25.5	28	30	26.5	26	30.4	23.3	96	88	82	75	86	85	4.6
30	58.08	58.25	59.48	57.38	57.84	59.16	25.5	23	28.1	29	26.5	25.4	30.3	23	88	98	81	80	88	93	.3
31	58.05	58.40	59.41	57.69	57.63	58.30	23.5	22.5	28.5	29.6	27	24.5	30.8	22.3	96	98	79	74	84	96	------
Mean	59.64	60.07	61.14	59.07	59.62	60.59	24	23.6	26.8	27.7	25.4	24.4	29.1	22.6	91.3	92.7	82.2	78.5	87.3	91.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	380.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	ENE	E	ESE	ESE	E	Calm	86.9	86.9	59.5	25.7	259	10	Ci.-S.	S.-Cu. ENE	10	Ci.-S.	Cu. E
2	Calm	Calm	ENE	E	Calm	Calm	9.7	37	61.2	15.3	123.2	6	Ci.	Cu.	8	Ci.	Cu. E
3	Calm	E	NE	ENE	NE	Calm	20.1	78.9	77.2	37.8	214	4	Ci.	Cu. E	6	Ci.	Cu. E
4	E	E	ENE	Calm	ENE	Calm	111.8	100.6	68.4	49.1	329.9	10	Ci.-S.	S.-Cu. E	10	----------	Fr.-N. E
5	E	Calm	Calm	NE	ENE	Calm	40.2	27.4	60.4	41.8	169.8	10	Ci.-S.	S.-Cu. E	6	A.-Cu. E	Cu. E
6	ENE	ENE	ENE	ENE	Calm	ENE	53.1	110.2	104.6	105.4	373.3	10	Ci.-S.	Cu.-N. ENE	10	Ci.-S.	S.-Cu. ENE
7	E	E	E	ENE	ENE	ENE	92.5	132.8	165.7	164.1	555.1	10	----------	N. ENE	10	Ci.-S.	Cu. NE
8	ENE	NE	NE	ENE	ENE	NE	148.1	128.7	132.8	123.1	532.7	10	Ci.-S.	Cu. NNE	10	Ci.-S.	S.-Cu. NE
9	NE	NE	NE	Calm	Calm	Calm	80.5	61.2	22.5	10.5	174.7	10	----------	Cu.-N. NE	10	Ci.-S.	S.-Cu. E
10	Calm	Calm	E	NE	Calm	Calm	8	31.4	40.2	14.5	94.1	10	Ci.-S.	S.-Cu. NE	4	Ci.	Cu. NE
11	Calm	Calm	NE	NE	NE	NE	8	32.2	53.1	49.9	143.2	2	Ci.	Cu.	3	Ci.	Cu. NE
12	NE	NE	NNE	NNE	NE	NE	82.1	132	148.1	107.8	470	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	Cu. NE
13	NE	NE	NE	NE	ESE	ESE	114.3	132	82.1	64.4	392.8	10	Ci.-S.	S.-Cu. NE	10	----------	N. NE
14	Calm	W	NE	N	N	Calm	12.9	33.8	68.4	46.7	161.8	2	Ci.	Cu.	10	Ci.-S.	Cu. N
15	Calm	Calm	N	N	N	NNE	24.1	39.4	95	107.8	266.3	3	Ci.	Cu.	10	Ci.-S.	S.-Cu. N
16	NE	NE	NE	NE	E	E	75.6	96.6	80.5	60.4	313.1	10	Ci.-S.	S.-Cu. NNE	4	Ci.	Cu. NE
17	Calm	Calm	NE	NNE	Calm	SW	13.7	35.4	38.6	12.9	100.6	2	Ci.	Cu.	3	Ci.	Cu. E
18	Calm	Calm	Calm	NE	Calm	Calm	19.3	33.8	45.1	8	106.2	0	----------	Cu.	2	----------	Cu. E
19	NNE	NNE	NNE	NNE	NNE	NNE	72.4	114.3	99.8	88.5	375	5	Ci.	Cu. N	10	Ci.-S.	Cu. NNE
20	NNE	NNE	NNE	NE	NE	NE	96.6	103	82.1	62.8	344.5	10	Ci.-S.	Cu. NNE	3	Ci.	Cu. NE
21	ENE	E	ENE	ENE	ENE	ENE	64.4	51.5	77.2	49.1	242.2	10	Ci.-S.	S.-Cu. E	10	Ci.-S.	Cu. ENE
22	Calm	SE	Calm	ENE	SE	Calm	20.1	35.4	48.3	56.3	160.1	10	----------	N.	8	Ci.	Cu. ENE
23	ENE	NE	NE	NE	Calm	Calm	85.3	91.7	51.5	15.3	243.8	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	S.-Cu. NE
24	Calm	NE	NE	NE	NE	NE	62	135.2	135.2	101.4	433.8	10	Ci.-S.	S.-Cu. NE	10	----------	N. NE
25	NNE	NNE	NNE	NNE	ENE	Calm	90.1	146.4	69.2	91.7	397.4	10	----------	Cu.-N. NNE	6	A.-Cu.	Cu. NNE
26	Calm	Calm	ENE	NE	Calm	Calm	20.9	30.6	57.1	10.5	119.1	10	Ci.-S.	S.-Cu. E	3	Ci.	Cu. ENE
27	Calm	Calm	Calm	NNE	Calm	Calm	9.7	22.5	49.1	5.6	86.9	1	Ci.	Cu.	8	Ci.	Cu. NW
28	Calm	Calm	ENE	NE	NE	Calm	12.9	30.6	51.5	19.3	114.3	0	----------	Cu.	1	Ci.	Cu. E
29	Calm	ENE	ENE	ENE	ENE	ENE	15.3	68.4	77.2	57.1	218	7	Ci.	Cu. ENE	6	Ci.	Cu. ENE
30	ENE	Calm	E	NE	Calm	Calm	31.4	41.8	68.4	18.5	160.1	4	A.-Cu.	Cu. E	3	Ci.	Cu. E
31	Calm	Calm	NE	NE	Calm	Calm	17.7	33	60.4	11.3	122.4	2	Ci.	Cu.	4	Ci.	Cu. E
Mean	------	------	------	------	------	------	51.6	72.1	75.2	52.7	251.5	7	----------	----------	7	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	7,797.4	----	----------	----------	----	----------	----------

PARACALE.

[$\phi = 14°\ 17'$ N; $\lambda = 122°\ 47'$ E; barometer above sea, 5.3 meters; gravity correction not applied, —1.73 mm.]

FEBRUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.35	58.16	59.28	57.22	57.69	58.96	24	22.3	28.5	30	26.3	24	31.5	22	96	97	74	68	86	96	------
2	58.25	58.99	60.61	58.82	58.82	59.89	22.5	21.1	28.5	29.9	25.5	22.7	30.8	21	96	99	78	69	84	95	------
3	59.18	59.87	61.38	59.52	59.37	61.07	21.5	20.7	28.7	30.5	26.7	25	30.9	20.5	96	98	73	66	80	88	0.3
4	60.24	60.80	62.23	60.53	61.06	62.12	23.1	22.3	28.5	27	25.5	25.6	30.8	22	96	97	74	78	84	91	8.6
5	61.25	61.54	62.67	60.81	60.61	61.14	25.5	23.1	28.3	27	26	26	29.7	22.8	88	95	77	80	84	88	6.9
6	59.87	60.07	61.19	59.45	59.93	61.13	24.7	25	24	24.5	25	26	26.7	22.9	92	84	93	91	88	79	37
7	60.02	61.23	62.43	60.32	60.13	60.95	24.2	25.2	27.1	28	24.7	24	29.2	23	91	83	69	71	85	88	19.3
8	59.85	60.74	61.85	60.02	59.73	61.34	22.5	24.8	26.5	29	25.8	25.5	29.3	22.3	94	81	71	68	78	73	------
9	60.22	60.35	62.34	60.44	60.64	62.07	25.2	25.4	27	28	25	25.7	29.3	24.3	80	80	78	77	87	83	1
10	62.10	62.28	63.64	61.98	62.44	62.99	25.2	25.4	25.7	26.2	23.6	24.5	26.8	23	84	84	86	87	95	92	30.3
11	61.83	61.73	63.39	61.82	61.92	63.69	24.5	24.2	24	24	25	24	25.8	22.8	95	97	96	92	95	91	88.3
12	62.17	62.48	63.51	61.52	61.77	63.28	24.7	24.3	28.5	28	24.2	25.6	29.3	22.9	94	93	78	81	90	79	15.5
13	62.18	61.99	63.59	61.89	61.46	62.38	25	23.1	27.5	29	25.9	24.5	29.5	22.5	76	90	66	68	72	84	9.1
14	60.88	60.98	62.16	60.46	60.73	61.57	24.9	25.3	26.5	27.6	25.4	25.7	28.8	23.3	85	84	76	76	80	84	1.8
15	60.18	60.23	61.16	59.76	59.27	60.23	25.7	25	26.7	26	25.4	25.1	27.1	24	82	88	79	77	84	87	6.6
16	59.42	59.30	60.40	58.53	58.75	59.98	24.2	25.4	26.1	25.5	24.5	25	26.9	23.7	95	84	87	92	95	92	19.6
17	59	58.66	60.01	58.37	58.57	59.69	24.1	24.7	27	28	24.7	25.2	29.5	23.9	96	94	84	85	97	92	28.8
18	58.42	58.49	60.12	58.96	60.19	61.57	25	25.6	27	25.1	23.5	24.5	27.4	23	93	88	88	91	96	93	87.9
19	61.68	61.99	63.54	62.34	62.87	64.35	24.1	24	24.4	23.5	24.3	24.7	25.4	22.5	90	86	84	87	81	82	5.3
20	63.40	63.50	64.53	62.60	62.58	63.78	24.6	23.7	25.9	25.6	25.1	25	26.8	23	85	86	77	77	79	81	11.7
21	62.50	62.98	64.08	61.43	62.15	63.09	23.2	24	24	25	24.4	24.1	26.2	22.7	97	87	88	80	87	90	20.6
22	61.53	61.15	62.33	60.08	60.25	61.58	22.7	23.5	25	24.9	25	23.6	26.6	22.2	94	90	80	84	80	92	1.5
23	60.54	60.75	62.64	60.76	61.17	63	24	24.6	27.5	27.5	25	24.9	29.2	24.2	90	86	74	75	80	77	------
24	62.23	62.50	64.26	61.92	62.24	63.22	24.5	24.5	26.7	26	24	24	28	23.2	82	87	81	80	91	91	29.5
25	62	61.85	63.18	60.75	60.85	61.83	23.3	24.8	25.6	25.1	24.5	24	26.5	22.9	89	90	91	90	92	91	28.2
26	60.14	60.44	61.74	59.62	59.74	60.82	23	23	23.5	24	24	24.5	25.2	22.4	96	97	96	91	88	87	42.2
27	59.91	60	61.24	59.24	59.40	60.74	24.2	24.7	27.5	26	25.7	23	29.4	22.3	91	90	81	85	86	97	1.3
28	59.64	59.67	60.96	59.09	59.38	60.55	21.9	20.8	27.1	29.5	26.5	22.5	30.7	20.6	94	98	83	75	84	98	------
Mean	60.57	60.81	62.16	60.29	60.49	61.68	24	23.9	26.5	26.8	25	24.6	28.3	22.7	90.6	89.8	80.8	80	86	87.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	501.3

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	SE	NE	Calm	Calm	11	30	63.8	11.5	116.3	3	Ci.	Cu. E	1	Ci.	Cu.
2	Calm	Calm	Calm	NE	Calm	Calm	12.1	30.9	47.8	14.3	105.1	0	------	------	1	Ci.	Cu. E
3	Calm	Calm	NE	NE	E	E	14.3	33.8	58.7	25.1	131.9	3	Ci.	Cu. E	2	Ci.	Cu. E
4	Calm	Calm	NE	NE	Calm	NE	16.9	54.4	61.7	85.9	218.9	8	Ci.	Cu. NE	10	Ci.-S.	Cu. NE
5	NE	Calm	NE	Calm	NE	NE	95	53.7	71.8	104.4	324.9	8	Ci.-S.	S.-Cu. NE	10	Ci.-S.	Cu. NE
6	ENE	ENE	E	ENE	ENE	ENE	110.2	105.4	179.4	215.3	610.3	10	Ci.-S.	S.-Cu. ENE	10	Ci.-S.	S.-Cu. NE
7	ENE	ENE	ENE	NE	ENE	ENE	209	185.5	128.7	92.8	616	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	S.-Cu. NE
8	ENE	ENE	ENE	ENE	ENE	ENE	83.4	115.1	107.3	110	415.8	10	Ci.-S.	S.-Cu. ENE	5	A.-Cu.	Cu. E
9	ENE	NE	ENE	ENE	NE	NE	117.3	135.2	146.2	144.8	543.5	6	Ci.	Cu. NE	8	Ci.-S.	Cu.-N.NE
10	NNE	NNE	NNE	NNE	NE	NE	155.5	140.8	146.4	106.8	549.5	10	Ci.-S.	S.-Cu. NNE	10	Ci.-S.	Cu. NNE
11	NE	Calm	ENE	ENE	ENE	NE	98.2	107.8	72.7	92.5	371.2	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	Fr.-N. NE
12	ENE	ENE	ENE	ENE	ENE	ENE	99	86.1	129.8	181.8	496.7	10	Ci.-S.	S.-Cu. ENE	10	Ci.-S.	Cu. ENE
13	NE	NE	NE	NE	NE	NE	133.6	151.5	117.5	123.3	525.9	10	Ci.-S.	Cu. NE	5	Ci.	Cu. NE
14	NE	NE	NE	NE	NNE	NNE	113.5	130.2	104.4	98.5	446.6	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	Cu. NE
15	NNE	NNE	N	N	N	N	94.1	107.5	121.8	141.6	465	10	Ci.-S.	S.-Cu. N	10	Ci.-S.	S.-Cu. N
16	N	N	N	NNE	NNE	NNE	128.7	-----	-----	129.3	------	10	Ci.-S.	S.-Cu. N	10	Ci.-S.	S.-Cu. N
17	NNE	NNE	NNE	NNE	NNE	NNE	111	107.8	124.2	122.1	465.1	10	Ci.-S.	S.-Cu. N	10	Ci.-S.	Cu. NNE
18	NNE	NNE	NE	NNE	NNE	NNE	118.1	144.8	169.2	154.5	586.6	10	------	s.-cu. NNE	10	Ci.-S.	s.-cu.NNE
19	NNE	NNE	NNE	NNE	NNE	NNE	195.3	208.4	200.3	207.3	811.3	10	------	cu.-N. NNE	10	------	s.-cu.NNE
20	NNE	NNE	NNE	NNE	NNE	NNE	162.2	165.4	173	165.7	666.3	10	Ci.-S.	s.-cu. NNE	10	Ci.-S.	s.-cu.NNE
21	NNE	NNE	NE	NE	NE	NE	153.5	166.3	169.2	143.4	632.4	10	------	cu.-N. NNE	10	Ci.-S.	S.-Cu. NE
22	NNE	N	N	N	NNE	N	95	104.6	92.3	74.2	366.1	10	Ci.-S.	S.-Cu. N	10	Ci.-S.	S.-Cu. N
23	N	N	N	NNE	NNE	NNE	64.9	85.6	117.2	103.3	371	10	Ci.-S.	S.-Cu. N	10	Ci.-S.	Cu. N
24	NNE	N	N	N	N	N	82.6	115.4	127.1	104.4	429.5	10	Ci.-S.	Cu. N	10	Ci.-S.	Cu. N
25	NNE	NE	NNE	N	NNE	NNE	109.2	135.2	142.4	115.9	502.7	10	Ci.-S.	Cu. NNE	10	Ci.-S.	s.-cu.NNE
26	NNE	NNE	NNE	NNE	N	N	92.8	114.1	91.4	52.9	351.2	10	------	N. NNE	10	------	Fr.-N.NNE
27	N	N	NNE	N	Calm	Calm	65.2	79.1	60.6	25.1	230	10	Ci.-S.	S.-Cu. N	10	Ci.-S.	Cu. NNE
28	Calm	Calm	NE	ENE	Calm	Calm	11.9	31.6	55.7	10.7	109.9	0	------	Cu.	1	Ci.	Cu.
Mean	------	------	------	------	------	------	98.3	108.4	114.1	105.6	424.4	8.5	------	------	8.3	------	------

PARACALE.

[$\phi = 14°\ 17'$ N; $\lambda = 122°\ 47'$ E; barometer above sea, 5.3 meters; gravity correction not applied, —1.73 mm.]

MARCH, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.79	60.58	61.97	60.24	60.21	60.88	22	20.6	28.5	29	25.2	25	30.2	20.5	97	99	78	78	86	85	------
2	59.60	60.39	61.72	60.12	59.86	61.08	24.8	24.5	26.8	27.1	25.7	24.2	29.4	23.5	90	87	78	77	82	90	1.6
3	60.19	60.62	62.13	60.64	61.08	61.78	23	24	23	23.5	22	22.5	26.7	21.6	95	87	95	93	92	92	33.8
4	61	61.31	62.69	60.55	60.74	61.90	22.3	22	23	26.5	24.5	23.6	27.7	21.3	94	96	92	76	79	83	14.5
5	61.24	62.54	62.78	60.91	60.37	61.78	21.9	20.5	26.5	29	25	21.1	29.5	20	92	96	74	71	80	96	------
6	60.20	61.04	62.17	59.71	59.66	60.66	19.8	19.1	27	28	25.6	21	29.3	18.9	97	99	73	74	80	97	------
7	59.89	60.56	61.85	60.03	60.08	61.22	19.6	19	27.5	29.5	26	24	29.8	18.8	99	99	70	69	79	83	------
8	60.20	60.79	62.02	59.77	59.58	60.83	20.6	19.4	28.2	29.6	26.5	21	30.2	19.1	97	96	69	70	74	96	------
9	59.93	60.44	61.72	59.88	59.83	60.80	19.5	18.5	27.7	29.5	26.3	21.5	30.4	18.5	99	99	72	72	79	96	------
10	59.01	59.75	60.68	58.72	57.97	60.63	20.1	19	27.8	29.6	25.6	23.2	30.1	18.9	99	100	74	74	85	98	.5
11	59.05	59.50	60.61	58.41	59.42	59.96	22.5	25.1	26	26	25.4	26	27.3	22.4	99	95	96	96	98	96	233.5
12	59.15	59.88	61.63	60.75	60.97	62.07	25	24.1	24.1	25	25.1	24.7	26.3	23.4	96	100	96	92	95	98	110.7
13	61.34	61.66	63.03	60.66	60.53	61.44	23	22.4	28.5	28.6	26.1	25.5	30.4	22	100	100	78	87	91	94	1
14	60.33	60.70	62.06	59.91	59.37	60.54	23.6	23	28.9	30	26.8	25.8	30.8	22.5	100	100	81	78	87	90	.8
15	58.96	59.55	60.93	58.62	58.82	60.13	24.1	23.4	29	30.3	27.5	25.2	31.1	23.3	99	97	78	77	81	91	------
16	58.80	59.44	60.63	58.82	59.21	60.03	23.5	24	29	30.2	27	24	31.1	22.9	96	96	74	74	89	97	2.1
17	58.66	59.33	60.83	59.15	59.29	60.21	23.5	22.5	28.1	29.5	27.5	24.6	31.2	22.4	96	99	84	81	83	97	------
18	58.92	59.48	60.48	59.08	58.73	60.09	23.8	23	30	30.9	27.5	24	31.4	22.7	97	99	75	76	81	97	------
19	59.60	60.49	61.96	60.07	59.54	61.06	23	22.7	29.5	30.5	27.1	26.1	31.7	22.2	97	98	75	72	87	91	3
20	59.96	60.63	62.26	60.47	60.13	61.63	26	25.4	28.4	29.4	26.5	26.1	30.6	24.3	88	93	80	79	87	80	------
21	60.22	61.12	62.52	60.70	60.57	62.01	25.5	25	29	30.6	27.2	26	31.2	24.8	80	84	70	69	78	84	------
22	60.66	61.54	62.77	60.98	60.84	62.02	25.5	25.1	29	29.5	27	23.5	31.4	22.6	84	83	74	72	80	96	------
23	60.65	61.64	62.82	60.68	60.41	61.58	22.2	21.5	27.6	29.9	27	26	31.2	21.2	98	99	80	75	80	86	------
24	60.30	61.25	62.38	60.71	60.39	61.94	25.2	25.1	29.5	30.5	27	26.5	31.7	23.3	90	91	70	68	83	84	.5
25	60.38	61.06	62.28	60.47	61.48	62.70	26.1	25.5	29.4	29	27	24	31.3	22.6	85	84	73	73	80	91	48.7
26	61.45	62.32	64	61.78	61.90	63.54	25	23.5	23.5	26.5	24	23	27.8	22.4	90	94	96	77	91	96	33.3
27	62.56	62.79	64.63	62.69	62.39	63.30	24.3	24.5	23.1	24.5	24	25	26.8	22.2	81	87	95	94	96	97	62
28	61.80	61.93	63.32	61.58	61.82	63.19	25.1	24.5	29.5	29	27	26.2	30.4	23.4	94	96	81	77	84	86	5.5
29	61.94	62.21	63.61	62.10	62.06	63.51	26.1	26.2	27.6	28.8	26.7	26	30	25.5	85	82	78	79	83	88	------
30	62.12	62.36	63.36	61.40	61.22	62.54	25.9	25.8	28.5	29.8	26.8	25.9	30.8	25.2	88	88	83	73	77	80	------
31	61.10	60.48	61.53	59.53	59.38	60.27	25.2	25.3	28.5	30.5	26.5	26.1	30.8	25	85	84	74	66	80	83	------
Mean	60.29	60.88	62.17	60.29	60.25	61.46	23.5	23	27.5	28.7	26.1	24.4	30	22.2	93.1	93.8	79.5	77.1	84.1	90.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	551.5

Day.	Wind.										Clouds.				
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	NNE	NNE	NE	NE	14	36.4	------	37.8	------	1	Ci.	Cu.	10	Ci.-S.	Cu. N
2	NNE	NNE	NE	NE	NE	NE	68.4	92.5	71.4	91.7	324	10	Ci.-S.	Cu. NNE	10	Ci.-S.	Cu. NNE
3	NE	NE	E	ESE	E	Calm	88.7	92.8	82.4	33.2	297.1	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	S.-Cu. NE
4	E	E	E	E	ENE	ENE	99.3	48.1	61.7	57.3	266.4	10	------	N. ESE	10	Ci.-S.	Cu. E
5	Calm	Calm	ENE	E	ENE	Calm	11.8	47.3	77.5	15.3	151.9	10	A.-Cu. SW	Cu. E	2	Ci.	Cu. ESE
6	Calm	Calm	E	NE	Calm	Calm	17.4	35.9	68.2	10.7	132.2	1	Ci.	Cu. E	0	------	Cu.
7	Calm	Calm	E	NE	NE	ENE	16.4	53.9	59.3	54.5	184.1	8	Ci.-S.	Cu. NE	2	Ci.	Cu. NE
8	Calm	Calm	NE	NE	Calm	Calm	28.7	45.3	63.4	13.9	151.3	4	Ci.	Cu. E	3	Ci.	Cu. NE
9	Calm	Calm	NE	ENE	NE	Calm	13.7	33.6	68.7	10.7	126.7	4	A.-Cu.	Cu. E	9	Ci.-S.	Cu. E
10	Calm	Calm	NE	NE	Calm	Calm	13.1	37	47.5	15.6	113.2	3	Ci.	Cu. NE	9	Ci.-S.	Cu. NE
11	Calm	NNE	NNE	NNE	NNE	NNE	36.8	95.8	117.5	97.7	347.8	10	Ci.-S.	S.-Cu. NNE	10	------	N. NNE
12	NNE	NNE	ENE	ENE	ENE	Calm	150.8	100.3	86.4	18.8	356.3	10	------	N.	10	Ci.-S.	S.-Cu. ENE
13	Calm	Calm	NE	ENE	ENE	ENE	9.9	48	68.1	39.2	165.2	3	Ci.	Cu. E	3	Ci.	Cu. E
14	Calm	Calm	NE	NE	ENE	ENE	8.3	53.4	81.1	50.4	193.2	10	Ci.-S.	Cu. E	2	Ci.	Cu. NE
15	Calm	Calm	NE	NNE	E	E	16.9	53.4	78.7	38.9	187.9	10	Ci.-S.	Cu. E	4	Ci.	Cu. ENE
16	Calm	Calm	NE	ENE	Calm	Calm	7.8	48.9	57.6	16.7	131	10	Ci.-S.	S-Cu. E	3	Ci.	Cu. E
17	Calm	Calm	NE	ENE	ENE	Calm	9.7	40.4	73.7	19.9	143.7	0	Ci.	Cu.	4	Ci.	Cu. E
18	Calm	Calm	ESE	NE	E	Calm	14.5	53.6	68.1	18.3	154.5	5	Ci.	Cu. E	2	Ci.	Cu.
19	Calm	Calm	ENE	NE	ENE	ENE	10.8	43.1	70.5	102.4	226.2	7	Ci.	Cu. E	2	Ci.	Cu. NE
20	ENE	ENE	ENE	ENE	ENE	NE	104.4	110	------	------	------	10	Ci.-S.	S.-Cu. ENE	7	Ci.	Cu. ENE
21	ENE	ENE	ESE	E	ENE	ENE	------	------	73.5	49.6	------	10	Ci.-S.	Cu. E	1	Ci.	Cu. E
22	ENE	ENE	ENE	NE	Calm	Calm	64.4	75	66	15.5	220.9	10	Ci.-S.	Cu. ENE	7	Ci.	Cu. E
23	Calm	Calm	NNE	NNE	ENE	NE	13.9	46.7	70.2	35.6	166.4	7	Ci.	Cu. NE	3	Ci.	Cu. NNE
24	E	E	NNE	ENE	NE	NE	40.7	72.4	78.3	84.3	275.7	7	Ci.	Cu. NE	8	Ci.-S.	Cu. NE
25	E	E	ENE	ENE	ENE	Calm	66.2	87.1	112	50.7	316	4	Ci.	Cu. NE	7	Ci.	Cu. ENE
26	E	Calm	ENE	ESE	Calm	ESE	62.5	84.8	92.7	69.8	309.8	10	Ci.-S.	S.-Cu. ENE	10	Ci.-S.	Cu. E
27	ENE	ENE	ESE	Calm	Calm	ESE	69	73.8	34.4	27.6	204.8	10	Ci.-S.	S.-Cu. ENE	10	Ci.-S.	S.-Cu. NE
28	ESE	SE	ENE	NE	NE	ENE	56.1	88.8	121.5	103	369.4	10	Ci.-S.	S.-Cu. NE	6	Ci.	Cu. ENE
29	NE	NE	NE	NE	NE	NE	139.2	145.8	136.8	133.6	555.4	6	Ci.	Cu. NE	8	Ci.	Cu. NE
30	NNE	NNE	NE	NE	NE	NE	136	132.5	109.1	106.5	484.1	8	Ci.	Cu. NE	4	Ci.	Cu. NE
31	NE	NE	NE	NE	NE	NE	90.4	127.1	101.2	98.4	417.1	6	Ci.	Cu. NE	7	Ci.	Cu. NE
Mean	------	------	------	------	------	------	49.3	70.1	79.2	50.9	249	7.2	------	------	5.9	------	------

PARACALE.

[ϕ=14° 17′ N; λ=122° 47′ E; barometer above sea, 5.3 meters; gravity correction not applied, —1.73 mm.]

APRIL, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.51	59.23	60.14	58.29	58.50	60.07	25.7	26	27.7	28.2	26.5	26.1	30.3	25.5	85	84	82	80	84	83	------
2	59.08	59.69	60.87	59.25	59.53	60.59	26	25.4	29	29.5	26.1	26	30.7	25	82	84	68	64	79	72	.8
3	59.28	59.41	60.29	58.83	59.30	60.61	25.9	25.2	25.5	26	26.2	25.8	27.7	24.5	78	90	93	96	93	92	6.6
4	59.68	59.89	61.38	59.41	59.22	60.56	24.9	24	25.8	27.1	26.5	25.6	30	23.4	94	95	88	84	86	84	34
5	59.48	59.59	60.82	59.15	59.41	60.48	25.5	25.5	24.9	30	27	26.5	30.9	24.1	86	88	88	75	83	84	5.1
6	59.67	60.09	61.21	59.98	59.92	60.56	26.1	25.6	29	30	25.9	26	30.7	25.3	82	79	70	68	77	80	.5
7	59.20	59.31	60.54	58.78	58.94	60.09	25.8	25.5	28.5	29.5	27	26.6	30.6	23.9	81	84	78	75	84	87	4.6
8	59.28	59.51	60.14	58.10	57.81	59.03	25.7	25.5	27	27.5	26	25.5	28.3	24.6	89	92	92	86	95	96	27.3
9	57.82	57.86	58.86	57.05	57.49	58	24.8	25	29.4	27.1	25.1	25.5	30.3	23.5	97	98	82	90	95	84	13
10	57.32	57.80	58.98	56.55	57.07	58.82	22.8	22.6	29	30.5	27.5	26.9	31.3	22.3	97	98	82	78	81	89	------
11	57	57.20	58.29	56.53	56.61	58.50	24.8	23.5	30.4	30.8	28	25.5	32.1	23.3	92	96	78	76	85	96	------
12	57.40	58.56	59.38	57.73	57.65	59.21	24.3	24.1	31	31.3	29.5	27.1	32	23.7	97	99	75	74	78	88	------
13	58	59.23	60.78	58.91	58.47	60.03	25.3	25.1	30.3	31	28.1	26	32.3	24.7	96	92	74	69	80	85	------
14	58.78	58.71	59.57	57.51	57.43	59	24	23.8	31	31.5	28.6	25.2	32.3	23.3	96	95	65	69	77	94	------
15	57.90	57.86	59.04	57.28	57.27	59.09	23.8	23.2	31	31.9	28.5	25	32.4	22.8	96	98	72	67	80	96	------
16	58.22	58.87	59.56	57.73	57.83	59.36	24.2	23.5	30.1	30.5	26.9	24.5	32	23.2	97	96	77	75	86	97	------
17	58.40	59.12	59.60	57.46	57.67	59.23	24.1	23.1	31	31.5	28	25.1	32.7	22.9	97	99	74	70	85	96	------
18	58.31	58.77	59.56	57.93	58.03	59.42	24.1	24	27.6	28.6	27.5	24.8	31.3	23.4	95	94	87	85	85	98	2.3
19	58.19	58.97	60.37	59.03	59.58	61.01	23.5	23.2	28.1	27.1	26.6	25.1	28.8	22.7	97	97	84	88	90	97	1.6
20	59.68	60.43	61.38	59.86	60.16	61.86	24.6	24	29.6	32	28.5	27.5	33	23.9	97	99	81	70	78	85	------
21	60.81	61.03	62.72	60.37	60.80	61.43	27.4	27.1	28.6	30	27.9	25.5	31	25.3	86	87	81	77	82	94	9.3
22	60.06	60.08	60.40	58.26	57.98	58.65	26	27	29.5	28.1	27.3	26.5	31.3	24.8	92	90	81	81	89	90	43.5
23	54.68	54.86	56.38	55.18	56.01	57.90	26.5	26.1	28.6	28.2	28	24.5	30.2	23.4	92	94	79	76	74	89	.3
24	57.27	57.49	58.82	56.51	57.44	59.42	23.6	23	30.5	32.4	30.1	25.5	34.3	22.7	93	97	72	64	75	88	------
25	58.30	58.70	59.85	58.28	58.66	60.77	24	23.8	30.2	30	29.6	26	32.6	23.4	94	97	72	75	81	92	------
26	59.10	59.56	60.46	57.51	58.46	59.37	25.9	25	32	33.6	28.2	26.5	34.8	24.4	95	96	67	64	81	86	?
27	58.50	58.69	59.36	56.51	57.46	58.53	24.8	24.6	31.5	32.6	28.5	26.3	34.5	24.3	96	97	72	69	84	94	------
28	57.10	57.21	57.83	56.04	56.83	58.93	25.2	25.1	30	32.7	26.3	25.6	33.2	24.3	95	93	68	57	86	87	------
29	58.27	58.39	59.28	57.71	58	58.90	24.6	25	31	31.4	28.4	26	32.4	24.1	92	94	72	67	78	94	------
30	58	58.64	59.76	58.61	58.99	59.99	24.2	24.5	29.6	29.9	27.5	25.3	31.6	23.9	95	96	77	72	84	95	.8
Mean	58.48	58.82	59.85	58.01	58.28	59.65	24.9	24.6	29.2	30	27.5	25.8	31.5	23.9	92	93.3	77.7	74.7	83.2	89.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	149.7?

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	NNE	NNE	NNE	NNE	NNE	97.1	113.7	116.1	114.6	441.5	10	Ci.-S.	Cu. NNE	10	Ci.-S.	S.-cu. NNE
2	NNE	NNE	NNE	NE	NNE	NNE	131.5	108.9	105.7	94.1	440.2	9	Ci.-S.	Cu.	6	Ci.	Cu. NE
3	NNE	NNE	NNE	NNE	E	E	75.9	82.4	84.8	85.9	329	10	Ci.-S.	S.-Cu. NNE	10	----------	S.-cu. NNE
4	Calm	Calm	ENE	ENE	ENE	ENE	24.9	54.1	77	70.3	226.3	10	Ci.-S.	Cu. E	10	Ci.-S.	Cu. E
5	ENE	ENE	E	NE	ENE	ENE	81.1	78.9	118.8	109.1	387.9	8	Ci.-S.	Cu. E	6	Ci.	Cu. NE
6	ENE	ENE	NNE	ENE	E	ENE	112.9	109.2	89.8	98.4	410.3	4	Ci.	Cu. ENE	2	Ci.	Cu. NE
7	NE	NNE	NNE	NNE	NE	NE	98.4	95	123.9	102.4	419.7	10	Ci.-S.	S.-Cu. NE	6	Ci.	Cu. NE
8	NE	NE	ENE	NE	ENE	ENE	95.5	82.3	86.3	59	323.1	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	S.-Cu. NE
9	ENE	Calm	E	ESE	Calm	Calm	30.3	52.9	90.1	32.5	205.8	10	Ci.-S.	Cu. E	10	Ci.-S.	Cu. ESE
10	Calm	Calm	E	ENE	E	Calm	17.4	51.5	82.6	42.6	194.1	7	Ci.	Cu. E	3	Ci.	Cu. E
11	Calm	Calm	NNE	NNE	NE	Calm	10.5	37.8	58.1	19.6	126	0	Ci.	Cu.	8	Ci.	Cu. NNE
12	Calm	Calm	NE	NE	Calm	E	11.9	48.3	61.7	43.8	165.7	7	Ci.	Cu.	3	Ci.	Cu. ENE
13	Calm	Calm	NNE	NE	Calm	Calm	26.9	51.2	53.9	27.9	159.9	6	Ci.	Cu. ENE	3	Ci.	Cu. ENE
14	Calm	Calm	ESE	NE	E	Calm	12.3	48.6	70.2	17.7	148.8	3	Ci.	Cu. E	1	Ci.	Cu.
15	Calm	Calm	NNE	ENE	Calm	Calm	14.7	44.3	54.5	13.2	126.7	3	Ci.	Cu.	2	Ci.	Cu.
16	Calm	Calm	NNE	NNE	E	Calm	17.9	39.1	64.2	14.2	135.4	8	Ci.	Cu. S	10	Ci.-S.	Cu. NNE
17	E	Calm	NNE	NE	Calm	Calm	27.2	42.8	55.5	15.5	141	6	Ci.	Cu.	2	Ci.	Cu. NE
18	Calm	Calm	Calm	SW	Calm	Calm	18	30.1	27.2	7.7	83	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
19	Calm	Calm	Calm	W	Calm	Calm	21.5	27.2	30.1	7.5	86.3	10	Ci.-S.	Cu.	10	Ci.-S.	S.-cu. NNW
20	Calm	Calm	NE	NE	ENE	NE	8.9	44.1	81.3	62.3	196.6	10	Ci.-S.	Cu.	6	Ci.-S.	Cu. ENE
21	ENE	ENE	ENE	ENE	NE	NE	70.3	76.9	104.1	106.5	357.8	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	Cu. NE
22	ENE	ENE	ENE	ENE	NE	ENE	115.3	122.5	102	133.3	473.1	10	Ci.-S.	S.-Cu. ENE	10	Ci.-S.	Cu. ENE
23	NE	ENE	E	SSW	SE	Calm	204.9	136.6	50.2	18.3	410	10	Ci.-S.	Cu.-N. ENE	10	Ci.-S.	S.-Cu. SSE
24	Calm	Calm	S	SSW	Calm	Calm	6.7	38.9	80.7	21.1	147.4	1	Ci.	Cu.	6	Ci.	Cu. S
25	Calm	Calm	NNE	NNW	Calm	Calm	8.3	31.1	42.1	22.3	103.8	1	Ci.	Cu.	8	Ci.	Cu. SSE
26	Calm	Calm	SW	NNE	Calm	Calm	34	64.6	43.8	32.2	174.6	3	A.-Cu.	Cu.	4	Ci.	Cu. SSW
27	SW	Calm	SW	NNE	Calm	Calm	23.3	53.9	42	10.5	129.7	10	Ci.-S.	Cu.	6	Ci.	Cu. SSW
28	SW	SW	WSW	WSW	SW	Calm	33.3	76.2	86.4	23	218.9	8	A.-Cu.	Cu. SSW	3	Ci.	Cu. W
29	Calm	Calm	N	N	N	Calm	15.6	34.6	61.2	8.2	119.6	10	Ci.-S.	Cu.	6	Ci.	Cu. N
30	Calm	Calm	Calm	N	Calm	Calm	14.7	20.9	40	11.1	86.7	6	Ci.-S.	Cu. N	10	Ci.-S.	Cu. N
Mean	------	------	------	------	------	------	48.7	63.3	72.8	47.5	232.3	7.3	----------	----------	6.7	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	6,968.9	----	----------	----------	----	----------	----------

PARACALE.

[$\phi = 14°\ 17'$ N; $\lambda = 122°\ 47'$ E; barometer above sea, 5.3 meters; gravity correction not applied, —1.73 mm.]

MAY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.80	59.41	60.47	58.78	58.71	60.32	24.3	24.7	30.5	31.8	28.4	27.6	32.8	24.2	97	96	68	64	75	76	1.5
2	59.03	58.68	60.06	58.50	58.76	60.20	27.4	27	24.8	25	24.5	24	27.8	23.3	76	80	94	92	96	96	108.6
3	59.04	58.68	59.98	58.33	58.73	60.31	26.2	26.5	28.5	30.5	28	27	31.3	24.3	82	82	74	68	71	78	------
4	59.28	59.66	60.04	59.11	59.64	61.09	26.9	25.1	29	31	25	24.1	31.7	23.8	79	91	78	70	92	97	7.8
5	60.48	60.67	61.78	59.52	60	61.47	23.7	23.2	29	31	27	25	31.7	23	97	98	74	72	84	92	5.9
6	60.17	60.28	61.01	58.96	58.74	60.66	24.3	24.2	28.5	30.5	28	24.5	31.3	23.7	97	97	81	75	81	96	12.5
7	59.45	59.78	61.31	58.71	58.87	60.74	24	23.6	31	28.5	26.4	25	31.5	23.4	96	99	75	81	89	92	3.3
8	58.24	58.82	59.56	57.91	58.25	59.96	23.9	23.2	29	28	26.3	25	31.6	22.9	97	98	74	85	94	96	23.3
9	59.21	59.34	60.51	58.16	58.72	60.13	24	23.7	30.5	31	27.6	25.1	32.3	23.3	96	97	68	72	87	96	.5
10	59.17	59.22	60.20	58.53	59.13	59.82	24.3	24.2	30.6	31.2	27.1	25.1	32.7	23.8	96	97	74	71	86	96	6.1
11	58.87	59.05	59.78	58.55	58.36	60.06	24.3	24	30.5	31.5	29	27.5	32.8	23.5	97	96	74	72	78	83	------
12	59	59.13	59.25	57.61	57.95	59.27	26.2	25	30.5	32	28.8	26	33.2	24.8	90	96	72	68	80	96	13.3
13	58.70	59.01	59.71	58.05	57.71	58.67	24.7	24.8	31	31.2	29.1	26.5	32.6	23.3	97	97	72	69	80	93	7.6
14	58.14	58.21	59.30	57.79	58.12	59.72	24.7	24.5	30.6	31.6	29.6	25.6	32.4	24	97	96	74	66	74	95	------
15	58.20	58.30	59.17	57.80	58.08	59.84	24.2	24	31	31.7	29.7	24.5	32.3	23.5	97	95	69	70	77	96	21.9
16	59.27	59.36	59.87	58.33	58.25	59.61	24.8	25	30	26	26.2	24.9	30.8	24	95	96	78	89	94	97	.5
17	58.22	58.35	59.30	57.27	57.53	59.10	23.9	23.8	30.5	31.6	29.4	25.5	32.3	23.1	98	97	75	72	76	94	------
18	57.80	57.91	58.36	56.66	56.86	58.54	24	24.2	30.5	32	29.6	25.1	32.7	23	97	90	72	66	71	95	------
19	57.50	57.85	58.60	56.77	57.30	58.56	24.2	23.8	31.6	32	29.9	27.5	33	23.2	97	94	61	65	72	85	2.5
20	57.53	57.76	58.47	57.13	57.76	59.24	24.5	23.3	32.6	31.1	26.8	24.7	33	23	96	97	69	72	89	98	1.5
21	58.27	58.40	58.51	56.96	57.47	58.68	24	23.2	31.3	32	30.5	26.5	32.8	23	96	98	70	66	72	92	------
22	57.70	58.12	58.28	56.75	57.06	58.96	25	24.5	31.3	32.4	30.7	26.2	33.3	23.9	93	94	73	68	74	94	------
23	57.50	57.96	58.22	56.56	56.58	58.18	25.1	24.5	32	32.2	30	25.6	33.1	24	97	96	69	66	74	95	------
24	57.02	57.15	57.78	56.15	56.40	58.50	24.9	24	31.7	32.1	28.9	26	33.7	23.6	96	95	68	68	82	96	------
25	57.51	57.85	58.88	57.26	57.42	59.05	25.2	24.5	32	32.6	29.6	25.5	33.5	24.1	94	93	64	66	76	92	------
26	57.78	57.80	58.95	57.41	57.91	59.59	24.2	24.5	32.5	32.7	28.4	25.6	34	23.9	97	94	63	62	80	96	------
27	58.51	58.61	58.96	57.79	57.77	59.33	24.7	24.5	33.1	33.6	30.6	26.4	34	23.2	97	95	66	61	74	93	------
28	58.40	58.56	58.71	56.96	56.90	58.53	24.8	25	32.6	33	31	26	34	24.5	94	96	70	61	69	92	------
29	57.10	57.27	58	56.03	56.60	57.91	24.2	24.5	31.5	33.1	28.3	24.5	33.8	23.6	94	93	69	66	78	92	.5
30	56.83	57.30	57.87	56.44	57.35	59.11	24.6	25	32	34	31.5	26.6	35.2	24	95	96	67	58	70	94	------
31	57.62	58.10	58.99	57.71	58.57	60.38	26.3	26.6	26.1	33	25.4	24.9	33.4	24.4	93	91	91	67	93	97	44.6
Mean	58.40	58.60	59.35	57.69	57.98	59.53	24.8	24.5	30.5	31.3	28.4	25.6	32.6	23.7	94.2	94.5	72.5	69.9	80.3	92.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	261.9

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	NNE	NNE	NNE	NNE	12.6	60.7	68.2	66.6	208.1	3	Ci.	Cu. NNE	3	Ci.	Cu. NNE
2	Calm	N	NNE	NNW	Calm	Calm	60.4	83.9	34.1	28.7	207.1	10	Ci.-S.	S.-Cu. N	10	Ci.-S.	Cu.-N. NNW
3	NNE	NNE	NE	NE	NE	NE	104.6	94.6	96.6	74	369.8	10	A.-Cu.	Cu. NNE	8	Ci.-S.	Cu. NE
4	Calm	Calm	Calm	NNE	Calm	Calm	56	31.4	48.3	19.5	155.2	10	Ci.-S.	Cu. NE	7	Ci.-S.	Cu. N
5	Calm	Calm	ESE	NNE	Calm	Calm	11.3	38.6	78.9	15	143.8	3	Ci.	Cu. E	7	Ci.-S.	Cu. E
6	Calm	Calm	ENE	ENE	E	Calm	16.9	38.4	71.1	27.7	154.1	4	Ci.	Cu. E	3	Ci.	Cu. E
7	Calm	Calm	E	SW	Calm	Calm	12.3	48.3	35.9	22	118.5	10	Ci.-S.	S.-Cu. E	8	Ci.-S.	Cu. S
8	Calm	Calm	Calm	E	Calm	Calm	16.1	34.8	29.3	5.4	85.6	5	Ci.	Cu.	10	Ci.-S.	S.-Cu. SW
9	Calm	Calm	Calm	Calm	Calm	Calm	10.8	31.2	25.4	14.2	81.6	10	Ci.-S.	Cu.	5	Ci.-S.	Cu. S
10	Calm	Calm	NNE	NNE	Calm	Calm	18.3	36.5	46.1	9.9	110.8	10	Ci.-S.	Cu.	4	Ci.	Cu. E
11	Calm	Calm	NNE	NE	ENE	ENE	16.3	40.7	66.2	35.6	158.8	3	Ci.	Cu.	7	Ci.-S.	Cu. E
12	Calm	Calm	ENE	ENE	Calm	Calm	20.4	53.7	59.7	17.1	150.9	8	Ci.-S.	Cu. E	8	Ci.-S.	Cu. E
13	Calm	Calm	E	ESE	E	Calm	12.3	40.8	67.9	17.2	138.2	10	Ci.-S.	S.-Cu. E	7	Ci.-S.	Cu. E
14	Calm	Calm	ESE	NE	Calm	Calm	13.1	47.3	64.2	12.6	137.2	10	Ci.-S.	Cu.	3	Ci.	Cu.
15	Calm	Calm	NNE	NNE	Calm	Calm	17.7	51.3	74.5	30.3	173.8	1	Ci.-Cu.	Cu.	2	Ci.	Cu. E
16	Calm	Calm	NE	Calm	Calm	Calm	11.5	43.3	23.6	14.7	93.1	10	Ci.-S.	S.-Cu. E	10	Ci.-S.	S.-Cu. E
17	Calm	Calm	NE	NE	Calm	Calm	15.9	41.6	60.2	15.3	133	4	Ci.	Cu. E	3	Ci.	Cu. E
18	Calm	Calm	NE	ENE	Calm	Calm	17.5	41.3	56.6	14.2	129.6	1	Ci.	Cu.	2	Ci.	Cu. E
19	Calm	Calm	E	NNE	Calm	Calm	13.2	41.2	65.5	20.1	140	4	A.-Cu. E	Cu.	2	Ci.	Cu.
20	Calm	Calm	ENE	ENE	SW	Calm	10.8	42.4	36.7	13.2	103.1	0	----------	Cu.	7	Ci.	Cu. ESE
21	Calm	Calm	NE	N	Calm	Calm	11.6	37	44.6	12.4	105.6	0	Ci.	Cu.	1	Ci.	Cu.
22	Calm	Calm	NE	NE	Calm	Calm	11.3	52	66.2	9.4	138.9	3	Ci.	Cu.	2	Ci.	Cu. E
23	Calm	Calm	ENE	E	E	Calm	12.9	43.5	65.5	9.9	131.8	8	Ci.	Cu.	6	Ci.	Cu.
24	Calm	Calm	NNE	NE	Calm	Calm	11.5	44.1	64.1	17.4	137.1	3	Ci.	Cu.	5	Ci.	Cu. ESE
25	Calm	Calm	NNE	E	SSW	Calm	18.2	33.5	52.1	20.7	124.5	6	Ci.	Cu.	4	Ci.	Cu. ESE
26	Calm	Calm	NNE	NNE	Calm	Calm	19	37.3	54.4	17.7	128.4	3	Ci.	Cu.	6	Ci.	Cu. SE
27	Calm	SW	NE	ENE	ENE	Calm	23.1	41.8	51.5	9.9	126.3	6	Ci.	Cu.	6	Ci.	Cu. SE
28	Calm	Calm	ENE	ENE	Calm	Calm	12.7	41	68.9	11	133.6	4	Ci.	Cu. E	4	Ci.	Cu. ESE
29	Calm	Calm	NNE	NNE	SW	Calm	15.8	37.8	50.4	31.1	135.1	3	Ci.	Cu.	4	Ci.	Cu. WNW
30	Calm	Calm	Calm	NE	Calm	Calm	14.5	31.1	66.3	7.4	119.3	4	A.-Cu. E	Cu.	3	Ci.	Cu. S
31	Calm	Calm	Calm	NNE	ESE	Calm	7.7	25.9	84.5	29.2	147.3	10	Ci.-S.	Cu. E	3	Ci.	Cu. E
Mean	------	------	------	------	------	------	20.2	44.1	57.3	20.9	142.6	5.7	----------	----------	5.2	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	4,420.2	----	----------	----------	----	----------	----------

PARACALE.

[$\phi = 14°\ 17'$ N; $\lambda = 122°\ 47'$ E; barometer above sea, 5.3 meters; gravity correction not applied, —1.73 mm.]

JUNE, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperatur								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.99	59.01	59.21	58.07	58.56	59.71	25.1	25	30	31.5	29.1	26.5	32.2	24.5	95	96	79	72	81	96	------
2	59.44	59.79	60.68	59.31	58.75	59.73	25	24.7	30.5	31.2	28.5	25.6	33.4	24.1	97	97	72	71	81	95	------
3	59.30	59.68	60.33	58.89	59.06	60.91	24.4	23.9	31.4	32.6	29.3	26	33.2	23.5	97	93	70	66	79	96	0.5
4	59.90	60.43	60.36	59.25	59.31	60.63	24.9	24	29.6	32	29.5	26	32.8	23.8	97	97	79	67	78	96	4.1
5	59.39	59.86	60.20	58.34	58.38	60.55	25.2	25.3	30.4	31.6	29.4	27.9	33	24.5	94	95	73	68	76	82	19
6	59.20	59.28	59.85	58.08	58.10	59.17	24.9	24.5	30.2	31	28.6	27.1	32	24	97	96	75	73	80	87	2.3
7	58.40	58.68	59.28	57.51	57.58	59.27	25.7	25	31	31.8	30	25.5	32.8	24.7	93	95	72	70	75	93	9.4
8	58.36	58.46	59	57.46	57.62	59.04	25	24.3	31	32.1	28.5	25.7	33	24	96	97	72	68	85	95	.5
9	58.50	59.07	59.57	58.31	58.48	60.68	25	24.5	32	32	30	25.7	33.3	24.1	95	96	70	69	75	94	3.5
10	59.48	59.93	60.71	59.44	59.21	60.40	24.6	24.6	31.5	31.8	29	27.7	33.3	24.2	96	97	72	70	76	88	2.6
11	59.51	59.76	60.43	58.61	58.46	59.58	25.9	25.1	28.1	29.2	28.6	25.6	30.3	24.9	91	96	88	84	84	95	8.4
12	58.18	58.68	59.18	57.74	58.08	58.86	26.1	25.1	30.6	32.3	30	24.8	32.9	24.6	94	96	70	71	78	94	5.6
13	58.22	58.54	59.16	57.98	58.21	60.17	24.7	24.3	30.4	30	27.2	25	32.7	24.2	95	97	75	75	88	97	1.5
14	59.41	59.53	59.58	58.33	58.20	59.36	24.3	24	31.5	30.6	32	26.5	34.3	23.8	96	97	72	78	72	94	5.3
15	58.70	59.16	59.10	57.69	57.34	58.56	25.8	25.5	31.6	34	31.4	27	35	25	86	84	68	59	70	85	------
16	57.02	56.85	57.20	55.74	55.28	56.18	25.9	26.1	32.3	32	29.4	27.1	33.4	25.3	88	87	67	65	76	80	------
17	54.40	54.48	55.46	53.84	54.27	55.43	26.1	26	30.5	32.5	30.2	27	33.6	25.8	85	85	72	63	71	81	------
18	54.03	54.68	55.36	53.93	54.91	56.27	25.4	25.1	31.4	32.7	27.1	26.5	33.8	24.8	90	91	67	66	91	85	19
19	55.52	55.65	56.77	56.36	56.23	57.38	26	26	29.2	26.7	25.4	25.8	30.2	24.9	89	91	73	86	89	86	2.3
20	57	57.35	58.01	56.30	57.09	58.80	25.4	24.8	30.5	31	27.5	25.5	32.2	24.1	88	92	72	71	82	88	------
21	58.60	59.25	59.38	58.15	59.01	59.99	23.8	23.6	32	34.3	30	25.5	35	23	93	95	61	55	73	92	------
22	59.51	60.52	61.23	59.54	60.11	61.83	24	23.2	31.1	32.6	30	25.7	33.7	22.9	95	95	69	62	75	92	------
23	60.56	61.04	60.88	59.22	59.52	60.73	24.4	24.3	31.7	33.1	30.6	26	34.2	23.9	95	94	65	60	72	92	------
24	59.04	59.23	59.54	57.88	57.49	58.50	25	24.8	32.5	32.7	30.7	25.6	34.3	24.2	95	96	63	62	69	94	------
25	57.03	57.19	57.66	55.84	55.64	57.34	25.1	25	31	34.5	32.3	27.2	35.5	24.6	95	95	69	54	64	84	------
26	56.78	57.14	56.97	55.51	56.07	57.34	26	26.2	30.6	31.9	29.6	27.5	33.8	25.7	90	86	70	61	82	85	------
27	56.19	56.30	57	55.94	56.71	58.06	26.8	26.6	31	33.5	30.6	27	34.9	26	86	85	69	58	71	87	------
28	57.28	57.50	57.73	55.96	56.62	58.12	26.1	25.8	31.7	32.4	28.1	26	35.7	25.4	85	85	65	64	91	96	21.6
29	57.11	57.39	57.36	55.89	55.83	56.22	25	24.5	30.5	31.6	29.5	25.5	32.8	24.2	93	96	74	70	75	92	11.2
30	55.05	55.41	55.41	53.94	53.09	53.30	25	24.3	26.5	27	26.1	25	29.8	24	96	97	84	86	94	96	98.8
Mean	58	58.33	58.75	57.30	57.44	58.74	25.2	24.9	30.7	31.7	29.3	26.2	33.2	24.4	92.7	93.3	71.6	68.1	78.4	90.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	215.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	E	E	Calm	Calm	14.5	52.9	40.2	10.2	117.8	8	Ci.	Cu. E	10	Ci.-S.	Cu. E
2	Calm	Calm	E	E	Calm	Calm	17.2	36.5	52.1	10	115.8	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. E
3	Calm	Calm	E	E	Calm	Calm	14.5	48.9	72.6	11.9	147.9	4	Ci.	Cu.	4	Ci.	Cu. ESE
4	Calm	Calm	E	NE	Calm	Calm	19.5	44.5	55	16.4	135.4	10	Ci.-S.	S.-Cu. E	6	Ci.-S.	Cu. NE
5	Calm	SW	E	ENE	ENE	ENE	21.9	40.8	83.9	50.5	197.1	8	Ci.-S.	Cu. NE	6	Ci.	Cu. ENE
6	Calm	Calm	ENE	E	E	Calm	18	45.9	77.4	40.4	181.7	10	Ci.-S.	Cu. ENE	7	Ci.	Cu. E
7	Calm	Calm	ESE	E	E	Calm	22.5	48.3	72.4	23.1	166.3	8	Ci.-S.	Cu. E	7	Ci.-S.	Cu. E
8	Calm	Calm	E	ENE	Calm	Calm	15.6	54.7	72.4	10.8	153.5	3	Ci.	Cu. E	3	Ci.	Cu. ENE
9	Calm	Calm	NE	ENE	ENE	WSW	19.3	47	77.4	23.1	166.8	4	Ci.	Cu. E	4	Ci.-S.	Cu. E
10	Calm	Calm	NE	ESE	ENE	ENE	15.5	43.3	69.2	21.4	149.6	6	Ci.	S.-Cu. NE	8	Ci.	Cu. E
11	Calm	Calm	Calm	ENE	Calm	Calm	21.4	23.3	31.9	9.2	85.8	10	Ci.	N. E	10	Ci.-S.	S.-Cu. E
12	Calm	Calm	E	ENE	Calm	Calm	16.1	35.1	51.7	17.5	120.4	7	Ci.	Cu. E	7	Ci.	Cu. E
13	Calm	Calm	NE	WSW	Calm	Calm	14.3	27.9	43.5	14.7	100.4	9	Ci.-S.	Cu.	10	Ci.-S.	Cu. W
14	Calm	Calm	SW	WSW	Calm	Calm	10.8	46.5	48.3	16.9	122.5	3	Ci.	Cu.	8	Ci.	Cu. W
15	SW	SW	SW	WSW	WSW	WSW	65.8	99.2	81.9	45.4	292.3	3	Ci.	Cu.	3	Ci.	Cu. SW
16	SW	SW	SW	SW	SW	SW	81.6	101.9	96.1	97.1	376.7	8	A.-Cu. WNW	Cu.	8	Ci.-S.	Cu. WSW
17	SW	SW	SW	SW	SW	SW	113.2	106.2	118.9	89.1	427.4	10	Ci.-S.	Cu.	8	Ci.	Cu. SW
18	SW	Calm	SW	SW	Calm	SW	44	51.8	42.8	57.4	196	8	Ci.-S.	Cu.	10	Ci.-S.	S.-Cu. SW
19	Calm	Calm	SSW	SW	Calm	SW	38.9	61.5	53.9	30.1	184.4	10	Ci.-S.	Cu.	10	Ci.-S.	S.-Cu. SW
20	SW	Calm	Calm	SSW	SSW	SSW	24.7	41.2	40	20.6	126.5	10	Ci.-S.	S.-Cu. SSW	10	Ci.-S.	s.-cu. SSW
21	Calm	Calm	SSW	SSW	Calm	Calm	2.6	47.8	63.3	11.6	125.3	10	Ci.-S.	Cu. W	8	Ci.-S.	Cu. S
22	Calm	Calm	NNE	NNE	Calm	Calm	15.5	34	48.9	11.8	110.2	0	Ci.	------	5	Ci.	Cu. S
23	Calm	Calm	NE	NE	Calm	Calm	10	35.1	42.1	10.7	97.9	0	------	------	2	Ci.	Cu.
24	Calm	Calm	NNE	NNE	Calm	Calm	12.1	30.8	38	14.5	95.4	1	Ci.	Cu.	10	Ci.-S	Cu.
25	Calm	Calm	SW	SW	Calm	SW	28	57.1	65.7	37.6	188.4	3	Ci.	Cu.	6	Ci.	Cu. SW
26	SW	SW	SW	SW	Calm	SW	73.5	111	64.9	41.5	290.9	9	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
27	SW	SW	SW	WSW	SW	SW	78.9	84.5	83.9	37.2	284.5	10	Ci.-S.	Cu.	8	Ci.-S.	Cu. WSW
28	SW	SW	SSW	SW	Calm	Calm	41.5	89	36.2	17.9	184.6	8	Ci.-S.	Cu.	8	Ci.-S.	Cu. SW
29	Calm	Calm	W	NNW	Calm	Calm	13.5	37.8	46.1	24.1	121.5	8	Ci.-S.	Cu. WNW	7	Ci.	Cu. NNW
30	SW	WSW	Calm	W	SW	SW	28.8	33.8	48.1	67.3	178	10	Ci.-S.	Cu.-N. NNW	10	Ci.-S.	S.-Cu. NNW
Mean	------	------	------	------	------	------	30.1	53.9	60.6	30	174.7	6.9	------	------	7.4	------	------
Total	------	------	------	------	------	------	------	------	------	------	5,240.8	----	------	------	----	------	------

PARACALE.

[$\phi = 14°\ 17'$ N; $\lambda = 122°\ 47'$ E; barometer above sea, 5.3 meters; gravity correction not applied, —1.73 mm.]

JULY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	51.80	51.32	51.22	49.35	50.32	53.57	24.1	25.5	25	24.4	24.3	25	26	23.9	96	91	93	98	93	92	308.9
2	53.62	55	57.08	56.88	56.63	58.53	24.9	25.4	25.8	26.2	26	25.3	29.3	24.3	84	81	85	85	87	85	3.8
3	57.72	58.55	58.94	57.56	58.71	59.93	24.6	24.2	30.8	33.3	26.6	25.3	34	23.6	95	97	71	68	88	98	22.9
4	59.22	59.30	59.51	58.11	58.43	60.17	24.8	23.6	31	31.5	29.1	26	32.3	23.5	97	99	72	72	81	94	3
5	59.13	59.25	59.62	58.48	58.42	59.82	25	24.1	28.1	25.6	30	25.5	30.8	24	97	97	82	89	75	96	8.9
6	58.77	58.96	59.22	57.85	57.76	59.34	25	24	30.5	31.6	28.6	26.2	32.8	23.6	98	98	72	68	80	94	4.6
7	58.71	59.09	59.16	57.77	57.88	59.79	25	25	28	30.6	29.1	25.9	31.8	23.5	95	93	88	74	77	93	34
8	58.61	58.55	58.86	57.15	57.58	58.88	24.3	24	30.6	32.1	30	25.9	32.8	23.7	95	96	71	68	75	93	------
9	58.23	58.27	58.46	57.10	57.05	58.77	24.5	24.6	31.4	31.6	31.6	26.3	34.7	24	96	95	70	72	68	90	------
10	57.53	57.71	58.61	57.26	57.02	58.61	25.4	25	31	32	30	26.2	33.8	24.6	95	92	69	61	77	86	------
11	57.81	58.03	59.36	56.86	57.77	59.23	25.9	25	30.3	32	30.6	26.9	33	24.9	86	92	70	63	71	87	------
12	58.24	59.13	58.34	57.28	56.87	57.76	25.4	25	30.1	29.5	29	26.6	32.3	24.6	93	95	68	75	85	95	.3
13	55.60	55.38	54.76	53.33	52.51	52.26	28.8	27.9	27.5	26.3	25	24	29.3	23.8	82	79	82	93	92	93	141.2
14	50.32	50.46	50.99	49.65	49.87	51.26	24	22.5	25	26.2	25.6	26	27	22.4	90	91	90	82	82	78	2.6
15	51.01	51.52	52.78	52.20	52.17	53.86	25.9	26	27.5	27	27	27	27.8	25.5	77	72	78	75	77	74	------
16	53.60	54.06	54.71	52.93	53.92	55.97	27	27.5	28.5	29	28.4	26.1	30.3	25.1	77	80	74	69	76	84	------
17	55.08	55.45	56.07	55.31	55.50	56.21	25.2	25	30	30.5	29	25.7	32.3	24.5	91	92	71	68	74	92	------
18	55.40	55.58	55.94	54.97	55.21	56.68	25.3	26	29.5	30.9	27.5	25.5	32.3	24.8	93	88	72	66	81	84	.5
19	55.76	55.86	56.41	55.10	55.53	57.18	25	25.2	29.5	31.2	28.9	26	33	24.5	88	87	70	68	76	92	------
20	55.78	56.10	56.72	55.48	56.34	57.21	25	24	30.5	30.3	24.5	24.1	33.3	23.4	90	91	62	70	96	97	11.4
21	55.69	55.75	55.83	54.72	54.30	56.13	23.3	24.1	30.5	29.4	25.4	24	32.3	23.1	97	96	68	76	89	96	5.8
22	54.38	54.41	54.82	53.13	53.09	54.64	24	24.5	29.9	31.5	27.7	25.5	32.5	23.5	95	96	72	72	77	80	1.5
23	52.93	53.11	53.81	52.93	52.75	54.80	25.5	25	27.9	29.6	27	25.5	30.2	24.3	81	88	77	74	83	88	1.6
24	53.01	52.95	53.60	52.33	52.35	53.91	25	26	30.2	30	28	27	31.4	24.6	92	87	74	75	77	80	------
25	52.83	52.93	53.03	52.37	52.96	54.61	27	27	30.5	32	29.2	27	32.8	26	80	84	72	66	76	84	------
26	53.80	54.08	54.20	53.39	54.08	56.49	26.3	26	31.6	32	28.9	26	33.9	25.3	87	89	68	69	83	94	.5
27	56.25	56.46	57.41	56.73	56.91	58.33	25.5	25.2	32	26.6	28.7	26.5	33.3	24.8	92	93	66	87	85	94	17.5
28	57.49	57.61	58.07	57.23	57.41	58.16	25.2	25	29	31.1	28.6	24.7	32.4	24.4	95	96	81	75	78	94	------
29	57	56.67	57.30	56.17	55.91	56.99	24	24	28.5	28.5	28.7	25.6	29.7	23.4	90	91	84	85	80	97	1.3
30	55.81	56	56.50	54.81	55.13	55.78	25	24.4	29	30.8	28.5	26	31.9	24.2	96	97	77	65	85	88	.5
31	54.41	54.48	55.38	54.18	53.83	54.34	25.7	25	25.7	27.2	26.6	26.4	27.8	24.9	88	92	90	90	87	85	1.3
Mean	55.56	55.87	56.35	55.12	55.30	56.75	25.2	25	29.2	29.7	28	25.8	31.5	24.2	90.6	90.8	75.5	74.8	81	89.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	572.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	WSW	SW	SW	SW	SW	97.9	122.6	141	125.2	486.7	10	----------	Cu.-N. W	10	----------	N.
2	SW	SW	SSW	S	Calm	SW	117.5	39.6	30.8	19	206.9	10	Ci.-S.	Cu.	10	Ci.-S.	S.-Cu. S
3	Calm	Calm	SSW	E	Calm	Calm	16.9	49.3	37.6	9.7	113.5	10	Ci.-S.	Cu. S	10	Ci.-S.	Cu. S
4	Calm	Calm	E	ENE	Calm	Calm	11.6	37.8	60.2	16.3	125.9	10	Ci.-S.	Cu.	7	Ci.	Cu.
5	Calm	Calm	Calm	Calm	Calm	Calm	14.7	20.9	21.4	7	64	10	Ci.-S.	Cu.	10	Ci.-S.	S.-Cu. ENE
6	Calm	Calm	ENE	NE	ENE	Calm	17.5	50.5	65.4	25.5	158.9	8	Ci.	Cu. NE	8	Ci.	Cu. NE
7	Calm	Calm	Calm	ENE	Calm	Calm	16.3	26.4	54.2	10.3	107.2	8	Ci.	Cu. E	10	Ci.-S.	Cu. NE
8	Calm	Calm	ENE	ENE	Calm	Calm	21.9	41	46.2	13.9	123	0	Ci.	Cu.	1	Ci.	Cu. E
9	Calm	SW	SW	ENE	Calm	NE	24.1	54.4	44.5	32.2	155.2	0	Ci.	Cu.	7	Ci.	Cu. SSW
10	SW	WSW	WSW	W	SW	SW	30.6	57.7	62.6	52.8	203.7	7	Ci.-S.	Cu.	10	Ci.-S.	Cu. WSW
11	SW	W	SW	W	Calm	Calm	52	57.4	55	11.6	176	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. W
12	W	Calm	W	Calm	Calm	Calm	26.9	53.4	39.2	13.9	133.4	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
13	NW	NW	W	WSW	WSW	WSW	71	80.8	87.4	148.7	387.9	10	Ci.-S.	S.-Cu. NW	10	Ci.-S.	S.-Cu. W
14	WSW	WSW	SW	SW	SW	SW	170	169.4	191.7	157.7	688.8	10	----------	N.	10	Ci.-S.	S.-Cu. SW
15	SW	SW	SW	SW	SSW	SSW	120.7	130.4	114.9	97.9	463.9	10	Ci.-S.	Cu. SW	10	Ci.-S.	S.-Cu. SW
16	SSW	SSW	SSW	SW	Calm	SW	96	121	87.4	22.8	327.2	10	Ci.-S.	Cu. SSW	10	Ci.-S.	Cu.
17	Calm	Calm	SW	SW	Calm	Calm	22	89	71.4	26	208.4	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
18	SW	Calm	SW	SW	WSW	SW	43.1	83.2	86.4	54.2	266.9	10	Ci.-S.	Cu.	10	Ci.-S.	S.-Cu. W
19	SW	SW	SW	SW	Calm	Calm	67.4	89.9	50.7	12.3	220.3	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
20	Calm	Calm	SW	ENE	Calm	Calm	1.4	37.5	30.6	3.7	73.2	2	Ci.	Cu.	8	Ci.	Cu. SSW
21	Calm	Calm	SW	Calm	Calm	Calm	6.2	34.6	24.1	7.5	72.4	10	Ci.-S.	Cu. SW	10	Ci.-S.	Cu. WSW
22	Calm	Calm	SSW	SW	SW	SW	5.1	45.9	74.5	31.9	157.4	8	A.-Cu. SSW	Cu.	10	Ci.-S.	Cu. SW
23	SW	SW	SW	SW	SW	SW	64.6	97.6	81.5	39.7	283.4	10	Ci.-S.	N. SW	10	Ci.-S.	S.-Cu. SW
24	Calm	SW	SSW	SSW	SSW	SW	22.5	92.8	92.2	72.4	279.9	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	Cu. SSW
25	SW	SW	SW	SW	SW	SW	56.1	92.7	119.4	48.9	317.1	10	Ci.-S.	S.-Cu. SW	8	Ci.	Cu. SW
26	Calm	SW	SW	SW	SW	Calm	34.4	79.2	68.6	21.2	203.4	3	Ci.	Cu.	10	Ci.-S.	Cu.
27	Calm	Calm	SW	Calm	Calm	Calm	27.1	44.3	25.9	15.9	113.2	0	----------	Cu.	7	Ci.-S.	Cu. SW
28	Calm	Calm	SW	NE	S	Calm	12.7	15.6	42.8	30.3	101.4	10	Ci.-S.	Cu. SW	6	Ci.	Cu. W
29	Calm	Calm	SW	Calm	Calm	Calm	28.5	29.6	9.4	16.6	84.1	4	Ci.	Cu. NE	10	Ci.-S.	S.-Cu. N
30	Calm	W	SW	W	Calm	W	32.2	45.9	29.5	70.2	177.8	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. W
31	WSW	WSW	SW	SW	SW	SW	66.5	78.9	59.7	65.4	270.5	10	----------	Fr.-N.	10	Ci.-S.	S.-Cu. WSW
Mean	------	------	------	------	------	------	45	66.8	64.7	41.3	217.8	8.1	----------	----------	9.1	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	6,750.6	----	----------	----------	----	----------	----------

PARACALE.

[$\phi = 14°\ 17'$ N; $\lambda = 122°\ 47'$ E; barometer above sea, 5.3 meters; gravity correction not applied, —1.73 mm.]

AUGUST, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	53.51	53.64	53.99	53.12	53.92	56.25	26.9	27	28.3	30.1	28	25.5	31.7	25.4	81	80	76	68	80	92	------
2	55	55.06	55.91	54.81	55.28	57.11	26.2	26.3	29.2	27.6	29.5	25.5	32.7	25	85	85	76	87	79	96	2.1
3	55.61	55.83	56.48	54.67	55.43	57.42	26	26	31	33	30.2	26.1	34.3	24	87	85	69	61	71	91	------
4	56.28	56.36	56.80	55.26	55.41	57.27	25.1	25	32.4	31.8	30.6	26.5	34.5	24.4	93	92	63	64	75	90	------
5	56.22	56.19	56.71	55.87	56.41	57.98	25	25	31	33	30.7	26.5	34.3	24.5	97	95	67	62	70	86	------
6	56.70	57.28	57.98	56.05	56.54	58.10	25.2	24.5	32.3	34.5	31.2	26.5	35	24	90	92	59	54	64	88	------
7	56.73	57.15	57.76	56.19	56.45	57.40	25.1	25.3	31.5	33.2	31.2	27	34.1	24.6	91	89	60	54	61	81	------
8	55.48	55.45	55.80	54.44	54.11	54.97	26.2	25.7	30.7	31.9	29.5	27.1	34.3	25.5	86	88	68	64	76	87	------
9	53.97	54.14	54.03	52.74	52.56	53.80	25.7	25.2	30.5	28.6	29	27	34.8	25	91	90	68	85	78	80	3.3
10	52.45	52.48	53.21	51.94	52.52	53.76	26.9	26.5	30	33	29.5	27.5	34.7	26.4	81	88	73	59	75	81	------
11	53.30	53.41	54.10	53.09	53.81	55.23	27	27	31	33.5	30.2	26.9	34.7	26.5	83	81	66	61	70	83	------
12	54.87	54.95	55.57	54.16	54.64	56.23	25.9	25.4	32.5	32.5	29.1	26.5	33.9	25	89	93	63	64	74	85	------
13	55.25	55	55.08	53.67	54.25	55.43	56.5	25.2	30.4	31	28.4	27	33.3	55	88	89	69	65	72	79	------
14	54.23	54.40	55.28	54.37	55.46	57.37	26.2	25.6	30.5	33	29	25.8	34.3	25.5	81	83	64	62	74	91	.5
15	56.51	56.89	57.87	56.61	57.56	59.31	25.1	26	30	33.5	29.2	25.4	34.3	25	91	86	66	53	74	91	------
16	58.53	58.90	59.06	57.50	58.16	59.63	24.6	25	30.5	33.8	29.7	26.5	34.7	24	95	94	65	56	76	85	------
17	57.63	58.33	58.87	56.59	56.75	57.97	25.4	24.8	32.2	33.5	30	26.6	35	24.2	88	88	57	53	69	84	------
18	56	56.09	57.05	55.41	56.20	57.14	25.3	25.6	28	28.5	25	23.9	30.3	23.4	91	87	80	74	94	94	10.4
19	55.42	55.55	56.70	55.29	56.07	57.26	23.6	24	27.6	28.5	26.8	24.7	28.8	23	95	91	80	78	78	90	.5
20	56.22	56.26	57.29	55.55	56.04	57.69	24	24.4	30	30.5	26.3	25	32.3	23.4	93	90	68	63	82	90	------
21	56.94	57.21	57.63	55.42	55.90	57.13	23.8	23	31	32.8	30.2	26	34.2	22.7	91	96	62	56	66	84	------
22	56.53	56.70	57.02	55.59	55.88	57.68	24	23	31.5	32.2	29.2	25.3	33.7	22.7	90	96	58	57	73	93	------
23	56	55.85	56.83	55.25	55.48	57.03	24	24	29	31	28.2	26.5	32.3	23.5	97	96	75	68	83	90	3.1
24	55.10	55.18	56.22	53.60	53.16	54.20	25.3	25.6	24.5	25.5	25.3	24.7	26.6	22	94	92	92	92	84	94	71.5
25	52.39	51.66	52.47	50.11	50.28	52.49	24	24	25.6	28.5	27	26	28.8	23.9	96	96	86	78	80	80	.8
26	51.50	51.61	52.95	51.66	52.86	54.68	25.8	26	29.5	32	28.5	26.8	33.3	25.5	80	78	70	58	78	83	------
27	54.30	54.93	55.39	54.47	55.29	57.67	25.6	24.5	30.3	32	29	26	33.4	23.9	90	96	70	67	78	92	------
28	56.68	57.20	57.39	56.28	56.59	57.77	26	25.3	31.3	33.7	29.8	26.5	34.8	25	92	95	67	59	76	88	------
29	56.60	56.71	57.02	54.89	55.36	56.11	25.4	25.3	31	33.3	30	26.8	34.3	24.8	93	93	65	59	68	76	------
30	55.26	55.20	56.47	54.71	55.16	55.57	26.2	25.8	31.5	31.5	29.3	27.1	33.6	25.2	82	89	66	66	76	80	------
31	55.42	55.60	55.78	53.90	55.06	57.27	26.4	25.5	32.4	33	29.2	27.5	34.6	25.1	84	92	64	56	72	81	------
Mean	55.38	55.52	56.15	54.62	55.12	56.61	25.4	25.2	30.2	31.6	29	26.2	33.3	24.5	89.2	89.8	68.8	64.6	75	86.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	92.2

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	SSW	SSW	SSW	SW	Calm	64.9	95.8	105.7	45.4	311.8	10	Ci.-S.	S.-Cu. SSW	10	Ci.-S.	Cu. SSW
2	SSW	SSW	SSW	SSW	SSW	Calm	51.7	75.8	35.6	10.7	173.8	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SSW
3	SSW	Calm	SSW	SW	SW	Calm	15.8	78.6	82.6	30.1	207.1	2	Ci.	Cu.	6	Ci.	Cu. WSW
4	Calm	Calm	SW	SW	SW	Calm	8	60.6	81	19.8	169.4	6	Ci.	Cu.	8	Ci.	Cu. WSW
5	Calm	Calm	SW	SW	SW	SW	9.4	49.9	66	27.7	153	10	Ci.-S.	Cu.	5	Ci.	Cu. W
6	Calm	Calm	SW	WSW	Calm	Calm	29	80.7	61.4	23.6	194.7	4	Ci.	Cu.	4	Ci.	Cu. W
7	SW	SW	SW	W	WSW	Calm	39.4	66.5	66.2	30.1	202.2	3	Ci.	Cu.	3	Ci.	Cu. W
8	SW	SW	SW	WSW	SW	SW	58.9	84.3	67.1	59.8	270.1	6	A.-Cu. NNE	Cu.	10	Ci.-S.	Cu.
9	SW	SW	WSW	SW	SW	SW	62	89.5	90.1	83.7	325.3	10	Ci.-S.	Cu.	10	Ci.-S.	S.-Cu. WSW
10	SW	SW	WSW	SW	SW	SW	79.9	87.2	115.3	88.3	370.7	10	Ci.-S.	Cu. WSW	8	Ci.	Cu. WSW
11	SW	SW	SW	SW	SW	SW	87.1	113.7	102.4	51.5	354.7	10	Ci.-S.	Cu. W	8	Ci.-Cu.	Cu. SW
12	SW	Calm	SW	SSW	SW	Calm	30.1	62.8	56.6	39.9	189.4	8	Ci.-S.	Cu.	8	Ci.-S.	Cu. SW
13	SSW	SW	SW	SW	SW	SW	62	78.7	77.2	59	276.9	10	Ci.-S.	Cu. SW	10	Ci.-S.	Cu. SW
14	SW	SW	SW	SSW	SW	SW	86.9	91.1	86.1	45.3	309.4	10	Ci.-S.	Cu. SW	9	A.-Cu.	Cu. SW
15	SW	SW	SW	SW	SW	Calm	51.2	90.3	94.1	18.2	253.8	10	Ci.-S.	Cu. SW	10	Ci.-S.	Cu. SW
16	Calm	SW	SW	SW	Calm	SW	13.1	60.7	61.2	36	171	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. W
17	SW	SW	WSW	WSW	SW	SW	67.3	83.9	76.6	43.8	271.6	9	Ci.-S.	Cu.	4	Ci.	Cu. WSW
18	SW	SW	SW	W	SW	SW	56.3	69.7	53.3	53.4	232.7	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. WNW
19	SW	SW	SW	SW	SW	SW	57.7	71.9	56.1	38.9	224.6	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
20	SW	SW	SW	SW	SW	Calm	64.2	72.4	76.1	28.4	241.1	10	Ci.-S.	Cu. WSW	10	Ci.-S.	Cu. WSW
21	SW	Calm	SW	SW	SW	SW	25.7	51.3	72.1	24.6	173.7	3	Ci.	Cu.	9	A.-Cu.	Cu. WSW
22	Calm	Calm	SW	NNW	Calm	Calm	10.8	49.3	54.7	17.9	132.7	7	Ci.	Cu.	6	Ci.-S.	Cu. W
23	Calm	W	WNW	NNW	Calm	Calm	26	42.6	58.9	16.1	143.6	10	Ci.-S.	Cu. ENE	6	Ci.	Cu. NNW
24	WNW	WSW	WNW	WSW	W	WSW	45.4	56.1	65.8	63	230.3	10	Ci.-S.	S.-Cu. NW	10	----------	Fr.-N. NW
25	WSW	WSW	WSW	SW	SW	SW	98.7	105.2	113.7	122.3	439.9	10	----------	Fr.-N. W	10	Ci.-S.	Cu. SW
26	SW	SW	SW	SW	SW	SW	117.8	147.9	123.1	61.8	450.6	10	Ci.-S.	Cu. SW	10	Ci.-S.	Cu. SW
27	SW	Calm	SSW	SW	SW	Calm	22.8	84.7	84.5	18.2	210.2	10	Ci.-S.	Cu. SW	10	Ci.-S.	Cu. SW
28	SW	Calm	SW	SW	SW	Calm	23.3	83.7	82.1	29	218.1	8	Ci.	Cu. SW	4	Ci.	Cu. SW
29	SW	SW	SW	SW	SW	SW	40.8	112.3	108	55.7	316.8	3	Ci.	Cu. SW	4	Ci.	Cu. SW
30	SW	SW	SW	SW	SW	SW	67.8	91.7	78.6	58.1	306.2	6	Ci. NE	Cu. SW	10	Ci.-S.	Cu. SW
31	SW	SW	SW	SW	SW	SW	60.9	90.1	112.5	66	329.5	8	Ci.	Cu. SW	10	Ci.-S.	Cu. SW
Mean	------	------	------	------	------	------	49.5	80	79.5	44.4	253.4	8.2	----------	----------	8.1	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	7,854.9	----	----------	----------	----	----------	----------

PARACALE.

[$\phi = 14°\ 17'$ N; $\lambda = 122°\ 47'$ E; barometer above sea, 5.3 meters; gravity correction not applied, —1.73 mm.]

SEPTEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	56.58	56.63	57.53	56.19	57.20	58.73	26.2	26	30.9	32.9	29.7	26.4	34.3	25.3	89	88	66	63	77	87	------
2	58	58.21	58.40	56.48	56.39	58.26	25	24.8	31.9	34.8	31	26.3	35.8	24.5	92	92	64	56	72	90	------
3	56.90	56.96	57.50	55.70	56.83	58.87	25.4	25.6	32.4	34.5	29.2	26.5	36	25	85	84	64	54	76	92	------
4	57.12	58	58.22	56.79	57.49	58.40	26.2	24.8	31.5	33.4	30	27.4	35.3	24.4	90	90	65	64	75	85	------
5	57.28	57.85	59.22	56.68	57.18	58.85	25.1	25	31.4	34	29.9	26.9	35.3	24.9	93	92	61	56	77	89	------
6	57.32	57.70	58.86	57.10	57.48	59.38	25.4	24.4	31.4	32.4	28.9	25.9	33.8	24.3	95	97	64	58	83	92	------
7	58.42	58.64	59.45	57.69	58.30	59.41	25	24.8	31.9	31.9	28.1	27	33.3	24.5	96	96	67	69	79	80	5.6
8	58.40	58.53	58.89	57.30	57.43	58.49	26.4	24.2	30.2	32	27.3	26	32.8	24	84	98	74	67	82	92	12.2
9	57.85	58.01	58.71	57.19	57.44	59.37	24.6	24.8	29.6	31	28.1	26	32.9	24.2	97	93	77	71	80	92	1.9
10	58.69	58.56	59.76	58.34	58.41	59.59	25	24.2	30.4	32.4	27.3	26.1	33.4	24	95	98	70	60	86	94	15.8
11	58.51	58.71	60.33	59	58.47	60.07	25	25.1	24.4	26.6	26.6	26.4	27.3	23.8	98	98	97	89	90	87	62
12	58.51	58.60	59.38	57.38	57.96	59.34	26	26.4	28.2	31.8	28.1	24.9	32.3	24.7	88	93	83	74	87	97	17
13	58.05	58.10	58.80	56.55	57.01	58.20	24	23.5	30.4	31.1	28.9	25.4	32.4	23.4	98	99	76	74	78	97	2.8
14	56.96	57	57.64	56.08	56.18	57.50	24.8	23.9	28.7	28.8	27.6	25	31.8	23.6	95	97	80	72	84	96	1.6
15	55.46	56.27	56.10	54.65	54.72	55.29	24.6	24.4	29.4	31.4	27.5	26.6	32.2	24	97	97	72	60	83	87	------
16	53.98	53.96	54.47	52.41	53.08	54	25.7	26	29.9	31.2	28.3	27.5	32.1	25.5	91	91	75	67	72	76	------
17	53.85	54.78	55.48	53.74	54.01	55.93	27	26	30.4	32	27.8	27	32.6	25.6	79	87	69	63	82	83	------
18	54.88	55.40	56.43	55.19	56.05	57.28	25.9	25.9	28	26.3	26.2	25	30.8	24.8	89	88	82	87	85	96	3.1
19	55.73	55.99	57.71	56.06	56.08	58.23	24.9	23.9	25.9	25.4	25.8	25.4	27.8	23.9	94	99	93	94	89	88	33.2
20	57.51	57.47	58.63	57.89	57.60	59.14	24.4	24.2	29.6	25.4	25.3	24.5	32.1	24	97	98	76	97	97	98	10.2
21	58.35	58.35	58.74	56.58	56.91	57.98	24	24.2	28.9	30.4	27.7	25.4	31.2	23.6	98	98	78	76	84	96	42.2
22	56.80	56.52	57.44	55.77	56.46	58.24	24	23.8	27.9	30.4	28	25.3	31.7	23.5	98	97	82	76	83	98	.8
23	57.38	57.80	58.42	56.71	57.58	59.02	24	23.4	30.4	31	28.3	25.4	31.9	23.2	96	98	69	71	81	97	11.4
24	58.20	58.45	59.16	57.65	57.57	58.74	24	23.5	30.1	29.9	27.6	25.4	31.9	23.4	96	98	71	72	82	97	2.5
25	57.51	57.63	57.98	56.41	56.01	56.37	24.4	26.2	30.4	30.6	28	28	31.3	24.3	92	86	72	68	77	85	2.5
26	54.83	54.02	54.31	51.38	50.63	50.54	27.3	25.8	29.9	29.5	27.9	27.1	31.2	25.5	86	93	69	75	85	85	.3
27	49.25	49.33	50.12	49.34	50.35	52.66	27.4	27.6	28.6	28.4	26.9	27.4	30.1	26.4	81	80	73	75	85	80	------
28	52.70	52.75	54.04	53.47	54.20	55.95	27.5	27.2	29.4	29.5	27.4	27.3	30.5	26.8	78	80	72	72	78	78	------
29	55.27	56	57.39	55.66	56.73	57.78	26.5	25.9	26.9	30.4	26.7	26.2	30.8	25.6	83	86	87	70	86	82	------
30	56.29	56.59	57.74	56.26	56.93	58.32	26.3	26	30.9	31.6	28.1	26.4	33.2	25.4	82	84	66	65	79	81	------
Mean	56.55	56.76	57.56	55.92	56.29	57.65	25.4	25	29.7	30.7	27.9	26.2	32.3	24.5	91.1	92.5	73.8	70.5	81.8	89.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	225.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	SW	SW	SW	SW	SW	51.3	86.9	93.6	33.6	265.4	10	Ci.-S.	Cu.	8	Ci.-S.	Cu. SW
2	SW	Calm	SW	SW	Calm	SW	41	73.4	70.2	38	222.6	1	Ci.	Cu.	5	Ci.	Cu. SW
3	SW	SW	SW	SW	WSW	SW	81.8	115.6	61	27.9	286.3	6	Ci.	Cu.	6	Ci.	Cu. SW
4	SW	SW	WSW	NNE	Calm	SW	51.5	76.6	35.6	33.3	197	10	Ci.-S.	Cu.	8	Ci.	Cu. SW
5	SW	Calm	WSW	W	Calm	Calm	46.2	68.2	50.5	25.1	190	10	Ci.-S.	Cu.	8	Ci.-S.	Cu. SW
6	Calm	Calm	SSW	NW	Calm	Calm	14.3	50.9	50.2	12.4	127.8	7	Ci.	Cu.	6	Ci.	Cu. SW
7	Calm	Calm	N	NE	ENE	NE	16.7	35.9	67.4	35.2	155.2	9	Ci.	Cu. W	6	Ci.	Cu. NE
8	NE	Calm	NE	NE	E	Calm	37.3	45.6	80.2	24.3	187.4	8	Ci.-S.	Cu. NE	8	Ci.	Cu. NE
9	Calm	Calm	NE	ENE	ENE	ENE	27.4	49.4	80	38	194.8	10	Ci.-S.	Cu. ENE	9	Ci.	Cu. ENE
10	Calm	Calm	NE	NE	NE	Calm	17.9	63.3	69.8	32.5	183.5	4	Ci.	Cu. ENE	6	Ci.-S.	Cu. NE
11	Calm	SW	Calm	Calm	NE	ENE	24.6	23.6	18.3	58.7	125.2	10	----------	N. SW	10	Ci.-S.	Cu. NE
12	Calm	ENE	Calm	E	Calm	Calm	22.3	57.3	56.3	22.3	158.2	7	Ci.	S.-Cu. E	4	Ci.	Cu. E
13	Calm	Calm	ENE	NE	E	Calm	17.4	37.6	72.9	17.1	145	3	Ci.	Cu.	4	Ci.	Cu. NE
14	Calm	Calm	NNE	NE	Calm	Calm	20.4	42.6	55	18.7	136.7	9	Ci.-S.	Cu. NE	10	Ci.-S.	S.-Cu. N
15	Calm	Calm	W	W	Calm	WSW	23.9	53.4	42	42.3	161.6	10	Ci.-S.	Cu. NW	10	Ci.-S.	Cu. WNW
16	SW	SW	SW	SW	SW	SW	80.8	125.5	117.7	133.6	457.6	10	Ci.-S.	Cu. SW	10	Ci.-S.	Cu. SW
17	SW	SW	SW	SW	SW	SW	88.7	81.6	86.1	52.6	309	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
18	SW	SSW	SSW	Calm	SSW	Calm	48.3	93.9	69.2	29.8	241.2	10	Ci.-S.	Cu. SSW	10	Ci.-S.	Cu.
19	Calm	Calm	Calm	Calm	SW	SW	13.2	20.6	27.6	30.4	91.8	4	Ci.	Cu.	10	Ci.-S.	S.-Cu. SW
20	Calm	Calm	SW	Calm	Calm	SW	24.7	46.2	26.2	28	125.1	4	Ci.	Cu.	10	Ci.-S.	N. SW
21	Calm	Calm	Calm	N	Calm	NW	16.3	27.6	48.8	27.6	120.3	3	Ci.	Cu.	7	Ci.-S.	Cu. NNW
22	W	Calm	Calm	NE	E	Calm	26.9	32.7	58.9	11.3	129.8	10	Ci.-S.	Cu. NW	2	Ci.	Cu. E
23	Calm	Calm	NE	NE	Calm	Calm	22	44	61.7	13.1	140.8	2	Ci.	Cu.	3	Ci.	Cu. E
24	Calm	Calm	NE	NNE	Calm	Calm	22.2	36.7	54.5	17.9	131.3	3	Ci.	Cu.	4	Ci.	Cu. N
25	Calm	Calm	N	N	N	NNW	19.8	57.9	62.6	35.2	175.5	7	Ci.	S.-Cu. N	5	Ci.	Cu. N
26	Calm	SW	WSW	WSW	WSW	SW	47	70.8	93.6	118.5	329.9	10	Ci.-S.	Cu. NW	10	Ci.-S.	Cu.
27	SW	SW	SW	SW	SSW	SSW	149.7	178.6	152.1	102	582.4	10	Ci.-S.	Cu. W	10	Ci.-S.	Cu. SW
28	SSW	SSW	SW	SSW	SSW	SSW	119.1	127.1	115.9	102.2	464.3	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. S
29	SSW	SSW	SSW	SSW	SSW	SSW	81.1	70	53.3	61.8	266.2	10	Ci.-S.	Cu. S	10	Ci.-S.	Cu. S
30	SSW	SW	SSW	SSW	SW	SW	71.1	102.7	70.3	28	272.1	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SSW
Mean	------	------	------	------	------	------	44.2	66.5	66.7	41.7	219.1	7.6	----------	----------	7.6	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	6,574	----	----------	----------	----	----------	----------

PARACALE.

[ϕ=14° 17′ N; λ=122° 47′ E; barometer above sea, 5.3 meters; gravity correction not applied, —1.73 mm.]

OCTOBER, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a.m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	56.93	57.75	58.91	56.68	57.58	59.58	26	26	30.4	32	28	25.1	33.6	24.5	82	84	70	66	81	95	------
2	58.91	59.58	60.86	59.09	60.05	61.41	24.1	22.9	30.9	32	28	25.6	33.3	22.8	98	98	71	64	82	95	------
3	59.72	60.43	61.35	59.24	59.16	60.83	24.1	23	31.5	32	28	24.8	33	22.9	97	98	72	66	79	94	------
4	59.23	59.40	60.08	57.72	58.63	59.77	24	23	30.6	31.9	27.9	25.6	32.8	22.9	95	98	71	67	82	95	------
5	59	59.20	59.73	57.67	58.60	59.86	24.3	23.4	31.4	31.4	27.9	25	32.8	23.3	96	97	68	71	84	96	------
6	58.89	59.10	60.18	58.12	59	60.72	23.7	23.5	31	31.6	27.9	24.7	32.9	23	97	97	69	67	84	96	------
7	59.60	59.73	60.91	59.51	60.02	61.27	23.3	23.1	30.2	31.9	27.3	25.9	32.8	23	98	99	71	67	84	90	------
8	59.98	60.73	61.70	59.96	60.63	61.80	23.8	23.4	31	30.9	27.9	27.4	32.6	23.1	96	97	65	66	77	81	0.5
9	61.09	61.49	62.02	59.92	60	60.86	27.1	26.5	30.2	29	27.5	27.5	30.8	25.2	83	91	74	81	88	88	5.3
10	59.74	60.02	61.55	59.39	59.28	60.06	27	27	29.8	30.1	27.9	27.3	31.5	26	90	84	79	77	82	86	8.9
11	59.43	59.54	60.26	58.51	58.98	60.03	26.5	26.2	30.4	30.6	27.6	25.5	31.8	24.8	84	82	72	75	84	96	5.6
12	59.23	59.36	60	57.98	58.73	59.51	24.4	24.2	29.9	30	26.6	27.5	32.3	24	97	98	75	75	91	88	47.9
13	59.03	59.16	60.58	58.05	58.87	59.98	24.8	25.6	27.4	27.4	27.1	27	30.3	24.5	98	93	89	88	90	81	25.2
14	58.83	59.05	60.13	58.52	59.21	60.32	25.9	23	29.4	31.4	27	24.3	31.8	22.9	85	98	79	73	81	97	------
15	59	59.42	60.17	58.56	59.21	60.68	23.1	22.4	29.4	30	26	24.9	31.5	22.1	96	96	77	75	92	98	82.3
16	59.62	59.85	60.80	58.81	59.07	60.52	25	24	26.9	30.3	26.4	24.6	31.2	23.8	97	99	89	72	89	97	29
17	59.53	60.38	61.17	59.07	59.74	61.18	23.9	23.3	29	30.6	25.9	25.9	31.8	23.2	95	97	75	73	94	92	54.1
18	60.29	61.04	62.01	60.67	61.29	62.26	26.1	25.5	28.6	29.4	26.5	27.3	30.8	24	89	92	78	72	85	81	6.3
19	60.68	60.88	61.71	59.88	60.13	61.77	27.2	27.3	28.5	27.5	27	27	30.3	24.8	79	76	78	84	79	78	17
20	60.38	60.41	61.28	59.33	59.89	61.83	26.8	26.4	28.9	27.9	27	26.8	30.3	23.9	77	74	71	77	73	77	------
21	60.51	60.73	61.78	60.28	60.93	62.36	26.1	26.2	28	29	26.8	26.5	30.4	23.9	78	75	74	67	69	73	1
22	61.43	61.58	62.91	61.11	61.61	62.43	26.3	26.4	30	29.9	26.5	25	30.8	23.2	74	73	65	62	74	88	.3
23	61.20	61.85	62.62	60.93	61.36	62.44	23.8	23.1	29.9	29.9	26.5	24.5	31	23	95	97	72	66	76	86	2.3
24	61.43	61.88	62.93	60.67	61.11	62.18	23.2	23.7	28.9	29.3	25	24.8	30	23	95	94	71	70	88	93	3.8
25	61.23	62.15	63.06	61	61.33	62.22	24.5	23.4	29.2	30.4	25.5	23	31.2	22.2	96	97	71	66	80	96	11.9
26	61.62	61.79	62.63	60.78	61.45	62.94	22	22.4	29.1	30.1	26.9	25.4	31	21.5	98	99	74	68	78	86	4.5
27	62.12	62.35	62.98	61	61.76	62.82	24.3	23.3	28.4	30	26.4	23.1	30.8	22.3	92	97	71	65	77	95	------
28	62.18	62.61	63.53	61.41	61.91	63.22	22.2	22.2	28.5	29	27.1	24.5	30.5	21.6	99	98	74	75	80	96	2.8
29	62.02	62.49	62.93	61.28	61.83	62.54	25.3	25.2	28.6	26.6	25.4	25.1	28.8	24.8	96	97	77	92	93	95	22.9
30	61.54	62.19	63.26	61.11	61.61	62.39	24.9	26.5	28.6	28	26.5	25.5	30	24	92	84	77	82	88	93	3.9
31	61.02	61.41	62.03	59.87	60.65	61.53	26.2	26	29.9	30	26.3	26.4	31.2	24.9	86	88	74	71	90	86	3.3
Mean	60.17	60.57	61.49	59.55	60.12	61.33	24.8	24.5	29.5	30	26.9	25.6	31.4	23.5	91.3	91.8	74	72.3	83	89.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	338.3

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	SW	SW	SW	SW	Calm	27.9	68.9	66.8	13.2	176.8	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SSW
2	Calm	Calm	NNE	NE	ESE	Calm	8.6	34.4	52.1	15.3	110.4	10	Ci.-S.	Cu.	2	Ci.	Cu.
3	Calm	Calm	NE	ENE	Calm	Calm	17.4	48	63.3	13.1	141.8	4	Ci.	Cu.	0	Ci.	Cu.
4	Calm	Calm	NE	NNE	Calm	Calm	15.3	42.6	54.2	13.4	125.5	1	Ci.	Cu. NE	1	Ci.	Cu. NE
5	Calm	Calm	NE	NE	Calm	Calm	20.1	39.4	53.1	11.1	123.7	6	Ci.	Cu.	8	Ci.-S.	Cu.
6	Calm	Calm	NNE	ENE	Calm	Calm	14.7	34.9	48	15.8	113.4	5	Ci.-Cu.	Cu.	3	Ci.	Cu. NE
7	Calm	Calm	NE	ENE	ENE	Calm	18	51.5	70	21.7	161.2	2	Ci.	Cu.	2	Ci.	Cu. E
8	Calm	Calm	NE	NE	NNE	NE	12.9	53.9	70.2	59.8	196.8	4	Ci.	Cu. E	4	Ci.	Cu. NE
9	NE	NE	NNE	NE	NNE	NNE	63.9	93.5	80.8	85.9	324.1	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	Cu. NE
10	NE	NE	NE	NNE	NNE	NNE	82.4	93.5	82.1	77.5	335.5	7	Ci.	Cu. NE	6	Ci.	Cu. NE
11	E	ESE	NE	NE	E	Calm	64.4	60.2	57.1	16.3	198	4	Ci.	Cu. E	5	Ci.	Cu. NE
12	Calm	Calm	E	NNE	NNE	NNE	20.9	65.5	53.3	49.1	188.8	8	Ci.	Cu. NE	8	Ci.	Cu. NNE
13	NNE	NNE	NNE	NNE	NE	NE	29.2	91.9	93.6	71.1	285.8	10	Ci.-S.	S.-Cu. NNE	10	Ci.-S.	S.-Cu. NE
14	Calm	Calm	NE	NE	E	Calm	26.9	38.9	48.1	11.1	125	5	Ci.	Cu. NE	10	Ci.-S.	S.-Cu. NE
15	Calm	Calm	NE	NE	NE	Calm	15.6	36.4	83.4	21.7	157.1	3	Ci.	Cu. E	5	Ci.	Cu. NE
16	Calm	Calm	SW	NE	Calm	Calm	28.2	40.5	54.5	9.7	132.9	10	Ci.-S.	S.-Cu. NE	4	Ci.	Cu. E
17	Calm	Calm	NE	NE	Calm	NE	11.3	36.4	72.4	59.7	179.8	6	Ci.	Cu. NE	7	Ci.	Cu. NE
18	ENE	E	E	E	ENE	ENE	82.6	114.5	141.6	146.4	485.1	10	----------	S.-Cu. ENE	8	Ci.	Cu. ENE
19	ENE	ENE	ENE	NE	NE	NE	162.5	137.3	153.7	137.1	590.6	8	Ci.	Cu. NE	10	Ci.-S.	S.-Cu. NE
20	NE	NE	NE	NE	NE	NE	130	114.6	140	132	516.6	3	Ci.	Cu. NE	10	Ci.-S.	Cu. NE
21	ENE	ENE	ENE	ENE	NE	NE	110.8	122.1	112.4	65	410.3	4	Ci.	Cu. NE	5	Ci.	Cu. NE
22	NNE	NNE	NNE	NNE	E	Calm	65.7	72.6	67.3	27.6	233.2	4	Ci.	Cu. NNE	3	Ci.	Cu. NE
23	Calm	Calm	ENE	ENE	ENE	Calm	22.3	44.3	75.3	42	183.9	9	Ci.-S.	Cu. E	2	Ci.	Cu. ENE
24	Calm	SE	E	ESE	Calm	ENE	27.7	38.3	57.3	21.9	145.2	10	Ci.-S.	Cu. NE	8	Ci.-S.	Cu. E
25	Calm	Calm	E	NE	Calm	WSW	16.7	36.5	58.5	19.3	131	4	Ci.	Cu. E	3	Ci.	Cu. E
26	Calm	Calm	E	E	E	E	18.2	40.2	68.2	37.6	164.2	10	----------	S.-Cu. E	3	Ci.	Cu. E
27	Calm	Calm	E	E	Calm	Calm	20.6	52	56.3	20.9	149.8	8	Ci.	Cu. E	3	Ci.	Cu. E
28	Calm	Calm	NNE	NE	NE	Calm	20.3	44.5	58.9	58.9	182.6	6	Ci.	Cu. E	8	Ci.	Cu. NE
29	ENE	NE	ENE	ENE	ENE	NE	62.2	93.9	55.7	61	272.8	10	----------	S.-Cu. ENE	10	Ci.-S.	S.-Cu. ENE
30	NE	NE	NE	NE	NE	NE	78.9	95.6	71.4	53.1	299	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	S.-Cu. NE
31	NE	NE	NE	NE	Calm	NE	85.5	88.5	72.7	65.5	212.2	7	Ci.	Cu. NE	2	Ci.	Cu. NE
Mean	------	------	------	------	------	------	44.6	65.3	73.9	46.9	230.7	6.7	----------	----------	5.8	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	7,153.1	----	----------	----------	----	----------	----------

PARACALE.

[ϕ=14° 17′ N; λ=122° 47′ E; barometer above sea, 5.3 meters; gravity correction not applied, —1.73 mm.]

NOVEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.52	60.94	61.88	59.70	59.81	61.88	26.5	26.4	29.5	29.3	26.9	26.7	30.8	25.5	87	89	75	72	75	75	------
2	60.81	61.26	62.01	59.80	60.36	61.63	26	25.2	29	28.4	27.4	26.7	30	23.8	76	80	68	75	78	81	3.3
3	60.51	60.92	62.31	59.69	60.58	61.83	26.2	26.1	26.7	27.6	26.2	26.5	28.7	24.9	84	87	83	76	82	80	7.8
4	60.63	61.15	61.44	59.36	59.47	60.03	26	25.2	28	27.4	26.4	26.1	29.8	24.8	72	74	61	67	70	69	------
5	58.34	58.46	59.43	57.38	57.29	58.01	26	26	26	28	26	26.6	28.7	24.4	69	67	76	70	72	68	.8
6	57.01	57.06	58.06	56.13	56.72	58.04	26.3	26.2	27.9	27.8	25	25.8	29.5	24.9	69	70	70	68	88	78	4.3
7	57.20	57.65	59.10	57.69	58.93	60.64	26	24.4	23.9	28	26.4	26	28.8	23.7	84	97	93	74	76	76	12.9
8	60.23	60.97	62.11	60.61	61.44	62.78	25.9	25.2	28	27.5	26	26	29.5	25.2	75	79	70	70	76	79	1
9	62.34	63.48	64.28	62.53	63.13	63.98	25.7	23.5	24	24.9	23.2	25	28.2	23	78	94	91	87	94	80	16.4
10	63.38	63.53	64.49	62.63	63.12	63.98	25	24	27.4	28.1	25.2	25	29.3	23.8	80	86	72	66	70	72	1.3
11	63	63.20	63.86	61.98	62.43	63.28	24.5	23.9	27.6	27.8	25.3	25	29.8	23.4	73	68	66	68	78	77	------
12	62.50	62.58	63.27	61.51	62.14	63.36	24.5	24.2	28.6	29	25.5	25.5	30.3	23.6	79	78	65	68	84	80	3.8
13	62.16	62.61	63.38	61.33	61.59	62.99	25.2	26	27.6	27.6	26.4	26	30.1	24.3	83	79	76	78	81	77	1.3
14	62.07	62.26	62.86	60.91	61.93	63.07	26	25.6	28.5	28.5	25.9	26	30.3	24.4	77	81	74	71	77	80	------
15	61.14	61.24	62.19	59.83	60.49	61.93	26	26	28	29	26.4	26.5	30	23.9	82	84	83	81	90	89	11.8
16	60.69	61.22	62.14	60.16	60.72	62.13	26	26.2	28.9	28.9	26.6	26.5	30	25.4	87	84	75	74	84	84	.5
17	60.99	61.23	61.88	59.86	59.92	60.88	25.9	26.2	26.7	28.6	26.6	26.4	29.5	23.6	87	84	88	80	90	89	11.2
18	60.33	60.91	62.29	60.36	60.88	62.04	24.8	26.1	28.4	28.9	26.5	25.5	29.8	23.9	95	89	76	72	82	90	4.5
19	60.61	60.67	61.99	59.99	60.29	61.19	25.2	25.3	28.2	28	26.4	25.5	29.8	24.8	92	92	83	81	86	88	13.2
20	59.91	60.09	60.98	58.76	59.36	60.34	25.6	26	28.9	28.6	26.6	26.5	30.3	24.2	88	92	78	78	86	89	3
21	59.20	59.35	60.23	58.15	58.33	59.44	26.2	26	27	27.4	26	26.3	29.4	24.8	89	90	87	85	92	85	8.7
22	58.86	59.13	60.32	58.22	58.29	59.18	25.7	25.2	29	30	26.4	26	30.8	24.8	87	90	77	71	85	86	1.6
23	58.89	59.10	60.09	58.34	58.78	59.57	24	23.8	27.6	28.6	25.9	25	30.2	23.6	97	97	84	80	88	95	3.5
24	59.30	59.90	60.63	58.89	59.88	61.31	23	22.1	28.5	30	27	25.8	30.8	22	95	99	78	71	83	85	------
25	60.44	61.14	62.16	60.43	60.86	61.94	25.6	25.3	29	29.5	26	25.6	30.8	25	87	89	76	71	84	80	------
26	61.09	62.08	63.04	60.91	61.38	62.39	25.1	24.9	28.9	29.4	25.6	24.9	30.5	24.5	81	78	68	64	79	82	------
27	61.53	62.40	63.09	60.85	61.43	62.29	24.2	24.9	28.1	28	26.5	25.4	30.3	21.9	82	79	70	70	74	81	------
28	61.30	62.08	62.71	60.78	61.52	62.39	22.5	21.4	29	29.8	26.4	26	30.6	21.1	96	99	69	66	77	85	------
29	61.78	62.39	63.03	60.80	61.38	62.29	25.6	25.5	29.4	28.6	26	26	30.5	25.4	85	84	71	70	80	77	------
30	61.29	61.84	62.74	60.92	61.11	61.82	26	26	28.4	29	26.6	26.4	30.5	24.9	78	83	74	69	80	84	1.3
Mean	60.60	61.03	61.92	59.95	60.45	61.57	25.4	25.1	27.9	28.4	26.1	25.9	29.9	24.1	83.1	84.7	75.9	73.1	81.4	81.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	112.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	NE	NE	NE	NE	NE	85.6	106.7	108.9	101.9	403.1	5	Ci.	Cu. NE	4	Ci.	Cu. NE
2	NNE	NNE	NNE	NNE	NNE	NNE	83.2	82.9	102	108	376.1	7	Ci.	Cu. NE	8	Ci.	Cu. NE
3	NE	NE	NE	NNE	NE	NNE	117.5	128.1	147.9	131.7	525.2	8	Ci.	S.-Cu. NNE	10	Ci.-S.	S.-Cu. NE
4	NNE	NNE	N	NNE	NNE	NNE	115.4	104.6	106.2	111	437.2	10	Ci.-S.	Cu. NNE	10	Ci.-S.	Cu. NNE
5	NNE	NNE	NW	NW	NNW	N	104.9	86.9	73.7	56.9	322.4	7	Ci.	Cu. NNE	10	Ci.-S.	Cu. NW
6	NNW	NNW	WNW	WNW	Calm	NW	57.4	60.6	61.4	70.5	249.9	10	Ci.-S.	Cu. NNW	10	Ci.-S.	Cu. NW
7	NW	Calm	WNW	NW	NNW	NNW	43.5	56.9	99.5	85.8	285.7	10	Ci.-S.	S.-Cu. WNW	10	Ci.-S.	S.-Cu. NNW
8	NNW	NNW	NNW	N	NNW	N	73.4	48.8	63.1	70.6	255.9	10	Ci.-S.	Cu. NNW	10	Ci.-S.	Cu. N
9	W	W	SE	SE	Calm	NE	53.3	37.6	41.2	54.7	186.8	10	----------	Cu.-N. NE	10	Ci.-S.	S.-Cu. NE
10	ENE	ESE	ENE	ENE	ENE	ENE	96.3	119.1	101.1	82.9	399.4	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	Cu. NE
11	ENE	ENE	ENE	ENE	NE	NE	83.2	85.3	92.7	61.7	322.9	0	----------	Cu. ENE	5	Ci.	Cu. ENE
12	NE	E	NNE	NE	NE	NE	63.9	84.5	98.5	96.1	343	5	Ci.	Cu. E	6	Ci.	Cu. NE
13	ENE	ENE	ENE	ENE	NE	NE	80.2	131.5	119.1	136	466.8	6	Ci.	Cu. ENE	4	Ci.	Cu. ENE
14	ENE	ENE	NE	NE	ENE	NE	140.5	122.9	136.3	112.1	511.8	4	Ci.	Cu. ENE	4	Ci.	Cu. ENE
15	NE	NE	NE	NE	NE	NE	112.5	97.6	134.2	128.7	473	10	Ci.-S.	S.-Cu. ENE	10	Ci.-S.	Cu. ENE
16	NE	ENE	NE	ENE	ENE	ENE	119.1	136.8	168.9	150.2	575	10	Ci.-S.	Cu. ENE	4	Ci.	Cu. ENE
17	NE	NE	ENE	NE	NE	NE	130.2	134.9	140.6	102.8	508.5	10	Ci.-S.	S.-Cu. ENE	9	Ci.-S.	Cu. ENE
18	NE	NE	NE	NE	NE	NE	100.6	148.9	133.1	105.9	488.5	6	Ci.	Cu. ENE	5	Ci.	Cu. ENE
19	NE	NE	NE	NE	NE	NE	79.7	113.8	138.4	129	460.9	8	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu. ENE
20	NE	NE	ENE	NE	NE	NE	117.3	118.3	91.1	96	422.7	10	Ci.-S.	S.-Cu. NE	4	Ci.	Cu. ENE
21	ENE	ENE	ENE	ENE	ENE	ENE	115.5	109.2	107.2	100.1	428	10	Ci.-S.	Cu. ENE	4	Ci.-S.	Cu. ENE
22	ENE	E	NE	NE	NE	NE	79.2	74	77.2	51.8	282.2	6	Ci.	Cu. ENE	4	Ci.	Cu. ENE
23	Calm	Calm	ESE	E	E	Calm	17.1	30.4	54.7	20.1	122.3	8	Ci.	Cu. ENE	5	Ci.	Cu. ENE
24	Calm	Calm	ENE	E	E	E	11.5	44.6	67.6	57.7	181.4	4	Ci.	Cu. ENE	2	Ci.	Cu. E
25	E	E	ENE	E	E	E	62.6	81.1	87.9	69.4	301	9	Ci.-S.	Cu. E	3	Ci.	Cu. ENE
26	ENE	E	NE	E	E	E	68.4	88.7	78.7	68.9	304.7	3	Ci.	Cu. ENE	3	Ci.	Cu. ENE
27	E	E	E	E	ENE	ENE	39.1	70	72.4	45.9	227.4	3	Ci.	Cu. ENE	10	Ci.-S.	Cu. ENE
28	Calm	Calm	NE	NE	NE	NE	14.7	44.6	63.9	53.4	176.6	10	Ci.-S.	Cu. ENE	2	Ci.	Cu. ENE
29	NE	NE	NE	NE	NE	NE	73.5	85.8	99.2	95.3	353.8	10	Ci.-S.	Cu. NE	8	Ci.	Cu. NE
30	NE	NE	NE	NE	NE	NE	111.6	115.3	111	137.9	475.8	6	Ci.	Cu. NE	4	Ci.	Cu. NE
Mean	------	------	------	------	------	------	81.6	91.7	99.3	89.8	362.3	7.5	----------	----------	6.6	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	10,868	----	----------	----------	----	----------	----------

PARACALE.

[ϕ = 4° 17′ N; λ = 122° 47′ E; barometer above sea, 5.3 meters; gravity correction not applied, −1.73 mm.]

DECEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.89	61.33	62.56	60.66	60.84	61.88	26.2	25.2	27.4	30	25.1	25.9	30.3	24.3	81	85	81	65	91	85	3.1
2	60.52	60.58	61.43	59.58	60.14	61.44	25.9	25.9	26.9	27	26	25.9	28	24.5	84	85	80	84	84	85	8.1
3	60.49	60.76	62.03	60.14	60.16	61.10	24.9	25	27.5	26	24.9	25.5	29.5	24	92	92	81	92	92	88	20.3
4	60.10	60.48	61.37	58.85	59.48	60.39	24.3	24.2	26	28.1	26	26	29	23.9	97	98	88	83	89	85	2.5
5	59.78	60.47	61.41	59.21	59.81	60.74	25.2	24.6	28.7	29.2	26.1	25.5	30.3	24	90	93	76	75	83	88	------
6	59.13	59.61	60.07	58.14	58.34	58.95	25.2	25.9	28.5	29	26.5	26.5	30.3	24	90	85	75	71	79	77	4.1
7	58.18	58.25	58.68	56.71	56.56	56.55	26	26	27	26.4	25	24	27.8	23.5	76	73	73	72	81	96	6.6
8	55.25	54.96	56.80	55.39	56.95	57.50	24.1	24.3	27.5	28.1	26.5	25.5	29	23.9	82	82	76	77	81	88	.5
9	57	57.35	57.97	55.96	56.77	58.20	23.4	22.3	29	31.5	26.1	23.7	32.3	22.3	93	98	71	60	84	91	------
10	57.29	58.26	57.89	55.72	56.25	57.44	23	22.5	29.5	32	26.6	24	32.7	21.9	93	99	70	68	87	96	------
11	57.06	58.05	58.84	56.75	57.92	59.47	22.6	22	28.5	30	26.6	25.6	31	21.5	95	96	78	75	87	95	5.9
12	58.81	59.86	61.33	59.40	60.24	61.42	25.8	24.8	27	29	26.5	26	30.2	24.4	93	95	86	74	85	84	3
13	60.46	61.52	62.12	60.10	60.63	61.98	25.9	23.4	28.1	29	25.5	25.5	30.3	23.3	81	92	77	71	80	68	------
14	61.35	61.53	62.13	60.41	61.07	62.48	23.3	21.1	27.7	29.2	26.4	26.2	30	21	80	95	73	66	73	75	1
15	61.98	62.09	63.12	60.94	61.39	62.34	25.1	26.2	27	26.9	26.5	26.3	28.7	24	83	79	76	81	79	79	4.1
16	61.11	61.77	63.03	60.92	61.57	63.09	25.2	25.3	27.4	26.9	26.1	25.6	28.8	23.7	87	89	81	89	90	95	9.6
17	62.08	62.50	63.27	61.38	62.18	63.62	23.3	21.7	27.6	28.9	26.3	25.5	29.8	21.6	96	99	80	72	94	88	------
18	63.04	63.26	64.41	62.66	63.08	63.91	25.1	25.5	28.6	29.4	26	25	30.3	24.8	88	84	70	69	80	88	.8
19	62.68	62.73	63.62	61.16	61.74	62.66	24	23.3	26	26.6	25	25.4	29.8	23	93	97	89	87	92	93	15.9
20	61.92	62.49	63.90	62.39	63.24	64.31	25.2	24.6	24.4	26.5	26	25.5	27.8	23.5	92	95	92	88	88	87	13
21	63.23	63.48	64.64	63.02	63.88	64.69	25.1	24.5	27.1	29	26	25.4	29.8	23	87	87	82	71	80	80	1
22	63.23	63.93	64.67	62.63	62.93	63.81	25	24	25.6	29	25.6	25.5	30.3	23.5	81	87	89	69	84	84	6.3
23	63.09	63.59	64.56	62.86	63.37	63.68	24.3	25.2	28.1	29.4	26	25.9	30.3	24.2	87	82	80	71	78	81	.5
24	63.53	64.37	65.01	63.03	63.41	63.36	25.4	25.6	27.5	27.9	23.9	25.9	29.1	23.6	80	76	73	71	89	81	.5
25	62.47	62.68	63.59	61.50	62.02	62.60	25.2	25.3	28.1	28.6	25.6	25	30.3	24.4	83	81	72	76	84	72	1.3
26	61.88	62.58	62.93	60.66	61.31	62.44	24.9	23.1	27.8	29.5	26.3	26	30.3	22.5	76	96	71	61	70	76	------
27	61.88	62	63.23	61.47	61.87	62.47	25.2	25.1	28.5	29.3	25.8	26	30	24.5	82	83	68	69	78	81	6.4
28	61.66	61.92	63.09	60.31	61.07	62.06	25.8	23.2	28	28	25.4	25.4	29.8	23	81	98	71	70	80	80	.5
29	61.13	61.48	62.53	60.17	61.26	62.01	24.5	24.6	27.4	29	25.9	25.2	29.8	23	84	82	70	64	79	78	------
30	60.44	60.88	62.02	59.91	60.97	61.92	25.1	25	28.1	29.3	25.9	25.4	30.2	24.2	79	80	74	66	77	84	4.8
31	60.46	60.98	61.98	59.51	60.53	61.39	25.2	24.5	28.3	29.4	25.6	25.4	30	23.7	86	92	72	68	79	80	------
Mean	60.71	61.15	62.07	60.05	60.68	61.61	24.8	24.3	27.6	28.6	25.9	25.5	29.9	23.4	86.2	88.9	77.3	73.4	83.1	84.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	119.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	ENE	ENE	ENE	ENE	ENE	ENE	130.2	198.7	96.9	79.2	405.0	6	Ci.	Cu. NE	4	Ci.	Cu. NE
2	NE	NE	NE	NE	NE	NE	107.3	24.9	124.5	122.6	479.3	8	Ci.	Cu. ENE	10	Ci.-S.	Cu. ENE
3	Calm	Calm	NE	Calm	NE	NE	71.8	90.4	63.1	80.2	305.5	10	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu. ENE
4	NE	Calm	NNE	NE	ENE	ENE	70.3	82.3	60.4	55.8	268.8	10	Ci.-S.	S.-Cu. ENE	3	Ci.	Cu. ENE
5	ENE	ENE	NE	NE	NE	NE	34.9	187.4	87.1	52.3	261.7	5	Ci.	Cu. ENE	6	Ci.	Cu. ENE
6	NE	NE	NE	NE	NE	NE	80.3	101.4	107	111	399.7	7	Ci.	Cu. ENE	10	Ci.-S.	Cu. NE
7	NE	NNE	N	NNW	NW	WSW	122.5	115.7	115.9	80.3	434.4	10	Ci.-S.	Cu. N	10	Ci.-S.	S.-Cu. NNW
8	SW	SW	SW	SW	SW	Calm	112.5	14.6	83.5	30.6	341.2	10	Ci.-S.	Cu. WSW	10	Ci.-S.	Cu. SW
9	Calm	WSW	SW	SW	Calm	Calm	17.1	39.4	76.6	28.7	161.8	1	Ci.	Cu.	2	Ci.	Cu. SW
10	Calm	Calm	SW	N	Calm	Calm	23.8	42.8	38.8	19.1	124.5	1	Ci.	Cu. SW	4	Ci.	Cu. SW
11	Calm	Calm	N	NNE	NNE	Calm	16.9	32.5	54.9	26.6	130.9	1	Ci.	Cu.	3	Ci.	Cu.
12	Calm	Calm	E	E	E	E	22.2	50.1	78.9	79.1	230.3	4	Ci.	Cu.	3	Ci.	Cu. E
13	E	Calm	ENE	ENE	ENE	ENE	79.4	70.2	81.6	83.9	315.1	4	Ci.	Cu. E	3	Ci.	Cu. E
14	Calm	Calm	E	E	E	E	23.8	189.9	125.5	152.9	392.1	6	Ci.	Cu. E	8	Ci.	S.-Cu. E
15	ENE	NE	ENE	ENE	ENE	ENE	130.9	168.4	145.6	139	583.9	10	Ci.-S.	Cu. NE	10	Ci.-S.	Cu. NE
16	ENE	ENE	NE	ENE	ENE	ENE	92.7	20.2	125.5	65.2	403.6	10	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu. ENE
17	Calm	Calm	E	ENE	ENE	ENE	4.5	149.7	89.5	73.8	217.5	0	Ci.	------	6	Ci.	Cu. E
18	ENE	NE	ENE	ENE	ENE	ENE	62.6	07.2	89.5	93.9	353.2	10	Ci.-S.	Cu. E	3	Ci.	Cu. E
19	Calm	Calm	NE	NE	Calm	ENE	21.7	53.9	81.3	74.8	231.7	7	Ci.	Cu. E	10	Ci.-S.	Cu. E
20	ENE	ENE	Calm	ENE	E	ENE	91.9	79.9	99.5	99.5	370.8	10	Ci.-S.	Fr.-N. E	10	Ci.-S.	Cu. E
21	E	SE	ESE	E	E	E	42.3	58.7	98	86.9	285.9	7	Ci.	Cu. E	4	Ci.	Cu. E
22	E	E	E	ENE	E	E	73	77.9	72.2	75.9	299	10	Ci.-S.	Cu. E	5	Ci.	Cu. E
23	E	ENE	NE	NE	NE	NE	66.8	104	91.4	109.7	371.9	6	Ci.	Cu. E	2	Ci.	Cu. E
24	NE	NE	NE	NE	NE	NE	117.8	146.1	116.1	79.5	459.5	10	Ci.-S.	Cu. E	3	Ci.	Cu. NE
25	NE	ENE	NE	NE	NE	NE	81.1	104.8	92	83.4	361.3	5	Ci.	Cu. E	3	Ci.	Cu. E
26	NE	Calm	NE	NE	NE	NE	52.8	68.6	85.3	113.5	320.2	10	Ci.-S.	S.-Cu. E	2	Ci.	Cu. E
27	NE	NE	NE	NE	NE	NE	94.3	114.3	103.8	103	415.4	6	Ci.	Cu. ENE	4	Ci.	Cu. ENE
28	ENE	Calm	ENE	ENE	ENE	ENE	91.4	71.1	80.5	66.8	309.8	6	Ci.	Cu. ENE	6	Ci.	Cu. ENE
29	ENE	ENE	ENE	ENE	ENE	ENE	63.6	86.9	80.5	86.9	317.9	10	Ci.-S.	Cu. ENE	6	Ci.	Cu. ENE
30	E	E	E	E	E	E	71.9	90.6	92.2	83.5	338.2	10	Ci.-S.	Cu. ENE	4	Ci.	Cu. ENE
31	E	Calm	E	ENE	E	E	61.8	79.5	88.5	73.7	303.5	10	Ci.-S.	S.-Cu. ENE	4	Ci.	Cu. ENE
Mean	------	------	------	------	------	------	68.8	87.8	91.2	81	328.8	7.1	------	------	5.7	------	------
Total	------	------	------	------	------	------	------	------	------	------	10,193.6	----	------	------	----	------	------

SAN ISIDRO.

[$\phi = 15°\ 22'$ N; $\lambda = 120°\ 53'$ E; barometer above sea, 20 meters; gravity correction not applied, −1.69 mm.]

JANUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p.m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	61.28	61.90	62.31	60.13	60.93	61.21	19.8	18.7	26.3	28.1	25.5	22.8	29.1	18.5	92	93	63	59	68	83	------
2	60.77	61.02	61.73	58.94	60.04	61.43	21.8	20.4	26.3	29.5	25.6	23	30.2	19.4	91	91	69	55	66	83	------
3	60.77	61.65	62.59	60.27	61.32	62.06	21.2	19.1	26.7	28.5	25.4	22.6	29.2	19	91	93	71	54	63	78	------
4	61.81	62.33	62.79	60.23	61.59	62.40	20	18.1	26.7	29.4	26.1	24.9	30.6	17.8	91	96	71	52	68	78	------
5	61.50	61.91	63.02	59.99	60.86	62.23	23.6	22.2	27.7	30.5	27.5	24.5	31.2	22	91	93	66	57	69	83	------
6	61.04	61.95	62.49	59.93	60.58	62.20	23.5	22	27.5	29.8	26.7	22.9	31.5	21.5	90	95	73	58	68	85	------
7	61.76	62.12	62.83	60.03	61.19	63.35	22	20.5	27.7	29.5	25.5	22.5	30.7	20	87	93	67	58	68	87	------
8	62.19	62.81	63.64	60.58	60.85	61.76	21.5	19.5	26.1	29	25.5	21.5	29.2	19.2	91	94	64	55	66	87	------
9	60.27	60.02	60.60	58.15	58.35	59.62	20.2	19	27.5	29.2	26.2	23.8	30.5	19	92	92	62	59	67	85	------
10	58.58	58.73	59.20	55.98	56.19	58.19	22.5	21	26.7	30.6	30	25.4	31.7	20.5	91	95	72	54	57	82	------
11	57.64	58.45	59.23	56.19	56.36	58.60	24.9	23.4	28	30.6	29.4	25.5	31.7	23.1	84	92	74	58	68	81	------
12	58.18	58.56	59.81	57.88	58.40	60.26	24.5	23.5	25.4	29	25.7	23.8	29.5	23	87	90	77	57	71	77	------
13	59.81	60.06	61.57	59.34	59.88	61.36	22.8	20.7	27	29.8	26	23.5	30.4	20	80	90	59	56	69	83	------
14	60.78	61.36	62.06	58.78	59.03	60.59	21.5	21.3	27.2	30.8	27	24	31.3	20.5	91	92	68	57	71	86	------
15	59.78	60.09	60.60	57.32	57.59	59.13	21.5	20.5	27.1	30.1	27.5	24.4	31.2	20.2	91	97	75	54	68	87	------
16	58.80	59.27	60.55	58.43	59.21	60.38	24.8	23	27.8	29	25.7	23	30.2	20.5	85	95	65	60	78	83	------
17	59.66	60.12	60.81	58.17	58.93	60.55	21	19	27.7	29.4	26.4	24	30.5	18.5	91	98	62	56	68	81	------
18	60.06	60.93	61.29	58.27	59.17	61.07	23.2	21.2	27.8	31.1	26.5	23.4	31.7	20.5	85	96	67	52	69	85	------
19	60.58	60.96	61.66	59.27	60.26	61.49	21.5	21	25.6	29.1	25.7	23.2	30.4	20.5	92	95	75	55	71	85	------
20	61.03	60.78	62.08	59.80	60.36	61.60	20.5	21	25.1	28.8	25.3	22	29.3	20	93	95	71	58	66	86	------
21	60.64	60.85	61.70	58.97	59.84	61.24	22	20	27	28.3	25.5	24.4	30.6	19.9	88	94	65	62	68	82	------
22	60.46	60.92	61.42	58.79	59.14	60.74	23	22.5	26.7	29.5	27	23.4	30.5	21.9	91	91	68	56	63	88	------
23	59.88	59.78	60.02	57.20	57.79	59.20	22	21.3	26.8	30.6	26.2	22.9	31.2	20.1	91	94	67	48	65	83	------
24	58.39	58.33	59.01	56.67	58	59.31	20.5	19.5	28.6	29.9	26.1	23.7	30.5	19.5	95	97	59	54	66	77	------
25	58.92	59.06	60.13	57.69	58.31	59.63	23.5	22.2	27.1	28	25.5	24.4	30.8	22	83	88	58	63	72	74	------
26	58.51	58.30	59.34	56.93	57.04	58.45	23	21.4	27.6	29.4	26.7	23.5	30.8	21	87	87	65	59	69	86	------
27	57.88	57.92	58.71	55.58	55.94	57.65	22.4	20.6	28	32.1	25.5	24.8	32.4	20.2	91	94	68	50	84	87	8.9
28	57.06	57.13	58.25	55.44	56.47	58.12	23.5	21.8	25.2	31.5	24.6	23.7	32	21.5	94	98	87	56	83	85	5.1
29	57.58	57.72	59.05	56.24	57.06	57.83	22.6	21.3	27.8	29.5	27.2	22.9	30.3	21	91	94	71	58	64	83	------
30	57.81	58.32	59.40	56.57	56.66	58.26	21.6	20	27	30.9	29.3	25	31.9	19.1	91	96	72	53	62	83	------
31	57.96	58.27	59	55.98	56.43	57.66	24	21.6	28.5	32.4	28.2	24.8	33.1	21.4	91	95	69	48	63	77	------
Mean	59.72	60.05	60.87	58.19	58.83	60.24	22.3	20.9	27	29.8	26.5	23.7	30.8	20.4	89.6	93.6	68.4	55.8	68.3	82.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	14

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.				2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.			Amount.	Form and direction.		
														Upper.		Lower.		Upper.		Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*				*0–10*			
1	WNW	1	WNW	1	NNW	2	E	3	E	3	E	1	3	Ci.		Cu.	5	Ci.	SE	Cu. E
2	NNE	1	N	1	NE	1	E	1	ESE	3	E	1	6	Ci.	SE	Cu.	6	Ci.		Cu. NE
3	ENE	1	SE	1	NE	1	ESE	5	ESE	4	N	1	4	Ci.		Cu.	5	Ci.		Cu. E
4	NNW	1	NW	1	NNW	1	ESE	4	ESE	3	ENE	1	4	Ci.		Cu.	6	A.-Cu.	NE	Cu. E
5	NW	1	NW	1	NW	2	NNW	2	E	2	NW	1	7	A.-Cu.	ESE	S.-Cu. E	7	A.-Cu.	ESE	Cu. ENE
6	NW	1	NW	1	NNW	2	NE	2	ESE	3	NE	1	6	A.-Cu.	E	Cu. NE	8	A.-Cu.		Cu. NE
7	NNE	1	NE	1	NNE	1	E	4	E	3	NE	1	4	Ci.		S.-Cu. NE	5	A.-Cu.	NE	Cu. ENE
8	NW	1	NW	1	NNE	1	E	2	E	4	NNE	1	5	Ci.		S.-Cu.	6	Ci.	SE	Cu. E
9	WNW	1	WNW	1	NW	1	E	1	ESE	1	WNW	1	4	Ci.		S.-Cu.	9	Ci.-S.		N. E
10	NNE	1	NE	1	ENE	1	ENE	2	ENE	1	NW	1	4	Ci.		S.-Cu.	6	Ci.		Cu. NE
11	NE	1	ENE	1	NE	1	NE	1	ESE	1	NW	1	10	Ci.-S.		Cu. NE	7	A.-Cu.		Cu. E
12	ESE	1	Calm	----	ESE	1	ESE	3	ESE	4	NE	2	10	Ci.-S.		N. E	7	A.-Cu.	SE	Cu. NE
13	NW	1	NW	1	ENE	1	ENE	1	ESE	4	NE	1	3	Ci.		S.-Cu.	7	A.-Cu.	SE	Cu. ENE
14	NW	1	NW	1	NW	2	NW	1	E	1	NW	1	8	Ci.		S.-Cu. ENE	7	A.-Cu.	ESE	Cu. NE
15	NNW	1	NNW	1	NNW	2	NNE	2	ENE	2	NW	1	6	Ci.		S. N	6	A.-Cu.		Cu. NNE
16	NW	1	NW	1	NNW	2	E	3	E	3	NE	1	7	A.-Cu.		S.-Cu.	6	A.-Cu.		Cu. NE
17	NNW	1	NNW	1	NNW	1	ESE	2	E	3	NNW	1	6	Ci.		S.-Cu.	6	A.-Cu.	SE	Cu. ENE
18	NW	1	NW	1	NW	2	WNW	2	NW	3	NW	1	6	Ci.	SE	S.-Cu.	4	A.-Cu.		Cu. NNW
19	NW	1	NW	1	NNW	2	ENE	2	NW	2	NNW	2	7	Ci.		S.-Cu. N	5	A.-Cu.		Cu. NNE
20	NNW	2	NNW	1	NNW	2	NW	1	ESE	3	NNW	1	8	A.-Cu.	SE	Cu. NE	7	A.-Cu.	SE	Cu. NE
21	NNW	1	NNW	1	NNE	1	ESE	2	ESE	3	NNW	1	3	Ci.		S.-Cu.	9	A.-Cu.		Cu. NE
22	NW	1	NW	1	E	1	E	2	E	3	NW	1	7	Ci.		S.-Cu. NE	7	A.-Cu.	SE	Cu. NE
23	NNW	1	NNW	1	NNE	2	ESE	3	ESE	2	NNW	1	6	Ci.		S.-Cu. NE	7	A.-Cu.	SE	Cu. ENE
24	NW	1	NW	1	NW	1	NW	2	E	2	NNW	1	4	Ci.		S.-Cu. NE	8	A.-Cu.	SE	Cu. NE
25	NW	1	NW	1	E	1	E	2	ESE	3	NE	1	7	Ci.		Cu. E	8	Ci.-S.		Cu. NE
26	NE	1	ESE	1	NE	1	E	3	ESE	2	NW	2	6	Ci.		N. NE	6	A.-Cu.	ESE	Cu. E
27	NW	1	NW	1	NNW	1	WNW	1	WNW	1	NW	1	4	Ci.		S.-Cu.	6	A.-Cu.		Cu. W
28	NW	1	NW	1	NW	1	E	2	E	1	NNE	1	10	Ci.		S. NW	6	A.-Cu.		Cu. E
29	NNE	1	NNE	1	ESE	2	E	3	E	3	NE	1	4	Ci.		S.-Cu.	5	A.-Cu.	SE	Cu. E
30	NW	1	NW	1	NW	1	ESE	1	ESE	1	ESE	1	5	Ci.-S.		S.-Cu.	5	Ci.		Cu. E
31	NE	1	ENE	1	E	1	SE	2	E	2	E	1	6	Ci.-S.		S.-Cu.	6	A.-Cu.		Cu. ESE
Mean	------	1	------	1	------	1.4	------	2.2	------	2.5	------	1.1	5.8	----------		----------	6.4	----------		----------

SAN ISIDRO.

[$\phi = 15° 22'$ N; $\lambda = 120° 53'$ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

FEBRUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.46	57.66	58.64	56.07	56.43	58.50	23	20.6	28.8	31.4	30	24.8	33	20.5	91	94	63	53	59	88	------
2	58.36	59.07	60.33	57.68	57.45	59.45	23.5	21.7	28.4	31.2	30.4	25.6	32.6	21.4	91	94	73	52	59	83	------
3	59.06	59.51	61.09	58.17	58.69	60.80	24.5	21.5	27	31.3	28.3	24.8	32.6	20.6	92	95	77	46	62	87	4.6
4	60.33	61.11	62.09	59.37	60.17	61.85	22.8	21.1	27.4	30.7	27	24.6	31.7	20.6	93	97	70	51	70	79	------
5	61.84	61.99	62.87	61.07	61	61.41	24.2	23.4	27.7	27	24.6	24	29.4	22.2	90	86	60	70	75	83	.3
6	60.34	60.67	60.98	59.21	60.03	61.33	22.4	22.4	26.5	27.5	25.2	23	28.7	21.6	91	91	66	61	67	77	.8
7	60.31	61.45	61.86	59.29	59.45	60.91	21.5	21.3	26.8	28.5	25.9	23.3	29.4	20.9	87	79	52	42	61	77	------
8	60.04	60.61	61.14	59.39	59.30	61.39	22.6	22.4	27.6	26.7	25.4	22	29.7	21.5	81	81	51	54	56	77	------
9	60.37	60.72	61.82	59.09	59.80	61.63	20.5	20.4	27.7	29	26.7	22.6	30.5	20	86	86	48	46	53	78	------
10	61.55	62.21	63.39	60.84	61.73	63.21	20.5	19.1	27.8	29.9	26	22.8	31.1	18.6	86	87	44	42	58	76	------
11	62.54	62.71	63.53	61.58	62.35	63.29	21.5	18.7	28.3	28.1	22.5	22.4	30.2	18.7	82	89	51	63	91	96	18.1
12	62.42	62.27	63.56	61.39	61.66	62.75	22	22.5	26	27.8	23.5	22.5	28.3	21.8	93	91	78	58	84	89	1.6
13	61.84	62.02	63.18	60.89	61.04	62.05	22	21.8	25.8	28.4	25.1	22.3	28.6	20.6	84	79	67	49	60	80	------
14	61.28	61.43	62.38	59.97	60.21	61.59	20	19.6	27.2	29.5	26	24	29.8	18.5	91	90	62	54	67	78	------
15	60.71	60.32	61.30	58.89	58.44	59.75	22.6	20.2	26.5	31	26.9	24.2	31.3	19.5	86	92	62	48	62	80	------
16	59.41	59.67	60.41	57.68	58.45	59.86	22	20.9	27.5	31.3	27.8	23.7	31.6	20.1	91	90	51	44	58	81	------
17	59.29	59.12	60.37	58.01	57.99	59.50	22.4	20.4	28	30.5	27.5	24.5	32	19.9	88	91	62	55	65	82	------
18	59.06	59.28	60.50	58.59	59.36	61.58	22.6	21.6	29	29.8	26.5	23.9	31.3	21.4	89	89	57	56	67	79	------
19	60.88	61.60	62.84	60.99	62.03	63.54	22	21	27	27.1	24.5	23.7	29	20.6	91	81	52	53	64	73	------
20	62.99	63.56	64.34	61.69	62.21	63.69	22.2	21	26.4	28.5	24.6	23.7	29.1	20.5	72	73	47	48	64	70	.3
21	62.81	62.90	63.39	60.78	61.24	63.09	22	20	26.5	28	24.5	22	29.4	19.9	82	81	62	53	64	77	------
22	61.81	61.34	62.13	59.04	59.21	61.51	19.8	18.5	27.4	30.5	26.6	23.3	31.4	18.1	87	87	47	39	52	71	------
23	60.78	61.40	62.49	59.12	59.83	62.66	20	19	26.7	31	26.6	21.9	31.8	18.4	91	94	60	40	55	83	------
24	62.30	62.72	63.95	60.71	61.45	63.48	20.5	18	26.4	30.1	26.2	23	31.2	17.9	90	89	53	48	60	79	------
25	62.31	62.80	63.42	60.12	60.61	62.14	21.4	19.2	27.7	31	26.5	24	31.3	19	87	87	53	49	66	79	------
26	60.57	60.73	61.92	59.17	60.05	61.18	23	21.8	27.1	28.7	23.4	23	30.2	21.4	84	93	69	62	87	94	1.3
27	60.28	60.58	61.39	58.54	58.66	60.86	22.7	22.6	25.6	28.7	26.3	24	30.2	21.6	94	94	81	58	68	83	------
28	59.78	59.98	61.05	57.95	58.60	60.87	21.6	20.2	26.5	30.4	27.5	23.6	31.7	20	95	98	68	61	60	81	------
Mean	60.74	61.05	62.01	59.47	59.91	61.57	22	20.7	27.2	29.4	26.1	23.5	30.6	20.2	88	88.5	60.2	52	64.8	80.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	27

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	NE	1	NE	1	ESE	2	ESE	1	SE	1	SE	1	3	Ci.	S.-Cu.	7	A.-Cu. SE	Cu. E
2	NW	1	NW	1	NW	1	NE	2	NE	1	NW	1	7	Ci.-S.	S.-Cu.	4	Ci.	Cu. NE
3	NE	1	ENE	1	NE	1	E	2	NE	2	NW	1	9	Ci.	S. NE	6	A.-Cu.	Cu. NE
4	NW	1	NW	1	NNW	1	E	2	E	3	E	1	7	Ci.	S. NE	8	A.-Cu.	Cu. NE
5	NE	1	NE	1	NNE	2	E	3	ESE	2	NE	1	8	Ci.-S.	Cu. NE	10	Ci.-S.	N. NE
6	NE	1	ESE	1	NE	3	ENE	3	ENE	3	NE	2	10	Ci.-S.	N. NE	8	Ci.-S.	N.-cf. NE
7	NW	1	NW	1	E	2	E	5	E	3	NE	2	7	Ci. SE	S.-Cu. NE	6	Ci.	Cu. E
8	NE	1	NE	1	NE	2	ENE	5	ENE	4	NE	1	8	Ci.-S.	S.-Cu. NE	7	A.-Cu. SE	N. E
9	NE	1	NE	1	NE	2	ENE	5	ESE	4	NNE	1	7	A.-cu. WNW	S.-Cu.	5	Ci.	Cu. NE
10	NW	1	NW	1	NE	2	ESE	5	ESE	3	NE	1	3	Ci.	S.-Cu.	4	Ci. SE	Cu.
11	NW	1	NW	1	NE	4	NE	1	NNE	2	NW	1	5	Ci.	S.-Cu. NE	10	Ci.-S.	N. E
12	NW	1	NW	1	NE	2	ENE	4	ENE	1	NW	1	10	Ci.-S.	N. E	8	A.-Cu. NE	Cu. E
13	NW	1	NNE	1	ENE	1	ENE	3	E	3	ENE	1	7	Ci.-S.	S.-Cu. E	6	A.-Cu. NE	Cu. E
14	NE	1	NE	1	NE	1	NE	1	ESE	2	NW	2	8	Ci.-S.	N. E	7	A.-Cu.	Cu. ENE
15	NW	1	NW	1	NE	2	NE	1	ESE	3	NE	1	4	Ci.	S.-Cu.	5	Ci.	Cu. NE
16	NE	1	NNE	1	NE	3	NNE	4	ENE	3	NE	1	5	Ci.	S.-Cu.	7	A.-Cu. NE	Cu. ENE
17	NNW	1	NNW	1	NE	1	NE	1	ENE	2	NE	1	5	Ci.	S.-Cu. NE	8	A.-Cu. NE	Cu. N
18	NE	1	NE	1	NNE	2	NE	4	E	4	NE	1	4	Ci.	S.-Cu. N	7	A.-Cu. NE	Cu. N
19	NE	1	NE	1	NE	2	ESE	6	E	4	NE	1	6	A.-Cu.	S.-Cu. NNE	5	Ci.-S. SE	Fr.-Cu. NNE
20	NE	1	NE	2	NNE	4	NE	4	ENE	4	NNE	1	10	Ci.-S.	N. NE	7	Ci.-S. SE	Cu. NNE
21	NNW	1	NW	1	NNE	1	E	5	E	5	NE	1	5	Ci.-Cu.	S.-Cu. NNE	8	A.-Cu. ENE	Cu. NNE
22	NW	1	NW	1	NW	2	NW	2	E	3	NE	1	4	Ci.	S.-Cu.	4	Ci. SE	Cu. NE
23	NW	1	NW	1	NNE	2	NW	2	E	2	NE	1	4	Ci.	S.-Cu.	6	A.-Cu.	Cu. NE
24	NNE	1	NNE	1	E	2	ESE	3	ESE	3	NW	2	2	Ci.	S.-Cu.	6	A.-Cu.	Cu. NE
25	NNW	1	NNW	2	NNW	3	NNE	2	ENE	2	NNW	2	4	Ci.	S.-Cu.	8	A.-Cu ENE	Cu.-N.NNE
26	NNW	1	NNW	1	NNW	2	NW	2	NNW	2	NNW	1	6	Ci.	S.-Cu. NNE	10	Ci.-S.	N. N
27	NW	1	NW	1	NW	2	E	2	NW	3	NW	1	10	Ci.-S.	N. NE	6	A.-Cu. ENE	Cu. NE
28	NW	1	NW	1	NNW	2	E	2	NW	3	NNW	2	5	Ci.	S.-Cu. NE	4	A.-Cu.	Fr.-Cu.
Mean	------	1	------	1.1	------	2	------	2.9	------	2.8	------	1.2	6.2	----------	----------	6.7	----------	----------

SAN ISIDRO.

[$\phi = 15° 22'$ N; $\lambda = 120° 53'$ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

MARCH, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.34	61.15	62.18	59.22	59.34	61.24	22	20.3	26.9	31.6	26.4	23.5	32	19.6	91	93	63	40	63	82	------
2	60.28	60.71	61.86	59.44	59.07	60.41	22.2	21.5	25.4	28.5	25.6	22.3	29.3	21	82	81	68	54	61	83	------
3	60.01	60.40	61.39	59.66	59.61	61.03	22	21.4	27.6	27.4	24.5	23.4	29.4	20.6	82	84	55	56	66	72	------
4	60.54	60.82	61.86	59.74	60.06	61.01	20.5	21	25.4	26.4	24	24.2	27.1	20	91	85	70	66	67	71	------
5	60.77	61.10	61.89	59.35	59.21	60.71	22.6	20.5	27.7	28.8	26	22.7	31	20.4	78	86	56	54	62	80	------
6	60.21	60.78	61.50	58.27	58.09	60.24	20.5	18.7	27	30.7	29.6	24	31.7	18.4	91	95	55	41	52	76	------
7	59.93	60.19	61.32	58.37	58.89	60.32	20.5	21.3	29	30	27	24.3	30.9	20	86	84	55	49	48	59	------
8	59.93	60.69	61.25	58.64	58.64	60.36	20.3	18	27.4	30.4	26.6	23.6	31	17.9	81	92	54	42	52	69	------
9	59.83	60.10	61.34	58.73	58.64	60.10	20.4	17.2	28	29.7	27.6	22.4	30.7	17	91	94	54	48	56	79	------
10	58.86	59.09	60.35	57.57	57.54	59.70	19.5	18	27.4	31.9	29.1	24	32.2	17.5	90	95	56	38	51	78	------
11	59.18	59.47	60.73	58.02	58.24	60.23	22.6	19.8	29.7	31.6	28.9	27	32.7	19.5	86	94	55	48	58	70	------
12	59.25	59.61	61.08	60.56	60.84	62.04	25	23.5	27.4	24.2	25.7	22.1	29.6	21.5	80	85	67	86	75	92	1
13	60.64	60.89	62.21	59.49	59.53	60.65	21.5	21.4	29	30.7	29.2	25.2	31.6	20.9	92	92	58	47	54	77	------
14	60.08	60.61	61.46	58.96	58.35	59.89	22.6	21.6	29	32	27.5	25.3	32.2	21	88	88	56	48	65	74	------
15	58.78	59.44	60.25	57.11	57.18	59.45	21.5	20	28.7	33.1	29.3	25.7	34.1	20	91	94	63	44	56	71	------
16	58.72	59.26	60.22	57.56	57.69	59.48	24	20	30	33.4	31.4	26.2	34.3	19.5	83	94	57	47	54	75	------
17	58.87	59.06	60.32	57.49	58.69	60.07	26	24	30.4	35	25.5	23.4	35.4	22.1	76	87	60	43	80	91	4.1
18	59.21	59.56	60.37	57.56	58.39	60.29	22.6	22.5	29.5	33.2	27.4	24.5	33.7	22	95	96	68	48	70	86	------
19	59.96	60.23	61.69	58.38	58.72	60.75	23.4	23	28.4	31.5	28.6	24.5	32.6	22.5	92	95	66	53	56	78	------
20	60.38	61.18	61.99	59.72	59.73	60.87	24	23.2	28	29.2	27.2	24.4	30.6	22.1	83	86	67	58	63	80	------
21	60.26	60.99	62.05	59.38	59.47	61.35	24	22.4	28.6	30.4	27.8	25.4	30.8	21.8	83	88	64	56	67	70	------
22	60.78	61.19	62.15	59.52	59.52	61.35	22.5	21.2	28.6	31.7	28.5	24.4	32.3	20.6	87	92	63	50	58	74	------
23	60.63	61.20	62.34	59.07	59.07	61.05	23	21.1	30	33.5	29	25.7	34	20.6	83	90	59	45	62	78	------
24	60.40	60.95	61.79	59.31	59.48	61.73	25.6	23.5	30	31.1	27.8	24	32.7	23	79	92	60	55	66	86	1.5
25	60.46	60.98	62.04	59.89	60.47	62.54	23	21.2	29.4	29.8	27.1	24	31.3	21	91	97	59	60	65	86	.3
26	61.50	61.78	63.17	60.48	60.70	62.92	23.5	22.9	27.7	29.2	27.5	24.5	30.7	22.5	90	94	65	55	58	79	1
27	62.09	62.41	63.82	61.47	61.48	62.90	23	22.5	26.8	29.9	27.1	25	30.3	22.4	96	96	76	60	65	79	------
28	61.76	61.89	62.82	60.83	61.24	62.80	23.5	22.2	29.7	30	27.3	24.3	30.6	21.4	89	93	57	61	68	79	1.5
29	61.20	61.76	63.07	60.97	61.26	63.27	23.2	22.1	29.1	31	27.7	24.3	31.7	22	83	90	56	47	58	76	------
30	61.62	61.69	62.63	60.28	60.33	61.82	22.5	23	29	30.8	26.7	25.5	31.2	21.5	87	83	48	42	58	68	------
31	60.71	60.65	61.10	58.33	58.78	59.92	21.5	20.4	29.4	31	27.1	25	32.7	19.5	87	83	52	48	62	72	------
Mean	60.23	60.64	61.69	59.14	59.30	60.98	22.5	21.3	28.4	30.6	27.4	24.3	31.6	20.6	86.6	90.3	60.1	51.3	61.2	77.1	------
Total	-------	-------	-------	-------	-------	-------	------	------	------	------	------	------	------	------	-----	-----	-----	-----	-----	-----	9.4

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.				
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.		
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*				
1	NNW	1	NNW	1	NNW	3	NNE	2	NW	4	NW	2	4	Ci.	S.-Cu.	5	A.-Cu.	Cu. NE		
2	NW	1	NW	1	NE	1	ENE	1	ENE	2	ENE	2	10	Ci.-S.	N. NE	7	A.-Cu. SE	Cu. NNW		
3	NE	1	NE	1	NE	1	E	4	ESE	4	NE	2	7	A.-Cu.	S.-Cu. ENE	9	Ci.-S.	N. ENE		
4	NE	1	NE	1	ESE	2	E	5	E	6	NE	4	10	Ci.-S.	N. E	7	A.-Cu. SE	Cu. E		
5	NW	1	NW	1	E	2	E	4	E	4	E	1	4	A.-Cu.	Fr.-Cu. E	6	A.-Cu.	Fr.-Cu. E		
6	NE	1	NE	1	NE	1	ENE	1	ENE	1	NE	1	2	Ci.	S.-Cu.	5	A.-Cu. SE	Fr.-Cu. N		
7	NE	1	NE	1	ESE	2	ENE	3	ESE	2	ESE	1	5	Ci.	S.-Cu. NE	5	A.-Cu. NE	Cu. N		
8	NE	1	NE	1	ENE	2	ESE	5	ESE	4	ENE	1	3	Ci.	Cu.	3	A.-Cu.	Cu.		
9	NW	1	NW	1	NE	2	E	4	E	3	NNW	1	5	Ci.	S.-Cu. NNE	5	A.-Cu.	Cu. NE		
10	NNE	1	NE	1	NE	1	NE	1	NE	1	NNW	1	2	Ci.	S.	3	Ci. SE	Cu. NE		
11	NW	1	NW	1	NW	2	E	5	E	4	NE	4	5	Ci.	S.-Cu.	5	A.-Cu. NE	Cu. E		
12	ENE	2	E	1	E	5	E	2	E	3	ENE	1	9	Ci.-S.	N. E	10	Ci.-S.	N. E		
13	NNW	1	ENE	1	E	4	E	5	E	2	E	1	6	Ci.	S.-Cu. E	2	A.-Cu.	Cu.		
14	NE	1	NNE	1	E	4	E	3	E	3	E	1	3	Ci.	S.-Cu.	4	A.-Cu.	Cu. E		
15	ENE	1	ENE	1	ENE	1	E	3	E	3	NE	1	3	Ci.	S.-Cu.	5	A.-Cu.	Fr.-Cu. ENE		
16	NE	1	NE	1	NE	1	ENE	1	SE	1	NE	1	2	Ci.	S.-Cu.	6	A.-Cu.	Cu. NE		
17	NE	1	NE	1	E	1	ESE	2	N	7	NNW	2	6	Ci.	s.cu. ENE	5	A.-Cu. SE	Cu.-N.		
18	NNW	1	NNW	1	NNW	2	NNW	2	NNW	1	NE	2	6	A.-cu. ESE	S.-Cu. NE	5	A.-Cu.	Cu. NE		
19	NE	1	NE	1	E	2	E	3	E	2	NW	1	5	Ci.	S.-Cu.	6	A.-Cu. SE	Cu. E		
20	Calm	----	NE	1	NE	1	ESE	4	ESE	2	E	1	8	Ci.-S.	N. E	7	A.-Cu. SE	Cu. NE		
21	ENE	1	ENE	1	ESE	2	ESE	4	ESE	3	ESE	2	7	Ci.	Cu. ENE	4	A.-Cu.	Cu. E		
22	NW	1	NW	1	E	2	E	3	E	2	NW	1	4	Ci.	S.-Cu.	4	Ci.	Cu. E		
23	NE	1	ENE	1	ESE	1	SE	1	SE	2	ENE	1	4	Ci.	S.-Cu.	6	Ci.	Cu. ENE		
24	ENE	1	E	1	E	2	E	3	E	4	NE	1	5	Ci.	S.-Cu.	7	Ci.-S.	Cu, NE		
25	NE	1	ENE	1	NE	2	NE	3	E	4	E	4	6	Ci.	Cu. NE	8	Ci.-S. SE	Cu. NE		
26	NE	1	NE	1	E	2	ESE	4	ESE	4	NE	2	8	Ci. SE	N. ENE	9	Ci.-S.	Cu. NE		
27	NNW	1	NW	1	E	2	E	1	E	3	E	2	9	Ci.-S.	N. E	9	Ci.-S.	N. E		
28	NNW	1	NNW	1	ENE	2	ENE	3	E	3	ENE	2	4	Ci.	S.-Cu. NE	8	A.-Cu. ESE	Cu. ENE		
29	NE	1	NE	2	NE	3	E	6	E	5	NE	2	4	Ci.	Cu. ENE	5	A.-Cu.	Fr.-Cu. E		
30	NE	1	NE	2	E	5	ESE	6	ESE	5	E	3	6	A.-Cu.	Cu. E	4	A.-Cu.	Cu. E		
31	NNE	1	NW	1	NE	1	ESE	5	ESE	3	ESE	1	4	Ci.	S.-Cu. NE	4	A.-Cu.	Fr.-Cu. ENE		
Mean	-------	1	-------	1.1	-------	2.1	-------	3.2	-------	3.1	-------	1.7	5.4	----------	----------	5.7	----------	----------		

SAN ISIDRO.

[$\phi = 15° 22'$ N; $\lambda = 120° 53'$ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

APRIL, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs, beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.04	59.18	59.83	57.63	57.42	59.80	22	19.5	28.8	31.6	27.5	25.3	32	19.1	91	91	53	46	60	74	------
2	58.98	59.37	59.94	57.99	58.59	60.21	22.5	21	28.5	30.8	26.8	24.8	31.6	20.5	91	92	59	49	61	73	------
3	59.24	59.93	60.54	58.18	58.42	60.04	21.4	19.9	29	32.2	28.4	27.1	33	19.2	91	90	52	52	68	76	1.8
4	59.64	60.05	61.05	58.93	59.16	60.51	24.5	23.5	26	28.3	26.4	24.6	29.2	23	92	96	82	68	73	82	.3
5	59.33	59.45	59.84	58.32	58.49	59.91	23	22.5	29.5	30.8	27.4	25	32	22	91	91	58	52	63	76	------
6	59.08	59.77	60.35	58.62	59	60.04	22.2	21	28.5	30.5	27	24.8	31.2	20.5	89	89	62	56	61	69	------
7	59.11	59.39	59.67	57.67	58.32	59.85	21	19.8	29.2	29.7	26.7	25.6	31.2	19.5	91	90	58	60	68	71	------
8	59.08	59.33	59.47	56.81	57.05	58.79	21.5	20.5	30	31.5	28	27	32.3	19.6	87	91	60	59	67	72	------
9	57.72	57.92	58.46	56.23	56.13	57.92	25	23.6	30	31.1	28.2	27.3	32	22.4	83	86	65	59	62	69	------
10	57.04	57.25	58.59	55.45	55.60	58.17	25.4	23.7	30.4	32.9	24.5	24.4	34.4	21.9	80	87	59	50	87	91	42.7
11	57.12	57.13	58.15	55.25	55.37	58.47	23.5	23	29	33	29.7	24.5	33.9	23	96	97	75	55	73	87	------
12	57.81	57.96	58.98	56.12	56.85	58.88	24.2	23.5	31.4	32.3	27.5	26	33.5	23	90	90	60	54	76	84	------
13	58.39	58.82	60.29	57.50	57.28	59.55	24.4	23.6	30.5	33	29.6	25.5	33.9	23	88	95	58	50	61	81	.5
14	58.76	58.55	59.25	56.55	56.64	58.74	23.5	23.3	30.9	33.6	31.2	26.6	34.6	22.6	90	89	59	49	58	78	------
15	57.77	57.82	58.75	55.95	56.68	58.72	25.4	23.6	29	34.4	28.4	26.4	34.6	23.4	84	95	74	45	70	78	------
16	58.07	58.46	59.15	56.44	56.12	58.83	24.5	23.5	30.8	33.4	29	27	34.2	22.6	87	91	63	48	67	77	2
17	58.89	59.15	59.19	56.57	56.47	59.21	25.5	23	29.8	33	31	26	33.9	22.6	84	95	69	52	52	82	------
18	58.07	58.69	59.14	56.81	56.92	59.34	25.3	23.5	30.2	33.5	31	26.5	34	23.4	86	96	60	45	56	83	------
19	58.32	58.93	60.19	58.12	58.21	60.74	25.5	24.9	29.8	33.4	31	27.6	34	24.5	88	92	61	50	62	81	------
20	59.91	60.37	61.43	59.09	59.50	61.28	25	24	26.6	31	28.1	27	31.3	23.6	92	91	84	62	70	72	1.8
21	60.92	61.26	61.96	59.32	59.83	61.19	24.2	23.6	30.8	32.2	28.9	27	33.8	22.8	90	90	57	51	63	72	------
22	59.86	60.10	60.12	57.85	58.11	59.28	25.2	23.8	31.6	33	29.8	27	33.7	23	83	89	51	52	61	72	------
23	57.01	56.04	56.66	55.41	55.39	56.73	26	25.5	24.8	24	24	24	27.5	23	76	73	80	95	97	96	24.7
24	56.04	56.73	58.04	56.43	57.11	59.23	24	24	29	27.5	26.2	24	30.4	23.4	96	95	74	77	78	91	------
25	58.37	58.62	59.59	57.93	58.62	60.64	23.5	23.2	30	27.8	27.2	26.2	32.4	22.2	94	94	66	82	85	91	3.1
26	59.29	59.65	60.25	57.42	57.88	59.79	25.8	24	30.1	29.7	26.9	25	32	23.9	93	95	68	69	86	95	9.7
27	58.76	58.86	59.41	56.27	57.34	58.16	25	25	27.8	30.1	26	25	31.5	24.1	92	93	79	67	87	92	3
28	57.72	57.90	58.26	56.23	56.96	58.50	24.5	24	28.5	30.5	26.2	24.5	32.5	23.5	92	95	75	65	85	92	5.3
29	58.12	58.64	59.05	56.63	57.39	58.89	23.5	22.7	30	32.2	27.4	26.4	33.4	22.4	96	97	71	53	81	90	2.8
30	58.20	58.40	59.63	57.50	58.23	59.81	25.5	25	29.6	33.5	27.9	25.2	33.6	24.4	92	92	70	53	79	92	.8
Mean	58.52	58.79	59.51	57.17	57.50	59.37	24.1	23.1	29.3	31.4	27.9	25.8	32.6	22.4	89.2	91.6	65.4	57.5	70.6	81.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	98.5

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	NE	1	ENE	1	E	4	E	4	ESE	4	NW	2	3	Ci.	S.-Cu.	5	Ci. SW	Cu. E	
2	NW	1	NW	1	ENE	2	ESE	5	ESE	4	E	2	5	Ci.	S.-Cu. E	4	Ci.	Cu. E	
3	NW	1	NW	1	NNE	2	ESE	3	ESE	3	ENE	1	5	Ci.	S.-Cu. NE	7	A.-Cu. E	Cu. NE	
4	NE	1	NE	1	E	2	E	5	E	3	ENE	2	10	Ci.-S.	N. NE	9	Ci.-S.	N. ENE	
5	NNE	1	NE	1	E	4	ESE	6	ESE	3	ENE	1	7	Ci.	S.-Cu. E	5	Ci.	Fr.-Cu. ENE	
6	NW	1	NW	1	E	5	ESE	5	ESE	4	E	2	4	Ci.	S.-Cu.	5	A.-Cu.	Fr.-Cu. E	
7	NNW	1	NW	1	E	4	ESE	5	ESE	3	E	2	2	Ci.	Cu.	4	A.-Cu.	Cu. E	
8	NNE	1	NNE	1	NE	2	E	5	E	5	E	2	2	Ci.	S.-Cu.	4	A.-Cu.	Cu. E	
9	NE	1	NNE	1	E	2	E	6	ESE	3	NE	3	6	A.-Cu. NE	S.-Cu. E	8	A.-Cu. NE	Cu. E	
10	NE	1	NE	1	E	2	E	2	E	2	NNE	2	4	Ci.	S.-Cu.	7	A.-Cu.	Cu. E	
11	NW	1	NW	1	ENE	1	ENE	1	Calm	----	ENE	3	3	Ci.	S.-Cu.	6	A.-Cu.	Cu.-N.	
12	NE	1	NE	1	ESE	1	ENE	5	ESE	1	NNE	1	3	Ci.	S.-Cu.	4	A.-Cu.	Cu.-N.	
13	NE	1	NE	1	ESE	4	SE	3	ESE	2	NNW	2	3	Ci.	S.-Cu.	3	----------	Cu.-N.	
14	NNW	1	ESE	1	NNE	1	NE	1	NW	1	NNE	1	4	Ci.	S.-Cu.	6	Ci.	Cu.-N.	
15	NNE	1	NNE	1	ESE	1	ESE	1	NE	1	NNW	1	4	Ci.	S.-Cu.	5	A.-Cu.	Cu. SW	
16	NW	1	NW	1	ESE	1	SSE	1	ESE	2	ESE	1	7	Ci.	S.	7	Ci.	Cu.-N. SE	
17	NE	1	ENE	1	ENE	1	SE	1	SE	1	NE	1	5	A.-Cu. E	Cu. SE	6	A.-Cu.	Cu.-N. SE	
18	ENE	1	ENE	1	ENE	1	SE	1	SSW	2	NNW	1	6	Ci.	S.-Cu.	5	A.-Cu.	Cu. ESE	
19	NE	1	NE	1	ESE	1	ESE	1	ESE	2	NE	1	6	Ci.	S.-Cu. SE	9	A.-Cu. E	Cu. ESE	
20	NE	1	NE	1	NE	1	ENE	3	ESE	3	ESE	2	10	Ci.-S.	N. E	7	Ci.-S.	Cu. E	
21	NNE	1	NW	1	NE	2	E	4	E	3	NNW	1	7	Ci.-S.	S.-Cu. E	7	A.-Cu.	Cu. E	
22	NW	1	NW	1	E	3	E	2	E	3	NNW	2	4	Ci.-S.	S.-Cu.	7	A.-Cu. NE	Cu. ENE	
23	NNW	2	NNW	3	NNW	2	N	3	N	2	NNE	1	9	Ci.-S. SE	S.-Cu. NE	10	Ci.-S.	N. ENE	
24	ESE	2	SSE	2	SSE	3	S	6	SSW	4	SSW	2	5	Ci.	S.-Cu. S	10	Ci.-S.	N. S	
25	SSW	1	SSW	1	S	2	S	2	SSW	2	SSE	1	4	Ci.	S.-Cu. S	9	Ci.-S.	N. SSW	
26	S	1	NE	1	S	2	SSW	2	SSW	1	SSW	1	5	Ci.	S.-Cu. SE	7	Ci.-S.	Cu.-N. SW	
27	S	1	S	1	S	2	SSW	4	SSW	2	SSW	2	10	A.-S.	N. S	8	Ci.-S. NW	Cu.-N. SSW	
28	SW	1	WSW	1	NW	1	WNW	1	SSW	2	SSW	1	10	A.-S.	N. W	8	A.-Cu. NNW	Cu.-N. WNW	
29	ENE	1	ENE	1	ENE	1	ENE	1	Calm	----	Calm	----	4	Ci.	S.-Cu.	5	A.-Cu.	Cu.-N.	
30	ENE	1	ENE	1	ENE	1	NE	1	ESE	2	E	2	6	Ci. SE	S.-Cu. NE	6	Ci.-S.	Cu.-N.	
Mean	------	1.1	------	1.1	------	2	------	3	------	2.3	------	1.5	5.4	----------	----------	6.4	----------	----------	

SAN ISIDRO.

[$\phi = 15°\ 22'$ N; $\lambda = 120°\ 53'$ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

MAY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.94	59.31	60.32	57.52	58.30	60.02	25	24.2	30.5	33.6	28.3	24	34.5	23.4	95	95	65	50	82	97	21.9
2	59.15	59.11	59.69	57.36	57.31	59.14	24	24.4	29.2	32.5	28.8	25.8	33.2	23.9	96	97	70	53	62	81	------
3	58.40	58.33	59.32	56.97	57.64	59.64	24	23	29.9	32	28	26	32	22.2	91	92	56	48	66	80	------
4	58.91	59.05	59.91	58.38	59.08	60.47	24.5	23	31	32.5	29.5	26.5	33.1	22.5	87	90	48	50	61	79	------
5	60.11	60.37	60.93	58.85	59.49	61.20	25.6	25.1	30.5	31.7	30	25.8	32.2	24	84	86	58	52	59	81	------
6	59.94	60	60.35	58.29	58.70	60.77	24.5	24	29.7	31.4	29.6	24.3	32.2	22.9	87	91	66	62	67	91	1.8
7	59.46	58.85	60.18	57.83	59.34	60.21	23.5	23.5	29	30.4	25.2	24.5	31	22.9	96	96	71	60	87	92	1.8
8	58.58	59.51	59.55	57.01	57.73	59.11	23.5	23.2	28	32.5	27.2	25.7	32.8	22.5	96	95	70	54	75	83	------
9	58.81	59.27	60.10	57.41	58.59	59.78	24	23.5	30.7	33.5	23.6	23.7	33.7	22.8	93	96	65	50	98	94	6.9
10	58.96	59.05	60.11	57.63	58.96	60.13	23.5	22.7	28.8	32.3	24.1	24.6	33.3	22.5	96	97	75	56	89	90	32
11	58.96	58.98	59.78	57.46	58.06	59.71	23.5	23.4	29.7	33.5	25	25.7	33.8	22.6	96	97	69	56	87	86	.5
12	59.03	59.20	59.23	56.78	57.77	59.41	24	23	30	33	28	25.8	34	22.7	95	96	70	55	76	89	------
13	58.46	58.97	59.27	56.96	57.31	58.39	24.5	24.4	31.7	31.7	28.8	27.5	33	23.5	92	91	65	56	73	73	------
14	58.04	57.97	58.79	56.72	56.92	59.69	25.2	23	30.9	28.5	29.4	25.5	34	22.6	90	95	60	75	75	83	4.3
15	58.76	57.97	58.64	56.67	57.37	59.83	24.4	23.4	30.7	32	30.5	26.4	34.2	23	90	95	63	54	62	81	------
16	58.84	59.01	59.57	57.54	57.71	59.29	24	23.2	29.7	31.5	29.2	26	33	23	91	94	60	60	70	80	------
17	57.86	58.37	58.67	56.11	56.82	59.39	24.4	22.6	31.3	33.2	30.1	22.5	34.3	21.4	91	94	60	55	71	97	74.1
18	57.56	57.73	57.90	55.43	56.29	58.57	22.5	22.7	29.8	33	27.8	25	33.2	21.9	96	97	73	61	77	92	------
19	57.46	57.86	57.85	55.90	56.78	58.19	24	23.2	30.5	33.4	28.6	26.5	33.6	22.1	96	98	66	55	78	88	------
20	57.44	57.45	58.12	56.35	57.26	58.89	25	23.5	31	33.5	29.4	26.8	33.9	23	92	96	62	53	72	86	------
21	57.87	58.31	58.08	55.87	56.98	59	26	26.2	32.4	34.8	27.6	26	35	24.9	92	85	61	51	73	88	------
22	57.32	57.51	58.09	55.81	56.82	59.09	25.5	25.5	31.2	32.6	29	25.5	34.5	24	88	92	68	63	71	92	6.3
23	57.61	57.62	58.02	55.55	55.77	57.76	25	24	31.3	34.4	29.3	26.1	35.3	23.6	95	96	66	51	68	86	1.3
24	56.77	57.14	57.01	55.26	55.67	58.35	25.2	24.8	31.4	34	31.7	27	34.2	23.5	92	93	60	51	62	89	1
25	57.15	57.75	58.46	56.23	56.52	59.04	27	27	31.6	34.4	31.2	26.8	34.8	25.5	87	90	62	47	64	81	------
26	57.87	57.97	58.87	56.69	57.29	60.22	26	25	31.3	34.5	29.4	23.5	34.8	23.3	85	92	70	54	72	97	31.5
27	58.75	58.71	58.83	56.56	57.29	59.14	24	24.4	30	34	28.6	25.7	34.2	23.8	96	95	65	55	76	84	------
28	58.10	58.42	58.57	56.06	56.57	58.12	24.6	23.8	31.4	34	29.2	27.5	34.9	23.5	92	95	66	56	76	81	50.8
29	57.51	57.68	57.78	55.37	56.49	57.55	25	25.5	30.8	32.6	25.6	25.5	33.2	24.4	96	96	73	61	90	92	2
30	56.90	57.13	57.81	55.91	57.28	58.76	25	24.8	30.3	34	28.5	26.5	34.2	24.1	93	93	72	55	75	88	------
31	57.47	58.30	58.63	58.18	57.77	59.68	25	24.6	31	26.6	28.9	27.2	33.4	23.6	92	91	68	88	75	87	3.5
Mean	58.29	58.48	58.98	56.80	57.48	59.31	24.6	24	30.5	32.6	28.4	25.7	33.7	23.2	92.2	93.7	65.3	56.4	73.8	86.7	------
Total	-------	-------	-------	-------	-------	-------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	239.7

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.				2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.			Amount.	Form and direction.		
														Upper.	Lower.			Upper.	Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*				*0–10*			
1	NNW	1	NNW	1	ESE	1	NE	1	SSW	1	SE	1	4	Ci.	S.-Cu.		6	Ci.-S.	Cu.-N.	
2	SE	1	ESE	1	E	2	E	2	ESE	3	NNW	1	5	Ci.	S.	E	5	Ci.	Cu.	NE
3	NW	1	NW	1	ESE	3	ESE	4	ESE	3	E	1	3	Ci.	Cu.		4	A.-Cu.	Cu.	
4	NNW	1	NNW	1	E	2	ESE	3	ESE	3	ESE	2	3	Ci.	S.-Cu.		8	Ci.-S.	SE	Cu. E
5	ESE	1	E	1	E	3	E	4	ESE	3	ESE	1	7	Ci.-S.	N.	E	4	Ci.-S.	Cu.-N.	
6	NE	1	NE	1	ESE	2	ESE	3	ESE	2	NW	2	4	Ci.	S.-Cu.	E	8	Ci.-S.	Cu.	E
7	NE	1	ENE	2	SE	2	ESE	3	SSE	2	ESE	1	7	Ci.	S.-Cu.	E	7	Ci.-S.	Cu.-N.	SE
8	SSW	1	SSW	2	SE	1	SW	2	NW	2	ESE	1	10	A.-S.	S.	S	6	A.-Cu.	Cu.-N.	SW
9	ENE	1	ENE	1	SSW	2	SSW	3	NW	1	ENE	2	7	Ci.	S.-Cu.	ESE	5	Ci.-S.	cu.-N.	SSW
10	NE	1	NE	1	E	1	E	2	E	2	NW	1	8	A.-Cu.	E	S. NE	6	Ci.-S.	Cu., Cu.-N.	E
11	NE	1	ENE	1	ENE	1	SSW	1	NNW	3	E	1	7	Ci.		S. NE	7	Ci.-S.	SE	Cu.-N.
12	NNW	1	NNW	1	NE	1	NE	1	NW	2	NE	1	7	Ci.-S.	ESE	S.-Cu. E	6	Ci.-S.	cu., cu.-N.	ESE
13	NE	1	SE	1	ESE	2	E	4	ESE	1	SE	1	6	A.-Cu.		S.-Cu E	6	Ci.-S.	Cu.-N.	SE
14	NE	1	NE	1	E	3	E	2	SSW	2	SE	1	6	Ci.		S.-Cu.	7	Ci.	Cu.-N.	SE
15	NE	1	NE	1	E	1	SE	2	SE	2	WSW	2	4	A.-Cu.		S.-Cu.	7	A..Cu.	NE	cu.-N. ESE
16	NW	1	NNW	1	SE	4	SE	3	SE	2	SE	1	9	Ci.-S.		N. E	8	Ci.-S.	E	Cu.-N. SE
17	SE	1	SE	1	SE	1	SSE	3	SSE	2	SE	1	4	Ci.		S.-Cu.	7	Ci.-S.		cu.-N. SSW
18	SE	1	SE	1	SE	1	SSW	2	SSW	2	NNW	2	7	A.-Cu.	NE	S.-Cu. SSE	8	Ci.-S.		Cu.-N. SE
19	NNW	1	NNW	1	SE	1	SE	1	SSW	2	SSW	1	10	Ci.		S. NW	7	Ci.	NW	Cu. ESE
20	NE	1	NE	1	ENE	1	SSW	2	SSE	2	SSE	1	1	Ci.		Cu.	5	Ci.-S.		Cu.-N. SE
21	SE	1	SE	1	SE	1	SSE	1	SSW	1	NE	1	5	Ci.		S.-Cu.	6	Ci.-S.	NE	Cu.-N. SE
22	NW	1	NW	1	NE	2	NE	1	SE	1	SE	1	6	Ci.	NE	S.-Cu.	7	Ci.-S.	N	Cu.-N. SE
23	SE	1	NW	1	NE	1	SSE	1	SE	1	NE	1	7	Ci.		S. NW	5	Ci.	NE	Cu.-N. SE
24	NNW	1	NNW	1	NE	2	SE	1	SE	1	NE	1	4	Ci.	NE	S.-Cu. SE	6	Ci.		Cu. SE
25	NE	1	ENE	1	NE	2	SSE	2	SSE	1	ENE	2	5	Ci.		Cu. ESE	4	Ci.		Cu.-N.
26	NE	1	NE	1	SSW	2	SSW	2	SSW	2	SSE	3	5	Ci.		S.-Cu.	6	Ci.		cu.-N. SSE
27	SE	1	NE	1	ENE	1	SSE	1	SSE	1	ENE	1	7	Ci.-S.	NE	S.-Cu. SE	5	Ci.-S.	NE	Cu.-N.
28	NE	1	ENE	1	SE	1	SSE	2	SSE	1	SSE	1	7	Ci.-S.	NE	S.-Cu.	5	Ci.		Cu.-N. SE
29	NE	1	ENE	1	SE	1	SSE	2	SSW	1	SW	1	7	Ci.		S.-Cu. SE	8	Ci.		cu.-N. wsw
30	SW	1	SW	1	SE	2	SSE	1	NNW	1	NE	1	6	Ci.-S.		S.-Cu. SW	6	Ci.-S.	NE	Cu. SW
31	NE	1	NE	1	NE	1	NE	1	NNE	1	ESE	2	7	Ci.-S.		S.-Cu. E	9	Ci.-S.		N. E
Mean	-------	1	-------	1.1	-------	1.6	-------	2	-------	1.7	-------	1.3	6	----------	----------		6.3	----------	----------	

SAN ISIDRO.

[$\phi = 15°\ 22'$ N; $\lambda = 120°\ 53'$ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

JUNE, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.74	58.50	58.84	58.08	58.09	59.60	24.6	24.4	31	30.2	28.4	26.4	33.6	24	95	93	71	74	80	92	0.3
2	58.94	59.16	60.18	58.53	58.52	59.65	25.4	24.6	30.8	32	29	26	32.2	23.7	92	95	65	61	69	79	------
3	59.09	59.49	59.99	58.41	58.72	60.61	24.5	25.9	31.5	32	28.5	26.5	34.1	23.4	87	86	63	61	81	84	------
4	59.64	59.82	59.93	58.56	58.84	60.27	25	23.8	31.6	33.2	30	27.1	33.5	23.5	93	97	60	54	68	79	------
5	59.40	59.81	59.84	57.89	58.11	60.32	25	24.5	30.7	30.5	29.6	27	32.2	23.8	92	92	62	66	67	78	------
6	59.07	59.34	58.99	57.21	57.44	59.58	25	24.5	30.9	32	28.4	26	32.8	23.5	92	92	60	51	64	79	.8
7	58.54	58.92	58.79	57.05	56.97	58.99	25	24	30.6	32	29.5	26.9	32.4	23.2	88	95	63	57	71	80	------
8	58.03	58.06	58.32	56.70	56.66	58.79	25	24.2	31.8	33.4	29.8	27	34	23.4	92	93	62	53	66	80	------
9	58.34	58.61	59.12	57.60	57.89	60.12	25	25.4	31.4	33.4	29.5	28.3	33.9	24.5	92	95	67	60	71	75	------
10	59.31	60	60.42	58.40	58.42	60.24	25.3	25	32.2	33.9	29.2	27.3	34.6	24	92	92	63	48	70	77	------
11	59.21	59.49	59.91	58.24	58.31	59.55	25.2	25.4	32.5	31	29.2	27	33.6	24	90	88	55	63	70	81	.8
12	58.54	58.81	59.06	57.39	57.16	58.34	25	25.1	31.2	32.5	30	27.5	33.4	23	92	91	57	52	61	73	------
13	57.91	58.34	58.84	56.85	56.97	59.55	25	24.6	32.9	34.2	29	27	35.4	23.5	92	90	58	52	81	86	1.3
14	58.94	59.71	59.77	58.50	58.02	59.79	26	25.4	30.3	32.4	30	26.8	32.6	24.2	92	93	67	62	64	82	------
15	59.54	59.51	59.82	58.16	57.19	58.83	25.5	24.3	30.5	31.9	29.8	27.3	34	23.9	89	94	67	64	75	83	.5
16	57.64	57.65	57.73	56.12	56.51	57.10	26.5	25.5	30.4	30.3	26	25	32.4	24	88	89	69	70	92	89	.3
17	56.32	55.72	55.94	54.25	54.19	55.55	24	24.1	30	33.8	28	26.7	34.2	23	91	95	71	48	79	85	------
18	54.06	54.04	54.79	53.61	54.21	56.06	25.8	25	28.9	29.2	27.5	25.5	32	24.4	88	94	78	76	81	89	3.6
19	55.34	55.49	55.95	55.29	56	56.96	24.2	24.5	27.5	25.7	25.2	24.7	30	23.5	91	91	84	92	93	92	21.1
20	56.52	56.33	56.94	56.28	56.82	58.04	24	23.5	27.8	29	27.8	25.5	29.7	23.3	93	93	78	74	76	91	.3
21	58.24	58.66	58.66	58.72	58.75	59.53	25.5	24.5	27.2	30.6	28.5	26.9	31.5	24	92	92	80	64	74	73	------
22	59.52	60.26	60.69	59.27	59.37	61.58	24.5	23	30.6	33	31	27	33.4	22.4	92	93	63	54	59	80	------
23	60.54	61.04	60.96	58.91	58.97	61.05	25	24.5	32	34.4	31	22.8	35	19.5	92	92	64	50	59	93	17.8
24	59.60	59.48	59.34	57.17	57.04	58.67	23.5	23.5	30.7	34	31	26	34.2	22.6	96	96	74	57	69	90	.8
25	57.27	57.29	57.94	55.80	55.92	57.58	25.4	25.5	30.7	34.5	25.4	25.2	34.6	24.2	92	93	67	56	92	95	6.9
26	57.19	57.32	57.68	55.80	56.13	57.86	25	23.5	30	31.4	26.2	25.3	32.8	23.5	96	97	71	63	89	93	10.9
27	57	56.53	57.40	56.12	57.09	58.74	25	24.6	29.4	31.1	27.4	25.4	33.2	23.5	93	93	78	70	77	88	4.1
28	57.76	57.58	58.25	56.21	56.99	58.42	25	23.5	28.1	32.2	28.5	25.4	33.1	23	92	94	79	59	74	92	------
29	57.40	57.72	57.69	55.60	56.62	57.05	24.5	23.7	30.4	32.7	23.4	23.2	33.2	22.5	92	94	70	57	97	98	49.6
30	56.10	56.32	56.04	53.84	54.51	55.39	23	22.5	27.2	31.5	23.3	24	32.2	22	97	99	84	65	97	98	37.3
Mean	58.12	58.30	58.59	57.02	57.21	58.79	24.9	24.4	30.4	31.9	28.3	26.1	33.1	23.4	91.8	93	68.3	61.1	75.5	85.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	156.4

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10. p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		0–12		0–12		0–12		0–12		0–12	0–10			0–10			
1	NW	1	NW	1	WNW	1	SE	4	SSE	2	SSE	1	7	Ci.-S.	NE N. E	8	Ci.-S.	N. E	
2	SE	1	SSE	1	SSE	2	SSE	2	ESE	2	ESE	2	8	Ci.-S.	NE N. SE	8	Ci.-S.	Cu. ESE	
3	E	1	NE	1	SE	2	SE	2	SE	1	SE	1	5	Ci.	S.Cu.	9	Ci.-S.	N. ESE	
4	SSE	1	SSW	1	E	2	ESE	3	ESE	3	NE	2	3	Ci.	S.Cu.	6	A.-Cu. E	Cu. ESE	
5	NNE	1	NE	1	E	2	SE	3	SE	3	ESE	2	5	Ci.	Cu. E	7	A.-Cu. ESE	Cu. ENE	
6	NE	1	NE	1	NE	3	ESE	4	ESE	4	ESE	3	6	Ci.	Cu. E	6	A.-Cu. ESE	Cu. E	
7	ENE	1	NE	1	E	2	E	4	ESE	3	SSE	1	7	Ci.-S.	N. E	7	Ci.-S. SE	Cu. E	
8	SE	1	NE	1	ESE	2	ESE	4	ESE	4	E	2	5	Ci.	Cu.	8	Ci.-S. SE	Cu. E	
9	NE	1	NNW	1	NNW	1	ESE	4	ESE	3	ESE	2	7	Ci.-S.	SE S.-Cu. E	6	Ci.-S.	Cu.-N.	
10	ESE	1	NNW	1	E	2	ESE	4	ESE	2	ESE	1	6	Ci.	S.-Cu. E	5	Ci.-S.	Cu.-N. E	
11	NE	1	NE	1	E	2	ESE	4	ESE	2	ESE	1	6	Ci.	S--Cu. E	9	Ci.-S. SE	N. E	
12	NE	1	NE	1	E	2	ESE	4	ESE	2	ESE	1	5	Ci.	S.-Cu. E	7	A.-Cu. E	Cu.-N.	
13	ENE	1	ESE	1	ESE	1	SSW	3	SSE	2	SSE	2	7	Ci.-S.	S.-Cu.	8	Ci.-S. ESE	Cu.-N.	
14	SSE	1	SSE	1	SSW	2	SSW	4	SSW	4	SSE	2	6	Ci.	S.-Cu. S	8	A.-Cu. E	Cu. SSW	
15	SSE	1	ESE	1	SSW	2	SW	2	SW	2	SW	2	5	Ci.	S.-Cu. SE	8	Ci.-S. NE	N. SW	
16	SW	1	SW	2	SW	2	SW	4	SSW	2	WNW	1	8	Ci.-S.	N. WSW	9	Ci.-S.	N. WSW	
17	SW	1	Calm	----	SW	3	WSW	4	SW	1	SW	1	9	Ci.-S.	N. WSW	7	Ci.-S. N	Cu. W	
18	SW	1	SW	1	SSW	5	SSW	6	SSW	6	SSW	3	8	Ci.-S.	S.-Cu.SSW	9	Ci.-S.	N. SSW	
19	SSW	2	SSW	2	S	4	SSE	4	SSE	4	SSE	2	9	Ci.-S.	N. SSW	10	Ci.-S.	N. S	
20	SSE	2	SSE	2	SSE	3	S	4	SSW	2	SSE	1	10	Ci.-S.	N. S	10	Ci.-S.	N. SSW	
21	SSE	1	SSE	1	SE	1	SSE	4	SSE	1	SE	2	10	Ci.-S.	N. S	8	Ci.-S.	Cu. S	
22	SE	1	NE	1	SSE	2	SSW	4	SSW	2	SSW	1	4	Ci.	S.-Cu.	4	Ci.	Cu.-N. S	
23	SSW	1	SSW	1	SW	2	SW	1	NW	5	SSE	1	1	----------	S.	6	A.-Cu.	Cu. SSW	
24	SW	1	WSW	1	WSW	1	WSW	2	WSW	3	ESE	1	5	Ci.	S.-Cu. NW	7	Ci. NE	Cu. NW	
25	SW	1	SW	1	SW	1	SW	2	WSW	2	ESE	1	5	Ci.	S.-Cu. W	7	A.-Cu.	Cu.-N. W	
26	NE	1	NE	1	SE	2	SW	3	SW	2	SE	1	7	Ci.	S. NE	8	Ci. ENE	Cu. WSW	
27	SE	1	SE	1	SSW	2	SW	4	SW	2	SE	1	7	A.-Cu.	E S.-Cu. SE	9	Ci.-S.	N. SW	
28	SE	1	SE	1	SSW	2	SSW	2	SSW	2	ESE	1	8	Ci.-S.	NE S.-Cu. S	5	Ci.	Cu. SW	
29	ESE	1	ESE	1	NNW	1	NNW	2	SE	1	NE	1	5	Ci.	NE S.-Cu.	7	Ci. NE	Cu. W	
30	NE	1	ENE	2	NW	2	NW	1	NW	1	NE	1	8	Ci.	S. NE	8	Ci. E	Cu. NW	
Mean	------	1.1	------	1.1	------	2	------	3.3	------	2.5	------	1.5	6.4	----------	----------	7.5	----------	----------	

SAN ISIDRO.

[$\phi = 15°\ 22'$ N; $\lambda = 120°\ 53'$ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

JULY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	54.13	54.18	53.72	51.50	51.22	51.06	23.8	24.2	27.4	29.4	26	25.3	30	23.4	98	97	86	85	95	96	55.4
2	49.58	51.53	54.34	54.58	55.38	57.40	24.8	24.2	23.8	24.9	25.5	24.9	26	23.5	95	96	97	92	84	87	37.4
3	56.46	58	58.06	57.33	57.67	60.16	24.8	24.1	26.9	30.3	27.4	26.4	31	23.8	88	94	85	64	81	81	.8
4	59.01	58.76	59.26	57.59	58.84	60.27	24.2	24	29.7	32	24.8	23.5	32.2	23.4	95	96	75	63	93	96	2.5
5	58.78	58.91	60	57.63	58.15	60.16	23.6	24.4	29.7	28.4	27.8	23.7	31.6	22.8	95	92	75	79	77	92	------
6	59.02	59.46	59.45	57.42	57.21	58.98	22.5	22.3	28.6	32	30	27	32.2	21.5	97	97	73	59	62	80	------
7	58.27	58.84	58.88	57.07	57.01	59.14	25.5	24.6	31.6	31.1	29.6	26	32.6	23.6	88	95	65	67	69	90	------
8	58.14	58.73	58.48	56.52	56.58	58.79	25	23.8	31	34	31	27	34.4	23.5	95	98	59	58	65	87	2.8
9	58.07	58.31	58.40	56.52	57.09	59.22	25.4	26	31	32	26.4	25.6	33.3	24.5	88	92	72	63	92	93	42.4
10	58.27	58.76	59.01	56.98	58.01	59.40	25.2	24.5	28.2	31	23.5	24.2	31.3	22	94	98	83	69	96	93	12.2
11	58.63	58.91	59.29	57.39	58.01	59.34	25	24.5	30.1	27.9	26.8	25.6	32	23.9	95	96	75	81	82	93	1.5
12	58.80	59.18	59.10	56.97	56.32	58.51	25	24.5	29.4	32	30.8	24	33.2	23.4	95	97	74	69	70	92	17.5
13	57.52	57.37	56.63	54.87	54.03	55.42	24	23.6	27.4	31.8	28.3	25.3	32.6	23	95	98	84	62	78	94	17.5
14	53.28	52.60	52.50	50.50	49.90	50.85	25	23.7	23.7	24.7	24	23.5	26.2	22.4	95	95	96	94	91	96	65.3
15	49.93	50.14	51.25	51.55	51.55	52.51	23	23	23.7	23.8	23.6	23.4	24.3	22.5	96	96	96	97	98	97	95.7
16	52.43	52.94	54.69	53.27	53.89	55.23	23	24	23	25.1	24.7	24.5	25.6	22.9	96	96	97	96	94	92	38.9
17	54.54	54.95	55.92	55.40	55.30	56.71	23.5	23.8	24.7	24.7	24.1	23.5	26.2	22.9	96	97	97	97	97	98	75.7
18	55.31	56.18	56.76	56.21	55.30	56.62	24	23.8	24.7	24.7	24.6	23.8	25.2	23.3	97	97	97	97	97	98	6.6
19	55.38	56.18	56.60	54.94	55.06	56.92	23.3	23.4	26.2	28	26.5	25	28.4	22.9	97	98	90	81	88	95	------
20	55.64	55.60	56.56	55.73	55.60	56.48	24.2	23.3	27	24.2	23.8	23.2	29.2	23	97	97	84	96	97	97	20.8
21	55.30	54.85	55.59	54.37	54.04	55.32	23.5	23.6	25.4	27.2	25.7	24.8	27.7	23	97	97	93	84	86	92	3.3
22	54	54.05	54.36	52.71	52.58	53.60	23.8	23.7	26.2	25.8	24.6	24.2	27.5	23.5	97	97	90	92	97	97	17.5
23	52.60	52.65	53.41	52.47	52.23	53.70	24	23.7	25.5	25.4	24.8	24	26.3	23	97	98	94	97	97	98	72.6
24	52.04	52.13	52.98	51.81	51.92	52.91	24.5	24.6	24.9	26.4	25	25.4	26.7	23.7	97	98	97	94	98	97	51.8
25	51.44	51.77	52.43	52.09	52.07	53.83	25.2	25	27.4	27.1	27	26	28.7	24.8	97	97	92	90	87	92	5.1
26	53.36	53.51	54.21	53.36	53.96	55.96	25.4	25.4	25.9	30	27.2	26.5	31	24.9	93	95	96	78	86	94	2
27	56.04	56.41	57.18	56.56	56.78	58.34	25.2	24.5	30.4	31.7	27.3	26	32.3	24	94	96	72	71	87	95	1.3
28	57.34	57.66	58.15	56.28	57.03	58.52	25.5	25	30.4	32	29.6	23.7	32.3	23.2	96	97	78	69	71	98	10.2
29	57.72	57.06	57.37	55.29	56.09	57.37	23.5	23	28	32	26.2	24.1	32.6	22.6	97	97	83	69	92	95	2.8
30	56.46	56.48	56.78	54.92	55.24	56.86	24	23.7	28.7	31.9	26	25	32.8	23.4	97	97	78	67	88	96	11.7
31	55.73	55.48	55.71	54.67	54.46	54.52	24.5	24.2	26.8	26.8	25.7	25.3	27.8	23.9	97	98	89	87	96	98	5.1
Mean	55.59	55.86	56.36	54.98	55.11	56.58	24.3	24.1	27.3	28.7	26.4	24.9	29.8	23.3	95.2	96.4	84.6	79.6	86.8	93.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	676.4

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.				2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.			Amount.	Form and direction.		
														Upper.	Lower.			Upper.	Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*				*0–10*			
1	NE	1	ENE	1	WNW	1	WNW	1	NW	1	WNW	2	10	Ci.-S.	N. NE		10	A.-S. E	N. WNW	
2	SW	7	SSW	7	SSW	5	SSW	6	S	5	S	5	10	Ci.-S.	N. S		10	Ci.-S.	N. S	
3	SSW	4	SSW	3	S	3	SSW	3	SSW	3	SSW	2	10	Ci.-S.	N. SSW		8	Ci.	Cu. SSW	
4	SSW	2	SSW	1	S	2	S	2	S	2	NNW	2	5	Ci.	S.-Cu.		8	Ci.	Cu.-N. S	
5	NW	1	NW	1	S	2	SE	2	E	2	NW	2	6	Ci. NE	S.-Cu.		9	Ci.-S.	Cu. NE	
6	NW	1	NW	1	NW	1	ENE	1	E	3	E	1	7	A.-Cu. E	S. NE		7	A.-Cu.	N. ENE	
7	NE	1	NNE	1	E	1	E	2	E	2	NW	2	7	Ci.	Cu. E		8	Ci. SE	cu.-N. ENE	
8	NW	1	E	1	E	2	ESE	2	SSW	2	SSW	2	10	Ci.-S.	S. E		7	A.-Cu.	Cu. E	
9	S	1	SE	1	SSE	2	SSE	2	SSE	1	SE	1	5	Ci.	Cu. S		6	A.-Cu.	cu.-N. SSW	
10	NW	1	NE	2	SSE	2	SSE	2	SSE	2	SSE	1	10	Ci.-S.	N. W		7	Ci. NE	Cu. W	
11	SSE	1	SSW	1	SW	2	SW	3	SW	2	SW	1	8	Ci.	S.-Cu. WSW		10	Ci.-S.	N.-cf. WSW	
12	SSW	1	SSW	1	SSE	1	SW	2	SW	2	SSW	2	8	A.-Cu. SW	S. W		6	Ci.	Cu. WNW	
13	SW	1	WSW	1	WSW	1	NW	4	W	1	W	1	9	Ci.-S.	N. NW		8	Ci.-S. ENE	N. NW	
14	WSW	2	SW	2	SW	2	SW	1	SW	2	SW	2	10	A.-S.	N. W		10	A.-S.	N. SW	
15	SW	2	SW	3	SSW	4	SSW	3	SSW	1	SSW	2	10	Ci.-S.	N. SW		10	Ci.-S.	N. SW	
16	SSW	2	SSW	1	SW	3	SW	2	SW	2	SW	1	10	Ci.-S.	N. SW		10	Ci.-S. N	N. SW	
17	SSW	2	SSW	2	SSW	2	SW	1	SSW	1	SSW	1	10	Ci.-S.	N. SW		10	Ci.-S.	N. W	
18	SSW	1	SSW	2	SSW	2	SSW	1	SSW	1	SSW	1	10	Ci.-S.	N. S		10	Ci.-S.	N. SW	
19	SSW	1	SSW	1	SSW	3	SW	4	SSW	3	SSW	1	10	A.-S.	S. SW		10	Ci.-S. E	Cu. SW	
20	SSW	1	SSW	1	SSW	4	SSW	2	SSW	3	SSE	1	5	Ci. NE	S. S		10	Ci.-S.	N. S	
21	SSE	1	SSE	2	SSE	3	SSW	5	SSW	3	SSE	1	10	Ci.-S.	N. S		10	Ci.-S. WNW	N. SW	
22	SSE	2	S	4	SSW	4	SSW	4	SW	3	SW	4	10	Ci.-S.	N. SW		10	Ci.-S.	N. SW	
23	SW	4	SSW	3	SSW	5	SSW	3	SSW	2	SSW	3	10	Ci.-S.	N. SW		10	Ci.-S.	N. SW	
24	SSW	2	SSW	5	SSW	5	SSW	5	SSW	4	SSW	3	10	Ci.-S.	N. SW		10	A.-S. NW	N. SW	
25	SSW	5	SSW	4	SSW	4	SW	5	SW	6	SW	3	8	Ci.-S.	N. SW		10	Ci.-S. NNW	N. SW by W	
26	SW	4	SW	3	SW	5	SW	2	SW	3	SW	1	10	Ci. NNW	N. WSW		8	A.-Cu. W	N. SW	
27	SW	1	S	1	S	2	SSW	4	SSW	1	NE	1	7	A.-Cu. W	S.-Cu. S		8	Ci.-S.	N. SW	
28	SE	1	SE	1	SSW	2	SSW	3	SSW	2	ENE	2	7	Ci.	Cu. SW		6	Ci. NE	cu.-N. SSW	
29	ESE	1	ESE	1	SW	1	SW	1	SSW	1	SW	1	6	Ci.	S.-Cu. S		6	Ci.-S. SE	Cu.-N.	
30	SW	1	WSW	1	WSW	1	SW	2	SW	4	NW	2	8	A.-Cu.	Cu. W		7	A.-S.	Cu.-N.	
31	NW	1	WNW	1	SW	2	SW	1	SW	1	SSW	1	10	Ci.-S.	N. W		10	A.-S.	N. SW	
Mean	------	1.8	------	2	------	2.5	------	2.6	------	2.3	------	1.8	8.6	------	------		8.7	------	------	

SAN ISIDRO.

[$\phi = 15°\ 22'$ N; $\lambda = 120°\ 53'$ E; barometer above sea, 20 meters; gravity correction not applied, −1.69 mm.]

AUGUST, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	53.52	53.53	53.48	52.70	53.47	55.52	25	24.5	27.3	26	25	24.1	28.3	24	97	97	88	92	88	96	10.4
2	54.48	54.92	55.47	53.94	54.75	56.30	24.4	23.9	28.4	27.7	26.5	25.6	29.7	23.5	97	94	82	91	86	95	12.5
3	55.22	55.37	56.20	55	55.04	56.99	24.6	24.9	29	30.5	26.5	25.5	30.8	24.4	97	96	82	75	93	94	4.6
4	56.01	56.25	56.53	55.45	55.45	57.04	25	25	30	31.2	27	26.2	31.7	24.4	95	96	78	73	86	92	1
5	56.14	56.24	56.89	56.01	56.12	58.53	25.2	25.2	31	32.2	28.5	26.5	32.4	24.8	95	94	75	68	77	90	------
6	57.07	57.69	58.92	56.81	56.88	58.71	25.8	24.5	30.7	32.4	29.2	27	32.7	24.4	93	96	72	66	76	84	------
7	57.66	58.19	58.28	56.70	57.09	57.89	25.4	25.2	30	33.4	25	25.9	33.6	24.5	93	94	75	64	92	96	14.5
8	56.94	56.81	56.63	55.16	55.04	56.02	25	24.5	29.9	30.8	26.7	25.6	32.6	23.9	96	97	75	78	94	91	21.3
9	55.42	55.19	55.15	53.11	53.26	54.87	24.8	24.3	29.9	31	26	25.8	32.4	24	97	97	75	72	94	95	4.3
10	53.72	53.36	53.91	52.49	53.58	54.18	25.2	25.2	28.7	26	25	25	32.7	24.5	97	98	84	94	93	95	11.2
11	53.72	53.41	54.52	53.84	53.94	55.69	24.5	24.8	28.5	26.6	27.6	26	31.2	24.4	96	97	85	93	87	92	17
12	54.86	54.93	55.41	54.85	54.81	56.49	25.6	24.8	29.4	27.5	28	25.8	32.7	24.5	92	97	79	86	86	92	2
13	55.56	55.03	55.42	53.95	54.58	55.37	24.9	24.8	28.2	27	26.2	25.6	30.5	24.4	94	95	83	88	94	95	3.1
14	54.43	54.62	55.34	54.36	55.41	57.87	24.8	24.5	29	31	27	24	31.3	24	95	96	82	75	87	97	5.3
15	56.83	57.16	58.54	57.67	58.06	59.42	23.8	24.3	26	27.7	25.6	24.5	30.6	23.4	97	97	90	82	92	94	1
16	58.93	59.21	59.64	57.88	58.01	59.88	24.4	24.1	30.7	32.7	29	26.2	33	23.8	97	96	75	64	75	90	------
17	58.47	58.60	59.08	57.52	57.95	58.71	25	24.4	29.1	29	23.5	23.6	32.2	23.1	92	97	80	74	96	97	19.3
18	57.72	57.17	57.50	56.44	56.46	57.73	23.6	23.1	28	24.9	25	24	30.6	22.8	97	99	82	94	92	92	19.6
19	56.72	56.44	56.95	55.97	56.34	57.67	23.6	23.1	28.6	25.6	25.2	24.8	31	22.5	95	97	75	91	94	93	.8
20	56.73	57.13	57.60	56.38	56.62	58.08	24.4	24.2	28.2	26.5	24.9	24.2	31	23.5	95	94	80	83	91	91	1.3
21	57.28	57.29	58	55.93	56.61	58.04	23.8	22.5	28.6	30.1	27.5	24.6	31.2	22	93	97	78	73	78	93	------
22	57.08	56.77	57.39	55.72	55.77	57.84	23.4	22.2	29.5	31.9	29	26.1	32.4	22	97	96	72	64	74	88	------
23	56.46	56.21	57.17	55.63	55.77	57.84	24.5	23.4	29	27.7	28	26.5	33.2	23	96	96	78	87	80	88	1.5
24	56.44	56.77	57.01	54.68	54.87	56.17	25	24.5	27.9	28.5	24.9	24	30	23.8	93	96	81	77	95	96	9.1
25	55	53.89	54.05	52.08	51.99	52.96	23.5	23.1	24.5	27.1	26.5	24.5	28.4	22.8	96	96	92	83	90	87	3
26	51.98	51.95	53.59	52.03	53.21	54.81	24	24	25.2	30	27.5	25	30.2	23.5	96	91	93	80	84	95	8.9
27	54.48	55.04	55.84	54.81	55.42	57.63	24.8	24.4	29.5	31.6	29	26.1	32.2	24.1	97	97	75	61	76	94	.5
28	57.27	57.42	58.23	56.69	56.93	57.94	26	25	27.5	31.4	28	26	32.2	24.8	94	96	91	71	83	92	1.5
29	57.16	57.37	57.73	55.98	56.09	56.70	25.2	25.4	30.5	30.1	27	26	32	24.5	95	97	75	77	89	95	8.9
30	55.51	55.82	57.24	56.21	56.68	56.71	25	24.8	24.6	25.7	23.6	22.8	28.9	22.8	96	98	95	90	98	98	26.7
31	55.60	55.70	56.24	54.23	55.44	57.07	22.7	23	28.7	29.9	27.8	24	31	22.4	98	98	84	79	84	96	1.5
Mean	55.95	55.98	56.58	55.17	55.54	56.99	24.6	24.2	28.6	29.2	26.7	25.2	31.4	23.7	95.4	96.2	81	78.9	87.2	93	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	210.8

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.		Amount.	Form and direction.		
														Upper.	Lower.		Upper.	Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	SW	1	SW	1	SW	3	SW	1	SW	1	SW	1	10	Ci.-S.	N. SW	10	Ci.-S.	N. SW	
2	SW	1	SW	4	SW	4	SW	4	SW	4	SW	3	10	Ci.-S.	N. SW	10	Ci.-S.	N. SW	
3	SSW	2	SSW	2	SSW	5	S	6	SSW	4	SSW	5	10	Ci.-S.	N. S	10	Ci.-S.	N. SSW	
4	S	2	S	1	S	4	S	4	SSW	3	S	2	9	Ci.-S.	N. SSW	6	A.-Cu. W	Cu. SSW	
5	S	1	SSE	2	S	2	S	5	SSW	4	SW	1	5	Ci.	Cu. SW	6	Ci. SE	Cu. SW	
6	S	1	S	1	SSW	2	SSW	4	SSW	2	SSW	2	8	Ci.-S.	S.-Cu.	7	Ci. NE	Cu. SW	
7	SSW	1	SSW	1	WSW	1	SSW	3	SW	1	Calm	----	8	Ci.-S.	Cu. SW	7	A.-Cu. W	Cu.-N. sw	
8	NNW	1	Calm	----	WSW	2	WSW	2	WSW	1	WNW	1	8	A.-Cu. NE	N. W	8	A.-Cu.	Cu.-N. W	
9	WNW	1	WNW	1	WSW	3	SW	2	Calm	----	SW	1	10	Ci.-S.	N. W	10	Ci.-S.	N. WSW	
10	SW	1	SW	1	SW	1	SW	1	SW	1	SW	2	10	Ci.-S.	N. SW	10	Ci.-S.	N. W	
11	SW	1	SW	1	WSW	1	WSW	1	SW	2	SW	1	8	Ci.-S.	N. W	10	A.-S.	N. WSW	
12	SW	1	SW	1	SSW	2	SW	1	SW	1	SW	1	10	Ci.-S. N	N. SW	10	Ci.-S.	N. SW	
13	SW	1	SSW	2	SSW	3	SSW	4	SSW	2	SSW	3	10	A.-Cu. NW	S.-Cu. ssw	10	Ci.-S.	N. SSW	
14	SSW	2	SSW	2	SSW	5	SSW	6	SSW	4	SSW	3	10	Ci.-S.	N. SW	6	Ci. NW	Cu. SSW	
15	SSW	1	SSW	2	SSW	5	SSW	5	SSW	2	S	1	8	Ci.-S.	N. SSW	8	Ci.-S.	N. SW	
16	SSW	1	SSW	1	SW	2	SSW	4	SSW	2	SSW	2	8	Ci.-S.	Cu. SW	7	Ci. NE	Cu. WSW	
17	SW	1	SW	1	SW	2	SW	3	SW	2	Calm	----	7	Ci.	Cu. W	7	Ci.-S.	Cu.-N. W	
18	SW	1	Calm	----	WSW	1	WSW	3	WSW	2	SSW	2	7	Ci.	Cu. W	10	Ci.-S.	N. W	
19	SSW	1	SW	1	WSW	1	SW	2	SW	2	SSW	1	9	Ci.-S.	N. W	10	Ci.-S.	N. W	
20	SW	1	SSW	1	S	2	SSW	4	SSW	1	SSW	2	10	Ci.-S.	Cu. SW	10	Ci.-S.	N. SW	
21	S	1	S	1	S	3	S	4	S	3	S	1	5	Ci. NE	Cu. S	8	Ci.-S.	Cu. S	
22	SSE	1	S	1	S	2	S	3	S	3	S	1	4	Ci. NE	S.-Cu.	6	A.-Cu.	Cu. S	
23	E	1	E	1	SE	1	SW	1	SW	1	WNW	2	7	Ci.-S. E	S.-Cu.	8	Ci.-S. NE	Cu. W	
24	NNW	1	NNW	1	NNW	2	NNW	3	NNW	1	NW	2	10	Ci.-S.	N. N	10	A.-S.	N. NNW	
25	NW	1	NW	1	WNW	1	W	2	W	1	W	2	10	A.-S.	N. NW	10	Ci.-S.	N. WNW	
26	W	3	SW	3	SW	2	SW	5	SW	4	SW	1	10	Ci.-S.	N. W	10	Ci.-S.	N. WSW	
27	SW	1	SSW	1	SW	4	SW	5	SW	2	SW	1	7	Ci.	Cu. SW	6	Ci. NNW	Cu.-N. sw	
28	SW	1	SW	1	SW	4	SW	5	SW	2	SW	1	9	Ci.-S.	N. SW	7	A.-Cu. W	N. SW	
29	SW	1	SW	1	WSW	2	WSW	4	WSW	2	WSW	1	7	A.-Cu. W	Cu. SW	10	Ci.-S.	N. W	
30	WSW	1	WSW	1	WSW	1	WSW	1	WSW	2	WSW	1	10	Ci.-S.	N. W	10	Ci.-S.	N. W	
31	WSW	1	WSW	1	SW	4	SW	6	SW	2	SW	1	6	Ci.-S.	Cu. W	8	A.-cu. WNW	Cu. SW	
Mean	------	1.2	------	1.3	------	2.5	------	3.4	------	2.1	------	1.5	8.4	------	------	8.5	------	------	

SAN ISIDRO.

[$\phi = 15°\ 22'$ N; $\lambda = 120°\ 53'$ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

SEPTEMBER, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	56.16	56.21	57.48	56.84	57.09	59.05	23.5?	25.2	29.4	29	28	25.5	30.4	23.6	96?	95	81	78	85	96	------
2	58.04	58.20	58.61	56.92	56.93	58.75	25	24.3	30.7	31.1	28.4	25	32.8	23	96	97	78	74	85	95	15.2
3	58.13	58.25	58.47	56.67	57.17	58.97	24.5	23.5	29.9	31.9	28.8	26	32.7	23	96	98	82	67	81	94	------
4	58.09	58.40	58.57	57.56	57.77	59.30	24.5	23.9	30.4	31	28.5	25.7	33	23.5	96	97	77	72	81	94	------
5	58.35	58.20	59.40	57.17	57.44	59.08	24.8	23.9	29.8	33.2	28.7	26.2	33.4	23.5	97	97	78	64	83	94	1
6	58.04	58.13	59.21	57.62	57.64	59.56	25	24	30.6	30.6	29	26	33.2	23.8	96	97	76	74	83	90	------
7	59.09	58.97	59.69	57.09	58.91	59.76	25	24	29.6	33.5	26	24.5	34.8	23.8	96	98	77	62	88	94	.5
8	58.73	58.31	59.19	57.07	56.86	58.51	24	23.5	31	32	29	26	33.7	23.4	97	97	69	61	74	93	6.4
9	58.09	58.28	58.52	56.64	56.91	59.05	25	24.2	30.3	32.6	29.5	26.4	33.4	23.9	96	98	70	55	64	81	------
10	58.40	58.68	59.47	58.29	58.19	59.45	24.5	23.5	30.7	32	29	26.5	33.6	23	92	96	65	59	62	76	2.3
11	58.74	59.05	60.87	58.59	58.59	60.07	25.5	24.2	25.2	25.9	25.2	24.5	26.2	23.9	88	98	97	94	95	97	2.8
12	58.96	59.47	59.49	56.95	57.22	59.25	23.6	23.4	30.2	33.6	29.5	25.7	33.9	22.8	97	97	71	64	68	93	------
13	58.36	58.58	58.79	56.11	56.82	58.16	24.9	24	30.6	28	28.6	25.2	33.7	23.5	96	97	72	83	73	94	1.5
14	57.34	57.56	57.82	55.44	55.77	57.81	24	23.6	29.6	33.2	28	24.4	34.2	22.9	97	98	72	53	79	97	13.5
15	56.40	56.93	57.21	54.86	55.22	56.25	24	23.4	27.6	31.8	28.6	26	32.7	23	96	97	86	65	79	89	------
16	55.06	55.06	55.37	53.63	53.72	54.81	25	24	28.6	27.7	27.5	26.2	31.7	23.5	96	97	82	91	88	96	8.9
17	53.96	54.01	55.41	53.21	53.77	55.28	25.2	24.5	27.4	29	27.2	25.5	29.5	24	96	96	89	79	79	93	------
18	54.16	55.01	55.73	54.91	55.70	57.16	24.5	24.5	30	30	26.1	24.5	31.5	23.7	96	96	74	78	91	92	4.6
19	55.88	55.98	57.05	55.17	56.71	58.47	23.6	23.2	29.6	29.5	25.2	24	31.5	23	97	98	72	79	97	98	14.7
20	57.80	57.88	58.64	57.23	58.03	59.81	23.8	23.7	29.1	27.5	24.2	24	32.3	23.4	98	98	77	84	97	98	22.4
21	58.91	58.72	59	56.58	57.40	58.98	23.8	23.3	28.7	31.8	25.1	24.6	32.8	23	98	97	78	65	96	97	11.9
22	57.87	56.98	57.39	55.63	56.09	57.96	23.8	23.5	28.2	31.7	28.2	25.4	32.2	23.1	98	99	79	72	74	93	.8
23	57.64	57.56	58.50	56.21	56.71	58.93	24.5	23.8	30	32.6	29.5	25.1	33.2	23.4	96	97	75	57	70	90	------
24	58.62	58.71	59.44	56.87	57.21	59.17	24.2	22.7	29.7	33.4	29.5	26.2	33.8	22.5	93	97	72	55	75	85	------
25	58.56	58.48	58.59	56.21	56.18	57.49	24.5	23	30	33.4	30.5	26.6	33.7	23	96	97	71	55	74	92	------
26	56.21	55.40	55.68	52.99	52.79	52.67	25.5	24.5	29.8	32.5	28	26.8	33.6	24.4	96	98	77	66	83	89	2.8
27	50.46	50.03	50.34	47.59	48.11	49.81	26.5	25.6	25.9	25.8	24.5	23.7	27.2	23.2	88	87	96	95	92	97	28.5
28	49.27	50.47	52.42	51.91	52.65	54.36	23.5	24.4	25.5	27	26	25.5	27.7	23	96	91	91	86	88	92	5.6
29	54.13	54.37	55.52	54.98	55.58	56.58	25	24.2	26.8	23.3	23.4	23.5	28.7	22.6	92	93	84	97	97	97	87.1
30	56.14	56.61	57.34	56.56	56.61	58.22	23	23.2	22.8	22.6	22.5	22.5	24.2	21.6	96	98	98	98	98	97	123.2
Mean	56.85	56.95	57.64	55.78	56.19	57.76	24.5	23.9	28.9	30.2	27.4	25.3	31.8	23.3	95.5	96.5	78.9	72.7	82.6	92.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	353.7

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.		Amount.	Form and direction.		
														Upper.	Lower.		Upper.	Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	SW	2	SW	3	SW	4	SW	4	SW	2	SW	1	8	Ci.	Cu. SW	10	Ci.-S.	N. SW	
2	SW	1	SW	1	SW	2	SW	4	SW	2	SW	2	7	Ci.-S.	S.-Cu.	8	Ci.-S.	N. SW	
3	SSW	1	SSW	1	SW	2	SW	4	SW	2	SSW	2	6	Ci.	S. S	6	Ci.	Cu. SW	
4	SW	1	SW	1	SSW	3	SW	2	SW	2	WSW	1	4	Ci.	Cu.	8	Ci.-S. NE	Cu.-N. SW	
5	NNW	1	Calm	----	SW	2	SW	2	SW	2	SW	1	7	Ci.-S.	S.	6	Ci.	Cu.-N. SW	
6	SW	1	Calm	----	SW	2	WSW	1	WSW	1	SW	1	4	Ci.	S.-Cu.	7	Ci.	Cu.-N. SW	
7	N	1	N	1	N	2	SSW	1	N	2	N	1	7	Ci.	S. N	5	Ci.-S.	Cu.-N. NW	
8	N	1	N	1	NNE	1	ENE	2	ENE	2	NE	1	4	Ci.	S.-Cu.	9	Ci.	N. NE	
9	NNE	1	NNE	1	NNE	2	E	4	E	2	E	1	8	Ci.-S.	S. NE	6	Ci. SE	Cu. E	
10	NE	1	NE	1	NE	2	E	4	ESE	2	E	1	4	Ci.	S.-Cu.	7	A.-Cu. ESE	Cu. ENE	
11	ESE	1	Calm	----	NE	1	NE	1	NE	1	ESE	1	10	Ci.-S.	N. SE	10	Ci.-S.	N. E	
12	NE	1	ENE	1	E	1	E	1	E	2	E	1	6	Ci.	Cu. E	6	Ci. SE	Cu. E	
13	NE	1	NE	1	NE	2	ENE	2	NE	2	NNE	1	4	Ci.	Cu. E	7	Ci.-S.	N. E	
14	N	1	N	1	NW	1	NW	3	N	1	WSW	1	10	Ci.-S.	S. N	6	Ci. E	Cu. N	
15	NW	1	NW	1	NNW	1	WNW	2	NW	2	NNW	3	10	Ci.-S.	N. NW	7	Ci.-S. E	Cu. WNW	
16	NNW	1	NNW	1	W	2	W	2	W	2	Calm	----	10	Ci.-S.	N. NW	10	Ci.-S.	N. WNW	
17	WSW	2	SW	3	SW	3	SW	3	SW	3	SW	4	10	Ci.-S. NNE	N. WSW	10	Ci.-S. NNE	N. SW	
18	SW	3	SW	2	SSW	4	SSW	4	SSW	1	SW	1	6	Ci.-S.	S.-Cu. SW	9	Ci.-S. N	N. SW	
19	SW	1	SW	1	SSW	2	SW	1	SSW	2	SSE	1	7	Ci.	S.-Cu. SW	8	Ci.-S.	N. SSW	
20	SSE	1	SSE	1	SE	2	SSW	3	SW	2	S	1	7	Ci.	S.-Cu. S	10	Ci.-S.	N. SSW	
21	S	1	S	1	NE	1	SSW	1	NE	1	Calm	----	5	A.-Cu.	S.-Cu. SW	7	Ci.-S. NE	Cu.-N. NW	
22	NNE	1	NNE	1	NNE	2	ENE	1	E	2	NE	1	10	Ci.-S.	S. NNE	7	Ci.-S. SE	Cu. E	
23	NE	1	NE	1	E	2	NE	3	NE	3	NE	1	6	Ci.	Cu. E	5	Ci.	Cu. E	
24	NE	1	NE	1	NNE	1	NE	2	E	2	NE	1	5	Ci.	S.-Cu.	6	Ci. SE	Cu. NE	
25	NE	1	NNE	1	NNE	2	NNE	2	NE	2	NE	1	3	Ci.	S.-Cu.	5	Ci. SE	Cu. NE	
26	NNE	1	N	1	WSW	2	WSW	3	WSW	2	WSW	2	8	Ci. SE	S. N	10	Ci.-S.	N.-cf. W	
27	WSW	5	WSW	5	WSW	2	SW	4	SW	5	SW	5	10	Ci.-S.	N. W	10	Ci.-S.	N. WSW	
28	SW	6	SW	4	SSW	5	SSW	6	SSW	5	SSW	5	10	Ci.-S.	N. SW	10	Ci.-S.	N. SW	
29	SSW	4	SSW	3	SSW	4	SSW	5	SSW	3	SSW	3	10	Ci.-S.	N. SW	10	Ci.-S.	N. SSW	
30	SSW	2	SSW	2	SW	2	SW	1	SW	1	NE	1	10	Ci.-S.	N. SW	10	Ci.-S.	N. SW	
Mean	------	1.6	------	1.4	------	2.1	------	2.6	------	2.1	------	1.5	7.2	----------	----------	7.8	----------	----------	

SAN ISIDRO.

[$\phi = 15°\ 22'$ N; $\lambda = 120°\ 53'$ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

OCTOBER, 1911.

Day.	Atmospheric pressure, 700.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.26	57.47	58.10	56.66	57.54	59.90	22	23	27.1	28.1	26.4	25.8	29.5	21.6	98	98	87	80	89	93	1.8
2	59.02	59.88	61.03	59.12	59.58	60.99	24.2	23.8	29.4	31.9	27.5	26	32	23.2	97	98	72	63	92	92	------
3	60.16	60.56	61.29	58.80	59.11	60.62	25	23.4	28.9	32.5	29	25.5	33.3	23	92	97	78	60	85	94	------
4	59.20	59.46	59.99	57.75	58.01	60.21	24.5	23.7	29.6	32.7	29.2	26.6	33	23.4	96	97	78	62	79	87	------
5	59.14	59.52	60.03	57.62	58.39	60.01	25	24.2	28.6	31.5	28	26	32.4	23.9	96	97	78	65	80	92	------
6	58.84	59.02	60.28	57.66	59.12	60.93	25	24.5	29.4	32.7	26.7	24	33.3	23.3	95	96	74	60	85	93	1
7	59.52	60.03	61.01	58.84	59.24	60.99	23.8	22.8	30.1	32.3	28.5	25.2	33.4	22.4	93	97	69	61	74	90	------
8	60.16	61.15	61.82	59.55	59.97	61.80	24.5	23.5	29.4	32	28.5	25.5	33	22.4	92	96	70	58	68	88	------
9	61.08	61.54	61.88	59.85	59.82	60.77	24.5	23.6	30.8	32	29.5	25.2	33.2	23.5	96	98	67	55	68	90	------
10	59.99	60.58	61.49	59.30	59.21	60.54	25	23.7	30.4	32.6	28.6	26.6	33.6	23.4	92	96	66	57	71	83	------
11	59.70	59.87	60.33	57.95	58.31	60.06	25	23.5	30.2	33.5	29	26.2	33.7	23	93	96	64	61	65	85	------
12	59.37	59.59	60.07	57.97	58.47	59.90	25	24.5	29.6	29.9	28.5	25.8	34	24.2	96	97	71	75	73	89	6.9
13	59.47	59.96	60.46	57.91	58.57	59.97	25.5	24.4	27.6	31.2	28	25	32	24	92	97	84	62	73	93	------
14	59.04	59.47	60.28	57.70	58.19	60.58	24.8	24.2	30	33.7	29.4	23.2	34	22.8	95	97	71	57	74	98	29
15	59.12	59.83	60.29	57.97	59.04	60.71	22.6	22.5	29.6	32.4	28.6	25.8	32.5	22	98	99	77	60	71	90	------
16	59.90	59.92	60.65	58.48	59.09	60.71	24.5	23.4	28.9	26.8	26.5	24.4	32	23	96	98	75	92	83	97	2.8
17	59.78	60.66	61.26	58.45	59.89	61.29	23.8	23.2	29.5	29.1	27	24.2	32.8	22.8	97	98	69	77	84	97	13
18	60.96	61.76	62.45	60.78	61.29	62.50	23.5	23	27.1	28.5	26.5	23.5	30.2	22.4	97	97	76	73	86	91	.3
19	61.14	61.54	61.85	59.43	60.04	61.60	23	22	28.7	30.4	27	24.1	32.2	21.5	95	96	66	64	70	91	------
20	60.58	60.71	61.22	58.75	59.82	61.69	23.5	21.5	28.7	32	26	23	33	21	91	95	61	57	66	91	------
21	60.64	60.88	61.65	59.66	60.51	62.09	22.5	21.1	28.7	29.3	26.3	23.2	31.7	20.8	91	96	63	62	73	90	------
22	61.59	61.79	62.50	61.06	61.13	62.36	22	21	28.7	30.4	27	24.4	31.2	20.5	93	95	66	60	68	84	------
23	62.04	62.49	63.10	61.08	61.02	62.06	23.5	23.5	26.9	26.2	25.7	23	30.4	22.6	91	93	79	84	71	97	3.3
24	61.56	62.49	62.83	60.23	60.74	62.10	23	23	28	29.5	26	25	31.4	22.5	96	96	71	68	76	80	.3
25	61.34	62.49	62.99	60.76	60.92	61.84	24	23.4	28.4	28.7	27.5	23.9	31.6	23	96	97	75	73	73	87	------
26	61.36	62.02	62.80	60.26	60.79	62.55	23.2	21.4	28.6	32.3	28.5	24.6	32.7	21.2	91	96	71	57	65	84	------
27	61.96	62.44	62.99	60.60	60.84	62.71	23.5	22	28.8	32	28	24	33.1	21.5	91	96	68	58	70	86	------
28	62.19	62.82	63.68	61.15	61.51	62.90	23	21.2	29.2	32	27.8	25.2	32.7	21	95	96	70	57	65	82	------
29	62.06	62.42	63.04	60.75	61.43	62.44	23.2	21.6	29.4	32	28	25.1	33.4	21.4	94	98	68	57	63	83	------
30	61.92	62.47	63.17	60.88	61.11	62.38	23	22.5	29.4	32.7	27	25.2	33.2	21.5	96	94	68	51	70	77	------
31	61.56	61.62	62.13	59.75	60.07	61.88	23.1	21.7	30.1	32	28	25.8	33.7	21.2	92	97	63	59	70	85	------
Mean	60.38	60.85	61.51	59.25	59.77	61.33	23.8	22.9	29	31.1	27.7	24.9	32.5	22.4	94.3	96.6	71.5	64	74.2	89	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	58.4

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	SW	1	SW	1	SSW	1	SSW	4	SSW	2	SSW	1	10	Ci.-S.	N. SW	7	Ci.-S. NW	Cu. SSW	
2	SW	1	SW	1	SW	1	SW	2	Calm	----	SW	1	8	Ci.	Cu. SW	5	Ci. SE	Cu. SW	
3	NNE	1	NNE	1	NNE	2	SE	2	SW	1	NE	1	6	Ci.	S.-Cu.	5	A.-Cu.	Cu.-N.	
4	NE	1	NE	1	NE	1	WSW	2	W	1	NE	1	7	Ci.	S. NE	4	A.-Cu.	Cu.-N.	
5	NE	1	NE	1	NNW	2	WNW	2	WNW	1	WNW	1	5	Ci.-S. E	S.	7	Ci.-S. ENE	Cu. WNW	
6	N	1	NNE	1	NNE	2	W	2	W	2	NNE	2	6	Ci. ENE	S.-Cu.	7	Ci.	Cu.-N. SW	
7	NE	1	NE	1	E	1	NE	2	ENE	2	E	1	5	Ci.	S.-Cu.	7	Ci.-S.	Cu.-N. SE	
8	NE	1	NE	1	NE	2	NE	2	ENE	2	NE	1	4	Ci.	S.-Cu.	7	Ci.	Cu. E	
9	NE	1	NE	1	ESE	1	ESE	2	ESE	2	E	1	3	Ci.	S.-Cu.	5	Ci. NE	Fr.-Cu. E	
10	NE	2	NE	2	NE	2	NE	2	ENE	3	NE	2	5	Ci. SE	S.-Cu.	7	Ci.	Fr.-Cu. E	
11	NNE	1	NNE	1	NNE	2	NE	2	E	2	N	2	5	Ci.	S.-Cu. E	6	Ci.	Cu. NE	
12	NE	2	NE	1	NE	2	NE	1	E	1	NE	1	8	Ci.-S.	S.-Cu. NE	6	Ci.	Cu. NE	
13	NE	1	NE	1	ENE	1	ENE	2	NE	2	N	1	7	Ci.-S. SE	S.-Cu. NE	7	Ci.-S. SE	Cu. ENE	
14	NW	1	W	1	NE	2	NE	1	Calm	----	SW	1	6	Ci.	S.-Cu.	5	A.-Cu. N	Cu. NE	
15	SW	1	SW	1	WSW	1	SW	1	E	2	N	2	7	Ci.-S.	S. SW	5	Ci.	Cu.-N. W	
16	N	1	NE	1	E	2	ESE	2	ESE	1	NE	1	8	Ci.	S. NE	8	A.-Cu.	N. ESE	
17	NE	1	NE	1	NE	1	NE	3	NE	3	NE	1	5	Ci.	S.-Cu. E	7	Ci.-S. SE	Cu. ENE	
18	NE	1	ENE	1	ENE	3	ENE	4	ENE	1	NE	1	7	A.-Cu. SE	Cu. E	8	Ci.-S.	N. E	
19	NE	1	ENE	1	NE	2	ENE	2	ENE	4	NE	2	5	Ci.	Cu. E	7	A.-Cu. ESE	Cu. NE	
20	NE	1	NE	1	NE	3	ENE	2	E	4	NE	1	4	Ci.	Cu.	7	A.-Cu. ESE	Cu. E	
21	NE	1	NE	1	NE	2	ENE	4	E	2	ENE	1	3	Ci.	S.-Cu.	8	A.-Cu. E	Cu. NE	
22	NW	1	NNW	1	NE	2	E	2	E	2	NE	1	3	Ci.	Cu. NE	4	Ci.	Cu. E	
23	NE	1	NE	1	NE	1	NE	1	NE	2	Calm	----	7	Ci.	S.-Cu. E	8	Ci.-S. ESE	N. E	
24	E	1	E	1	E	2	E	4	E	2	E	2	7	Ci.-S. ESE	S.-Cu. E	6	A.-Cu. ESE	Cu. E	
25	ENE	1	NE	1	ESE	3	S	4	E	2	NE	2	10	Ci.-S.	N. E	7	A.-Cu. E	Cu. ESE	
26	NE	1	NE	1	NE	2	NE	1	E	1	NE	1	4	Ci.	S.-Cu.	5	Ci.	Cu. E	
27	NE	1	NE	1	NE	1	E	1	E	2	NE	1	3	Ci.	S.-Cu.	5	Ci.	Cu. E	
28	NE	1	NE	1	SSE	2	SSE	1	E	2	NE	1	2	Ci.	S.-Cu.	6	Ci.	Fr.-Cu. E	
29	N	1	NW	2	NE	3	NE	2	E	2	NE	2	5	Ci.	S. NW	5	Ci.	Cu. E	
30	NE	2	N	2	NE	2	SE	3	E	2	NE	1	3	Ci.	S.-Cu.	7	Ci.	Fr.-Cu. E	
31	NE	1	NE	1	NE	2	NE	2	ESE	2	NE	1	2	Ci.	S.-Cu.	6	A.-Cu. E	Cu. NE	
Mean	------	1.1	------	1.1	------	1.8	------	2.2	------	1.8	------	1.2	5.5	----------	----------	6.3	----------	----------	

SAN ISIDRO.

[$\phi = 15°\ 22'$ N; $\lambda = 120°\ 53'$ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

NOVEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.76	61.44	61.86	59.31	59.53	61.48	24	22.7	30	33	27.6	25	33.8	22.4	96	97	66	54	68	83	------
2	60.96	61.49	62.17	59.36	60.62	62.09	23.5	21.7	29.4	31.2	27	23.7	32.5	21.4	91	97	65	54	71	90	------
3	61.08	61.59	61.99	59.28	60.09	61.47	22.4	21	29.8	30.5	27.2	24.6	33.1	21	91	96	64	58	73	87	------
4	60.64	61.19	61.50	58.57	58.91	60.16	23.5	21.6	27.7	31	26.5	24.5	32	21	91	90	61	53	66	79	------
5	59.41	59.63	59.60	57.06	57.08	58.93	22.5	20.1	27.3	30.7	27.2	23.2	31.6	19.8	91	86	54	44	64	89	------
6	58.50	58.30	59.07	56.12	56.90	58.46	20.5	19.1	26	30.5	26.5	24.2	31	18.5	91	93	70	51	73	82	------
7	58.08	58.66	59.44	57.19	58.51	60.22	22.5	21.2	27.1	30.6	27	24.2	31.2	21	90	96	75	54	70	83	------
8	59.88	60.79	62	59.81	60.07	62.44	22	20.5	26.9	31.5	27.5	24.5	32.5	20.4	91	95	65	56	78	84	------
9	62.31	62.90	63.54	61.22	61.72	63.54	22.1	21.4	28.6	32.8	26.3	24	33.2	20.6	94	96	68	51	71	86	------
10	63.19	63.44	64.20	61.99	62.22	63.46	22.5	21.5	26.2	31.1	25	23	31.8	21.1	91	94	74	53	71	79	------
11	62.81	63.26	64.06	61.92	62.08	63.19	21	20	27.2	27.4	25.4	22	30.4	19	91	89	60	58	63	82	------
12	62.59	62.76	62.97	61.03	61.92	63.14	20	19.5	28.8	30	25.2	21.7	31.4	18.4	94	95	56	50	68	87	------
13	62.51	62.67	63.23	61.27	61.75	63.05	20	20.9	28.4	28.7	25.8	22.6	32	19.4	91	92	63	62	69	86	------
14	62.01	62.31	62.65	60.37	61.58	63.16	21.2	19.7	29	29.4	25.8	22.6	31.7	19.5	94	95	61	62	67	86	------
15	61.61	61.91	62.43	60.09	60.83	61.93	20	19.4	28.7	30.9	27.5	23.2	32.4	18.5	94	94	58	52	73	91	------
16	61.08	61.52	62.17	59.72	60.32	62.43	21.5	22.7	28.7	31.7	26.8	23.5	32.7	21.4	91	94	63	51	67	84	------
17	61.18	61.72	62.11	59.80	60.02	61.14	22	21.3	29.3	31.4	27.7	24.5	32.3	20.4	91	92	56	52	70	82	------
18	60.52	61.18	61.76	59.71	60.15	61.86	23	23	30.2	31.4	27	23	33	21.3	91	90	57	48	64	83	------
19	60.87	61.35	61.92	59.46	60.12	61.50	21	19.5	29.4	30	27.5	22.5	33.7	19.2	91	95	54	63	66	91	------
20	60.33	60.65	60.69	58.53	58.93	60.46	20.5	19.4	28.5	30.9	27	23	33	19	95	96	58	61	70	90	------
21	59.24	59.48	59.98	57.57	57.94	59.46	22	21	28.4	31.5	27.2	23.5	33.4	20.6	95	96	66	49	68	87	------
22	59.04	59.87	60.38	57.56	57.89	59.20	21.5	20.5	29.2	32.2	28	23	33.3	19.5	91	95	66	50	67	86	------
23	59.01	59.33	60.01	57.56	57.72	59.54	22	20	29.1	32.4	28.4	23.5	33.5	19	91	95	64	55	72	85	------
24	59.21	60.02	60.83	58.55	58.87	61.16	21.5	20.1	29.1	32.4	28.5	23.5	34	19.5	95	98	62	49	67	87	------
25	60.51	61.30	62.04	59.62	59.85	61.48	21	19.6	28.4	31	26.7	23.5	32.4	19.4	96	98	69	53	71	84	------
26	61.01	62.04	62.29	60.28	60.37	61.99	21	20	28.2	30.5	26.6	23.3	32.6	19.5	95	98	66	56	72	84	------
27	62.01	62.33	62.70	60.08	60.55	62.04	20.6	19.2	28.2	31	26	21.2	32.7	18.6	96	98	67	53	70	89	------
28	61.93	62.26	62.55	60.07	60.53	62.49	19.5	17.7	27.4	32.2	27.2	22.7	32.7	17.4	95	98	66	45	68	82	------
29	62.03	62.53	62.92	60.36	60.87	62.21	20.4	17.5	27.9	31.1	26	22.5	32	17.1	91	96	61	46	65	82	------
30	61.60	62.32	62.67	60.27	60.89	62.19	19.5	17.7	28.4	31	27	21	32.7	17	90	97	62	48	63	82	------
Mean	60.86	61.34	61.86	59.46	59.96	61.53	21.5	20.3	28.4	31	26.8	23.2	32.5	19.7	92.5	94.7	63.2	53	68.8	85.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	0

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	NE	1	NE	1	N	2	SE	3	E	2	NE	1	6	A.-Cu. E	S.-Cu. NE	7	A.-Cu. E	Fr.-Cu. ENE	
2	NE	1	N	1	NE	4	NE	3	E	2	NE	1	7	Ci.-S.	S. NE	6	Ci.	Cu. ENE	
3	NE	1	NE	1	NNE	2	NNE	4	E	1	NE	1	3	Ci.	Cu.	7	A.-Cu.	Cu. NE	
4	NE	1	NE	2	NE	3	ENE	3	E	2	NNE	2	7	Ci. ESE	Cu. NE	6	Ci.	Cu. NE	
5	NNE	1	NNE	1	NE	4	NE	4	NE	1	NW	2	7	Ci. ESE	Cu. N	4	Ci.	Cu. NE	
6	N	1	N	1	NW	2	NNW	3	NW	3	NW	1	7	Ci.	S.-Cu.	8	Ci. E	Cu. NNW	
7	NW	1	WNW	1	WNW	1	NE	4	NE	3	NE	1	10	Ci.-S.	S. NW	7	Ci.	Cu. NW	
8	NE	1	NE	1	NE	3	NE	1	NE	1	NE	1	6	Ci.-S.	S.-Cu. NE	7	Ci.	Cu. NE	
9	NE	1	NE	1	ESE	2	SE	2	SE	3	SE	1	4	Ci.	S.-Cu.	5	Ci.	Cu.-N. E	
10	NE	1	NE	2	NE	3	NE	3	E	2	NW	1	2	Ci.	S.-Cu.	7	Ci.	Cu. E	
11	N	1	N	2	NE	1	E	5	ESE	3	NE	1	4	Ci.	Cu. NE	8	A.-Cu. ESE	Cu. E	
12	NE	1	NE	1	ENE	4	E	5	E	1	E	1	4	Ci.	S.-Cu.	6	Ci.	Fr.-Cu. E	
13	NE	1	NE	1	E	2	E	5	E	2	NW	1	9	Ci.-S.	N. E	7	A.-Cu. ESE	Cu. E	
14	NE	1	NE	1	NE	2	NE	2	NE	3	ENE	1	7	A.-Cu. ESE	Cu. E	8	A.-Cu. ESE	Cu. ENE	
15	NE	1	NE	1	E	2	E	2	NE	1	NE	1	2	Ci.	S.-Cu.	8	A.-Cu. ESE	Cu. E	
16	NE	1	NE	1	NE	4	NE	5	NE	4	NNE	1	2	Ci.	Cu.	5	A.-Cu.	Cu. E	
17	NNE	1	NE	2	NE	3	NE	3	NE	2	NE	1	7	A.-Cu.	Cu. NE	7	A.-Cu. ESE	Fr.-Cu. E	
18	NE	1	NE	2	NE	2	E	4	E	3	NE	1	5	Ci.	Cu. E	5	A.-Cu.	Fr.-Cu. E	
19	NNE	1	NNE	1	NE	3	NE	2	E	3	NE	1	4	Ci.	Cu.	8	A.-Cu. E	N. NE	
20	NE	1	NE	1	N	3	ESE	2	E	2	NE	2	5	A.-Cu.	Cu. E	9	A.-Cu.	N. E	
21	N	1	NE	1	NE	2	E	4	E	2	NE	1	4	Ci.	S.-Cu. E	5	Ci.	Cu. E	
22	NE	1	NE	1	NE	2	NE	3	ENE	3	NNE	2	2	Ci.	S.-Cu.	4	Ci.	Cu.	
23	NE	1	NE	1	ENE	1	ESE	2	E	1	NE	1	5	Ci.	S.	6	A.-Cu.	Cu. E	
24	NNE	1	NNE	1	E	2	ESE	3	E	1	NE	1	4	Ci.	S.-Cu.	5	A.-Cu.	Cu. E	
25	NE	1	NE	1	NE	2	NE	5	NE	4	NE	1	6	Ci.	S. NE	4	A.-Cu.	Cu.	
26	NE	1	NE	1	NE	3	E	5	ENE	4	NE	1	5	Ci.	Cu. NE	2	A.-Cu.	Fr.-Cu. E	
27	NE	1	NE	1	NE	2	E	4	E	3	NE	1	2	Ci.	S.-Cu.	6	A.-Cu.	Fr.-Cu. E	
28	NE	1	NE	1	NE	2	NE	2	ENE	2	NE	1	4	Ci.	S.-Cu.	5	Ci.	Fr.-Cu. E	
29	NNE	1	NNE	1	NE	2	E	4	NE	1	NE	1	4	Ci.	S.-Cu.	2	A.-Cu.	Cu.	
30	NE	1	NE	1	NE	2	ESE	4	ESE	3	N	1	3	Ci.	Cu. E	5	A.-Cu.	Fr.-Cu. E	
Mean	------	1	------	1.2	------	2.4	------	3.4	------	2.3	------	1.1	4.9	----------	----------	6	----------	----------	

SAN ISIDRO.

[$\phi = 15°\ 22'$ N; $\lambda = 120°\ 53'$ E; barometer above sea, 20 meters; gravity correction not applied, −1.69 mm.]

DECEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	61.15	61.71	62.70	60.06	60.35	62.16	19.5	18.6	27.4	31.2	26.6	25	32.7	17.8	90	92	65	46	67	76	------
2	60.71	61.13	61.79	59.42	59.69	61.41	21.2	18.5	28.7	31.6	27.2	22.5	33.3	18	89	95	62	53	68	87	------
3	60.53	61.40	62.17	59.62	59.85	60.93	20.5	18.9	27.2	30.3	27	22.5	32	18.6	91	96	70	58	65	89	------
4	60.53	61.04	61.67	58.78	59.14	60.39	20.5	19.2	27.7	31.5	27	24.8	32.9	19	93	98	68	53	70	85	------
5	59.77	60.56	60.72	58.53	59.05	60.35	23	21.3	29	31.2	27	24.5	32.4	21	91	94	67	53	67	78	------
6	59.71	59.97	60.36	57.71	58.32	59.54	21	20.5	28.2	31.6	27.5	25.2	32.9	20.5	91	95	68	55	65	78	------
7	58.44	59.14	59.61	57.37	57.14	57.80	22.6	20.5	26.5	30	27	24.2	30.7	20	91	97	69	49	62	80	------
8	56.58	56.46	57.05	55.42	56.50	56.56	22.4	22.3	25.5	24.7	24.5	24	27.3	21.8	91	92	83	96	98	96	12.7
9	56.17	56.56	57.30	55.29	56.21	57.96	24	24	28.9	29	27.2	25	32	23.4	98	99	84	83	90	92	4.3
10	57.02	57.52	57.90	55.68	56.21	58.14	23.2	23.2	27.9	29	26.4	24	31.6	22.6	98	98	81	75	87	91	------
11	57.07	58.07	59.12	56.11	56.97	59.04	23.5	23.6	25.7	31.1	26.8	25	32	23	96	97	89	66	90	92	1.3
12	58.52	59.91	61.17	59.06	59.81	60.96	23.5	22.5	26.9	29.4	26.6	24.2	31.7	22	96	97	83	65	71	82	------
13	60.18	61.28	62.25	59.53	60.31	61.96	21.5	20.2	28.3	30.7	26	23.2	32.2	20	95	98	69	54	70	81	------
14	61.61	62.03	62.60	59.69	60.35	62.06	20.2	19.1	26.4	30.1	25.8	23.8	31.6	18.5	96	98	72	54	70	81	------
15	61.65	62.06	62.71	59.99	60.71	62.12	21	20	28.1	30.9	26.7	23.2	32	19.2	95	95	65	57	71	83	------
16	61.75	62.13	63.57	61.34	62.02	63.51	21	19.4	26.7	28.7	26.6	24.2	29.1	19.4	91	96	71	66	75	88	1
17	61.50	62.66	63.19	61.05	61.85	63.50	23.5	22.8	28.3	30.8	26.2	22.8	32.2	21	91	97	70	54	72	86	------
18	62.86	63.58	64.13	62.23	62.72	63.94	21	19.4	29.2	30.5	26	22.2	31.4	18.9	95	97	63	52	67	89	------
19	62.89	62.89	63.79	60.98	61.23	62.55	21.5	22	26.6	31.2	26.6	23.1	32.4	20.8	95	89	78	52	69	89	------
20	62.02	62.75	63.64	61.46	62.83	63.88	22.5	21	28.6	30.8	26.7	24.5	33.1	20.5	91	98	67	50	66	79	------
21	63.06	63.87	64.84	63.07	63.92	64.21	22.5	22.2	27.4	30.6	26.2	24.8	31.5	21	87	89	70	59	75	80	------
22	63.12	63.91	64.52	62.36	62.79	63.71	23	20.1	29.5	30.6	26.5	20.8	32.1	19.9	91	99	55	46	66	91	------
23	63.13	63.82	64.27	62.15	62.80	63.71	19.5	17.4	27.7	30.5	26.8	23.5	31.6	17	90	98	72	57	69	91	.5
24	63.62	64.66	65.22	62.41	62.73	63.44	22	21.2	27	30.8	27.5	22.5	31.8	20.4	95	98	74	51	66	87	------
25	62.39	63.31	64.21	61.31	61.89	62.86	20.5	21.5	25	31.2	26.2	23	32.4	20	95	91	85	45	63	83	------
26	62.33	62.85	62.75	60.18	61.02	62.35	20	18.4	27.4	30.4	26	23.9	32.1	17.9	95	98	60	54	69	81	------
27	61.81	62.21	63.10	60.94	61.54	62.25	21.2	20	26.9	30.1	26.3	23.6	31.5	19	94	94	75	47	66	78	------
28	61.71	62.19	62.98	60.32	61.09	62.29	23	20.5	27.4	27.5	25.4	22.1	30.7	20	83	88	60	64	66	80	------
29	61.51	61.97	62.81	59.87	60.59	61.45	20.6	19.5	26.5	30.9	25.8	20.5	31.4	19	91	95	56	43	56	82	------
30	60.58	61.16	62.10	59.23	60.33	61.65	19	18.1	27.2	30.4	26	23	31.4	17.6	90	95	63	51	62	74	------
31	61.09	61.70	62.11	58.93	60.06	61.18	18.5	17.4	26.2	30	26	23	31.3	16.5	90	96	70	53	69	83	------
Mean	60.81	61.44	62.14	59.68	60.32	61.54	21.5	20.4	27.4	30.2	26.5	23.5	31.7	19.8	92.4	95.5	70.5	56.8	70.5	84.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	19.8

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	N	1	NNE	1	NE	2	NE	3	ESE	3	NE	2	2	Ci.	S.-Cu. E	5	A.-Cu. ESE	Fr.-Cu. E
2	NE	1	NE	1	NE	2	ENE	2	ENE	2	NNE	1	3	A.-Cu.	Cu. NE	6	A.-Cu. E	Cu. NE
3	NNE	1	NNE	1	NNE	1	E	4	E	2	NE	1	5	A.-Cu. NE	S.-Cu. E	7	A.-Cu. NE	Cu. E
4	NE	1	NE	1	NE	2	E	4	E	2	ENE	1	5	A.-Cu. NE	Cu. E	5	A.-Cu. NE	Cu. E
5	N	1	NNE	1	NNE	2	ENE	4	E	2	E	1	8	Ci.-S.	Cu. E	4	A.-Cu.	Cu. E
6	NE	1	NE	1	NE	2	ESE	3	E	3	N	1	5	Ci. SSE	Cu. E	7	Ci. SE	Cu. NE
7	NNE	1	NNE	1	NE	3	N	6	N	2	N	1	6	Ci.-S.	Cu. E	7	Ci.-S. ESE	Cu. NE
8	WNW	1	W	1	W	2	WSW	2	WSW	3	WSW	2	10	Ci.-S.	N. NW	10	Ci.-S.	N. W
9	SW	1	SW	2	SW	3	SW	2	SW	2	SW	1	10	Ci.-S.	N. W	8	Ci.-S.	N. SW
10	SW	1	SW	1	SW	2	WNW	4	NW	3	NW	2	8	Ci.-S.	S. SW	8	Ci.-S.	N. W
11	N	2	N	1	WNW	2	NE	2	N	2	N	1	10	Ci.-S.	N. SW	7	Ci.	Cu. NE
12	NE	1	NE	1	NE	2	ENE	5	E	2	NE	1	6	A.-Cu.	Cu. E	7	A.-Cu. NE	Cu. E
13	NE	1	NE	1	ENE	1	E	4	E	3	E	1	7	Ci.	N. E	6	A.cu. ESE	Fr.-Cu. E
14	NE	1	NE	1	NE	2	E	3	E	2	NE	1	5	Ci.	S.-Cu. E	6	A.-Cu. E	Cu. E
15	NE	1	NE	1	NE	1	NE	2	NE	2	NE	1	6	Ci.	Cu. E	6	A.-Cu. ENE	Fr.-Cu. E
16	NE	1	NE	1	NE	3	NE	2	E	2	NE	2	4	Ci.	S.-Cu. E	7	A.-Cu. ESE	Cu. E
17	NE	1	NE	1	NE	2	E	4	E	3	NE	1	6	Ci.-S.	N. E	5	Ci.	Cu. E
18	N	1	NNE	1	NE	5	E	5	E	4	NE	2	2	Ci.	Cu.	4	A.-Cu. NE	Fr.-Cu. E
19	NE	1	NE	1	NE	2	E	5	E	3	N	1	10	Ci.-S.	N. E	4	A.-Cu.	Cu. E
20	NE	1	NNE	1	NNE	2	E	4	E	3	NNE	1	4	A.-Cu. NE	N. E	4	Ci.	Cu. E
21	NE	1	NE	1	NE	3	E	5	E	3	E	3	10	Ci.-S.	N. E	6	A.-Cu. NE	Cu. E
22	NE	1	NE	1	NE	4	E	6	E	3	NE	2	5	Ci.	Cu. E	2	Ci.	Cu. E
23	NE	1	NE	1	NE	2	E	5	E	3	Calm	----	4	Ci.	S.-Cu. E	6	Ci.	Cu. E
24	NE	1	NE	1	E	2	E	6	E	2	NE	1	7	Ci.	N. E	5	A.-Cu.	Fr.-Cu. E
25	NE	1	NE	1	NE	1	E	3	E	3	NE	2	8	Ci.-S.	N. E	3	Ci.	Fr.-Cu. E
26	NNE	1	NNE	2	NE	2	ENE	4	NE	3	NE	1	2	Ci.	S.-Cu.	5	Ci.	Fr.-Cu. E
27	NE	1	NE	1	NE	3	NE	6	NE	2	NE	1	10	Ci.-S.	N. E	5	A.-Cu. ENE	Cu. E
28	NE	1	NE	2	NE	2	NE	1	E	2	NE	1	7	Ci.	S.-Cu. E	10	Ci.-S.	N. E
29	NE	1	NNE	2	NE	3	NE	3	ENE	3	NNE	2	5	Ci.	Cu.	3	Ci.	Fr.-Cu. E
30	NE	1	NE	2	NE	2	E	3	E	3	N	2	4	Ci.	Cu. E	7	Ci. SSW	Cu. E
31	NNE	1	NE	1	NE	2	E	3	E	3	NE	2	4	Ci.	Cu. E	6	A.-Cu. NE	Fr.-Cu. E
Mean	------	1	------	1.2	------	2.2	------	3.7	------	2.6	------	1.4	6.1	----------	----------	5.8	----------	----------

DAGUPAN.

[$\phi = 16° 03'$ N; $\lambda = 120° 20'$ E; barometer above sea, 2.7 meters; gravity correction not applied, —1.67 mm.]

JANUARY, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	61.05	61.32	62.09	59.74	60.67	61.10	21.5	20.9	29.5	32.8	26.8	25.5	33.2	20.6	92	93	63	57	88	95	------
2	60.60	60.99	61.78	58.95	59.96	60.89	22.5	21.2	28.4	28.6	26	25.8	29.6	20.8	96	96	72	77	91	93	------
3	60.80	61.06	62.34	59.78	60.75	61.92	21.5	20.5	28.6	31.4	27.2	23.8	32.8	20.3	97	97	69	61	80	83	------
4	61.70	62.06	62.60	60.25	61.09	62.35	20.9	19.2	28.4	29.4	26.7	26.2	31	18.8	97	98	72	71	83	90	------
5	61.55	61.84	63.02	60.49	61.25	62.16	23.5	22.3	28.5	29	26.5	26.1	30	21.6	97	98	77	76	89	94	------
6	61.11	61.58	62.39	59.83	60.18	61.79	24.6	22	28.6	29	26.8	24.7	29.9	21.8	95	98	82	78	89	87	------
7	61.20	61.50	62.52	59.84	60.78	62.89	23.4	21.5	29.6	29.8	26.6	23.8	31.6	21.1	96	97	67	76	86	86	------
8	62.05	62.26	63.23	60.13	60.70	61.66	21.8	21.5	29	32.4	26.4	23.2	33.3	21.2	96	94	65	56	90	89	------
9	59.85	59.61	60.64	57.88	58.28	59.26	22.1	20.1	29.4	29.6	26.6	25.9	30.6	19.4	89	95	59	70	86	88	------
10	58.52	58.25	58.78	56.57	56.73	57.87	24.1	24.4	28.6	29	26.4	26.3	29.6	22.2	94	91	68	71	78	80	------
11	57.45	58.01	59.13	56.44	56.82	58.39	24.2	23.5	27.5	29.3	26.4	26.1	30.1	23	90	95	79	71	79	82	------
12	57.86	58.14	59.50	57.08	57.80	59.81	25.4	24	25.9	32	27.6	24.5	32.6	23.5	87	91	81	54	70	77	------
13	58.97	59.75	61.24	59.31	59.52	60.90	22.7	21.5	29.7	30.4	26.6	23.9	31.9	20.9	82	85	56	60	80	83	------
14	60.63	61.05	61.85	58.94	59.18	60.26	22.5	21.1	29	30.1	26.5	26.4	31.2	20.8	87	92	64	62	81	84	1
15	59.50	59.74	60.66	58.03	57.50	58.90	24.3	22.3	27.5	28.4	25.8	25.7	29.3	22	97	98	84	78	86	88	------
16	58.22	59.05	60.27	57.88	58.64	60.08	24	22.6	29.2	32.8	26.8	24.7	33.6	22.2	97	97	72	54	86	92	------
17	59.43	59.71	60.63	57.98	59.03	60.46	21.6	20.4	29.4	30.4	26.1	25.8	32.1	20	96	96	59	60	80	81	------
18	60	60.28	61.38	59.04	59.63	60.95	24.1	22.5	28.1	28.2	25.5	25	29.4	21.6	91	94	74	76	86	88	------
19	60.53	60.57	61.59	59.89	60.43	61.64	24	23.4	26.8	27.5	24.6	24.3	28.4	22.6	90	88	77	73	82	84	------
20	60.65	60.65	61.85	59.89	60.15	61.41	24.1	21.5	26.2	28	25.3	25	28.9	20.6	86	91	74	66	80	85	------
21	60.76	60.62	61.58	59.14	59.51	61.09	22	20.4	28.3	28.5	25.5	25.1	29.7	19.9	95	96	68	64	84	84	------
22	60.45	60.70	61.73	58.98	59.31	60.80	23.2	21.5	25.6	28.5	25.8	25.5	28.8	21.1	95	95	83	69	82	84	.5
23	59.68	59.49	60.18	57.30	57.72	59.04	23.8	22.1	27	28.1	26	24.8	28.9	21.7	95	97	80	74	81	89	------
24	58.37	57.61	58.88	56.37	57.51	59.15	21.9	20.6	28.7	29.5	26.7	25.5	31.5	20.4	96	97	61	63	76	84	------
25	58.71	58.54	59.79	56.93	57.93	59.15	21.8	20.4	28.6	30.8	27.6	24.5	33.8	20.1	96	95	64	58	70	79	------
26	58.30	58.18	58.79	56.39	57.01	58.28	23.7	21.8	30	31.2	27	26.3	34.6	21.5	84	89	60	66	77	83	------
27	57.67	57.40	58.80	56.15	56.05	57.45	23.4	21.6	29	29.3	26.3	25.6	30.3	21.4	93	98	74	79	88	88	------
28	56.83	56.92	58.15	55.88	56.30	57.86	23.8	21.5	27.6	29.3	26.4	25.9	29.9	21.1	96	97	79	74	84	87	------
29	57.52	57.43	58.60	55.60	55.84	57.72	23.6	21.8	30	34	28.8	25.6	34.4	21.6	97	98	65	53	82	91	------
30	57.47	57.99	59.15	56.16	56.65	58.03	22.5	20.8	28.2	33.2	27.2	26.4	34	20.5	94	95	72	54	79	86	------
31	57.74	57.87	58.88	55.83	56.15	57.69	23.5	22	30	33.4	27.4	26.5	33.8	21.8	96	97	71	59	84	88	------
Mean	59.52	59.68	60.71	58.15	58.68	60.03	23.1	21.6	28.4	30.1	26.5	25.3	31.3	21.2	93.2	94.8	70.7	66.5	82.5	86.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	1.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	S	S	S	SE	NNW	Calm	64.4	68.9	68.9	59.2	261.4	1	Ci.		9	Ci.	Cu.
2	Calm	S	SSE	NW	NW	NW	25.5	38.6	106.5	60.8	231.4	7	------	S.-Cu.	3	------	Cu.
3	E	SE	SE	SE	Calm	S	48.3	66.8	63.7	47	225.8	0	------	------	8	Ci.	Cu. SE
4	S	SE	SE	NNW	NW	NW	47.3	45.9	85.1	48	226.3	2	Ci.	------	5	------	Cu.
5	Calm	Calm	NW	NW	NW	NW	20.7	37.9	118.6	110.7	287.9	6	------	S.-Cu.	3	------	Cu.
6	Calm	Calm	NW	NW	NW	S	34.1	38.1	92.8	55.5	220.5	6	------	S.-Cu.	5	Ci.	Cu.
7	S	SE	SE	NW	NNW	S	59.3	48.6	88	57.4	253.3	0	------	------	2	------	Cu.
8	S	SSE	SE	SSE	N	S	85.9	72.4	72.2	56.1	286.6	6	------	S.-Cu.	9	Ci.-S.	Cu.
9	S	SE	SE	N	NW	NW	75.4	50.4	79.5	80.6	286	0	------	------	5	Ci.-S.	Cu.
10	Calm	NW	NW	NW	NW	NW	32.4	81	135.5	100.6	349.5	1	Ci.	Cu.	4	Ci.	Cu.
11	NE	Calm	NW	NW	NW	NW	24.9	37.2	113.8	109.4	285.3	10	------	S.-Cu. NNW	4	------	Cu.
12	N	Calm	SSW	SE	S	S	39.5	49.4	85.6	64.9	239.4	10	------	S.-Cu. SSE	5	------	Cu.
13	S	SE	SSE	NW	NNW	SW	63.1	54.7	85.3	44.5	247.6	1	------	S.-Cu.	4	------	Cu.
14	SE	SE	Calm	NW	NW	NW	42.7	36.7	90.3	61	230.7	3	------	S.-Cu.	4	------	Cu.
15	N	E	NW	NW	NW	NW	30.8	51.7	126	70.3	278.8	4	------	S.-Cu.	9	------	S.-Cu. NW
16	Calm	S	S	SE	NW	SW	28.3	48.3	65.5	54.2	196.3	9	------	S.-Cu. S	6	------	Cu.
17	S	S	SE	NNW	NW	NW	38.3	60	99.6	82.1	280	1	------	Cu.	4	------	Cu.
18	NW	NW	NW	NW	NW	NW	55.2	64.4	167.5	137.1	424.2	1	------	Cu.	5	Ci.	Cu. NW
19	NNW	NNW	N	NW	NW	NNW	77.8	79.5	171.7	115.6	444.6	6	------	S.-Cu.	4	------	Cu. NW
20	N	Calm	NW	NW	NW	N	71.1	44.8	102.7	64.7	283.3	5	------	S.-Cu.	4	Ci.-S.	Cu.
21	Calm	NE	SE	NW	NNW	NNW	22.3	50.2	118.6	97.1	288.2	1	------	S.-Cu.	5	------	Cu.
22	Calm	E	SE	NW	NNW	NW	23.3	36	107.3	111.6	278.2	6	------	S.-Cu.	8	A.-Cu.	Cu.
23	Calm	E	NNW	NW	NW	Calm	21.2	39.2	100.3	43	203.7	9	------	S.-Cu. NW	5	Ci.	Cu.
24	NE	SE	SE	NW	N	NW	36.5	64.9	74.2	40.2	215.8	1	------	S.-Cu.	8	Ci.	S.-Cu. SE
25	Calm	SE	S	NW	Calm	SE	37.3	63	50.2	54.4	204.9	6	Ci.	S.-Cu.	8	------	S.-Cu. SE
26	S	SE	S	SE	NW	NW	69	77.2	92	67.1	305.3	1	------	S.-Cu.	9	------	S.-Cu. SE
27	NE	NE	Calm	NW	NW	NW	24.9	48.9	115.7	85.1	274.6	1	------	Cu.	2	------	Cu.
28	SE	Calm	SE	NNW	NW	NW	23.8	37.3	108.6	70	239.7	1	------	Cu.	5	Ci.	Cu.
29	Calm	NE	SSE	SSE	N	N	15.1	55	90.1	47	207.2	6	------	S.-Cu. SE	5	------	Cu.
30	SE	SE	SE	S	NW	Calm	37.9	39.7	69.2	43.7	190.5	2	------	S.-Cu.	7	Ci.	Cu.
31	S	S	SE	NW	NNW	N	34	46.1	70.1	65.8	216	1	------	S.-Cu.	4	------	Cu.
Mean	------	------	------	------	------	------	42.3	52.7	97.3	71.1	263.3	3.7	------	------	5.4	------	------
Total	------	------	------	------	------	------	------	------	------	------	8,163	------	------	------	------	------	------

DAGUPAN.

[$\phi = 16°\ 03'$ N; $\lambda = 120°\ 20'$ E; barometer above sea, 2.7 meters; gravity correction not applied, —1.67 mm.]

FEBRUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.30	57.35	58.30	55.69	56.29	58.41	23.8	22.2	29.7	34	28.1	25.1	35.5	22	93	98	69	56	85	94	5.1
2	58.10	58.70	60.10	58.03	58.10	59.03	24.6	24	28.4	29.9	26.8	26.3	30.7	23.7	96	98	79	73	86	87	
3	58.85	59.03	60.73	58.69	58.80	60.38	24.8	23.2	28.5	29.2	26.2	25.6	30.1	22.6	93	95	77	75	85	88	
4	59.95	60.51	61.94	59.85	60.05	61.34	23	21.7	28.5	29	26.9	25	29.9	21.5	91	98	74	78	80	93	
5	61.19	61.45	62.89	60.43	60.42	60.95	23.5	23	28	31.6	26.5	24.8	32.4	22.5	87	84	70	60	84	81	
6	60.43	60.53	60.81	58.87	59.34	60.56	24.1	23.4	28.3	28.2	26.6	23.7	30.5	22.6	84	87	68	68	80	76	
7	60.37	60.92	61.33	58.36	58.78	60.10	22.8	22.9	29.4	33	27.5	24.5	33.8	22	76	74	53	43	61	73	
8	59.64	60.02	60.90	58.52	58.74	60.80	23.8	23.2	28.9	29.6	26.6	23.6	32.5	22.6	75	76	59	58	75	73	
9	60.20	60.10	61.15	58.63	59.28	61.12	22.4	21.4	30	30.5	26.6	23.1	33.8	21.2	77	78	49	66	77	74	
10	61.12	61.87	63.05	60.85	61.38	62.70	21.1	21	30	29.7	26.6	23.2	31.6	20.5	84	83	55	68	72	80	
11	62.46	62.45	63.88	61.52	61.70	62.60	21.8	20	28.5	28.8	26.7	23.4	30.1	19.5	86	91	62	73	84	93	.3
12	61.76	61.64	63.03	61.14	60.89	62.29	22.7	23.2	29	29.2	26.4	23.9	31.1	22.4	96	90	68	76	85	84	
13	61.55	61.45	62.35	59.91	60.23	61.69	23.3	23	28.2	33.2	28.4	23.6	33.8	21.8	80	79	62	51	59	79	
14	61.07	61.02	62.44	59.92	60.15	61.45	21.7	19.3	29.3	30.6	26.6	25.9	31.7	19	88	95	62	60	84	88	
15	60.71	60.64	61.15	59.19	58.91	59.73	23.5	21.2	28.1	29.3	26.1	24.1	30.1	20.4	90	95	74	70	88	93	
16	59.47	59.18	60.43	58.02	58.08	59.71	22	21.6	28.5	30	26.6	24.4	31.4	21.1	93	91	68	67	87	95	
17	58.70	58.67	60.19	57.86	58.09	59.09	22	20.5	29.2	31	26.9	25	32.1	20.4	95	98	66	69	86	95	
18	58.82	58.86	60.70	58.44	58.73	60.68	22.7	21.9	30	30.4	27.4	24.6	31.1	21.8	97	98	66	72	86	75	
19	60.58	60.84	62.26	59.86	60.85	62.76	23.4	22.5	29.8	30.5	27.2	24.4	33.3	22.2	80	82	55	66	79	73	
20	62.62	63.10	64	61.20	61.37	63.26	22.6	21.8	28.6	29.2	26.4	23.4	32	21.5	82	79	60	66	79	78	
21	62.74	62.54	62.83	60.14	60.39	62.61	21.1	19	29.4	29.4	26.8	23.6	32.5	18.8	90	94	62	71	83	82	
22	61.70	61.04	62.20	59.03	59.68	61.10	21.7	20.8	28.6	30.2	26.1	25	31.4	19.5	90	83	66	66	85	89	
23	60.75	61.06	62.90	59.82	60.21	62.58	22.9	19.9	26.8	28.5	25.8	25	29.4	19.6	93	97	78	71	86	92	
24	62	62.21	63.65	60.91	61.39	63.05	21.7	19.2	27.9	28.5	25.6	23.4	29.2	18.9	96	97	68	70	84	97	
25	62.09	62.25	63.25	60.77	60.96	62.08	22	19.4	27.5	27.7	25.3	25	29.3	19.3	96	98	71	76	87	88	
26	60.96	60.80	62.01	60.04	60.21	61.20	24.5	24.2	26.4	25.5	24.6	24	28	23.6	91	91	81	88	92	93	.5
27	60.07	60.25	61.81	59.25	59.34	60.72	23.2	22.5	23.3	27	24.4	24.1	28	22.2	97	97	92	81	89	90	1.8
28	60	59.77	61.04	59	59.21	60.97	23	21.6	27.3	27.5	24.9	24.1	28.8	21.3	95	97	78	78	87	88	
Mean	60.54	60.65	61.83	59.43	59.70	61.18	22.8	21.7	28.4	29.7	26.4	24.4	31.2	21.2	89	90.1	67.6	68.4	82	85.4	
Total																					7.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	E	SE	SE	NNW	NW	26.2	67.6	76.9	51.5	222.2	0			6		Fr.-Cu. S
2	Calm	Calm	NW	NW	NW	NW	21.2	34.6	102	107.6	265.4	10		S.-Cu. NE	1		Cu.
3	N	Calm	NW	NW	NW	NW	64.4	39.2	135.8	94.1	333.5	6	A.-Cu.	S.-Cu.	1		Cu.
4	NE	Calm	Calm	NW	NNW	W	24.1	34.4	110.5	51.3	220.3	1		S.-Cu.	1		Cu.
5	S	SE	SE	NW	N	SSE	49.6	45.3	60.9	67.9	223.7	9		S.-Cu.	7	A.-Cu.	S.-Cu.
6	SSE	SE	SE	N	Calm	SE	40.8	49.3	58.5	82.7	231.3	9		S.-Cu.	10	A.-Cu.	S.-Cu. ENE
7	S	S	S	SE	SE	S	85.8	93.1	101.1	88.7	368.7	10		S.-Cu.	9	A.-Cu.	Cu.
8	SSE	S	SE	NNW	N	S	71.9	61.8	73.5	56.3	263.5	10		S.-Cu.	9	A.-Cu.	S.-Cu. ENE
9	S	S	SE	N	N	S	79.2	85.3	86.9	44	295.4	5		S.-Cu.	2	Ci.	Cu.
10	S	S	SE	NNW	NNW	S	71.9	59	91.9	60	282.8	0			2	Ci.	Cu.
11	S	S	N	NW	Calm	SSE	54.1	43.7	68.4	101.6	267.8	1		S.-Cu.	7	Ci.	S.-Cu.
12	S	SE	SE	NW	Calm	S	93.1	43	60.6	96.4	293.1	10		S.-Cu.	9	A.-Cu.	S.-Cu. ESE
13	S	S	SSE	S	Calm	S	87.7	82.9	106	75.9	352.5	10		S.-Cu. E	7	A.-Cu.	Fr.-Cu. E
14	S	S	S	NW	NW	NNW	42.3	46.7	98.2	79.4	266.6	1		S.-Cu.	5	Ci.	Cu.
15	Calm	S	Calm	NW	NW	Calm	28.7	40.5	104.8	41.3	215.3	1		S.-Cu.	7	Ci.-S.	Cu.
16	S	S	Calm	NW	NW	NW	41.6	39.4	91.5	44.6	217.1	4		S.-Cu.	5	Ci.	Cu.
17	Calm	Calm	SW	N	NW	SW	23.9	32.4	90.4	49.6	196.3	1		S.-Cu.	5	A.-Cu.	Cu.
18	Calm	S	Calm	NW	NNW	S	20.7	49.6	94.3	57.7	222.3	1		S.-Cu.	5		Fr.-Cu.
19	S	S	E	NNW	N	S	78.6	69	79.9	82.6	310.1	5		S.-Cu.	4	Ci.	Cu.
20	S	S	SE	NNW	NW	S	97.1	80.5	86.1	57.4	321.1	9		S.-Cu. E	4	A.-Cu.	Cu.
21	S	S	SSE	NNW	NW	S	41.3	57.9	79.9	79.5	258.6	2		S.-Cu.	6	Ci.-S.	Fr.-Cu.
22	S	SE	SE	NNW	NW	NW	79.2	43.8	99.2	90.4	312.6	1		S.-Cu.	3	Ci.	Cu.
23	Calm	NW	NNW	NW	NNW	NNW	20.7	61.2	129.3	98.9	305.1	2		S.-Cu.	1		Cu.
24	Calm	Calm	W	NW	NW	NW	26.9	47.5	125.5	72.1	272	1		S.-Cu.	2		Cu.
25	W	Calm	NW	NW	NW	NW	38.8	51.7	128.9	110.7	330.1	1		S.-Cu.	4	A.-Cu.	Cu.
26	NW	NNW	NNW	NW	NW	NNW	91.9	112.9	144	140.5	489.3	10		S.-Cu. N	10		S.-Cu. NW
27	NNW	N	N	NW	NW	NW	98	80.7	130.6	121.8	431.1	10		N. N	9	A.-Cu.	S.-Cu. NNW
28	N	Calm	NNW	NW	NW	NW	61.2	76.4	151.1	136.5	425.2	9		S.-Cu. WSW	3		Cu.
Mean							55.7	58.2	98.8	79.9	292.6	5			5.1		
Total											8,193						

DAGUPAN.

[$\phi = 16°\ 03'$ N; $\lambda = 120°\ 20'$ E; barometer above sea, 2.7 meters; gravity correction not applied, −1.67 mm.]

MARCH, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.69	60.75	62.40	60.30	60.09	61.35	23.3	22.9	27	27.1	24	23.4	28.1	22.7	92	92	74	79	88	88	------
2	60.61	60.70	61.80	59.13	58.83	60.23	22.1	19.9	26.6	30	25	24	30.9	19.4	94	97	77	68	82	88	------
3	59.65	59.85	60.95	58.37	59	60.74	21	20.4	29.2	31	25.9	23.7	33.5	20.1	94	91	60	63	83	83	------
4	60.01	60.09	60.80	58.64	58.92	60.65	21.5	21.1	29	31.8	27.8	24	32.9	20.6	92	90	63	58	75	81	------
5	60.05	60.25	61.42	58.59	58.42	60.47	21.8	21.5	29.2	33.2	28.9	24.6	33.9	21	93	92	66	51	59	83	------
6	59.86	60.22	61.40	58.08	58.28	60.10	21.4	19.8	29.6	32.1	26.6	25.5	33.3	19.5	95	96	64	56	83	88	------
7	59.40	59.74	61.08	58.27	58.43	60.05	24.9	21.4	29.2	29.4	26.4	25.2	31.1	21.2	92	96	66	71	86	93	------
8	59.80	60.31	61.13	58.21	58.19	60.31	22.6	20.4	29.6	31.4	26.8	23.5	33.4	20	94	91	51	46	68	84	------
9	59.50	59.93	61.20	58.46	58.38	59.90	20.5	19.2	29	33.8	26.5	25.4	34.4	19	91	90	62	44	82	84	------
10	58.88	59.12	60.18	57.89	58.19	59.61	22.8	20.3	29.2	31	26.4	25.5	32.4	20	92	90	55	55	77	83	------
11	58.90	59.17	60.68	58.07	57.95	59.75	24.7	20.2	28.1	30.2	27.1	25	30.6	20	91	95	68	61	79	88	------
12	59.20	58.93	60.67	58.86	60.31	61.48	24.4	25	31.8	31.9	25.7	23.8	36.3	23.1	83	80	55	53	83	85	2.3
13	60.58	60.42	61.39	58.67	58.83	60.78	23.2	23	32	31.7	28.4	25.5	36.6	22.8	89	89	57	65	79	94	------
14	60.24	60.37	60.88	58.40	57.73	59.83	23	21.5	32.4	31.5	27.7	24.8	35.3	21.3	91	92	54	65	76	92	------
15	58.70	58.97	59.88	56.88	57	59.12	22.5	20.5	31.6	31.2	27.5	26.6	34.2	20.2	95	96	62	67	81	89	------
16	58.74	59	59.98	57.36	57.97	59.48	24.1	21.6	31.4	33	27.6	26.6	35.9	21.4	96	97	60	62	82	88	------
17	58.50	58.71	59.98	57.98	58.28	59.84	25.8	23.7	31.7	31	27.5	26.6	33	23.3	88	91	62	65	84	89	------
18	59.25	59.20	60.33	58.64	58.53	60.30	25	23.8	29	30.4	26.9	26.1	31.3	23.6	93	96	75	70	84	89	------
19	59.90	60.20	61.83	59.11	58.61	60.40	25.8	24.7	28.5	29.7	26.5	26	30.5	23.9	89	91	74	71	82	87	------
20	59.91	60.40	61.22	58.30	58.67	60.65	23.8	23	30	34.2	29.4	25.8	35	22.7	90	90	60	49	61	85	------
21	59.83	60.30	61.79	58.65	59.07	61.19	23.5	22.4	31.1	35.4	29	27.1	35.6	22.1	91	90	59	47	79	82	------
22	60.38	61.21	62.05	59.26	59.49	61.28	25.3	22.6	30.5	32.6	27.6	26.9	34.4	22.4	88	91	60	55	76	82	------
23	60.52	61.10	62.14	59.22	59.27	61.03	25.5	23.4	30.3	30.2	27.1	26.6	32.4	23	88	91	61	70	81	83	------
24	60.13	60.33	61.28	58.69	59.90	61.74	26	24.4	31.2	29.6	24.5	23.3	35.2	23	85	91	62	77	97	97	12.5
25	60.80	60.84	61.85	59.86	60.22	62.05	23	22.6	30.2	29.2	27.6	26.1	34.1	22.4	97	97	69	70	81	91	------
26	61.19	61.35	62.22	59.61	60.67	62.69	24.3	24	31.4	34.5	24.8	25	35.4	23.6	87	84	60	51	96	96	2.8
27	61.81	62.12	63.34	60.83	61.61	62.90	23.6	23.4	31.2	31.3	24.4	23.5	32.9	23	89	88	61	66	95	98	3.3
28	61.81	61.65	62.28	59.65	60.74	62	23.4	21.9	31.7	35.2	28.2	25.9	36.1	21.6	96	96	60	51	77	78	------
29	60.90	61.18	62.31	59.93	60.46	62.57	24.7	23.9	32.5	31.4	27.8	25.2	35.5	23.5	86	84	52	68	84	83	------
30	61.56	61.65	61.97	59.71	59.61	61.77	22.8	21.4	31.6	32.4	28	25	36.6	21.1	93	92	51	62	77	77	------
31	60.90	60.51	60.83	57.38	57.98	59.79	22.3	20.4	31.2	36	28.2	26.4	36.6	20.1	92	96	52	40	80	89	------
Mean	60.07	60.28	61.33	58.74	59.02	60.78	23.5	22.1	30.2	31.7	27	25.2	33.8	21.7	91.2	91.7	61.7	60.5	80.5	87	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	20.9

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NW	NW	NW	NW	NW	NW	105.5	114.9	175.5	136.3	532.2	4	------	S.-Cu.	2	------	Cu.
2	NW	Calm	N	NW	NW	Calm	67.1	36.5	85.5	50.2	239.3	4	------	S.-Cu.	7	------	S.-Cu. S
3	Calm	S	SE	N	NW	SSE	42.4	87.2	83.5	56.5	269.6	2	------	S.-Cu.	8	A.-Cu.	S.-Cu. SE
4	S	SSE	SE	SSE	SE	SE	70.8	117.5	146.4	104.9	439.6	1	------	S.-Cu.	9	A.-Cu.	S.-Cu. SSE
5	S	S	SE	SE	SE	SE	78.5	115.9	100.6	46.7	341.7	2	------	S.-Cu.	3	Ci.	Cu.
6	SE	SE	SE	NW	N	NW	48.6	55	98.4	95.2	297.2	5	------	S.-Cu.	4	------	Cu.
7	NW	W	E	NNW	NW	Calm	35.7	46	114.1	54.7	250.5	2	------	S.-Cu.	6	------	Fr.-Cu. E
8	S	SE	SE	NW	NW	Calm	43.5	77.7	101.6	50.1	272.9	8	------	S.-Cu.	2	------	Cu.
9	Calm	SE	SSE	SW	NNW	NW	31.7	70.6	88.5	60.7	251.5	2	------	S.-Cu.	2	------	Cu.
10	Calm	SE	SE	NW	NW	NW	40.4	48.1	111.6	95.6	295.7	2	------	S.-Cu.	3	Ci.	Cu.
11	E	Calm	Calm	NW	NW	SW	42.3	40.7	109.6	55.8	248.4	1	Ci.	S.-Cu.	1	------	Cu.
12	SE	SE	E	SE	SSE	SE	52.3	73.5	167.6	76.4	369.8	4	------	S.-Cu.	9	A.-Cu.	S.-Cu. S
13	S	S	SE	NNW	NW	Calm	77.5	114.8	99.8	35.4	327.5	1	------	S.-Cu.	2	------	Cu.
14	SW	SE	SE	NNW	NW	Calm	41	71.6	103	45.9	261.5	1	------	S.-Cu.	2	------	Cu.
15	SW	S	SE	NNW	NW	NW	29.9	59.5	112.3	64.4	266.1	1	------	S.-Cu.	3	------	Cu.
16	SW	Calm	SSE	NW	NNW	N	24.6	50.5	107	75.3	257.4	1	------	S.-Cu.	3	------	Cu.
17	N	E	S	NW	NW	N	32.4	47.2	134.5	72.7	286.8	1	------	S.-Cu.	3	Ci.	Cu.
18	Calm	SE	NW	NW	NW	NW	20.6	54	153.1	130	357.7	6	Ci.	S.-Cu. W	2	------	Cu.
19	NNW	N	NW	NW	NW	NW	78.4	73.7	130.7	69	351.8	4	------	S.-Cu.	1	------	Cu.
20	SE	S	SSE	SSE	SE	E	49.7	78.3	98.8	40.8	267.6	2	------	S.-Cu.	5	A.-Cu.	Fr.-Cu.
21	S	Calm	SSE	SSE	N	NW	36.2	73.5	81.1	74.2	265	1	------	S.-Cu.	6	------	Fr.-Cu. S
22	Calm	Calm	S	NW	NW	NW	30.9	60.1	93.6	104.1	288.7	2	------	S.-Cu.	2	------	Fr.-Cu.
23	NE	E	SE	NW	NW	NW	36.8	57.2	122.1	120.2	336.3	4	------	S.-Cu. NE	1	------	Cu.
24	N	S	SE	NNW	SW	E	46.2	79.5	81.3	45.3	252.3	5	------	S.-Cu.	7	Ci.	S.-Cu. SE
25	Calm	Calm	SSE	NNE	NW	SW	24.1	39.4	68.7	51	183.2	7	------	S.-Cu. E	9	A.-Cu.	Cu.
26	S	SE	S	SE	N	Calm	66.6	90.4	79.1	36.2	272.3	5	------	S.-Cu.	9	A.-Cu.	Fr.-Cu.
27	S	S	SE	NNW	SW	Calm	70	52.6	85.5	30.9	239	8	------	S.-Cu.	9	A.-Cu.	S.-Cu.
28	Calm	Calm	S	SSE	SE	SE	24.1	62.8	88	73.2	248.1	1	------	S.-Cu.	9	A.-Cu.	Cu.
29	SSE	S	SE	NW	N	SE	107	84.2	106.4	51.2	348.8	1	------	S.-Cu.	2	------	Cu.
30	Calm	Calm	SE	NNW	NNW	S	42.4	96.8	116.1	61.8	317.1	1	Ci.	S.-Cu.	1	------	Cu.
31	S	SE	SE	S	NW	Calm	40.4	65.2	83.9	59.5	249	1	Ci.	S.-Cu.	3	------	Cu.
Mean	------	------	------	------	------	------	49.6	70.8	107.4	68.5	296.3	2.9	------	------	4.4	------	------
Total	------	------	------	------	------	------	------	------	------	------	9,184.6	------	------	------	------	------	------

DAGUPAN.

[$\phi = 16° 03'$ N; $\lambda = 120° 20'$ E; barometer above sea, 2.7 meters; gravity correction not applied, —1.67 mm.]

APRIL, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.87	58.96	59.39	56.89	57.16	59.63	23.8	22.3	31.3	34.8	27.7	26.6	35.9	22	91	87	51	44	81	86	------
2	58.94	59.25	59.67	57.67	58.05	59.60	24.2	22.2	31.5	31.1	28	26.5	34.6	21.6	91	93	57	62	80	85	------
3	59	59.71	60.24	58.02	58.28	59.82	23	21.8	31.6	32.6	28	26.6	34.4	20.9	93	86	55	57	78	86	------
4	59.28	59.33	60.03	57.71	58.33	60.12	24.4	24.2	31.5	35.1	29.5	25.6	35.9	23.8	91	90	57	48	61	80	0.8
5	59	58.92	59.52	57.55	57.94	59.83	24.7	22.9	32.4	32.6	28	25.9	35.1	22.6	84	90	54	62	78	87	------
6	58.65	58.97	59.81	57.41	58.10	59.85	23.5	23	31.8	35.5	30.4	25.4	36.3	22.7	87	79	44	41	72	67	------
7	58.60	58.77	59.31	56.66	57.66	59.84	23.9	23.1	32.3	35.7	28.7	27.5	36.8	22.7	74	77	51	44	77	84	------
8	58.62	58.88	58.69	56.09	56.72	58.65	24.8	23.3	32.2	31.8	28	27.6	36.8	23.1	79	81	51	64	79	86	------
9	57.72	57.74	57.83	55.46	55.83	58.08	25.3	23.4	33.6	32	28.3	24.4	36.1	23	88	91	55	64	85	97	18.8
10	57.10	57.12	58.25	55.25	55.30	58.06	23.6	23.2	31.2	35.6	30	24.1	36.7	22.9	95	97	64	50	74	97	10.2
11	57.05	56.92	58.13	55.66	55.55	58	23.8	23.3	31	32.4	28.6	27.8	33.6	23	97	97	72	68	86	90	------
12	57.40	57.70	58.61	56.01	56.63	58.34	27.4	24	32.3	31.5	28.4	27.5	34.4	23.7	88	96	68	68	85	88	------
13	57.88	58.72	59.76	56.71	57.60	59.13	25.4	24.4	32.6	36.6	30.1	28	37.6	23.8	93	91	57	45	77	88	------
14	58.60	58.34	59.22	56.94	56.77	58.50	24.8	23.6	30.7	31	28	27.1	32	23.2	93	95	72	75	85	83	------
15	57.70	57.45	58.47	56.84	56.85	58.53	26.6	24	30.1	30.5	27.6	26.9	31.4	23.6	86	95	73	72	80	84	------
16	57.95	58.27	59.03	56.55	56.13	58.88	24.8	23.3	30.5	31.6	28.4	27.5	33.4	22.8	93	97	71	68	77	82	------
17	58.61	58.73	58.92	56.48	57.60	59.12	26.6	24.4	31	33.7	28	27.2	34.6	24.2	86	93	68	60	80	83	------
18	58.11	58.27	58.98	56.68	57.20	58.85	25	23.2	31.6	33.2	28.1	27.5	34.7	22.7	92	95	62	56	78	81	------
19	58	58.71	59.57	57.79	58.68	60.23	26	24.3	31.6	33.6	28.5	27.9	34.8	24	89	97	61	60	81	82	------
20	59.67	60.03	60.84	58.47	59.29	60.85	26.8	25.1	30.6	31	27.9	26.1	33.6	24.8	87	92	72	68	81	92	6.1
21	60.38	61.03	61.71	58.96	59.36	60.84	25.1	24	32.4	33	29.4	28.5	34.5	23.8	94	91	62	58	81	79	------
22	59.70	60.11	59.98	57.55	57.97	59.38	26.1	24.2	34.2	33.6	29.2	28.1	37.1	23.8	88	88	50	58	82	88	------
23	57.83	56.80	56.95	54.93	55.53	56.81	25.5	26	29.4	28.4	25.5	24.2	30.6	23.8	91	91	84	81	93	98	4.1
24	55.60	56.30	56.85	55.79	56.86	58.92	24.1	24.2	29.6	25	23.3	23.1	31.7	22.8	98	98	75	98	93	97	65.3
25	58.18	58.07	59.24	57.96	58.49	60.15	23.2	22.9	29	28.1	27.2	26.2	30.4	22.5	98	97	78	85	90	93	3.3
26	59.21	59.62	59.98	57.85	57.59	59.84	24.2	23.9	31.3	27.8	26.5	25	34.1	23.5	98	98	73	90	94	98	21.7
27	58.30	58.22	58.80	56.76	57.21	58.55	24.9	24.3	28.8	24.4	24	23.8	33	23.4	98	99	85	97	97	99	56.3
28	57.78	57.51	58.30	56.77	56.91	58.10	23.5	23	27.6	30.9	28	27	31.3	22.7	98	97	83	71	83	89	------
29	58.11	58.44	58.77	56.83	57.09	58.66	24.6	24	31.9	32.4	28.5	27.6	33.5	23.5	96	98	70	60	81	86	------
30	58.19	58.27	59.61	57.63	57.89	59.48	26.5	24.6	31.2	31.9	28.9	27.6	32.9	24.4	93	95	72	70	74	87	------
Mean	58.33	58.51	59.15	56.93	57.35	59.15	24.9	23.7	31.2	31.9	28	26.5	34.3	23.2	91	92.4	64.9	64.8	81.4	87.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	186.6

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SSE	SE	SSE	SE	NW	NW	50.4	92.8	86.2	76.9	306.3	1	----------	S.-Cu.	2	Ci.	Cu.
2	Calm	S	SSE	NNW	NW	SE	25.9	62.6	119.1	73.8	281.4	1	Ci.	S.-Cu.	3	Ci.	Cu.
3	S	SE	SSE	NW	NW	NW	41.3	61	100.6	65.7	268.6	1	Ci.	----------	4	Ci.	Cu.
4	Calm	SSE	SE	SE	ESE	SE	60.4	119.1	121.8	56.9	358.2	6	Ci.	S.-Cu.	6	A.-Cu.	Cu.
5	SE	SE	SE	NW	NW	S	54.2	59.3	112.9	52.1	278.5	2	Ci.	S.-Cu.	7	Ci.	Fr.-Cu.
6	SSE	SSE	SE	SE	SE	SE	77.7	115.1	106.8	55.6	355.2	1	Ci.	----------	6	----------	Fr.-Cu. SE
7	SE	SE	SSE	SSE	NW	NW	67.6	98.2	98	64.6	328.4	1	Ci.	----------	5	----------	Fr.-Cu.
8	SE	SE	SE	NNW	NW	NW	63	117.5	114.5	67.8	362.8	0	----------	----------	6	----------	Fr.-Cu.
9	Calm	S	SSE	NNW	NW	W	31.4	70	107.3	55.3	264	4	----------	S.-Cu. SE	9	----------	Cu.-N.
10	SE	SE	SE	SE	NW	SE	35.4	84.8	98	58.2	276.4	0	----------	----------	8	----------	Cu.-N.
11	Calm	SE	Calm	NW	NW	NW	29.6	44.9	109.4	97.2	281.1	1	Ci.	S.-Cu.	4	----------	Cu.
12	NE	Calm	SE	NW	NW	NW	39.7	48.9	115.9	48.6	253.1	2	----------	S.-Cu.	5	----------	Cu.-N.
13	SE	S	SE	SSE	NW	NW	34.3	83.2	98	100.7	316.2	9	----------	S.-Cu.	4	----------	Cu.
14	E	E	NW	NW	NW	NW	35.4	50.2	139.2	129.8	354.6	1	Ci.	----------	2	----------	Cu.
15	NNW	Calm	NW	NW	NW	NW	59.8	56.3	135.2	84.5	335.8	1	----------	Cu.	2	----------	Cu.
16	Calm	Calm	NW	NW	NW	NW	22.7	37.5	99.6	93.6	253.4	1	----------	S.-Cu.	7	----------	S.-Cu.
17	NW	Calm	SE	NW	NW	NW	46	52.8	99.6	88.2	286.6	8	----------	S.-Cu.	5	----------	Fr.-Cu.
18	W	SW	SSE	NW	NW	NW	30.4	42.9	103.5	63.3	240.1	1	Ci.	----------	1	----------	Cu.
19	Calm	Calm	SSE	NW	NW	NNW	18.5	39.9	95	71.7	225.1	4	----------	S.-Cu.	8	A.-Cu.	S.-Cu.
20	E	E	SE	NW	N	SW	25.2	45.6	60.7	38.4	169.9	9	Ci.	S.-Cu.	9	A.-Cu.	S.-Cu. E
21	S	Calm	SSE	NNW	N	NW	61.5	47	113	55	276.5	8	----------	S.-Cu.	5	A.-Cu.	Fr.-Cu.
22	SE	SE	SE	NW	NW	NW	42.1	66.9	120.9	65.2	295.1	6	A.-Cu.	S.-Cu.	9	A.-Cu.	S.-Cu.
23	Calm	E	NW	NW	Calm	SE	30.8	50.9	52.4	33	167.1	9	----------	S.-Cu.	10	A.-Cu.	N.
24	Calm	SE	SE	WSW	S	SE	24.1	132.8	60.7	46.7	264.3	10	----------	S.-Cu. SE	10	----------	N. S
25	S	SE	SE	NW	NNW	N	39.7	44.9	66.5	46.5	197.6	8	Ci.	S.-Cu.	10	A.-Cu.	N. SW
26	Calm	SE	S	SW	SE	SE	26.9	43.2	49.9	32.2	152.2	4	Ci.	S.-Cu.	10	----------	N.
27	Calm	SE	SE	W	E	Calm	29.3	57.9	49.4	15.8	152.4	10	----------	S.	10	----------	N.
28	Calm	Calm	NW	NW	NW	NW	17	48.3	111.9	65	242.2	10	----------	N.	5	A.-Cu.	Cu.
29	S	Calm	S	NW	NNW	NW	23.1	31.5	100.1	90.9	245.6	4	Ci.	Cu.	3	Ci.	Cu.
30	NW	SE	NW	NW	NW	NW	33.5	43.1	104.1	60.8	241.5	6	----------	S.-Cu.	5	Ci.-S.	Cu.
Mean	------	------	------	------	------	------	39.2	65	98.3	65.1	267.7	4.3	----------	----------	6	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	8,030.2	----	----------	----------	----	----------	----------

DAGUPAN.

[$\phi = 16° 03'$ N; $\lambda = 120° 20'$ E; barometer above sea, 2.7 meters; gravity correction not applied, —1.67 mm.]

MAY, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a.m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.92	59.66	60.21	57.90	57.95	59.69	25.2	24.2	31	32.5	29.2	26.5	33.6	23.7	95	97	74	63	75	96	3.6
2	58.83	59.07	59.31	56.94	56.71	58.94	25.3	24.1	31.8	35.2	30	24.6	36	23.7	96	97	66	51	77	95	9.9
3	58.40	58	58.90	56.91	57	59.61	24.2	23.8	31	34.6	30	25.1	35.7	23.3	95	93	63	52	74	96	10.9
4	58.98	59.14	59.80	57.44	58.61	60.12	23.8	23	31.5	36	29.9	27.4	37	22.8	96	92	62	45	71	89	------
5	59.80	60.21	60.56	58.21	59.01	60.87	25.5	24.3	32.4	32.6	28.9	26.5	36.7	23.9	89	92	60	62	78	93	6.1
6	59.98	59.75	59.83	57.27	58.24	61.09	25.4	23.6	32.1	35.6	26.5	23.7	36.5	23.4	94	97	66	51	90	96	98.8
7	59.33	58.72	59.79	57.80	59.39	60.03	23.4	23.2	30.8	28.9	24.2	23.5	35.2	22.6	95	93	69	72	97	96	4.3
8	58.10	58.97	59.54	56.82	57.43	59.02	23.2	23	30.2	32	28.7	26.9	34.4	22.6	97	96	70	61	75	88	------
9	58.50	58.97	59.85	57.85	58.68	60.03	24.8	24.2	29.8	29	26.2	25	34.8	23.6	93	95	77	78	92	97	3.6
10	58.85	58.81	59.94	58.11	58.32	59.61	24.4	23.7	30.6	32	29.2	25	33.4	23.2	97	97	72	63	77	94	.3
11	59.29	59.27	59.60	58	58.20	59.63	23.6	23.2	32	32	28.6	26.2	33.9	22.8	96	97	69	65	77	88	------
12	58.56	58.85	59.03	56.81	57.95	59.10	24.9	24.5	32.1	34	29	26.2	34.9	24.1	92	92	67	62	78	91	------
13	58.60	58.85	58.92	56.69	57.55	58.67	24.8	24.3	31.8	35.2	24.2	23.5	36.4	23.2	97	97	70	59	98	98	51.6
14	58.32	57.92	58.68	56.34	56.77	59.39	23.4	23.3	31.6	34	29.2	25.5	36.1	23.2	98	99	72	65	81	87	------
15	58.80	58.17	58.40	56.60	57.41	59.09	24.1	23.6	32.8	34	29.8	26.7	34.8	23.2	96	97	71	63	78	86	------
16	58.67	58.92	59.01	57.03	57.37	59.17	24.8	24.3	31.7	34.6	30.1	27	35.6	23.8	93	95	74	64	73	83	------
17	57.86	58.44	58.21	56.04	56.87	58.77	24.8	23.4	32.6	34.6	29.4	25	36.1	22.9	93	95	63	57	81	97	2
18	57.63	57.68	57.64	55.48	56.26	58.62	23.9	23.4	30.6	33.5	29.6	24.2	35.5	22.9	98	98	74	66	77	96	5.9
19	57.47	57.53	57.59	55.81	56.43	57.95	24.1	24	31.7	35.4	29.7	27.2	36.1	23.1	96	95	71	53	77	87	------
20	57.46	57.27	57.53	56.06	56.97	58.64	25.2	24.3	32.4	35.6	30.3	28.6	36.4	23.5	93	94	63	53	76	85	------
21	57.88	58.10	58.08	56.11	56.56	58.40	25.9	25.4	33	33.8	29.4	27.6	35.6	24.6	93	94	67	66	81	89	------
22	57.45	57.54	58.01	55.97	57.28	58.55	25.5	25	32.6	33.2	25.8	25.9	35.1	24.1	92	94	70	61	95	89	26.4
23	57.70	57.60	57.87	55.81	55.99	57.23	25.1	24.5	32.1	32.6	29.8	28.6	34.1	24.1	95	97	72	69	79	83	------
24	56.63	56.81	56.66	54.94	56.18	57.95	25.8	25.4	33	36.1	29.8	28.5	36.9	24.6	92	93	68	55	80	85	------
25	57.00	57.49	58.13	55.81	56.73	58.65	27	25.5	32.6	35.4	31	28.9	36.4	25	92	98	66	58	73	83	------
26	57.94	57.67	58.51	56.86	57.20	59.02	26	25.1	32.4	34.2	30.1	29.1	35.3	24.2	90	94	70	63	79	81	------
27	58.65	58.23	58.52	56.39	57.54	58.85	26.7	25.1	32.3	35.6	26.8	26	36.5	24.7	90	96	67	59	90	95	25.4
28	58.05	58.10	58.34	56.04	55.93	57.54	25	24.5	32.2	33.5	30.1	29	36.4	24	96	97	71	66	77	84	------
29	57.05	57.33	57.53	55.80	55.78	57.19	26.3	24.6	32.7	33.8	30.7	28	34.7	24.3	91	97	66	64	78	88	------
30	56.68	57.01	57.43	56.10	56.93	58.22	25.8	24.8	33.2	32.5	29.3	27.4	35.1	24.2	93	97	67	67	84	87	------
31	57.64	57.92	58.91	57.57	58.12	59.25	25.7	24.8	32	32.7	28.2	26.6	34.3	24.3	94	97	67	65	82	92	.8
Mean	58.23	58.32	58.72	56.69	57.33	59	25	24.2	31.9	33.7	28.8	26.4	35.5	23.7	94.1	95.5	68.5	61.2	80.6	90.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	249.1

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.					6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	S	Calm	W	NW	NW	NE	28	36.8	99.6	63.1	227.5	1	Ci.	S.-Cu.	2	----------	Cu.
2	SE	SE	SSE	Calm	NW	Calm	33.1	54.4	71.1	47.6	206.2	1	----------	S.-Cu.	5	----------	Fr.-Cu.
3	SSE	S	SE	SSE	NW	Calm	62.1	83.7	71.9	63.1	280.8	1	Ci.	Cu.	4	----------	Cu.
4	Calm	SE	SSE	SSE	N	Calm	30.9	60.7	73.2	37.5	202.3	1	----------	S.-Cu.	8	Ci.-S.	S.-Cu.
5	S	SE	SE	NW	WNW	Calm	38.4	51	93.8	30.6	213.8	7	Ci.	S.-Cu.	8	----------	Cu.
6	S	Calm	S	SE	SW	SE	22.3	71.3	89.9	63.9	247.4	2	Ci.	S.-Cu.	5	Ci.	Cu.
7	SE	SE	SE	W	E	SE	52.6	56.5	75.1	58.5	242.7	6	A.-Cu.	S.-Cu.	10	----------	Cu.-N.
8	S	SE	SE	Calm	W	Calm	60.7	77.5	65.2	35.1	238.5	6	A.-Cu.	S.-Cu.	8	A.-Cu.	Cu.-N.
9	SE	SE	SE	W	Calm	Calm	32.2	48	57.1	34.9	172.2	8	Ci.-S.	S.-Cu.	10	----------	N.
10	SW	SE	Calm	NW	NNW	Calm	31.1	42.4	86.9	51.5	211.9	8	A.-Cu.	S.-Cu.	6	A.-Cu.	Cu.
11	SE	Calm	SE	NW	NW	NE	40	46.9	94.6	54.9	236.4	3	Ci.	S.-Cu.	7	Ci.-S.	Cu.
12	SE	SE	SE	NW	NW	Calm	53.1	50.5	89	61.8	254.4	2	A.-Cu.	S.-Cu.	8	Ci.	Cu.-N.
13	SE	S	SE	S	S	Calm	33.8	79.2	79.1	33.3	225.4	4	A.-Cu.	S.-Cu.	5	Ci.-S.	Cu.
14	Calm	Calm	SE	S	NW	SE	24.4	46.9	98	63	232.3	3	Ci.	S.-Cu.	5	A.-Cu.	Cu.
15	SE	Calm	SE	NW	NW	NE	40.4	39.4	93.8	80	253.6	2	Ci.	Cu.	6	Ci.	Cu.
16	Calm	SE	SSE	SSE	SE	SE	35.2	79.7	91.2	46.7	252.8	8	Ci.	S.-Cu.	9	Ci.	Cu.
17	SE	Calm	SE	S	NW	S	34.1	63.1	95.9	62	255.1	4	Ci.	Cu.	7	Ci.	Cu.
18	SE	SE	SE	NW	NW	Calm	41.3	61.4	89.6	47.6	239.9	7	A.-Cu.	S.-Cu.	9	Ci.-S.	Cu.
19	Calm	SE	SE	S	NW	N	35.1	70.6	86.7	45.3	237.7	5	Ci.	S.-Cu.	8	Ci.-S.	Cu.
20	Calm	E	SE	SSE	NW	N	31.1	79.7	87.1	56.6	254.5	1	Ci.	Cu.	3	Ci.	Cu.
21	Calm	SE	SE	NW	NW	NW	32	58.8	85.3	77.2	253.3	5	Ci.	S.-Cu.	8	Ci.-S.	S.-Cu.
22	SE	SE	S	NNW	SW	W	33.5	39.4	101.4	57.9	232.2	4	Ci.	Cu.	8	Ci.	Cu.
23	Calm	Calm	SE	NW	NW	NW	33.3	42.1	99.8	55.8	231	7	A.-Cu.	S.-Cu.	7	Ci.	Cu.
24	E	SE	SE	SSE	NW	N	42.3	68.5	85.5	69	265.3	3	Ci.	Cu.	4	Ci.	Cu.
25	Calm	Calm	NE	SW	NW	NW	27.9	27.6	90.3	66.2	212	6	Ci.	S.-Cu.	5	Ci.	Cu.
26	SE	SE	Calm	NW	NW	NW	31.9	37.3	100.6	82.6	252.4	4	Ci.	S.-Cu.	7	Ci.	Cu.-N.
27	SE	SE	SE	NW	N	Calm	51.2	50.8	65.3	40	207.3	8	A.-Cu.	S.-Cu.	7	Ci.	Cu.-N.
28	SE	SE	SE	W	NW	NW	41.1	56.5	85.5	69.4	252.5	4	Ci.	Cu.	7	Ci.-S.	Cu.
29	SE	SE	SE	NNW	NW	Calm	49.4	49.6	92.5	39.1	230.6	8	Ci.	S.-Cu.	8	Ci.-S.	Cu.-N.
30	Calm	S	SE	NW	NW	Calm	22.7	41.6	80.5	42.4	187.2	5	Ci.-S.	Cu.	9	A.-Cu.	Cu.-N.
31	Calm	Calm	S	NW	Calm	SE	30.1	34.7	52.9	29	146.7	8	A.-Cu.	S.-Cu.	9	A.-Cu.	Cu.-N.
Mean	------	------	------	------	------	------	37.3	55.1	84.8	53.7	230.8	4.6	----------	----------	6.8	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	7,155.9	----	----------	----------	----	----------	----------

DAGUPAN.

[$\phi = 16° 03'$ N; $\lambda = 120° 20'$ E; barometer above sea, 2.7 meters; gravity correction not applied, −1.67 mm.]

JUNE, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.69	58.07	58.21	57.30	57.72	59.35	25.4	25.2	33.5	32.4	30.6	27.6	36.1	24.8	96	92	61	68	73	91	
2	58.60	58.76	59.46	57.77	57.89	59.18	25.7	25	32.2	34.8	31	27.1	36	24.5	96	92	61	54	66	84	
3	58.70	59.13	59.51	58.14	58.14	60.45	24.9	24.1	33	32.9	29.6	27.5	36.1	23.7	93	95	57	61	78	87	
4	59.10	59.35	59.53	57.91	59.10	60.40	25.8	24.5	33	36.3	25.1	26.8	37.3	24	93	96	60	47	95	87	21.6
5	59.60	59.65	59.41	57.04	58.03	60.02	24.3	24.1	32.4	34.6	27.7	26.6	36.5	23.8	97	97	68	57	91	95	2
6	58.80	58.96	58.33	56.13	56.98	58.63	25.7	24.4	32.6	36.3	31.6	27.4	37.6	24	94	97	66	46	61	78	
7	58.29	58.68	58.43	56.24	56.41	58.97	26.6	24.4	32.6	33.2	30.6	26.3	37.4	24.1	83	91	66	63	72	94	.8
8	58.13	57.95	58.18	56.13	56.83	58.80	25.5	24.7	31.8	34.1	27.5	26	36.1	24.2	96	97	70	63	92	96	1.5
9	58.21	58.38	58.63	57.14	57.70	59.79	25.5	25.2	33.2	36	25.7	26.2	37.1	24.6	98	98	69	54	93	97	20.3
10	59.31	59.64	69.91	58.03	58.20	59.96	25.6	25	32.6	34.6	31.1	28.1	36.9	24.5	97	97	68	58	73	90	
11	59.13	59.36	59.71	57.28	58.95	59.09	26.8	25.5	33.4	34.2	26.5	25.3	35.9	24.6	94	95	63	57	91	95	28.2
12	58.42	58.47	58.78	56.39	56.56	58.09	24.5	24.1	32.6	34.5	30.5	27.9	36.6	23.9	97	96	65	59	74	79	
13	57.70	58.07	58.74	56.36	56.48	59.33	26.5	25.2	32.3	33.4	31.1	26	34.3	24.6	88	91	64	64	73	94	44.9
14	58.88	59.23	59.55	58.03	57.98	59.40	25.5	25.7	29.8	32.5	30.5	26.6	33.9	25	97	98	77	69	71	80	
15	59.30	59.43	59.29	58.02	56.93	58.64	25.6	25	32	31.2	30.7	27.6	33.8	24.4	87	91	67	71	69	80	11.4
16	57.76	57.56	57.23	56.55	56.19	56.60	26.5	25.6	31	26	25.3	24.7	31.7	24	86	90	72	94	93	97	38.6
17	55.77	55.21	56.01	54.76	54.45	55.16	23.8	23.7	25.5	28	27.1	25.2	30.1	23.2	98	97	96	80	82	91	30.7
18	53.81	53.86	54.20	53.36	54.11	55.51	24.1	23.9	30.5	25.1	25.6	25	32.7	23.6	97	97	73	95	93	96	24.9
19	54.88	55.02	55.15	53.80	54.72	56.50	24.2	24.4	28.5	30	25.5	24.6	32.4	23.8	96	93	80	72	94	94	28
20	55.44	55.39	56.10	55.47	56.30	57.62	23.6	24	26.4	27.6	26.9	25.5	28.4	23.4	98	95	86	83	82	90	9.2
21	57.17	58.26	58.14	58.09	58.40	59.24	24.5	24.1	28	30	24.2	24	32.3	23.3	93	94	81	70	90	94	7.4
22	59.07	60.02	60.17	58.86	59.54	61.35	23.6	23.3	30.8	34	28.6	27	34.8	22.8	94	97	67	56	78	85	
23	60.20	60.96	60.84	59.19	59.13	60.74	24.8	23.8	30.8	32.5	29	27.8	33.1	23.4	93	96	67	61	79	87	
24	59.45	59.30	59.31	57.70	56.99	58.35	26.9	25.4	30.8	32.5	29.8	28.1	33.2	25.2	90	96	71	68	73	83	
25	57.33	57.10	57.97	56.26	56.28	57.69	27.4	27.2	31.4	32.4	29.9	28	33	26.5	87	86	68	65	70	80	
26	56.95	57.24	57.50	56.10	56.11	57.73	26	24	30.8	32.2	29.5	27.6	33.6	23.7	92	95	67	63	71	86	
27	56.64	56.36	57.27	56.27	57.04	58.60	25.9	24.8	31.2	28.8	27.9	26.2	33.7	24.5	88	91	68	80	78	90	
28	57.61	57.57	57.84	56.23	56.42	58.28	24.7	24	29.6	32.8	28.5	27	33.7	23.8	94	95	78	64	88	86	.5
29	57.20	57.57	57.56	55.65	55.92	57.10	25	23.8	31	32.5	27.9	25.2	33.3	23.4	96	97	69	62	87	96	1.8
30	56	56.26	55.83	53.99	54.20	55.24	24.7	24	30	31.4	25.9	25.9	32.1	23.5	96	97	73	67	88	88	14.2
Mean	57.87	58.03	58.23	56.67	56.99	58.53	25.3	24.6	31.1	32.2	28.4	26.5	34.3	24.1	93.5	94.6	69.9	65.7	80.6	89	
Total																					286

Day.	Wind.										Clouds.				
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.		2 p. m.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction.	Amount.	Form and direction.
													Upper. Lower.		Upper. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*		*0–10*	
1	SE	SE	SE	N	Calm	Calm	54.2	68.7	51.8	36	210.7	10	A.-Cu. S.-Cu.	9	A.-Cu. Cu.
2	E	SE	SE	SSE	S	SE	53.3	105.1	114.8	53.9	327.1	5	Ci.-S. S.-Cu.	6	A.-Cu. Cu.
3	SE	SE	SSE	SW	N	SE	32.4	66.3	51	34.7	184.4	6	Ci.-S. Cu.	9	A.-Cu. Cu.-N.
4	SE	SE	SSE	S	W	Calm	35.7	84.3	96.1	53.9	270	4	Ci. S.-Cu.	5	Ci.-S. Cu.
5	Calm	Calm	SE	SE	NE	Calm	16.4	49.6	78.3	27.6	171.9	5	Ci.-S. S.-Cu.	8	A.-Cu. Cu.
6	S	SE	SSE	SE	SE	SE	27.7	73.8	84.2	37.3	223	4	Ci. S.-Cu.	7	Ci. Cu.
7	SE	E	SE	NNW	NW	SW	39.4	55.2	74.9	48.6	218.1	9	A.-Cu. S.-Cu.	6	Ci.-S. Cu.
8	SE	SE	S	NW	W	SE	24.7	44.6	68.9	44.8	183	9	Ci. Cu.	9	Ci.-S. Cu.
9	Calm	SE	SSE	S	S	Calm	25.5	56.9	74.2	19.3	175.9	7	Ci.-S. S.-Cu.	8	Ci.-S. Cu.
10	SE	SE	SE	NW	NW	SW	30.3	57.7	77	44.9	209.9	6	Ci.-S. S.-Cu.	7	---------- Cu.
11	Calm	S	SE	NNW	SW	Calm	21.4	44.4	77.5	35.4	178.7	3	Ci.-S. Cu.	5	A.-Cu. Cu.
12	SE	SE	SE	NW	Calm	SE	34.9	53.7	59.5	37	185.1	7	Ci. Cu.	8	Ci. Cu.
13	SE	Calm	Calm	NW	NW	NE	32	35.7	90.4	49.4	207.5	8	A.-Cu. Cu.	4	Ci.-S. Cu.
14	NE	Calm	SE	W	N	SW	30.3	41.1	88.5	31.7	191.6	10	A.-Cu. S.-Cu. S	7	Ci.-S. Cu.-N.
15	Calm	S	SE	N	NW	W	28.5	50.4	58.1	59.3	196.3	5	Ci. S.-Cu.	9	A.-Cu. S.-Cu.
16	SW	Calm	E	NE	NNW	SW	51.3	36.5	59.7	54.5	202	10	---------- S.-Cu. W	10	---------- N.
17	E	E	SE	N	W	W	46	43.7	51	30.3	171	10	---------- N. W	10	A.-Cu. S.-Cu.
18	SE	SE	SE	SW	E	Calm	37.6	85.8	63.1	48.3	234.8	6	Ci. S.-Cu.	10	---------- N. S
19	SE	SE	SE	SE	SE	SE	77.5	101.6	94.7	100.3	374.1	10	---------- S.-Cu. SE	10	A.-Cu. Cu.-N. S
20	SE	SE	SE	SE	SE	SE	129.3	151.9	86.7	39.7	407.6	10	---------- N. SE	10	A.-Cu. N. S
21	SE	SE	SE	SE	E	S	63.4	70.5	75.8	46.5	256.2	10	---------- N.	10	A.-Cu. N. S
22	SE	S	SE	SE	W	Calm	43.8	75.4	71.6	33.8	224.6	2	Ci. Cu.	5	---------- Cu.-N.
23	Calm	S	W	NW	NW	W	24.9	44.4	106.8	80	256.1	1	---------- Cu.	3	---------- Cu.
24	NW	Calm	WNW	NW	NW	WNW	42.1	42.7	98.4	101.9	285.1	5	Ci. S.-Cu.	8	Ci.-S. Cu.
25	NW	NW	NW	NNW	WNW	NW	66.9	62	115.7	79.4	324	7	Ci. Fr.-Cu.	6	Ci.-S. Cu.
26	Calm	W	SE	NW	NW	Calm	23	37.8	107	54.2	222	9	Ci.-S. Cu.	9	Ci.-S. Cu.
27	Calm	SE	SE	NW	Calm	Calm	29.3	45.4	110	29.9	214.6	9	A.-Cu. S.-Cu.	9	A.-Cu. Cu.
28	S	SE	Calm	N	S	N	46	42.9	63.3	32.7	184.9	10	A.-Cu. S.-Cu. SE	7	Ci.-S. Cu.-N.
29	Calm	SE	S	NW	NW	Calm	35.1	41.5	93.3	60	229.9	8	Ci. S.-Cu.	7	Ci.-S. Cu.-N.
30	Calm	Calm	WNW	NW	W	NW	26.8	38.6	101.6	82.1	249.1	10	---------- S.-Cu.	6	Ci.-S. Cu.
Mean							41	60.3	81.5	49.6	232.3	7.2			
Total											6,969.2			7.6	

DAGUPAN.

[$\phi = 16° 03'$ N; $\lambda = 120° 20'$ E; barometer above sea, 2.7 meters; gravity correction not applied, —1.67 mm.]

JULY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	53.56	53.91	53.28	52.19	50.80	50.30	26	25.2	29.8	29.4	27.7	27.7	30.9	24.8	94	94	78	76	93	93	10.7
2	48.46	48.39	51.79	52.89	54	55.97	25.1	24.3	24	24.5	24.5	25	27.8	23.5	95	97	97	97	94	89	75.7
3	55.82	57.12	57.15	56.39	56.67	59.15	24.5	24.6	27.5	30.6	28.8	26	33.3	24	96	97	82	74	76	93	------
4	58.63	58.28	58.80	57.10	58.87	60.08	24.8	23.6	31	33.8	25.7	24	34.9	23.4	95	97	65	57	87	96	5.9
5	58.67	58.67	59.80	57.41	58.63	60.11	23.5	23.2	30	30.1	23.6	24.3	34.4	22.8	97	97	73	75	91	96	5.6
6	59.27	59.11	59.10	57.23	57.15	58.87	23.1	22.7	30.5	33.1	29.4	28.3	34.4	22.2	97	98	70	57	71	80	------
7	58.62	58.65	58.73	57.26	57.32	59.10	27.4	25	32.3	32.8	30	26.9	34.4	24.6	83	95	64	62	71	92	------
8	58.54	58.56	58.39	56.88	57.08	58.24	25.9	24.8	32	35	29.9	28	35.9	24.5	93	97	66	56	73	85	10.2
9	57.85	58.05	58.29	56.91	57.24	59.12	25.4	24.8	30	31.9	28	27.3	33.4	24.4	95	98	73	68	85	87	.5
10	58.63	58.34	58.82	56.82	57.09	58.95	25.8	26.6	30.6	32.6	29.5	27.1	33.2	25.4	93	90	68	65	75	87	------
11	58.53	58.42	58.90	56.95	57.38	59.10	24.9	24.6	31.4	32.5	30	27.4	33.4	24.1	94	95	68	66	71	81	------
12	58.31	58.90	59.14	56.97	56.68	58.14	25.4	24.7	31.4	32.5	30.5	27.1	33.4	24.3	92	96	68	67	71	90	29.2
13	57.25	57.35	56.35	55.28	54.40	55.13	25.2	25	29.4	30.1	28.5	26.7	31.4	24.5	96	97	80	79	84	89	12.2
14	52.82	52.72	51.84	49.70	49.60	49.64	26.6	24.6	24.4	24	21.8	22.2	27.7	20.4	96	91	95	97	94	93	173.7
15	48.37	49.31	49.80	51.10	51.26	52.36	22.5	23.1	23.5	23.8	24.2	24.5	24.9	20.5	99	98	98	96	93	94	94.6
16	52	52.36	53.72	53.50	53.68	55.38	24.1	24.1	26	24.2	23.5	23.5	26.3	23	96	97	88	97	98	99	173.4
17	54.42	54.54	55.54	55.02	54.59	56.56	23.6	23.2	23.6	24	24.2	23.6	24.8	22.7	98	98	99	97	98	99	204.4
18	55.04	55.74	56.44	55.89	55.12	56.51	23.3	23.5	23.6	25.2	25	24	25.6	22.9	99	99	99	96	97	97	30.8
19	55.67	55.77	56.27	54.55	55.07	56.56	23.7	23.6	26.4	29.6	26.4	25.4	29.9	23.2	98	98	89	78	91	97	------
20	55.67	55.46	56.01	54.63	55.08	56.18	24.5	24	29.8	25.9	24	24	30.3	23.4	97	97	79	90	97	97	3.4
21	55.19	54.34	54.76	53.68	53.74	55.15	23.6	23.7	27.5	25.5	24.7	24.7	28.9	23	98	97	85	92	96	95	10.8
22	53.54	53.54	53.82	51.78	51.79	53.03	24.2	23.8	27.2	27.1	25	24.3	28.4	23.5	98	98	91	91	99	97	22.7
23	51.98	51.94	53.39	52.19	52.06	53.46	23.9	23.8	24.1	24.5	23.5	23.8	25.1	23.1	98	99	98	99	99	98	183.9
24	51.71	51.41	52.49	51.22	51.27	52.53	23.8	23.9	25	25.4	25.6	24.9	25.9	23.4	99	99	98	98	98	98	68.9
25	50.99	51.59	52.88	51.42	51.87	53.67	24.8	24.4	25.4	27	26	25	28.4	23.5	98	96	98	90	96	98	39.4
26	53	53.18	54.14	53.40	53.70	56.31	24.7	24.6	25.8	28.2	26.7	24.4	29.1	24.1	99	99	98	87	96	98	28.1
27	55.70	56.01	57.14	56.32	56.54	58.32	24.2	24.5	28	28.8	26.9	26.5	31.2	23.3	99	99	87	84	90	86	.8
28	57.61	57.65	57.96	56.24	57.05	58.39	25.4	25.3	29.7	30.4	27.4	25.8	31.6	24.6	98	98	80	81	94	98	4.5
29	57.47	57.03	57.15	55.63	55.48	57.45	24.8	24.1	27.6	30.9	29.2	24	31.6	23.5	98	99	87	75	82	98	72.1
30	56.73	56.20	56.58	55.24	55.07	56.70	24.3	24.5	28.5	31.2	27.6	25.5	32.1	23.9	99	98	84	72	91	98	13.2
31	55.90	55.22	55.73	54.49	54.24	54.41	25.2	25.8	27.9	26.8	26.2	25.3	29.2	24.8	98	94	82	91	94	98	25.7
Mean	55.35	55.41	55.94	54.72	54.86	56.29	24.7	24.3	27.9	28.8	26.6	25.4	30.4	23.5	96.3	96.8	83.5	81	88.5	93.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	1,300.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	W	Calm	NW	NW	W	W	48.6	83.2	111.8	78.5	322.1	10	------	S.-Cu. NW	10	A.-Cu.	S.-Cu. N
2	S	SE	SE	SE	SE	SE	86.4	191.6	152.9	169	599.9	10	------	N. SE	10	------	N. SE
3	SE	SE	SE	SSE	SE	SE	135.7	125	89.6	60.6	410.9	10	------	N. S	9	A.-Cu.	S.-Cu. S
4	SE	S	SE	SE	S	Calm	61.7	68.2	78.3	45.6	253.8	9	A.-Cu.	S.-Cu.	9	A.-Cu.	Cu.-N.
5	SE	SE	SE	NW	E	Calm	41.3	50.4	68.4	25.2	185.3	9	A.-Cu.	S.-Cu.	9	A.-Cu.	S.-Cu.
6	E	Calm	SE	NNW	N	N	27	37.2	69.5	51.8	185.5	2	A.-Cu.	Cu.	4	A.-Cu.	Fr.-Cu.
7	NW	N	SSW	NW	NW	E	31.2	39.9	99.5	47.6	218.2	4	A.-Cu.	S.-Cu.	4	Ci.	Cu.
8	Calm	E	SE	SE	NW	NW	20.9	48	95.8	72.2	236.9	2	Ci.	Cu.	5	A.-Cu.	Cu.
9	NE	NE	Calm	NW	NW	N	40.2	37.8	95.5	65	238.5	5	Ci.	S.-Cu.	8	A.-Cu.	Cu.-N.
10	NW	NW	Calm	NW	W	NW	42.6	35.9	89	34.3	201.8	10	A.-Cu.	S.-Cu. W	5	A.-Cu.	Cu.
11	Calm	Calm	Calm	NW	NW	W	35.2	43.2	97.4	38.6	214.4	7	Ci.	S.-Cu.	8	A.-Cu.	Cu.
12	SW	Calm	W	NW	NW	W	33	39.1	91.7	63.3	227.1	3	Ci.	Cu.	6	Ci.-S.	Cu.
13	Calm	E	NW	NW	NW	NW	22.5	67.1	141.8	143.2	374.6	10	------	S.-Cu. NNW	9	A.-Cu.	Cu.-N.
14	W	NW	WSW	WSW	SW	WSW	149.5	148.3	212.2	226.3	736.3	10	------	N. NNW	10	------	N. W
15	SW	SW	SW	SW	W	W	154.3	162	133.3	119.3	568.9	10	------	N. WSW	10	------	N. WSW
16	SW	W	SW	NW	SW	W	88.5	85.8	67.8	53.7	295.8	10	------	N. WSW	10	------	N. W
17	E	SW	ESE	E	SE	SE	52.3	70.5	47.5	52.4	222.7	10	------	N. SW	10	------	N. SW
18	SE	SE	SE	SE	Calm	SE	59.8	38.8	28.7	33	160.3	10	------	N.	10	------	N. SE
19	S	SE	SE	SE	SW	Calm	41.6	81.4	58.7	24.7	206.4	10	------	S.-Cu. SE	10	A.-Cu.	Cu.-N. SE
20	SE	SE	SE	SE	SE	SE	52.8	83.4	105.7	114.5	356.4	9	A.-Cu.	S.-Cu. SE	10	------	N. S
21	SE	SE	SE	SE	E	SE	78.9	93.9	68.7	74.5	316	9	A.-Cu.	N. SE	10	A.-Cu.	N.
22	SE	SE	SE	SE	S	SE	80.3	69.4	69.2	77.2	296.1	10	------	N. SSW	10	A.-Cu.	N. SSW
23	SE	SE	SW	SSE	E	SE	82.1	86.9	59.3	72.1	300.4	10	------	N.	10	------	N.
24	SE	SE	SE	ESE	E	SE	91	96.1	72.9	64.2	324.2	10	------	N.	10	------	N. SW
25	E	Calm	SE	E	N	S	69.5	45.9	36.7	41.1	193.2	10	------	N. SW	10	A.-Cu.	N. SW
26	SE	SE	E	Calm	Calm	Calm	51.3	48.5	36.3	37.2	173.3	10	------	N. SW	10	A.-Cu.	N. SW
27	SE	Calm	SE	SW	Calm	Calm	44.4	61.8	47.6	22.2	176	10	------	S.-Cu. SW	10	A.-Cu.	S.-Cu.
28	Calm	E	SE	NW	N	Calm	25	63.9	68.7	29.8	187.4	9	------	S.-Cu.	7	Ci.-S.	Cu.
29	SE	SE	S	NW	NW	Calm	39.2	41	79.2	48.9	208.3	7	Ci.	S.-Cu.	6	Ci.	Cu.
30	Calm	W	NE	NW	NW	NE	21.4	33.3	77	73.8	205.5	6	Ci.	S.-Cu.	9	A.-Cu.	Cu.
31	Calm	NW	NW	WNW	W	Calm	29.6	48.9	61.7	32	172.2	10	------	N.	10	------	N. NW
Mean	------	------	------	------	------	------	59.3	71.8	84.3	67.5	282.9	8.4	------	------	8.6	------	------
Total	------	------	------	------	------	------	------	------	------	------	8,768.4	----	------	------	----	------	------

DAGUPAN.

[$\phi = 16°\ 03'$ N; $\lambda = 120°\ 20'$ E; barometer above sea, 2.7 meters; gravity correction not applied, —1.67 mm.]

AUGUST, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	53.76	53.31	53.90	52.66	53.63	54.83	25.1	23.8	24.6	24.2	24.1	23.6	25.6	23.3	99	98	97	98	98	98	87.1
2	54.13	54.72	54.87	53.66	54.21	56.26	23	23	27.6	29	27.1	24	31.2	22.7	99	99	86	85	87	99	24.7
3	54.90	54.86	56.15	54.19	54.50	56.52	23.8	24.5	25.8	29	26.9	25.6	29.4	23.5	99	99	98	87	93	97	17.4
4	55.60	55.56	56.14	54.90	54.69	56.72	25	24.7	29.4	30.6	27	26	31.4	24.4	97	97	79	73	92	94	1.8
5	55.92	55.87	56.24	55.28	55.88	58	25.7	25.4	30	32.3	28.3	27	33.4	25	96	97	75	63	75	84	------
6	56.96	57.22	58.30	56.42	56.47	58.11	25.8	25.3	29.9	32.2	30.1	26.6	33.4	24.8	93	93	75	63	68	84	------
7	57.30	57.65	58.03	56.92	56.79	57.73	25.9	25.4	29.6	31.5	30.1	26.6	32.7	24.9	89	93	74	68	68	83	------
8	56.89	56.24	56.48	55.14	54.89	55.79	25.9	26.8	29.8	30.9	28.7	27.5	31.4	25.4	88	85	77	71	76	81	.8
9	55.06	54.63	54.75	52.87	53.05	54.36	26.8	27	29.6	29.6	28.1	27	31.1	25.8	90	90	74	75	81	86	1.1
10	53.41	53.24	53.68	52.29	52.85	53.88	26.5	26.1	28.4	28.2	25.9	25.4	31.4	24.8	91	94	84	85	86	93	2.9
11	53.37	53.24	54.18	53.03	53.49	55.24	24.7	24.5	29.6	32.7	28.9	27.5	33.4	24	96	97	77	65	77	85	2.5
12	54.33	54.51	55.25	54.25	54.13	55.80	25.7	25.4	28	29.9	28.4	26.1	31.3	25	96	95	91	79	79	92	40
13	55.21	54.75	55.20	53.66	53.66	54.90	24.8	24.2	25.6	25.6	25.5	24.5	28.8	23.9	97	97	95	93	96	97	131.2
14	53.77	54.08	54.79	54.17	54.60	57.46	24	24.3	28.5	29.7	27	23.9	32.2	23.4	98	97	85	77	89	97	47.7
15	56.52	56.77	58	57.38	57.30	59	23.8	24.1	26.6	28.2	27.1	25.8	28.7	23.5	97	97	90	81	78	93	9.4
16	58.30	58.69	59.19	57.68	57.88	59.29	24.9	24.2	28.9	31.5	28.6	26.7	32.8	23.9	94	95	78	68	77	83	5.3
17	58.16	58.38	58.56	57.56	57.41	58.72	25.6	25	30.4	24.6	26.4	25.3	32.2	24.3	92	95	74	92	86	90	17.8
18	57.30	56.76	57.40	55.68	55.51	57.65	24	23.6	27.4	27.9	26.4	23.6	29.2	22.8	97	98	83	80	86	97	10.7
19	56.32	56.02	56.53	55.23	55.96	57.42	23	23.1	29	25.5	25.6	24.4	30.6	22.6	96	97	76	93	88	93	3.8
20	56.43	56.56	57	55.51	56.41	57.75	24	23.6	27.9	25.7	24.1	23.6	31.5	23	94	97	81	89	95	98	9.7
21	57.09	56.57	57.04	55.15	55.51	57.47	23.2	23	29	31	26.8	25	32.7	22.7	99	98	76	67	83	91	3.6
22	56.71	56.32	56.80	55.22	55.36	57.46	24	23.3	30	32.5	28	24.6	33.9	23	93	95	72	55	72	92	.3
23	56.60	55.77	56.75	55.08	55.64	57 30	24.1	24.2	30.6	34	28.2	26.9	34.6	23.6	94	95	74	52	77	85	------
24	56.28	56.20	56.78	54.55	54.79	56.40	26.4	26.2	28.5	28	25.7	24.7	29.9	23.5	88	89	78	79	94	94	55.6
25	54.53	53.79	53.62	51.87	51.72	52.93	24.7	24.4	25.2	26	25.6	25.1	26.2	24	92	97	93	90	92	94	31.3
26	50.77	51.58	52.27	51.54	52.97	54.27	26.4	26.6	28.6	30.6	24.5	24.6	31.4	23.9	87	88	78	72	95	95	16.8
27	54.20	54.73	53.44	54.57	54.97	56.91	24.2	23.8	28.5	31.5	28.6	26.6	32.4	23.2	93	97	83	66	76	84	------
28	56.72	57.17	57.79	56.62	56.74	57.69	26	25.2	28.8	31.8	26.9	26.8	32.2	25	91	95	80	69	88	89	2.7
29	57	56.82	57.56	55.90	56.11	56.56	26	25.5	29	28.4	26.3	26	30	25	94	94	81	85	91	90	7.9
30	55.57	55.50	56.47	55.40	55.83	56.18	26.5	26.8	30	26.8	25.5	24.6	31.2	24	91	90	78	90	88	97	2.6
31	55.27	55.17	55.87	54.27	55.23	56.30	24.2	23.5	30.2	29.9	26.3	24.6	32.6	22.6	97	99	74	79	93	97	48.5
Mean	55.63	55.57	56.16	54.80	55.10	56.61	25	24.7	28.5	29.3	27	25.5	31.3	23.9	94.1	95.1	81.2	77.1	84.6	91.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	583.2

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	W	Calm	Calm	Calm	Calm	47	19.3	23.8	27.7	117.8	10	------	N. NW	10	------	N. W
2	E	E	SE	SSE	SW	N	47.2	91.7	56.9	59.3	255.1	10	------	N. SW	10	------	N. SW
3	SE	SE	SE	SE	Calm	E	45.3	56.9	37.8	36.3	176.3	10	------	N.	10	------	N. SW
4	SE	SE	E	SW	Calm	SE	60.8	71.7	68.5	52.3	253.3	8	Ci.-S.	N. SW	9	A.-Cu.	S.-Cu. SW
5	SE	SE	ESE	E	NW	Calm	53.1	67.6	51.2	40.7	212.6	10	------	N. SW	9	Ci.	Fr.-Cu.
6	SE	SE	SE	Calm	W	Calm	35.1	61.8	55.2	33.1	185.2	9	Ci.-S.	S.-Cu.	9	A.-Cu.	Fr.-Cu.
7	E	Calm	E	NNW	W	W	32.4	40.2	77.4	42.3	192.3	9	Ci.-S.	S.-Cu. W	6	A.-Cu.	Fr.-Cu.
8	Calm	NW	NW	WNW	W	NW	29.3	64.7	145.7	91.7	331.4	9	------	S.-Cu. WNW	6	Ci.-S.	Cu.-N. NW
9	W	W	W	W	W	W	43.8	109.4	141.6	54	348.8	10	A.-Cu.	S.-Cu. W	10	A.-Cu.	Cu.-N.
10	W	Calm	W	NW	W	SE	46.4	50.7	100.3	42.3	239.7	10	------	N. WNW	10	A.-Cu.	N.
11	SE	SE	Calm	WSW	W	SW	44.6	32.2	100.7	45.4	222.9	10	------	S.-Cu. W	9	A.-Cu.	Fr.-Cu. W
12	Calm	S	S	NW	SW	S	31.9	33	43.1	43.1	151.1	10	------	N. SW	10	A.-Cu.	N. WSW
13	W	E	SE	S	SE	E	43.8	50.4	52.9	65.5	212.6	10	------	N.	10	------	N. WSW
14	SE	SE	SE	WSW	W	SE	48.8	52.1	61.8	57.7	220.4	10	------	N. SW	19	------	N. WSW
15	Calm	SE	SE	WSW	W	SW	43.8	51.3	47.8	29.3	172.2	10	------	N.	10	------	N. SW
16	SE	SE	ESE	N	N	Calm	49.6	66.5	46	32.4	194.5	10	------	N. SW	9	Ci.-S.	Fr.-Cu.
17	SE	SE	SE	SW	S	NW	41.3	46.5	66.9	39.1	193.8	9	A.-Cu.	S.-Cu. SW	10	------	N.
18	NW	Calm	Calm	NW	Calm	N	27.4	33.3	41.3	41.1	143.1	8	A.-Cu.	S.-Cu.	10	A.-Cu.	S.-Cu. WNW
19	E	Calm	E	S	S	S	36.5	56.5	44.8	32.2	170	9	A.-Cu.	S.-Cu.	10	------	N.
20	S	SE	SE	SW	E	SE	34.4	53.1	63.4	44	194.9	10	------	S.-Cu.	10	------	N.
21	SE	SE	SE	SE	SW	E	57.6	93.8	93.1	50.1	294.6	4	Ci.	S.-Cu.	7	Ci.-S.	Fr.-Cu. SE
22	SE	S	SE	SE	SW	NE	68.1	86.4	85	42.1	281.6	2	Ci.	S.-Cu.	6	------	Fr.-Cu. SE
23	NE	SE	SE	S	N	NW	34.9	74.9	84.8	91.5	286.1	9	A.-Cu.	S.-Cu. SE	8	Ci.-S.	Fr.-Cu. SE
24	NW	W	NW	NW	NW	WNW	90.3	86.7	97.7	102.7	377.4	9	A.-Cu.	S.-Cu.	10	------	N.
25	WNW	WNW	WNW	WNW	WNW	W	139.2	199.7	186.7	167.9	693.5	10	------	N. NW	10	------	N. NW
26	W	W	WSW	W	SW	SE	155	117.8	118.3	31.1	422.2	10	------	N. WNW	10	A.-Cu.	S.-Cu. WNW
27	Calm	SE	SE	ESE	W	Calm	32.8	46.7	48.6	41.6	169.7	9	A.-Cu.	S.-Cu.	9	A.-Cu.	s.-cu. WSW
28	SE	Calm	SE	W	W	Calm	23.8	32.4	80.3	29.3	165.8	9	A.-Cu.	S.-Cu. SW	9	A.-Cu.	S.-Cu. SW
29	Calm	Calm	SW	Calm	WNW	W	29.5	41.8	66.9	42.9	181.1	6	A.-Cu.	S.-Cu.	9	A.-Cu.	S.-Cu.
30	W	WNW	NW	WSW	S	Calm	83.7	84.2	68.2	32.8	268.9	9	A.-Cu.	S.-Cu. W	10	------	N. W
31	Calm	S	WSW	WSW	W	N	31.7	60.8	100.9	52.1	245.5	9	A.-Cu.	N. WSW	10	------	N. WSW
Mean	------	------	------	------	------	------	51.3	65.6	76.1	51.4	244.3	8.9	------	------	9.2	------	------
Total	------	------	------	------	------	------	------	------	------	------	7,574.4	----	------	------	----	------	------

DAGUPAN.

[$\phi = 16°\ 03'$ N; $\lambda = 120°\ 20'$ E; barometer above sea, 2.7 meters; gravity correction not applied, —1.67 mm.]

SEPTEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	55.90	55.78	57.37	56.47	56.86	58.56	24.2	24.4	25.2	26.4	26.6	25.3	27.4	23.9	98	98	97	95	92	98	13.8
2	57.60	57.81	58.31	56.67	56.63	58.10	24.7	24.5	28.1	31.8	28.8	26.7	32.7	24.2	97	97	85	69	74	83	------
3	57.30	57.83	58.10	56.14	57.04	58.38	25.2	24.5	30.4	32.4	29	26.5	33.4	24.2	90	94	72	64	74	80	------
4	58.02	57.99	58.38	57.44	57.27	58.92	25.3	24.7	29.6	30.6	28.5	26.1	32.7	24.4	91	95	75	69	81	92	5.3
5	58.01	57.81	58.89	57.01	57.25	58.66	25.2	24.4	29.8	32.2	27.4	26.1	33.1	24.2	93	94	77	65	89	89	10.4
6	57.47	57.65	58.85	57.42	57.42	58.87	25	24.8	30.3	31.2	29.1	27.5	33.1	24.4	97	97	74	66	74	85	------
7	58.78	58.52	59.16	57.38	58.58	59.20	27.1	25	31.1	32	28.1	27.1	33.8	24.6	87	96	73	64	77	83	------
8	58.58	58.05	58.54	56.51	56.65	58.29	25.8	25	31.5	34.1	28.8	27.4	34.9	24.5	90	95	69	58	78	87	------
9	57.70	57.62	58.19	56.10	56.53	58.60	25.3	24.4	31.8	33	29.4	27	35.2	24.2	96	97	66	62	76	90	------
10	58.36	58.62	59.24	57.62	57.48	58.98	25.2	24.1	31.7	33.1	29.9	27.2	34.6	23.9	96	96	64	58	67	86	------
11	58.60	58.85	60.10	58.16	57.87	59.60	26.4	25	30.6	31.6	29.4	26.8	33.3	24.8	89	91	69	71	79	86	------
12	58.70	58.96	59.14	56.93	56.87	58.89	25.3	24	31.6	33.2	29.6	26.4	34.6	23.8	96	97	63	60	74	87	------
13	58.11	58.12	58.38	55.68	56.38	57.94	25.4	24.5	31.8	33.5	29.5	26.3	34.6	24.2	93	96	66	55	75	86	------
14	57.10	57.38	57.61	55.48	56.13	57.23	25.2	24.3	31.6	32.8	27.8	27.4	33.9	24	93	96	65	62	79	85	2
15	56.39	56.36	56.88	55.07	55.07	55.81	25.2	24.2	29.7	31.1	28.3	28.1	31.8	23.8	94	95	73	62	73	77	------
16	54.50	54.67	55.18	53.53	53.60	54.11	25.8	24.5	27.6	27.4	26.1	26	29.9	24.2	92	95	89	89	94	97	73.1
17	53.33	53.27	54.86	52.73	53.33	54.56	27	27	27.6	27	24.5	24	28	23.5	90	87	85	86	95	96	14.3
18	53.65	54.24	54.66	53.97	54.66	56.52	24.2	24.5	28	29.7	27.2	25.1	31.3	23.7	95	96	82	74	84	92	1.5
19	55.41	55.28	56.55	54.97	55.61	58.09	23.9	23.4	29.4	29.2	26.8	25	33.2	23.2	95	97	76	76	86	93	------
20	57.33	57.42	58.31	56.38	57.29	59.08	24.3	24	29.4	32.4	27	25.5	33.3	23.5	96	97	76	69	87	95	------
21	58.37	58.48	58.76	56.43	56.88	58.45	24.5	24.2	29.6	29.3	27.3	25.6	32.7	23.7	97	97	79	74	83	93	3.1
22	57.15	56.60	56.89	55.18	56.30	57.67	24.5	24	30.6	30.5	26.4	25.2	33.1	23.8	97	97	76	71	90	96	3.5
23	56.90	56.68	58.02	55.91	56.63	58.90	24.8	24	31.8	34.2	29.5	23.7	34.9	23.5	97	97	65	57	79	94	16.3
24	58.53	58.65	59.15	57.13	57.12	58.60	23.4	23.6	30.2	31.1	28.2	27.7	32.1	22.7	95	97	74	71	80	87	.8
25	58.11	58.11	58.17	56.03	56.15	57.06	25.2	24.7	30.9	31.7	28.4	28	32.6	24.5	96	97	74	71	80	85	------
26	55.33	54.87	55.27	53.02	52.33	52	27.3	25.4	29.1	30.6	28.7	28.4	31.8	25.1	90	95	81	76	89	88	3.4
27	50.26	49.60	49.57	46.36	45.90	46.95	27.2	27.7	25.5	25.2	24.7	24.6	28.3	23.5	94	90	97	93	97	97	179.2
28	46.17	48	51.74	50.74	51.56	52.89	24	24.3	23.3	24.2	23.4	23.8	24.9	22.5	97	93	98	92	97	98	91.4
29	52.31	53.44	54.31	53.13	54.09	55.63	24	24	25.6	26.2	23.8	23.3	26.9	22	97	97	94	90	97	99	68.9
30	55.29	55.37	56.45	55.62	55.92	56.93	22.7	22.4	23	23	23	22.7	24.1	21.9	98	99	99	97	97	98	62.5
Mean	56.31	56.48	57.17	55.37	55.71	57.12	25.1	24.5	29.2	30.4	27.5	26	31.9	23.8	94.2	95.5	77.8	72.2	83.2	90.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	549.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	NE	SE	SE	SE	Calm	34.4	43.5	35.9	21.8	135.6	10	Ci.	N. WSW	10	------	N. WSW
2	SE	SE	SE	W	W	W	37.8	47.2	54.1	52.8	191.9	9	A.-Cu.	S.-Cu. SW	8	Ci.-S.	Fr.-Cu.
3	SW	S	SE	NW	W	Calm	33	67.9	59.5	48	208.4	5	Ci.	S.-Cu.	7	------	Fr.-Cu.
4	S	SE	SE	W	Calm	Calm	36.2	64.6	40.8	27	168.6	2	Ci.	S.-Cu.	10	------	N.
5	Calm	SE	SE	SE	Calm	W	33.3	60.6	47.3	36.8	178	10	------	S.-Cu. SW	8	Ci.-S.	Fr.-Cu.
6	S	SE	SE	N	W	W	29.6	60.1	52	46	187.7	4	Ci.	S.-Cu.	7	Ci.-S.	S.-Cu.
7	NW	Calm	S	NW	NW	NW	33.6	36.3	106.5	71.8	248.2	1	Ci.	Cu.	6	------	Fr.-Cu.
8	NE	SE	SSE	SSW	NW	N	40.2	65	75.8	61.2	242.2	9	Ci.	S.-Cu. SE	4	Ci.	Cu.
9	E	E	SE	NE	N	W	34.3	61.8	59.8	30.4	186.3	2	------	S.-Cu. SE	8	Ci.-S.	Fr.-Cu.
10	S	Calm	SE	NW	NE	N	32.2	37.8	53.4	36	159.4	1	------	Cu.	2	------	Cu.
11	Calm	NE	SE	SE	Calm	SE	26	40.2	29.3	47	142.5	9	A.-Cu.	S.-Cu.	9	A.-Cu.	S.-Cu.
12	SE	SE	SE	NW	NW	SE	48.3	44.6	62.3	41.6	196.8	5	------	S.-Cu.	6	Ci.-S.	Cu.
13	Calm	Calm	SSE	NW	N	SE	19.1	35.1	64.7	44.6	163.5	1	------	S.-Cu.	5	------	Cu.
14	SE	Calm	SE	NW	W	Calm	31.7	37.5	78.1	46.7	194	4	Ci.	S.-Cu.	6	Ci.	Cu.
15	SE	SE	Calm	NW	NW	NW	29.3	38.4	100.6	59.3	227.6	9	Ci.-S.	S.-Cu.	9	A.-Cu.	Cu.
16	N	E	NW	NW	NW	W	39.2	49.1	129.3	109.7	327.3	10	A.-Cu.	S.-Cu.	10	------	N. NW
17	W	W	W	SW	S	SE	123.4	81	58.1	57.1	319.6	10	A.-Cu.	N.	10	A.-Cu.	N.
18	SE	SE	SE	SE	SE	SE	66.5	101.2	80.7	81	329.4	10	------	N. SE	10	A.-Cu.	s.-cu. ssw
19	SE	SE	SE	S	Calm	SE	52.3	74.2	63.1	61	250.6	9	------	S.-Cu. SE	10	A.-Cu.	N.
20	SE	SE	SE	NW	Calm	Calm	46.5	62.1	56.6	33.6	198.8	9	A.-Cu.	S.-Cu. SE	8	Ci.-S.	Cu.-N.
21	SE	SE	SSW	NW	NNW	ESE	48.8	43.5	80.3	59.7	232.3	10	------	S.	8	A.-Cu.	Cu.
22	SE	SE	SE	NNW	NE	Calm	41.8	38.1	48.8	27.9	156.6	10	A.-Cu.	S.-Cu. SE	9	A.-Cu.	N. SE
23	SE	SE	SSE	S	N	SW	36.7	78.1	67.3	45.7	227.8	2	Ci.-S.	S.-Cu.	5	Ci.-S.	Fr.-Cu.
24	Calm	S	Calm	NW	NW	NW	21.4	31.9	85.5	60.6	199.4	9	Ci.	S.-Cu. SE	5	Ci.-S.	Cu.
25	Calm	Calm	Calm	SW	NW	NW	29.9	41.8	90.1	83.2	245	5	Ci.	S.-Cu.	4	Ci.	Cu.
26	W	Calm	W	WNW	NW	NW	33.8	40.2	140.2	189.9	404.1	9	A.-Cu.	S.-Cu. NW	9	A.-Cu.	Cu.
27	NW	NW	NW	W	WSW	SW	246.2	291.3	283	255.3	1,075.8	10	------	N. NW	10	------	N. WNW
28	SW	SW	SW	SE	SE	SE	239	155.9	75.4	82.9	553.2	10	------	N. WSW	10	------	N. SW
29	SE	SE	SE	SE	SE	SE	92	103	124.4	114.5	433.9	10	------	N. SW	10	A.-Cu.	N. SW
30	S	SE	ESE	SE	SE	ESE	99.3	114.8	123.7	90.7	428.5	10	------	N. SW	10	------	N. SE
Mean	------	------	------	------	------	------	57.2	68.2	80.9	67.5	273.8	7.1	------	------	7.8	------	------
Total	------	------	------	------	------	------	------	------	------	------	8,213	------	------	------	------	------	------

DAGUPAN.

[$\phi = 16°\ 03'$ N; $\lambda = 120°\ 20'$ E; barometer above sea, 2.7 meters; gravity correction not applied, −1.67 mm.]

OCTOBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	56.27	56.64	57.53	56.03	57.81	59.36	22.5	23	25.5	27.5	23.3	23.1	28.1	22.1	98	99	95	92	96	98	30.1
2	58.33	59.30	60.28	58.60	59.19	60.69	22.9	23	28.6	31.5	28	26.4	32.5	22.3	97	97	80	72	89	97	------
3	59.73	60.10	60.87	58.99	59.35	60.29	24.6	24.2	29.6	31.6	27.6	27.1	32.4	24	98	98	78	72	88	91	------
4	59.18	59.12	59.97	57.72	58	59.73	25.4	24.7	29.1	30.6	27.7	27.2	31.2	24.2	95	97	81	74	84	87	------
5	59	58.96	59.73	57.75	58.36	59.28	26.8	24.8	29.5	30.4	27.7	27.4	31.4	24.4	89	98	72	73	81	87	------
6	58.46	58.43	59.91	57.57	58.72	60.36	25.9	24.8	31.1	33	28.5	25.1	33.8	23.8	93	98	71	63	75	91	------
7	59.26	59.39	60.70	58.48	59.28	60.79	23.7	23.2	30.7	33.5	28.5	26.9	34.4	23	96	97	74	65	82	91	------
8	59.94	60.50	61.61	59.41	59.89	61.32	26	24.5	30.8	31.4	28.4	27.4	32.4	24.3	94	97	74	68	78	86	------
9	60.91	61.16	61.59	59.26	59.26	60.37	25.1	23.7	31.2	33.8	28.7	27.9	34.6	23.4	92	97	66	58	77	82	------
10	59.68	60.03	61.11	58.85	58.67	60.04	26	24.5	31.6	33.2	28.8	27.2	34.6	24.1	90	96	60	59	75	90	------
11	59.20	59.30	59.96	57.52	58.28	59.64	26	24.2	32	33.7	29	26.3	35.2	23.9	92	95	65	63	78	90	------
12	59.06	58.90	59.74	57.45	58.30	59.27	25.5	24.5	31.5	34.2	28.6	28.3	34.6	24.3	93	97	70	61	83	82	------
13	59.10	59.30	59.86	57.22	57.94	59.68	26.3	25.1	31.6	33.9	29	27.4	34.2	24.9	92	98	69	62	82	90	------
14	58.35	58.81	59.87	57.60	58.17	59.85	25.9	25.3	31.4	32.1	28	26.6	33.4	24.9	94	96	73	71	85	94	------
15	58.69	59.35	60.02	57.47	58.40	60.23	24.5	23.4	30.5	32.5	28	25.9	34.1	23.2	95	98	72	68	86	93	------
16	59.38	59.50	60.04	57.33	59.04	60.45	24.7	24.3	31.5	31.5	24.4	24.5	34.6	24	97	98	72	70	99	99	32
17	59.58	60.15	60.73	58.25	59.40	60.91	24.2	24.1	30	30.7	25.6	25	32.6	23.8	99	99	79	72	96	97	3.8
18	60.50	61.02	61.93	59.68	60.50	61.79	23.9	22.9	30.6	32.1	27.5	25.4	34	22.6	97	97	73	71	84	87	------
19	60.63	60.95	61.28	58.73	59.05	60.85	23.6	22.6	30.8	33.1	28.2	24.9	33.9	22.3	90	91	69	60	82	89	------
20	60.01	59.85	60.72	58.25	58.83	60.90	23.8	22.8	31.1	33.5	28.4	24.6	34	22.3	91	90	66	57	80	85	------
21	60.03	60.17	61.11	58.68	59.36	61.34	23.5	22.9	30.2	32.7	28.7	25.1	33.7	22.6	90	92	73	61	74	84	------
22	60.83	61.19	62.15	60.44	60.52	61.64	23.4	21.6	30.6	31.6	27	24.7	32.2	21.4	91	97	72	63	86	98	------
23	61.36	61.76	62.70	60.26	60.40	61.68	23	22	28.9	30.6	27.3	25.4	31.7	21.8	97	98	78	69	82	93	------
24	61.21	61.74	62.22	59.64	59.99	61.73	23.7	23.1	30.1	32.8	27.7	24.1	33.9	22.8	97	98	76	65	88	99	32
25	61.10	61.67	62.42	59.81	60.34	61.80	23.5	23.2	29.5	33	27	24.6	33.5	22.9	98	98	77	67	95	99	39.6
26	61.20	61.53	62.58	60.08	60.67	62.12	24	23.6	30	31.4	27.6	27.3	32.2	23.4	98	97	73	70	86	89	------
27	61.45	61.79	62.59	60.17	60.59	62.08	25.2	23.5	30.9	32.8	27.8	27	33.6	23.2	93	96	69	60	77	87	------
28	61.50	62.25	63.13	60.70	61.05	62.47	23.7	22.4	29.4	32.6	27.6	25.8	33.4	22.1	97	98	76	64	81	90	------
29	61.61	61.91	62.78	60.47	60.84	62.07	23.8	22.4	31.2	32.6	28.4	26	33.6	22.1	95	97	64	58	76	89	------
30	61.41	61.81	62.63	60.35	60.60	61.72	23.9	22.5	31.1	33.1	28.2	25.5	34.4	22.3	93	97	67	58	76	85	------
31	60.83	60.97	61.84	59.33	59.74	61.37	23.6	23.4	31	31.6	28.2	27.7	33.4	22.5	90	88	64	60	70	76	------
Mean	59.93	60.24	61.08	58.78	59.37	60.83	24.5	23.6	30.4	32.2	27.7	26.1	33.3	23.2	94.2	96.4	72.5	66	82.9	90.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	137.5

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SE	SE	SE	SE	S	S	87.5	78.3	46.5	37.5	249.8	10	----------	N. SW	10	----------	N. SW
2	S	SE	SE	SE	Calm	Calm	47	73.8	38.8	12.2	171.8	9	Ci.	S.-Cu.	9	A.-Cu.	Fr.-Cu.
3	Calm	Calm	SE	NW	NNW	NW	16.7	29.2	82.3	65.7	193.9	5	Ci.	S.-Cu.	4	Ci.	Cu.
4	NE	Calm	NW	NW	NW	NW	28	35.6	85.5	81.4	230.5	2	----------	S.-Cu.	4	Ci.-S.	Cu.
5	NW	Calm	NW	NW	NW	NW	36.2	36.5	104.3	94.2	271.2	7	Ci.	S.-Cu.	7	Ci.-S.	Cu.
6	N	Calm	SE	W	NW	SE	34.3	42.4	62.6	65.7	205	9	Ci.	S.-Cu. SE	8	Ci.	Cu.
7	SE	SE	SE	S	NW	Calm	43.5	47.8	62.3	30	183.6	6	A.-Cu.	S.-Cu.	4	Ci.-S.	Cu.
8	Calm	E	SW	NW	NW	N	23	37	76.4	55.5	191.9	2	Ci.	Cu.	4	Ci.-S.	Cu.
9	Calm	Calm	SE	SW	N	NW	26.6	32.8	49.2	49.3	157.9	1	Ci.	Cu.	2	Ci.-S.	Cu.
10	Calm	W	SE	N	NNW	Calm	28.8	45.6	60.8	36.3	171.5	6	Ci.	Cu.	4	Ci.	Fr.-Cu.
11	E	E	S	WNW	NW	SW	33	51	66.3	58.4	208.7	1	Ci.	Cu.	3	Ci.	Cu.
12	Calm	SE	SE	S	NW	NW	36.8	45.3	78.9	78.6	239.6	9	Ci.	S.	8	A.-Cu.	Fr.-Cu. SE
13	N	NE	E	SW	N	E	34	42.1	54.7	37.3	168.1	8	A.-Cu.	S.-Cu.	6	A.-Cu.	Cu. E
14	SE	Calm	SSE	NW	NW	NE	32.4	38.6	81.9	52.8	205.7	9	----------	S.-Cu. SE	4	Ci.	Cu.-N.
15	SE	SE	SE	NW	N	ESE	42.1	53.9	74.5	34.3	204.8	2	A.-Cu.	S.-Cu.	5	----------	Cu.-N.
16	E	SE	SSE	NW	NE	Calm	28.3	53.4	60	20.2	161.9	2	Ci.	S.-Cu.	8	Ci.-Cu.	Cu.-N.
17	E	E	SE	N	SE	S	26.3	39.5	81.1	51.3	198.2	9	A.-Cu.	S.-Cu. SE	5	----------	Cu.
18	SE	SE	SE	SSE	N	S	56.1	56.1	57.9	65.3	235.4	2	Ci.	S.-Cu.	9	A.-Cu.	Cu.
19	S	SE	S	SE	N	SSE	48.8	55	52.8	65.8	222.4	1	Ci.	Cu.	2	Ci.	Cu.
20	S	S	SSE	SSW	N	S	68.9	56.3	49.2	67.8	242.2	2	Ci.	S.-Cu.	3	----------	Cu.
21	S	SE	SE	SE	SE	S	55.8	42	48.9	77.4	224.1	1	Ci.	S.-Cu.	2	----------	Cu.
22	S	SE	S	Calm	N	Calm	56.5	46	42.9	32	177.4	1	----------	Cu.	1	----------	Cu.
23	E	Calm	SE	NW	NNW	E	31.4	43.8	48	34.7	157.9	2	----------	S.-Cu.	8	S.-Cu.	Cu.
24	E	Calm	SE	S	W	Calm	36.7	48.8	46.5	36	168	7	----------	S.-Cu. SE	4	A.-Cu.	Cu.
25	SE	SE	SE	SE	SW	N	47.6	77.8	52.3	42.6	220.3	9	----------	S.-Cu. SE	4	A.-Cu.	Cu.
26	Calm	SE	SSE	NW	NW	NW	24.1	44.3	57.1	54.4	179.9	10	----------	S.-Cu. SE	2	Ci.	Cu.
27	SW	SE	S	W	NW	N	28.5	57.1	62.8	80.2	228.6	1	----------	S.-Cu.	3	----------	Cu.
28	NE	Calm	E	Calm	N	E	37.9	39.7	65.5	50.8	193.9	1	----------	S.-Cu.	4	----------	Fr.-Cu.
29	E	E	SSE	W	NW	Calm	34.9	54.5	45.1	41.5	176	1	Ci.	----------	2	----------	Cu.
30	Calm	SE	S	SW	N	NE	33.8	47	55.6	45.1	181.5	1	Ci.	----------	2	----------	Cu.
31	SE	S	SE	N	N	NW	52.8	52	86.2	64.2	255.2	1	----------	Cu.	4	----------	Cu.
Mean	------	------	------	------	------	------	39.3	48.5	62.5	52.2	202.5	4.4	----------	----------	4.7	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	6,276.9	----	----------	----------	----	----------	----------

DAGUPAN.

[$\phi = 16° 03'$ N; $\lambda = 120° 20'$ E; barometer above sea, 2.7 meters; gravity correction not applied, —1.67 mm.]

NOVEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.59	61.04	61.69	58.62	59.02	60.83	24.5	23	30.7	31.8	28.2	27.5	32.7	22.8	95	97	71	61	82	86	------
2	60.18	60.80	61.77	58.93	59.82	61.50	25.2	23.2	30.9	33.5	28.4	26.2	34.3	23	91	94	63	54	72	86	------
3	60.70	61.10	61.50	58.93	59.49	61.02	23.5	22.4	31	31.6	27.6	26	32.9	22.1	95	96	67	59	78	89	------
4	60.06	60.11	61.14	58.19	58.29	59.66	23.9	22.3	29.7	31.3	27.3	25.1	32.7	22	84	85	58	57	79	89	------
5	59.01	58.84	59.33	57.14	57.23	58.50	23	21	29.6	29.2	26.7	25.5	31	20.8	90	91	61	66	69	84	------
6	57.92	58.13	58.84	56.33	56.58	57.96	22.4	20.5	28.1	29.2	27.6	24.6	30	20.2	95	95	66	61	77	96	------
7	57.32	57.88	58.89	57.28	58.30	59.71	22	21.3	27.8	28.7	26.6	24.9	29.5	21.1	97	98	74	74	85	89	------
8	59.30	60.22	61.64	59.25	60.24	61.74	22.4	21.5	29	28.4	26.3	25.9	32.4	21.4	96	99	74	79	85	86	------
9	61.78	62.55	63.27	60.89	61.69	63.11	23.9	22.8	29	29.5	26	24.6	32.3	22.4	94	97	74	76	84	91	------
10	62.90	63.13	63.64	61.13	61.48	62.55	22	21.2	29.2	31.7	25.8	23.5	32.5	21	96	98	71	56	82	84	------
11	62.11	62.55	63	60.58	61.34	62.67	21.8	21	29.6	31.6	25.2	22.6	33.2	20.6	86	86	58	59	77	86	------
12	62.12	62.70	62.85	60.19	61.13	62.60	20.4	19.2	29.4	29.3	25.6	23	31.4	18.9	94	96	66	59	75	84	------
13	61.91	62.32	62.50	60.17	60.80	62.31	20.6	20.2	30.2	30.1	26	23	32.7	19.8	94	94	64	67	81	86	------
14	61.17	61.65	61.99	59.66	60.65	62.40	22.2	20.6	30.7	30.6	26.3	23.1	33.8	20.2	89	92	60	70	83	87	------
15	61.74	61.31	61.77	58.95	60.09	61.39	21.4	20.4	29.8	33.5	27	24.1	34.3	19.9	91	92	57	53	83	87	------
16	60.64	60.71	61.11	58.51	59.48	61.49	22.7	22.3	31.7	34	27.7	24	34.8	21.9	93	94	63	55	84	88	------
17	60.33	60.87	61.36	59.11	59.30	60.51	22.7	21.2	31.1	30.4	27	24	32.9	20.8	91	93	56	66	81	87	------
18	60.09	60.67	61.23	59.01	59.47	60.88	23.2	21.9	31.7	32.2	27.5	24	34.4	21.6	91	93	60	65	85	83	------
19	60.23	60.62	61.21	58.84	59.70	60.70	22.9	21.7	31.4	30.6	27.1	24.3	33.6	21.1	87	88	56	69	83	86	------
20	60.15	60.05	60.18	57.98	58.31	59.59	22.3	20.7	30.8	29.7	27.1	24.2	32.7	20.4	92	94	57	69	85	91	------
21	58.82	59.08	59.13	56.93	57.40	59.03	22.7	22	31.4	30.8	27.2	24.7	33.8	21.6	94	95	62	65	87	82	------
22	58.88	59.39	59.78	57.11	57.25	58.70	23.4	21	30.2	31.2	27.4	25.1	33.3	20.7	90	96	69	62	81	91	------
23	58.37	59.01	59.77	57.42	57.81	58.90	23.2	21.6	29.6	29.8	26.8	26.3	31.1	21.4	93	97	71	74	90	92	------
24	58.74	59.63	60.50	58.24	59.27	60.66	23.4	23.3	29.6	30	26.6	26.2	32.4	22.4	97	96	74	75	84	86	------
25	60.08	60.94	61.64	59.02	59.17	61.05	23	21.5	29.5	30.4	26.7	24.1	32.4	21.4	95	98	71	74	87	97	------
26	60.53	61.52	61.92	59.13	59.94	61.43	22.3	20.9	30.2	33.6	27.4	24.5	34.6	20.6	96	97	70	57	82	86	------
27	61.35	61.82	62.35	59.37	59.83	61.92	22.4	21.3	30	32	27	24.6	32.9	20.8	94	95	68	63	85	90	------
28	61.25	61.72	62.32	59.99	60.69	62.03	22.7	21.4	29.2	30	26.8	26.4	30.6	21.1	95	97	75	73	89	90	------
29	61.66	62.16	62.38	59.61	60.19	61.81	24.1	20.7	29.5	32.6	27	24	33.6	20.5	93	98	70	66	86	81	------
30	61.05	61.78	62.32	59.81	60.28	61.38	21.3	19.7	30	31	26.7	22.8	32.8	19.5	92	99	74	69	86	85	------
Mean	60.37	60.81	61.37	58.88	59.47	60.93	22.7	21.4	30	30.9	26.9	24.6	32.7	21.1	92.7	94.7	66	65.1	82.2	87.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	0

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	S	Calm	NW	NNW	Calm	25	38.3	75.6	53.3	192.2	1	Ci.	Cu.	4	Ci.	Cu.
2	SE	SE	SE	S	N	Calm	42.1	66.5	64.6	52.3	225.5	3	Ci.	----------	4	Ci.	Cu.
3	Calm	Calm	SE	NNW	N	SE	25.7	45.1	73.5	37.3	181.6	1	Ci.	S.-Cu.	4	Ci.	Fr.-Cu.
4	SE	SE	SSE	NW	N	S	59	70.8	66.5	39.9	236.2	6	Ci.	S.-Cu. N	3	Ci.	Fr.-Cu.
5	SE	SE	SSE	N	NW	Calm	53.3	55.5	78.4	46	233.2	3	Ci.	S.-Cu.	5	Ci.	Fr.-Cu.
6	SE	Calm	NW	NW	NW	Calm	26.8	46	75.6	33.3	181.7	7	Ci. SE	S.-Cu.	9	Ci.-S. ESE	Cu.
7	Calm	Calm	W	NW	NW	Calm	24.9	49.9	95.3	42.7	212.8	9	Ci.-S.	S.-Cu.	9	Ci.-S.	S.-Cu.
8	NE	NE	SE	NNW	NW	NNW	26.3	42.6	69	58.2	196.1	9	Ci.-S.	S.-Cu.	9	A.-Cu.	S.-Cu. sw
9	Calm	SE	S	NW	NW	E	25.9	37.3	92.3	54.9	210.4	9	Ci.	S.-Cu. ssw	6	Ci.	Cu.
10	Calm	E	E	S	NW	S	28.3	49.4	56	53.3	187	1	----------	S.-Cu.	4	Ci.	Cu.
11	S	S	SSE	SE	E	SE	91.5	78.1	55.6	55	280.2	1	Ci.	S.-Cu.	5	----------	Fr.-Cu. SE
12	SE	SE	SSE	NNW	E	SE	36.7	49.2	56.3	62.5	204.7	1	----------	S.-Cu.	6	----------	Fr.-Cu. SE
13	SE	SE	SE	NNW	Calm	SW	39.9	65.7	61.8	48.8	216.2	1	----------	S.-Cu.	5	----------	Fr.-Cu.
14	S	SE	S	NNW	N	SE	64.7	82.4	56.3	41.3	244.7	0	----------	----------	3	----------	Cu.
15	SE	SE	SE	SE	Calm	SE	39.4	68.5	73.8	33.5	215.2	0	----------	----------	1	----------	Cu.
16	Calm	Calm	SE	SE	Calm	Calm	34.6	89.3	91.5	34	249.4	1	----------	S.-Cu.	2	----------	Cu.
17	SSE	SE	SSE	N	Calm	S	62.5	82.3	63.1	43.3	251.2	0	----------	----------	2	----------	Cu.
18	SE	Calm	SE	N	Calm	S	48.3	41	51.3	54.7	195.3	2	----------	S.-Cu.	3	----------	Cu.
19	SE	SE	SE	N	N	SW	35.2	50.8	74.9	33.5	194.4	0	----------	----------	3	----------	Cu.
20	S	S	SSE	NNW	N	Calm	39.4	49.6	81.6	33.6	204.2	0	----------	----------	3	Ci.	Cu.
21	SE	SE	SSE	NNW	N	SE	38.1	63.6	72.4	44.6	218.7	1	Ci.-S.	S.-Cu.	5	Ci.	Cu.
22	SE	SE	SE	NNW	N	S	45.4	48.5	81.8	50.4	226.1	0	----------	----------	3	----------	Cu.
23	SE	SE	SE	NW	NW	NNW	40.4	43.1	80.5	79.4	243.4	2	----------	S.-Cu.	2	----------	Cu.
24	N	Calm	SSE	NW	NW	NW	30.9	43.8	120.1	99.6	294.4	9	----------	S.-Cu.	3	----------	Cu.
25	NE	Calm	SE	NNW	N	Calm	32.5	35.7	75.8	29.9	173.9	1	----------	S.-Cu.	2	----------	Cu.
26	SE	SE	SSE	SE	N	SE	44.6	75.6	65.3	50.8	236.3	0	----------	----------	6	----------	Cu. SE
27	SE	SE	SE	NNW	Calm	Calm	44.8	55.3	55.6	18	173.7	0	----------	----------	2	----------	Cu.
28	Calm	SE	Calm	NW	NW	NW	32.5	46	90.7	67.9	237.1	7	Ci.	S.-Cu.	1	----------	Cu.
29	S	Calm	SE	E	N	S	36	44.1	52.4	35.4	167.9	2	Ci.	----------	3	----------	Cu.
30	Calm	E	SSE	NW	N	SE	41.6	52	67.3	34.1	195	1	----------	S.-Cu.	1	----------	Cu.
Mean	------	------	------	------	------	------	40.5	55.5	72.5	47.4	216	2.6	----------	----------	3.9	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	6,478.7	----	----------	----------	----	----------	----------

DAGUPAN.

[$\phi = 16° 03'$ N; $\lambda = 120° 20'$ E; barometer above sea, 2.7 meters; gravity correction not applied, −1.67 mm.]

DECEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.85	61.21	62.08	59.32	59.52	61.36	20.4	19.1	29.2	31	26.6	22.5	32.4	18.9	96	98	72	65	83	92	------
2	60.51	60.75	61.59	59.17	59.20	61	20.3	19.3	28.8	30	27	23.5	31	19	96	99	72	75	81	96	------
3	60.20	60.91	61.78	59.15	59.32	60.55	21.4	20.3	29.4	29.6	26.6	23.6	30.6	20	96	98	74	75	91	93	------
4	60.01	60.28	61.20	58.21	58.43	59.82	21	20.4	29.4	30.5	27.2	25.6	33.7	20	95	97	71	72	87	95	------
5	59.30	59.81	60.37	57.98	58.46	59.91	23	21.5	29.1	30	27.3	24.5	31.7	21.4	97	98	74	71	86	87	------
6	59.38	59.55	59.90	57.43	57.79	58.76	22.2	20.9	30.2	29.3	27	25.8	32.4	20.6	95	96	69	70	87	88	------
7	58.13	58.33	59.23	57.02	57.03	57.47	23	22	28.5	29.1	26.8	25.1	31.3	21.8	95	96	67	70	85	94	------
8	56.47	55.79	56.20	54.54	55.01	55.35	24.1	25.6	27.4	26.2	25.7	25.7	27.8	23.7	96	88	84	95	97	96	17.3
9	55.06	55.50	56.69	55.09	55.55	57.07	24.8	24	26.1	26	25.3	25	27.4	23.7	98	99	96	98	98	98	9.5
10	56.45	56.87	57.53	55.61	56.11	57.17	24.3	24.3	27	27.1	25.5	25.4	27.7	24	99	99	87	90	90	88	3.5
11	56.58	57.46	58.91	56.40	56.97	58.44	24.8	24.4	26.8	27.8	26	24	28.6	22.9	92	93	84	80	87	96	------
12	58.30	59.31	60.72	57.77	59.09	60.48	22.6	21.9	30	33.4	28.4	25.2	33.8	21.7	97	98	69	58	68	79	------
13	59.91	60.85	61.54	59.05	59.84	61.70	22.7	21	30.7	33.3	27.7	23.7	34.7	20.8	90	92	61	47	75	87	------
14	61.57	61.80	62.10	59.22	59.75	61.46	21.7	20.4	29	29.8	26.2	22.8	30.9	20	93	95	65	64	84	86	------
15	61.24	61.70	62.34	59.64	60.07	61.46	21.1	20.2	29.4	30.2	26.4	22.6	31.8	19.9	92	95	64	58	81	88	------
16	61.35	61.99	63.04	60.90	61.35	62.83	21.4	21.5	29.5	29.6	26.7	25.5	31.6	20.4	88	88	62	69	79	87	------
17	61.59	61.94	62.85	60.29	61.05	62.48	23.9	22.8	29.3	29.8	26.8	24.5	30.6	22.6	94	95	69	71	80	74	------
18	62.42	62.57	63.27	60.96	61.49	63.11	23.2	22.8	30.6	33.3	27.2	23	33.7	21.2	81	83	57	46	61	79	------
19	62.75	62.65	63.37	60.84	61.10	62.15	19.9	19.4	29	29.2	26.6	24.9	30.4	19.1	91	92	65	71	81	89	------
20	61.71	62.17	63.19	61.07	62.04	62.90	22	21.1	29.6	30	26.7	24.3	31.7	20.8	95	98	70	69	90	80	------
21	62.55	63.05	64.25	62.51	62.79	63.26	23.4	22	29.4	30	26.6	24	31.8	21.5	84	90	67	72	87	83	------
22	63	63.37	63.65	61.23	62.48	63.28	22.5	21.9	29.9	33.5	27.2	22.7	34.1	21.4	90	94	66	50	83	89	------
23	63.07	63.33	64	61.75	62.34	63.20	20	18.5	27.4	30	26.5	23.6	30.9	18.1	92	98	68	62	86	97	------
24	63.31	63.82	64	61.33	61.83	62.60	21.5	21	31	30.3	26.7	22.7	34.5	20.5	96	98	64	72	71	89	------
25	62.49	62.75	63.70	61.22	61.46	62.26	20.4	19.5	28.5	29.2	26.4	24	30	19.3	96	97	74	75	85	92	------
26	62.05	62.31	62.54	59.97	60.46	61.61	21	19.6	29	28.9	25.6	22.1	31.5	19.4	96	97	64	73	88	88	------
27	61.15	61.56	62.80	60.42	60.89	61.76	21	19.5	28.5	29.2	25.8	22.2	30.4	19.3	95	98	70	74	88	89	------
28	61.24	62.09	62.49	59.34	60.49	61.61	20.1	19.1	27.6	30.6	26	24	32.8	18.8	97	99	74	60	89	85	------
29	61.19	61.47	62.49	59.49	60.13	61.04	21.8	19.5	27.8	28.7	25.9	22.8	31.3	19.1	93	97	66	71	88	97	------
30	60	60.55	61.65	58.70	59.89	61.10	20.6	19.5	29.4	29.4	26.3	23	33.7	19.2	96	98	68	72	86	91	------
31	60.40	60.86	61.25	58.20	59.18	60.63	22	19.5	29.8	29.6	26.4	23	33.6	19.2	86	98	63	69	86	88	------
Mean	60.46	60.86	61.64	59.16	59.71	60.90	22	21	28.9	29.8	26.6	23.9	31.6	20.6	93.5	95.5	70.2	69.8	84.1	89	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	30.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SE	SE	SE	NNW	N	Calm	44.4	45.1	69.5	27.4	186.4	0	----------	----------	0	----------	----------
2	SE	SE	Calm	NW	NNW	SW	38.9	37.3	81.6	37.2	195	0	----------	----------	1	----------	Cu.
3	SE	SE	Calm	NW	Calm	Calm	38.1	38.3	74.3	21.7	172.4	0	----------	----------	2	----------	Cu.
4	SE	SE	SE	NNW	N	Calm	34.6	47.8	75.8	29.3	187.5	1	----------	S.-Cu.	1	----------	Cu.
5	SW	SE	SE	NNW	N	S	33.6	43.2	80.3	29.9	187	2	----------	S.-Cu.	4	----------	Cu.
6	S	S	SSE	NW	NW	SW	31.5	41.5	86.6	41	200.6	2	Ci.	S.-Cu.	8	A.-Cu.	S.-Cu. E
7	SSE	SE	SE	N	NNW	Calm	28.7	38.4	55.3	43.1	165.5	9	----------	S.-Cu. NNE	9	Ci.-S.	Cu.
8	W	NW	NW	NW	NW	NW	76.2	124.1	184.4	191.3	576	9	----------	S.-Cu. NW	10	----------	N. NW
9	W	SW	W	WNW	W	NW	81.1	81.9	130.7	85.5	379.2	10	----------	N. WNW	10	----------	N. WNW
10	WNW	W	NW	NW	NW	NW	66	88.5	161.9	123.9	440.3	10	----------	N. WNW	10	A.-Cu.	N. NW
11	NNW	N	NNW	NW	NW	Calm	72.6	75.3	81.6	24.3	253.8	10	----------	N. N	7	A.-Cu.	S.-Cu.NW
12	Calm	Calm	SE	SSE	Calm	SE	18.8	43.7	82.7	54.9	200.1	1	Ci.	S.-Cu.	3	A.-Cu.	Cu.
13	Calm	Calm	SSE	SE	N	W	33.5	59.8	60.4	33.3	187	2	Ci.	S.-Cu.	5	----------	Cu.
14	SW	SE	Calm	NW	N	S	39.4	31.1	67.9	31.4	169.8	1	Ci.	----------	1	----------	Cu.
15	Calm	SE	SE	NNW	N	Calm	32.2	35.1	71.3	26.3	164.9	1	Ci.	----------	3	Ci.	Cu.
16	SE	SE	SE	NNW	NNW	NW	45.9	38.9	72.6	40.2	197.6	1	Ci.	Cu.	7	A.-Cu.	Cu.
17	SW	SE	N	NNW	Calm	SSE	24.1	49.1	63.4	85.5	222.1	9	----------	S.-Cu. SE	7	Ci.-S.	Cu.
18	SSE	SSE	SE	SE	SE	SE	80.2	96.9	103	84.3	364.4	1	----------	S.-Cu.	1	----------	Cu.
19	SE	Calm	WNW	NW	NNW	Calm	30.9	35.4	84.5	51.5	202.3	2	----------	S.-Cu.	3	----------	Cu.
20	W	SE	SSE	N	N	SSE	33.1	43.1	80.2	63.9	220.3	1	----------	S.-Cu.	2	----------	Cu.
21	SE	SE	Calm	NW	Calm	SSE	58.5	44.6	48	58.4	209.5	2	----------	S.-Cu.	9	A.-Cu.	S.-Cu. E
22	E	SE	SE	SE	N	Calm	40.4	68.5	74.6	28.8	212.3	1	----------	S.-Cu.	1	----------	Cu.
23	Calm	SE	NE	NNW	NW	SW	37.3	49.2	77.8	33.8	198.1	1	Ci.	----------	4	----------	Cu.
24	SE	SE	SE	NNW	SE	Calm	36.8	95	71.6	62.1	265.5	6	----------	S.-Cu. E	1	----------	Cu.
25	SE	SE	W	NW	NNW	Calm	35.9	34.1	82.9	41.6	194.5	2	----------	S.-Cu.	1	----------	Cu.
26	W	SE	SE	NNW	N	S	39.7	58.4	84.5	40.7	223.3	1	----------	S.-Cu.	4	Ci.	Cu.
27	SE	SE	Calm	NNW	Calm	Calm	47.2	40.2	70	25	182.4	1	Ci.	S.-Cu.	4	Ci.	Cu.
28	SE	Calm	Calm	NNW	Calm	SW	43.1	32	55.2	28.3	158.6	1	Ci.	----------	6	Ci.	S.-Cu.
29	SE	SE	S	NW	NNW	SW	42.9	41.5	77.7	34.7	196.8	1	Ci.	----------	7	Ci.-S.	Cu.
30	E	SE	SE	NW	N	SW	41.5	44.1	80.2	36.5	202.3	1	Ci.	S.-Cu.	6	Ci.-S.	S.-Cu. SE
31	S	SE	SE	NNW	Calm	SE	65	64.1	65.3	40	234.4	1	Ci.	----------	6	Ci.	Cu.
Mean	------	------	------	------	------	------	44.3	53.7	82.4	50.2	230.6	2.9	----------	----------	4.6	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	7,149.9	----	----------	----------	----	----------	----------

BAGUIO.

[$\phi = 16°\ 25'$ N; $\lambda = 120°\ 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

JANUARY, 1911.

Day.	Atmospheric pressure, 600 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	37.63	37.74	38.83	37.60	38.01	37.76	13.9	13.7	20.9	20.5	16.5	14.7	22.8	13.3	82	82	58	73	94	94	------
2	37.27	37.17	37.98	36.40	37.10	37.83	13.8	13.4	21.2	22	16.1	14.8	22	12.7	98	95	52	64	93	93	------
3	37.16	37.32	38.60	37.38	38	38.30	13.5	13.5	19.9	19.6	16.5	14.5	20.9	12.9	95	83	56	76	84	91	------
4	37.91	38.11	39.05	37.92	38.35	39.08	14.6	15	19.6	19.6	17.1	15.2	22.9	12.9	79	78	67	76	73	88	------
5	38.26	38.54	39.74	37.92	38.63	39.27	14.4	15.1	20.9	21.8	17.5	16.8	22.9	14.1	94	87	67	73	99	97	------
6	38.41	38.65	39.52	37.74	38.02	39.17	15.2	15.3	21.5	20	17.6	15.8	23.9	14.6	99	85	66	82	80	87	------
7	38.49	38.45	39.25	37.77	38.13	39.29	14.8	14	21.4	20.9	17	14.9	24.2	13.4	90	93	58	74	91	87	------
8	38.46	38.57	39.46	37.94	38	38.22	13.2	13	19.2	19.2	16	14	22.9	12.3	90	79	50	79	95	89	------
9	36.95	36.58	37.63	36.05	36.24	36.88	14.4	16.1	21.7	23.5	17.4	16.1	24	13.6	78	60	52	59	95	95	------
10	36.30	35.96	36.49	34.74	34.82	35.50	14.8	14.7	22.1	21.1	17.4	16.3	23.5	14.1	99	93	64	77	94	99	------
11	35.27	35.39	36.55	34.85	34.95	35.91	16.2	15.3	18.7	21	17.4	15.6	23.2	14.6	95	97	84	73	82	91	------
12	35.57	35.28	36.64	35.50	35.60	36.71	15.1	14.4	19.4	19.5	16.7	14.8	23.4	13.7	90	95	64	75	82	90	------
13	36.13	36.39	37.90	37.14	37.21	38.05	14.2	13.6	21	19	16.4	14.6	23.6	13	87	87	57	81	81	90	------
14	37.60	37.71	38.76	36.94	36.96	37.80	14.5	14.5	20.6	20.8	17.1	16.3	22.7	14	90	89	68	75	92	93	------
15	36.98	36.97	37.48	35.74	35.48	36.17	14.6	15	20.6	22.4	17.9	15.6	23.4	14.3	100	93	76	69	87	89	------
16	35.45	35.74	36.98	36.19	36.30	37.01	14.4	14	21.1	21.4	16.1	14.3	23.2	13.5	92	90	63	64	96	99	------
17	36.33	36.40	37.28	36	36.29	37.39	14	13	20.6	20.4	16.2	15.2	23.1	12.7	88	88	44	74	98	99	------
18	36.99	37.14	38.06	36.32	36.59	37.65	14.6	13.7	19.8	19.1	16.1	15.3	22.4	12.9	98	97	65	80	98	88	------
19	36.91	36.92	37.94	36.66	36.77	37.81	13.8	13	17	18.9	15.2	14.5	21.2	12.5	94	88	80	79	91	91	------
20	37.15	36.80	37.76	36.77	37.06	38	13.3	12.4	18	19.8	15.8	14.2	21.4	11.6	92	95	76	72	88	94	------
21	37.34	37.12	37.98	36.75	36.89	37.95	13.7	13.6	18.9	17	16.5	14.9	21.3	13	91	87	71	93	89	93	------
22	37.32	37.19	37.96	36.40	36.61	37.46	14.5	14	17	17.4	15.8	15.3	21.1	13.3	92	91	90	86	96	92	------
23	36.76	36.46	36.77	35	35.34	36.25	14.9	14.6	18.8	20.4	16.6	14.6	22.5	13.1	92	87	79	73	85	89	------
24	35.55	35.01	35.99	34.54	35.18	36.23	13.7	13.5	20.7	18.2	16	14.5	23	13	87	83	53	83	79	89	------
25	35.78	35.63	36.59	35.57	35.59	36.32	14.1	14	20	19.5	16.9	15.4	24	13.4	85	84	60	78	91	88	------
26	35.55	35.33	36.36	35.18	35.09	35.97	15.7	14.6	21.6	18.4	16.5	15.8	24.4	14	80	80	54	88	94	92	2.3
27	35.45	35.08	36.01	34.60	34.48	35.04	15.5	15	20.3	20.6	16.5	16.6	22.5	14.4	91	89	73	66	93	79	------
28	34.55	34.47	35.74	34.51	34.84	35.65	15.3	14.9	20.6	23	18.3	16.4	23.3	14.5	88	85	68	66	85	91	------
29	35.06	34.82	36.19	34.67	34.72	35.37	15.5	14.9	21.6	22.4	17.6	16.2	24.2	14.5	93	96	64	70	93	92	------
30	35.13	35.08	36.59	35.17	35.21	36.26	15.7	15.7	20.8	20.6	17.1	16.9	22.6	14.2	86	77	58	76	99	89	------
31	35.91	35.41	36.59	35.10	35.08	35.75	15.3	14.9	20	21.5	18	16.4	24.3	14.4	100	94	73	76	77	90	------
Mean	36.63	36.56	37.57	36.16	36.37	37.16	14.6	14.3	20.2	20.3	16.8	15.4	22.9	13.5	90.8	87.3	64.8	75.2	89.5	91.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	2.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	E	NE	WSW	W	E	101.1	56.6	104	37	297.7	5	Ci.	S.-Cu.	10	Ci.-S.	Fr.-Cu. NW, N
2	W	NE	E	WSW	SE	E	40.2	73.4	106.8	72.4	292.8	2	Ci.	S.-Cu.	9	----------	S.-cf. E by N
3	E	E	SW	WSW	ESE	E	73.5	53.6	71	74.8	272.9	0	Ci.	Cu.	9	----------	S.-Cu. E
4	E	ESE	E	W	ESE	-----	170.4	166	68.1	107.5	512	7	Ci.	Cu.	7	Ci.	S.-Cu. ESE
5	E	E	WSW	WSW	SW	NE	127.7	77.9	76.9	30.6	313.1	8	----------	S.-Cu. S	9	----------	S.-Cu. SE by E
6	NE	E	W	WSW	E	E	57.9	72.9	83.5	117.3	331.6	1	Ci.	Cu.	8	Ci.	Cu.-N
7	E	E	E	WSW	Calm	E	119.1	92	73.2	78.9	363.2	0	Ci.	Cu.	8	----------	Cu.
8	E	E	E	W	W	E	105.4	87.1	74.3	98.7	365.5	7	Ci.	Cu.	9	Ci.-S. SW	Cu. SE by E
9	E	E	E	WSW	W	E	164.6	119.4	69.8	59	412.8	0	Ci.	----------	4	Ci.	Fr.-Cu. ESE
10	N	N	WSW	WSW	Calm	E	78.7	88.3	91.5	25.5	284	1	Ci.	Cu.	9	----------	Cu.
11	W	Calm	SW	W	W	NE	37.3	53.3	100	34	224.6	2	----------	Cu.	7	----------	Cu.-N.
12	N	E	ESE	SE	SE	E	46.7	94.3	43.1	144.2	328.3	2	----------	S.-Cu.	9	----------	Fr.-N.
13	E	SE	E	W	E	E	126.6	79.1	75	136.2	416.9	7	Ci.-Cu.	Cu.	8	----------	Cu.-N.
14	E	E	WSW	W	E	W	105.7	58.4	81.9	30	276	1	A.-Cu.	S.-Cu.	9	----------	S.-Cu.
15	NW	N	SW	WSW	Calm	E	56	81.6	82.7	81.8	302.1	1	----------	S.-Cu.	8	----------	S.-Cu.
16	E	SE	WSW	WSW	Calm	E	111.3	68.2	109.9	81.9	371.3	1	----------	Cu.	7	----------	Cu.
17	E	E	ESE	WSW	SW	Calm	115.9	103.3	92	32	343.2	0	Ci.	Cu.	9	----------	Cu.-N.
18	W	Calm	WSW	W	W	SE	35.6	68.6	95	63.8	263	5	Ci.	S.-Cu. S	10	----------	Cu.
19	E	E	WSW	W	E	SE	57.6	63	84.7	47	252.3	1	Ci.	Cu.	10	----------	----------
20	E	E	WSW	W	S	S	33.3	53.1	70.6	111.6	268.6	5	Ci.-S.	Cu.	7	Ci.	Cu.-N.
21	SE	Calm	WSW	W	E	E	71.1	56.8	63	63	253.9	9	Ci.	S.-Cu. SW	10	----------	----------
22	E	E	W	W	N	N	65.2	62	63.3	23.1	213.6	7	Ci.	S.-Cu. SW	9	Ci.-Cu.	Fr.-N.
23	Calm	NE	W	WSW	SE	E	28.2	65	89.1	88.5	270.8	10	----------	S.-Cu. NW by W	7	Ci.	Cu.-N.
24	E	E	E	WSW	W	E	120.2	108.6	88	78.3	395.1	2	Ci.	Cu.	10	----------	Cu.-N.
25	E	E	E	WSW	W	E	93.1	108.9	86.7	135.2	423.9	7	Ci.	S.-Cu.	9	----------	Cu.-N. ESE
26	E	E	E	W	Calm	SE	141	140.3	85	48.8	415.1	1	----------	S.-Cu.	10	----------	----------
27	E	SW	WSW	W	W	SE	24.3	74	105.2	68.9	272.4	0	----------	Cu.	7	----------	Cu.-N.
28	E	E	WSW	WSW	Calm	E	69.8	70.8	89.6	62.6	292.8	0	----------	Cu.	7	----------	Cu.-N.
29	ESE	E	E	WSW	SW	SE	116.2	89.5	88.5	109.6	403.8	0	Ci.	Cu.	9	----------	Cu.-N.
30	E	W	SSE	W	Calm	SE	140.6	61.7	70.3	62	334.6	1	Ci.	Cu.	9	Ci.	Cu.-N.
31	E	Calm	SW	WSW	S	E	22	47.8	93.9	58.5	222.2	1	Ci.	Cu.	7	----------	Cu.-N.
Mean	------	------	------	------	------	------	85.7	80.5	83.1	73	322.2	3	----------	----------	8.4	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	9,989.5	----	----------	----------	----	----------	----------

BAGUIO.

[$\phi = 16°\ 25'$ N; $\lambda = 120°\ 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

FEBRUARY, 1911.

Day.	Atmospheric pressure, 600 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	35.05	34.91	36.06	35.02	35.28	36.40	15.3	15.5	23	25.4	17.6	16.4	25.4	14.6	95	86	47	55	94	96	------
2	35.98	36.10	37.58	36.46	36.30	36.99	15.8	15.3	21.4	23.2	17.9	17	24.3	15	97	97	66	68	91	88	------
3	36.48	36.53	37.78	38.53	36.40	37.74	16.2	15	19.6	21.1	16.9	16.2	23.2	14.5	88	93	79	72	90	92	------
4	37.23	37.42	38.78	37.50	37.72	38.38	14.6	14.2	21.5	19.7	15.8	14.9	22.3	13.6	98	98	64	80	94	93	19.4
5	37.94	38.13	39.35	38.05	37.94	38.05	14.4	14.2	20.2	17.9	16	15.4	20.8	14	92	94	67	91	95	91	1.1
6	37.40	37.04	37.80	36.52	36.80	37.15	15.3	15.1	19.2	17.4	16.2	13.8	21.2	13.4	90	88	72	84	77	92	------
7	36.98	37.27	37.85	26.56	36.29	37.05	13.4	13.5	21.2	19.3	15.8	14.9	21.9	12.7	95	94	54	77	76	81	------
8	36.30	36.41	37.35	36.25	36.33	37.50	14.1	13.5	17.5	17.6	15.5	14.5	22	13.2	85	87	64	88	79	81	------
9	36.78	36.56	37.81	36.61	36.75	37.57	13	12	19.8	22.8	16.2	13.7	22.9	11.6	83	82	50	65	67	75	------
10	37.19	37.76	39.28	38.44	38.51	39.15	12.7	12.3	19	22	16.5	14.2	23.2	12	82	83	69	77	84	93	------
11	38.93	38.96	40.34	38.95	38.92	39.08	14.3	14	22.4	19.5	17.2	15.5	23.1	13	89	83	52	73	82	89	.5
12	38.74	38.80	39.79	38.39	38.02	38.87	15.6	15.4	20.4	18.9	15.5	14.4	21.8	13.8	85	85	65	82	79	80	.3
13	38.41	37.87	38.76	37.51	37.65	38.26	13.8	12.5	18.1	19.6	16.3	14.4	23	12.1	83	88	61	78	91	80	------
14	37.38	37.35	38.71	37.38	37.62	38.21	14	13.5	20.4	21	16	15.5	23.3	11.6	79	77	59	68	96	88	.3
15	37.50	37.04	37.79	36.56	36.30	36.91	14.5	13.8	20.9	20.4	17.4	15.1	22.3	13.5	90	93	62	78	85	89	------
16	36.47	36.33	37.25	36.11	36.04	37.04	14.2	14	20.6	20.2	17	15.3	22.6	13.3	89	83	69	84	95	92	------
17	36.58	36.10	37.23	36.22	36.24	37.09	14.9	14.9	19.9	19.2	17.6	15.9	21.9	14	92	89	82	92	94	96	.8
18	36.57	36.36	37.64	36.71	36.99	38	15.4	14.9	22.5	20.5	17.1	14.3	22.7	13.1	95	94	56	74	97	97	------
19	37.70	37.34	38.88	37.58	37.83	39.15	13.9	13	19.6	20.1	15.1	12.8	23	12.4	89	88	53	75	92	100	------
20	38.41	38.73	39.81	38.22	38.15	39.39	12	11.6	18.6	22	15.1	13.1	23.2	11	98	94	53	58	73	86	------
21	38.83	38.54	39.10	37.63	37.71	38.61	13	13.3	21.7	18	16.4	14.3	22.1	12	85	84	80	92	96	100	------
22	37.66	37.21	38.05	36.53	36.77	37.79	12.6	13	19.5	20.5	16.1	14.2	22.8	12.1	100	95	68	65	92	92	------
23	37.11	37.13	38.20	36.85	36.96	38.64	13	12.5	19.6	20.6	15	14.1	22.4	12	83	72	50	56	94	85	------
24	38.17	38.08	39.44	38.03	38.26	39.30	13.2	13	20.8	21	15.4	13.7	22.1	12.2	76	66	44	69	90	87	------
25	38.34	38.45	39.45	37.73	37.75	38.37	13.5	13.4	21.5	20.5	16	15.2	22.4	12.5	82	83	53	76	95	88	------
26	37.09	36.95	38.11	36.58	36.45	37.32	14.8	14	16.5	15.7	15.3	14.5	17.5	13.7	90	92	83	98	100	100	15.3
27	36.19	36.36	37.32	35.93	35.95	36.93	14.4	14.4	15.1	16	15	15	17.3	13.9	100	100	99	99	100	93	------
28	36.22	36.15	37.25	36.10	36.28	37.14	14.2	13	18.1	18.5	15.2	14.4	20.5	12.5	95	99	83	80	97	93	------
Mean	37.27	37.21	38.31	37.03	37.08	37.93	14.1	13.7	20	20	16.2	14.7	22.2	13	89.5	88.1	64.4	76.9	89.1	89.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	37.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	SE	SE	W	W	SW	117.5	102.4	129.8	33.6	383.3	3	Ci.	Cu.	5	----------	Cu.
2	E	E	WSW	W	Calm	SE	49.9	65	112.5	58.4	285.8	8	Ci.	Cu.	9	----------	Cu.-N.
3	SE	Calm	WSW	WSW	N	S	33.8	65.7	97.2	21.5	218.2	2	Ci.	Cu.	9	----------	Cu.-N.
4	E	NE	WSW	W	SE	E	61.7	89.8	93	113.5	358	2	Ci.	Cu.	10	----------	Cu.-N.
5	E	NE	NNE	W	E	E	76.9	56.9	42.1	89.8	265.7	7	Ci.	S.-Cu.	10	----------	N.
6	E	E	SSE	WSW	SE	E	90.1	67.8	53.6	140.6	352.1	9	Ci.-Cu.	S.-Cu. SEbyE	10	----------	Fr.-N.
7	E	SE	E	SW	ESE	E	122.3	85.3	84.3	100.3	392.2	9	----------	S.-cu. WNW	10	----------	S.-Cu.
8	E	ESE	E	SW	E	E	107	90.4	43.5	60.4	301.3	10	----------	S.-Cu.	10	----------	Fr.-N.
9	E	E	E	WSW	SE	E	92.2	89	76.4	107.8	365.4	2	Ci.	Cu.	9	Ci.	Cu.-N.
10	E	E	E	WSW	W	ESE	157.1	161.7	78.1	161.2	558.1	0	Ci.	Cu.	7	Ci.	Cu. ESE
11	E	N	ESE	SW	SE	E	100.6	55	44.9	179.6	380.1	1	Ci.	Cu.	10	----------	S.-Cu.
12	E	E	E	S	SE	E	135.2	93.9	71.8	119.6	420.5	10	----------	S.-Cu.	10	----------	Fr.-N. E
13	E	E	E	W	W	SE	107.3	90.3	98	65.5	361.1	10	----------	S.-Cu.	10	----------	----------
14	ESE	SE	WSW	W	W	E	102.4	63.4	118	58.9	342.7	0	Ci.	Cu.	9	Ci.	Cu.-N.
15	E	E	WSW	WSW	SE	E	41.8	52.1	70.8	99.8	264.5	1	Ci.	Cu.	10	----------	----------
16	E	E	E	WSW	Calm	E	95.6	66.5	96.6	91.1	349.8	7	Ci.	S.-Cu. NE	10	Ci.	S.-Cu. ESE
17	E	E	WSW	WSW	Calm	E	79.7	73.5	74.3	79.9	307.4	2	Ci.	Cu.	10	----------	----------
18	E	NE	E	W	SE	E	67.1	58.9	74	131.4	331.4	1	Ci.	Cu.	9	----------	cu.-N. NE
19	E	E	ESE	W	E	E	122	103	103	126.5	454.5	1	Ci.	Cu.	9	Ci.	Cu.-N.
20	E	E	E	W	E	E	127.3	112.3	74.8	139.7	454.1	9	A.-Cu. SW	S.-Cu.	8	A.-Cu.	Cu.-N.
21	E	E	NNE	W	W	E	85.8	110.2	101.4	56	353.4	2	Ci.	S.-Cu.	10	----------	S.-Cu.
22	E	N	W	W	W	NE	65.8	77.5	116.4	30.9	290.6	1	Ci.	Cu.	8	Ci.	Cu.-N.
23	NE	N	W	W	W	E	75.8	85.9	123.9	57.1	342.7	0	----------	Cu.	6	----------	S.-Cu. E
24	E	E	E	W	W	SE	94.3	91.5	106.5	93.5	385.8	0	Ci.	Cu.	9	----------	Cu.-N.
25	E	N	E	W	Calm	NE	71.9	59.5	80.7	20.6	232.7	1	----------	Cu.	10	----------	Fr.-N.
26	Calm	Calm	E	W	W	NE	13.2	42.6	46.5	49.9	152.2	10	----------	Fr.-N.	10	----------	----------
27	E	Calm	W	W	N	E	27.6	38	58.4	50.2	174.2	10	----------	----------	10	----------	----------
28	E	E	WSW	W	W	E	42.1	63.8	107.3	16.3	229.5	2	----------	Cu.	9	----------	Cu.-N.
Mean	------	------	------	------	------	------	84.4	79	84.9	84.1	332.4	4.3	----------	----------	9.1	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	9,307.3	----	----------	----------	----	----------	----------

BAGUIO.

[ϕ=16° 25′ N; λ=120° 36′ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

MARCH, 1911.

Day.	Atmospheric pressure, 600 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct*	*P. ct.*	*mm.*
1	36.85	36.76	38.23	36.97	36.59	37.12	14	13	18.5	18.6	14.5	13.6	21.5	12.6	92	94	66	75	94	95	------
2	36.55	36.47	37.49	36.35	35.99	36.85	13.4	12.5	19	21	15.9	14.3	21.8	12	86	88	43	62	70	77	------
3	36	36.01	37.20	36.48	36.20	37.03	12.5	12.3	19.6	19	15.9	13.9	20.3	11.5	90	82	58	72	76	91	------
4	36.32	36.23	37.23	36.40	36.50	37.07	12.6	12.5	20	18	15.9	14.4	21.8	12	92	88	57	80	90	94	------
5	36.69	36.71	37.82	36.50	36.45	37.33	13.4	13	21	19.5	16.5	14.3	22.1	12.8	99	94	60	72	88	92	------
6	36.61	36.60	37.81	36.19	36.22	36.89	13.4	12.5	19.6	21.8	16.2	14.4	23.7	12.3	88	88	58	59	90	99	------
7	36.36	36.38	37.68	36.18	36.23	36.97	14.5	13.6	17.1	18.5	17	15	22	13.5	94	99	84	85	89	96	------
8	36.51	36.55	37.38	36.24	36.11	37	14.1	13.3	18.7	21	17	14.6	22.2	12.6	94	98	77	68	86	90	------
9	36.09	36.22	37.34	36.47	36.29	36.83	13.2	13	19.9	19.9	16.3	14.9	22.3	12.1	99	94	59	72	91	89	------
10	35.67	35.21	36.78	36.04	36.11	37	13.3	11.6	19.4	22	16.3	16.7	23	11.1	99	100	72	66	90	72	------
11	36.37	36.26	37.75	36.42	36.39	37.14	14.9	14	23.7	23.5	19.5	18	25.1	13	79	72	35	65	59	70	------
12	36.62	36.64	38.29	37.57	37.71	38.77	17.4	16.4	21.8	21.2	18.1	18.1	25.3	15.8	73	79	55	73	76	66	------
13	38.05	37.75	39.19	37.53	37.52	38.11	15.8	15.6	23.2	22.1	19	16.6	25.3	15.4	83	84	52	71	86	89	------
14	37.40	37.30	38.54	37.33	36.41	37.35	15.5	15.9	22.1	23	19.4	16.5	25.1	14.6	87	75	61	69	72	94	------
15	36.28	36.40	37.43	35.99	35.94	37	15.9	16.4	21.8	22.2	19.2	17.3	24.8	15.1	94	87	70	76	87	90	------
16	36.10	36.17	37.43	36.45	36.51	37.05	16.1	15.9	25	23	18.4	17.5	25.7	14.9	90	79	36	69	91	89	------
17	36.40	36.24	37.76	36.69	36.67	37.42	16	15.1	20.5	21.6	18	17.2	25.2	15	96	100	76	77	95	91	------
18	36.74	36.56	37.94	36.84	36.37	37.24	16.4	15.4	19.7	21.4	17	16.2	25.5	14.8	92	97	79	75	92	90	------
19	36.98	37.09	38.61	36.93	36.53	37.63	16	15	19	20.1	17.2	15.9	23.7	14.5	90	94	81	80	98	96	------
20	37.10	37.32	38.55	36.84	36.95	37.79	14.4	14	20.5	23.9	17.5	15.4	25.3	13.8	100	95	59	55	90	99	------
21	36.78	37.30	38.60	37.39	37.61	38.63	15.3	14.4	21.4	22.6	18.7	16.4	23.6	14	95	95	58	66	88	87	------
22	37.65	37.76	38.94	37.78	37.69	38.68	15.3	15.1	21.5	20	18.4	16.8	23.8	14.6	96	88	73	85	62	77	0.5
23	37.57	37.92	39.29	37.49	37.58	38.45	15.5	15.6	20.6	22.9	18.4	18	23.8	15.1	92	95	76	72	80	83	------
24	37.47	37.50	38.75	37.40	37.27	38.52	16.3	15.3	19.6	17.5	16.2	16.2	21.9	14.6	92	91	79	90	73	78	5.3
25	37.56	37.70	38.85	37.67	37.98	39.11	15.4	14.8	20.3	17.2	16	15.4	22.7	14.3	87	91	74	91	94	95	29.2
26	38.34	38.07	39.39	37.95	37.94	39.16	14.4	14.2	20.9	17.6	15.6	15.1	22.4	13.9	94	93	64	96	91	91	11.7
27	38.42	38.58	40.09	38.88	38.73	39.61	15.2	15	20.6	18.1	17.4	16.2	22.2	14.2	84	84	67	93	86	87	.3
28	38.70	38.54	39.61	38.21	38.48	39.15	14.7	15	22.1	19.4	16	15.6	22.4	14.1	96	89	58	87	93	90	34.5
29	38.32	38.10	39.72	38.53	38.55	39.45	14.5	14.5	22	22.3	18.5	15.9	24.1	14	88	81	53	80	61	73	------
30	38.65	38.39	39.52	38.27	37.99	38.85	14.5	13.9	22.4	22.8	19	15.9	25.2	13.4	74	72	36	64	68	76	------
31	37.80	37.16	37.89	36.49	36.39	37.12	14.6	15	20.6	23.4	18	16	24.2	13.5	93	93	71	64	80	86	------
Mean	37.06	37.03	38.29	37.05	36.96	37.83	14.8	14.3	20.7	20.8	17.3	15.9	23.5	13.7	90.6	89	62.8	74.5	83.4	86.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	81.5

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SE	Calm	SW	WSW	N	N	20.3	79.2	118.1	27.2	244.8	3	Ci.	S.-Cu.	10	----------	Fr.-N.
2	E	E	SW	WSW	SE	SE	45.9	70.6	107.6	81.8	305.9	3	Ci.	Cu.	8	----------	Cu.-N.
3	E	E	WSW	W	S	E	122.3	102.7	90.3	108	423.3	3	Ci.	S.-Cu.	9	----------	S.-Cu. S
4	E	E	SE	W	Calm	E	149.7	118.8	94.8	81.5	444.8	7	Ci.	Cu.	10	----------	S.-Cu. S
5	E	E	E	WSW	W	E	116.4	92	71.8	75	355.2	2	Ci.	S.-Cu.	8	Ci.	S.-Cu. SE
6	E	NE	W	W	W	E	82.9	86.7	150.8	43.3	363.7	0	Ci.	Cu.	5	----------	Cu.
7	E	E	W	W	E	E	66.8	63.9	88.7	76.4	295.8	0	----------	Cu.	10	----------	S.-Cu.
8	NE	NE	W	W	Calm	E	59	84.2	107.6	52.5	303.3	9	----------	S. N	7	----------	S.-Cu. SE
9	N	NE	W	W	W	E	45.6	83.1	120.9	85.9	335.5	1	----------	Cu.	9	----------	S.-Cu. SE
10	E	E	WSW	W	W	E	99.3	76.9	115.6	109.7	401.5	10	----------	----------	3	Ci.	Cu.
11	E	E	E	W	E	E	89.8?	86.6?	115.7	235.4	527.5	1	Ci.	----------	2	----------	Cu.
12	E	E	E	E	E	E	195.2	172.2	79.2	176.7	623.3	6	Ci.-S. SSE	S.-Cu.	10	A.-Cu. S	Fr.-N.
13	E	E	E	W	W	E	177.2	129.7	116.2	43.8	466.9	0	----------	Cu.	9	----------	S.-Cu. SSE
14	E	E	W	W	W	E	119.7	103	122.6	85.3	430.6	0	----------	----------	9	----------	S.-Cu.
15	NE	NE	W	W	NE	E	66	65.5	112.7	66.2	310.4	0	Ci.	----------	9	----------	S.-Cu.
16	E	E	E	W	WSW	SE	96.3	66.6	134.6	46.2	343.7	0	----------	----------	10	----------	S.-Cu.
17	E	E	W	W	W	E	68.1	82.7	141.8	38.4	331	0	Ci.	Cu.	10	----------	S.-Cu. WSW
18	E	W	W	W	W	NE	42.1	95	137.9	63.1	338.1	1	Ci.	Cu.	8	----------	Cu.-N. NW
19	SE	E	W	W	Calm	E	38.9	78.1	115.6	74.8	307.4	4	----------	S.-Cu.	10	----------	S.-Cu.
20	E	E	E	W	W	NE	79.5	75.6	163	52.8	370.9	0	----------	Cu.	6	A.-Cu.	Cu. NW
21	SE	E	E	W	Calm	E	60.6	59.2	134.6	65.5	319.9	0	----------	----------	8	----------	Cu. SW
22	E	E	W	W	Calm	SE	70.3	75.9	85.3	20.1	251.6	0	----------	Cu.	10	----------	----------
23	Calm	NNW	W	W	NE	E	24.3	60.7	72.6	32.2	189.8	2	----------	Cu.	10	----------	S.-Cu.
24	E	SE	W	N	E	E	70.8	70.6	100.4	85.3	327.1	0	----------	----------	10	----------	N.
25	E	E	W	W	NW	E	68.2	71.9	54.1	103.6	297.8	2	Ci.	Cu.	10	A.-Cu.	Fr.-N.
26	E	SE	E	W	E	SE	138.7	118.8	108.9	146.9	513.3	2	A.-Cu.	S.-Cu.	10	----------	N.
27	E	E	E	W	Calm	SE	86.3	65.2	68.1	71	290.6	9	A.-Cu.	S.-Cu.	10	----------	Fr.-N.
28	NE	E	SE	W	E	E	74.8	78.6	127.1	123.6	404.1	1	A.-Cu.	Cu.	10	----------	N.
29	E	E	E	SW	SE	E	110	123.1	84.6	111.8	429.4	0	----------	Cu.	5	----------	Cu.
30	E	SE	E	WSW	S	E	78.4	84	113.7	59	335.1	1	Ci.	Cu.	2	----------	Cu.
31	NE	N	W	WSW	W	SE	65.4	76.4	129	47	317.8	1	Ci.	Cu.	4	----------	Cu.
Mean	------	------	------	------	------	------	84.8	87	109.2	80.3	361.3	2.2	----------	----------	8.1	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	11,200.1	----	----------	----------	----	----------	----------

BAGUIO.

[$\phi = 16°\ 25'$ N; $\lambda = 120°\ 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

APRIL, 1911.

Day.	Atmospheric pressure, 600 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	35.99	35.80	36.70	35.72	35.60	36.87	14.4	13.5	21.5	24	18.4	16.3	24.4	13.5	92	95	42	49	75	83	------
2	36.14	36.10	37.21	36.18	36.18	36.88	14.6	13.5	20.4	21	18.2	15.6	23.4	12.8	91	99	73	80	88	87	------
3	36.29	36.59	37.79	36.64	36.69	37.59	14.6	15.7	22.6	23.8	19.6	16.6	24.8	13.9	88	66	51	64	62	80	0.8
4	37.10	36.80	37.81	36.61	36.59	37.54	16.6	16.1	20.1	20.1	18	16.5	23.4	15.5	83	88	72	86	92	98	8.1
5	36.45	36.35	37.35	36.16	36.47	37.28	16	15.7	19.9	18	18.5	16.3	21.6	15.4	95	94	83	98	86	87	------
6	36.19	36.20	37.40	36.35	36.54	37.06	16.6	16.4	22.5	24.1	18.1	15.8	24.3	15	68	60	32	49	75	89	------
7	35.79	35.66	36.83	35.94	36.08	37.37	15.4	14.5	22.2	23.1	18.6	16.4	24.2	14.4	86	89	43	65	75	85	------
8	36.01	35.96	36.87	35.60	35.39	36.55	15.5	15	21.5	23.1	19.1	17	23.8	14.6	90	89	69	66	85	93	------
9	35.57	35.50	36.49	34.88	34.84	36.06	16.3	16	23	23.5	19	17.2	25.2	14.8	93	92	62	76	88	96	.3
10	35.18	35.10	36.44	34.87	34.75	36.24	16.9	16.6	21.2	22.8	18.7	17	25.2	16	90	88	80	76	98	100	13
11	35.03	35.03	36.49	35.07	34.88	36.16	16.5	16.3	22.5	22.5	18.5	17.3	24.3	15.9	97	97	83	78	93	94	------
12	35.74	35.71	36.89	35.73	35.60	36.80	17.4	16.8	22	22	19	17.3	24.8	16	87	84	82	79	96	99	------
13	35.99	36.38	37.93	36.57	36.44	37.33	17.1	15.4	22.8	22.8	18.5	16.4	26.2	15.2	94	100	59	70	95	100	------
14	36.82	36.16	37.19	35.79	35.49	36.35	16	16.1	21.6	20.9	18	17	24.5	14.9	96	88	69	83	94	89	------
15	35.71	35.35	36.50	35.42	35.33	36.49	16.5	15.6	22.2	23.9	18.4	17	24.2	15	90	93	60	64	83	87	------
16	35.95	35.96	36.78	35.50	35.04	36.59	16.1	16	19.6	20	18.5	17.3	22.8	15.5	89	84	83	86	95	93	------
17	36.34	36.26	36.78	35.52	35.71	36.61	15.7	15.3	21.9	21.8	17.6	15.6	24.5	15	99	98	66	72	91	93	------
18	35.92	35.86	36.85	35.79	35.69	36.70	15.2	15.5	21.2	19.9	17.9	17.6	23.9	14.7	91	84	70	86	95	94	------
19	35.65	36.10	37.69	36.95	37.03	38.45	16.6	16	21.5	20.5	18.5	17.9	23.8	15.4	95	100	81	91	95	95	.8
20	37.76	37.72	38.68	37.63	37.64	38.62	17.5	16.9	20.1	18.9	18.4	17.7	23	16.5	96	96	90	95	100	96	28.7
21	38.30	38.69	39.84	38.31	38.40	38.95	16.7	16.8	23.4	21.2	19.9	18.4	24	16.4	92	86	53	90	87	90	1.5
22	37.76	37.82	38.40	37	36.79	37.63	17	16.1	24	21	18.9	18	25.6	15.9	88	87	49	86	92	86	.3
23	35.96	35.10	35.31	34.03	33.76	34.66	16.7	16.2	23.3	20.9	18	17.3	23.8	15.7	87	79	50	74	89	91	1.8
24	33.76	33.96	35.27	33.96	34.39	36.36	16.6	16.4	17.9	18.3	17.3	15	21.3	14.6	97	100	91	91	100	100	46.7
25	35.64	35.87	37.04	36.19	36.60	38.01	15.5	15.8	17.9	18	17	16.3	19.2	15.1	100	100	99	100	100	100	6.4
26	36.91	37.19	38.03	36.18	35.93	37.07	15.6	15.5	21.9	18	17.2	16.7	22.4	15.1	100	100	79	99	99	100	47.3
27	35.81	35.80	36.64	34.83	34.68	35.61	16.3	16.4	20.1	16.4	16.2	15.7	22.5	15.5	100	99	84	96	100	100	88.4
28	34.83	34.87	35.76	35.30	35.15	35.94	15.6	15.6	18.9	17.9	17.2	17.2	21.3	15.4	100	99	87	97	93	86	1
29	35.69	35.85	36.70	35.82	35.85	36.72	15.4	15.5	21.4	19.5	18	16.7	23.7	14.2	100	99	83	94	95	99	.5
30	36.23	36.10	37.57	36.55	36.63	37.47	16.4	16.3	21.1	20.2	18.9	17.1	24.2	15.8	99	95	84	89	91	98	.8
Mean	36.08	36.06	37.11	35.90	35.87	36.93	16.1	15.8	21.3	20.9	18.3	16.8	23.7	15.1	92.4	90.9	70.3	81	90.2	92.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	246.4

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.	
												Amount.	Form and direction.		Amount.	Form and direction.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	NNE	S	WSW	W	SE	67.9	66.2	134.4	54.9	323.4	0		Cu.	2	Ci.	Cu.
2	E	E	W	W	NW	E	84.3	74.5	113.2	93.8	365.8	1	Ci.		10		Fr.-N.
3	NE	Calm	W	W	E	E	63.3	58.7	110.5	127.6	360.1	3	Ci.		5		Cu.
4	E	E	E	W	Calm	NE	144.2	138.6	97.2	55.8	435.8	9	A.-Cu.	S.-Cu. E	10		Fr.-N.
5	E	E	W	WSW	NE	E	69.2	66.6	81.8	53.7	271.3	2	Ci.	Cu.	10		
6	SE	E	E	WSW	NW	E	58.9	100	164.3	61	384.2	1	Ci.-Cu.	Cu.	2		Cu.
7	SE	E	E	W	W	E	57.4	116.2	145.1	64.4	383.1	0	Ci.	Cu.	5		Cu.
8	SE	E	SW	WSW	Calm	E	80	119.4	132.8	74.3	406.5	1	A.-Cu.	Cu.	9		Cu.-N.
9	E	E	E	W	SE	E	95.2	114.3	101.2	113.8	424.5	9		S.-Cu. SE	6		Cu.-N.
10	SE	E	WSW	W	W	E	80.8	61.8	136.3	48.6	327.5	0	Ci.		9		Cu.-N. W
11	SE	E	W	W	W	E	65.8	82.9	123.4	60.7	332.8	1	Ci.	Cu.	10		Cu.-N.
12	E	E	W	W	W	E	90.9	83.7	119.1	63.3	357	0	Ci.	Cu.	9		Cu.-N.
13	E	N	E	W	W	NE	67.3	67.9	160.4	81.9	377.5	10			7		Cu.-N.
14	W	NE	WSW	W	W	NE	40.7	83.1	139.7	59.8	323.3	1	Ci.	Cu.	10		Cu.-N.
15	E	E	W	WNW	NW	E	45.1	72.2	113.3	29	259.6	0		Cu.	8		Cu.-N.
16	E	E	SW	WSW	W	SE	71.4	65.2	101.1	34.8	272.5	0			9		Cu.-N.
17	E	E	S	W	NW	W	38.9	73.4	140.3	69.7	322.3	2		Cu.	9		Fr.-N. W
18	NE	Calm	WSW	WSW	Calm	E	31.1	60	110.5	96.1	297.7	2	Ci.		10		Fr.-N.
19	ESE	NE	WSW	W	NW	E	78.6	71.1	91.9	67.3	308.9	10			10		Cu.-N.
20	SE	E	SW	W	S	E	48.1	50.1	50.7	107.5	256.4	9	A.-Cu.	Cu.	10	Ci.-S.	N.
21	E	E	E	W	W	SE	108.3	93.8	97.4	63.1	362.6	9	A.-Cu.	Cu.	10	Ci.	N.
22	E	E	SE	WNW	W	SE	91.9	92.8	101.1	55.7	341.5	8	Ci.-Cu.	Cu.	10		Fr.-N.
23	NE	SE	E	E	SE	E	70.3	104.1	68.2	136.6	379.2	9	A.-S.	Cu.	10	A.-S.	Fr.-N.
24	E	E	ESE	SE	W	SW	135	136	66.2	131.8	469	10			10		N.
25	W	NE	W	W	W	W	32.7	71.8	153.5	50.7	308.7	10		Fr.-N.	10		
26	E	E	WSW	NW	W	W	34.9	79.2	104.1	34.1	252.3	7	Ci.-Cu.	Cu.	10		N.
27	W	SE	S	SE	SE	E	36.2	43.8	55.5	38.3	173.8	9		S.-Cu.	10		N.
28	NE	NW	WNW	WNW	NNW	E	35.2	114.6	121.5	74.6	345.9	10		N.	10		N.
29	E	Calm	WSW	W	WNW	NE	19.5	59.8	113.3	50.1	242.7	3	Ci.	Cu.	10		Fr.-N.
30	W	SE	W	W	W	E	28.8	76.9	119.5	52.5	277.6	2	Ci.	Cu.	10		Fr.-N.
Mean	------	------	------	------	------	------	65.7	83.3	112.2	70.2	331.4	4.6	------	------	8.7	------	------
Total	------	------	------	------	------	------	------	------	------	------	9,943.5	------	------	------	------	------	------

BAGUIO.

[$\phi = 16°\ 25'$ N; $\lambda = 120°\ 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

MAY, 1911.

Day.	Atmospheric pressure, 600 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	36.75	36.99	38.04	36.69	36.64	37.57	16.5	16.4	20.9	21.4	16.1	17.3	24.3	15.9	95	95	83	85	94	89	27.9
2	36.79	36.72	37.20	36.07	35.97	36.80	16.3	15.9	21.6	21.4	18	17.4	24	15.4	93	90	77	84	99	97	12.8
3	36.02	35.95	36.80	35.96	35.92	37.24	16.1	16.3	20.3	20.2	18	17.2	23	15.2	100	99	91	89	99	99	------
4	36.91	36.62	37.54	36.72	37.12	38.20	16.1	16.3	23.3	22	19.1	17.3	24.6	15.4	97	84	51	87	91	91	------
5	37.83	37.75	38.58	37.47	37.67	38.86	16.6	17.2	22.8	20.3	19.3	17.3	24.7	16.4	92	77	56	92	93	100	------
6	37.94	37.43	37.82	36.82	36.55	37.94	16	16.8	22.8	20.6	17.6	16.7	24.2	15.7	100	92	60	87	95	95	11.2
7	36.80	36.25	37.71	36.30	36.55	37.43	16.2	16.5	19.1	21	16.1	15.6	23.6	15.7	97	87	85	84	99	99	24
8	35.82	36.11	37.02	35.79	35.93	36.94	17.1	16.3	20.7	21.7	16.5	16.4	22.9	15.4	84	91	76	84	99	92	49.5
9	36.35	36.57	37.69	36.08	36.72	37.77	15.4	16.2	20.4	20.1	16.1	15.9	22.6	15.4	97	87	91	91	99	96	58.4
10	36.78	36.48	37.85	36.65	36.64	37.41	16.5	16.4	19.9	21.2	19.4	17	23.6	15.5	88	87	89	84	94	97	------
11	36.59	36.62	37.70	36.61	36.45	37.40	16.9	16.4	21.1	16.5	16	17.1	22.7	15.5	90	90	80	98	93	80	7.1
12	36.84	36.63	37.35	36.02	36.43	37.21	16.5	17.5	21.6	17.9	16.3	17.1	23.6	15.7	83	68	76	99	99	87	31.9
13	36.59	36.68	37.40	36.26	35.90	36.80	16.9	17.3	22.4	18.9	18.4	17.2	23.9	16.4	91	85	78	96	94	98	14.3
14	36.20	36	37.01	35.96	35.79	37.08	16.4	17.2	21.7	21.1	18.2	17.4	24	16	100	91	80	85	93	98	------
15	36.83	36.17	36.83	36.01	36.37	37.45	16.5	17.7	21.5	21	18.8	17.9	23.5	15.8	100	90	85	89	92	94	3.5
16	36.73	36.72	37.34	35.99	36.17	36.98	16.5	16.4	21.5	20.9	18	17.2	24.8	15.7	99	99	73	89	94	97	1.1
17	35.59	36.11	36.59	35.30	35.62	36.57	16.1	17	22.1	23.5	17	17	24	15.8	96	78	74	81	99	96	2.9
18	35.47	35.42	36.08	34.90	35.05	36.37	16.7	17.1	21.4	19.9	18	17.6	23.3	15.8	93	85	73	91	88	90	.3
19	35.29	35.50	36.14	35.23	35.55	36.46	16.7	16.5	21.4	22	17.9	17.1	23.8	15.8	95	90	70	85	99	99	------
20	35.62	35.28	36.07	35.56	35.92	36.97	16.2	16.6	23.2	22.2	19.2	17.9	24.4	15.5	100	88	48	82	92	93	------
21	36.08	35.98	36.71	35.56	35.59	36.79	17.1	17	20.9	19	18.4	17.7	24.2	16	98	96	84	96	94	94	6
22	35.58	35.58	36.59	35.65	35.82	36.82	17.9	18.2	20.2	20	18.3	17.2	23.6	17	92	88	90	98	97	100	5.9
23	35.73	35.93	36.69	35.27	35.35	36.04	17.4	17.3	20.5	20.5	19.2	18.3	24.1	16.3	98	98	89	91	89	90	------
24	35.13	35.22	35.56	34.74	35.34	36.58	17.7	17.9	24	22.8	18	17.2	24.5	16.8	95	93	61	84	94	98	.6
25	35.71	35.85	36.69	35.64	35.69	37.03	17.2	17	21.4	23	18.6	17.9	25.2	16	95	95	77	83	96	95	------
26	35.96	35.90	36.96	36.17	36.19	37.59	17.5	17.4	21.7	18.8	18.2	17.5	24	16.2	97	96	76	97	98	99	40.9
27	36.83	36.48	37.09	35.94	36.03	37.05	17.1	17.3	20.9	19.8	17.4	17.2	23.4	16.6	98	90	91	98	96	95	20.6
28	36.31	36.38	36.94	35.77	35.54	36.48	17.1	17.5	22.8	20.7	19.6	18.3	24.4	16.3	96	91	68	94	94	94	.3
29	35.42	35.57	36.34	35.29	35.31	36.08	17.1	17	20.9	22.5	18.5	17.8	23.5	16.6	100	98	80	82	95	96	18.8
30	35.36	35.38	36.17	35.64	35.92	36.75	17.7	18	21.5	18.8	17.8	18.4	24.4	16.6	98	92	86	99	99	87	42.4
31	35.98	36.30	37.34	36.88	36.83	37.67	16.9	17.5	23.8	21.9	18.8	18.3	24.1	16.1	99	88	67	83	92	91	------
Mean	36.25	36.21	37.03	35.97	36.08	37.11	16.7	17	21.6	20.7	18	17.3	23.9	16	95.4	89.6	76.3	89.3	95.1	94.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	380.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	Calm	WSW	W	E	SE	24.9	70.8	103	69	267.7	1	Ci.	Cu.	10		Fr.-N.
2	W	W	WSW	WSW	Calm	SE	35.6	81.3	92.3	58.2	267.4	1	Ci.		10		Cu.-N. NE
3	E	NNE	WSW	W	Calm	SE	67.1	76.7	105.4	44.3	293.5	3		Cu.	10		Cu.-N. NE
4	E	E	E	WSW	Calm	SE	84.7	85.9	64.2	93	327.8	0		Cu.	10		Cu.
5	E	E	SE	SSW	Calm	SE	139.2	110.7	97.6	40.7	388.2	8	Ci.	Cu. NNE	9		Cu.-N.
6	E	ESE	E	WSW	NE	NE	45.1	75.8	112.3	35.7	268.9	3	Ci.		10		Cu.-N.
7	E	ESE	WSW	WSW	S	SE	106.2	88.5	102	78.1	374.8	8	A.-Cu. N	Cu.	9		Cu.-N. N
8	E	Calm	ESE	WSW	NW	E	71.8	58.7	151.3	30.6	312.4	2	Ci.-Cu.	Cu.	8		Cu.-N. W
9	W	E	WSW	WSW	NE	E	25.2	51.2	122	48	246.4	7	Ci.	Cu.	10		Cu.-N.
10	N	Calm	WSW	WSW	W	E	31.1	65	104.1	54.9	255.1	8	A.-cu. NNW	Cu.	7	A.-Cu.	Cu. NW
11	SE	Calm	SW	WSW	NE	SE	17.7	63.4	104.3	90.4	275.8	3	Ci.	Cu.	10		N.
12	E	SE	WSW	WSW	NNE	SE	53.1	71.1	101.4	66	291.6	4	Ci.-Cu.	Cu.	10		
13	E	E	WSW	WSW	Calm	SE	52.6	67.4	55.8	39.6	215.4	7	A.-Cu. NW	Cu.	10		
14	E	SE	SW	WSW	Calm	E	47.3	64.7	78.4	44.8	235.2	4	Ci.	Cu.	10		Cu. N. NW
15	E	SE	SW	WSW	NNW	SE	49.6	78.9	89.1	63.8	281.4	4	Ci.	Cu.	10		Cu.-N. W
16	E	ENE	ENE	WSW	ESE	SW	51.5	111	90.1	67.9	320.5	8	Ci.	Cu.	10		Cu.-N.
17	E	Calm	SE	WSW	NE	E	59.3	56.6	105.2	64.6	285.7	2	Ci.		9		Cu.-N. E
18	SE	SE	SE	WSW	E	E	82.9	42.1	81.3	43	249.3	7	A.-Cu. NW	Cu.	10		Cu.-N.
19	SE	SE	NE	WSW	E	SE	74	84.5	74.3	70.8	303.6	6	Ci.	Cu. NNW	9	Ci.	Cu.
20	SE	ESE	ESE	W	WSW	SE	112.9	91.7	124.2	48.1	376.9	0	Ci.-S.	Cu.	5		Cu.-N. WbyS
21	E	ESE	WSW	NW	NW	NE	63.8	85	86.7	48.3	283.8	3	Ci.-S.	Cu.	10		N.
22	SE	ESE	WbyS	W	NE	E	78.7	68.2	76.7	62.2	285.8	3	Ci.-S. N	Cu.	10		N.
23	W	Calm	WbyS	WSW	NbyE	SE	46.9	61.4	79.9	48.6	236.8	10			10	Ci.-S.	N. S
24	SE	ESE	ESE	WSW	WSW	NE	101.7	65.7	119.9	34.4	321.7	3	Ci.	Cu.	10		N.-cf. NW
25	E	ESE	WSW	WSW	WSW	E	29.3	50.9	114.8	44.3	239.3	2	Ci. SE	Cu.	9		Cu.-N. NW
26	E	Calm	WSW	W	NW	NE	38.3	67.3	96.8	65.8	268.2	3	ci.-s. WNW	S.-Cu. S	10		N.
27	SE	ESE	WSW	W	NNE	E	50.4	54.2	103.8	69.8	278.2	10	A.-Cu. W	Cu. E	10		N.
28	SE	SEbyE	SE	WSW	Calm	SE	45.4	78.1	93	21.1	237.6	5	Ci. SW	Cu.	10		Cu.-N. W
29	SE	Calm	WSW	WSW	SW	NW	41.3	73	126.3	59.3	299.9	9	ci.-s. NNW	Cu.	10	Ci.	Cu.-N. W
30	NW	SW	WSW	WSW	NNE	E	41.5	74.6	102.2	93.9	312.2	3	Ci.-S. NW	Cu.	10		N.
31	NE	SE	E	SW	Calm	SE	73.2	74.6	61.2	63.9	272.9	5	Ci.-S. NE	Cu.	10		Cu.-N. E
Mean	------	------	------	------	------	------	59.4	72.5	97.4	56.9	286.3	4.6			9.5		
Total	------	------	------	------	------	------	------	------	------	------	8,874						

BAGUIO.

[$\phi = 16° 25'$ N; $\lambda = 120° 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

JUNE, 1911.

Day.	Atmospheric pressure, 600 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	37.02	36.42	36.87	36.72	36.77	37.63	17.2	18.1	23.3	22.7	20.2	18.8	23.7	16.5	92	77	72	77	87	90	------
2	36.69	36.70	37.64	36.91	36.68	37.54	17.6	17.2	21.9	24	19	17.6	24.6	16.5	97	95	77	75	91	96	------
3	36.90	37	37.89	37.27	37.03	38.19	16.4	18.2	22.8	21.5	19.5	18.2	24.4	16	98	71	78	95	96	100	------
4	37.15	37.20	37.92	37.49	37.38	38.40	17.5	17.5	22.7	22.4	19	18.3	24.9	16.5	100	97	86	95	95	96	------
5	37.51	37.53	37.77	36.59	36.66	38.17	17.7	17.3	23.3	22.8	19.5	18	24.9	16.4	94	90	88	67	95	94	------
6	36.67	37.18	37.01	35.97	36.04	37.17	16.6	17.3	23.5	24	20.8	18.5	25.8	16.3	100	84	57	49	89	90	------
7	36.30	36.58	36.80	35.82	35.76	37.24	17.1	17.6	23.2	22.1	19.2	17.7	25.5	16.1	87	71	50	85	96	99	------
8	36.46	36.28	36.77	35.89	35.81	37.31	17.4	17.9	23.9	21.8	19.3	18.1	25.4	16.1	96	89	60	84	92	98	1.3
9	36.71	36.72	37.45	36.50	36.56	38.10	17.3	17.9	24	22.2	19.4	18.2	25.5	16.7	100	96	61	82	96	100	.3
10	37.58	37.77	38.61	37.64	37.47	38.51	17.1	18	24.4	19.9	19.3	19	26.2	16.8	100	92	57	95	88	89	20.1
11	37.65	37.68	38.25	36.79	37	37.41	18	18.3	23	23	18.1	17.8	25.3	16.7	97	87	62	87	97	91	13.7
12	36.53	36.74	37.30	36.10	35.92	36.76	17.3	17.7	21.9	21	19.9	18.1	24.4	16.8	94	85	81	91	97	100	9.4
13	36.10	36.30	37.07	35.84	36.01	37.53	17.8	18.4	21.4	23.2	18.6	18.3	24.1	16.5	100	93	86	88	98	98	18.3
14	36.75	37.06	37.58	36.92	36.71	37.53	17.8	17.5	21.2	23	19.4	18.3	23.3	16.6	98	95	80	87	96	99	.8
15	36.86	37.09	37.49	36.97	36.06	37	17.5	17.2	21.8	18.8	18.4	17.2	23.2	16.3	100	95	82	98	97	100	5.3
16	35.94	35.57	35.60	34.66	34.73	34.71	16.8	17.5	19.3	19.2	16.5	17	22.3	16	100	100	100	100	100	97	32.5
17	33.95	33.66	34.11	33.71	32.96	33.66	16.3	17.1	18.6	17.6	17.9	17.2	19.3	16	100	100	100	100	95	100	15.5
18	32.57	32.69	32.82	32.21	32.43	33.51	16.5	16.4	21	21.8	18.1	17.4	22.8	15.6	100	100	83	87	97	100	11.1
19	32.89	33.18	33.60	32.95	32.91	34.05	17.1	16.6	19.3	18.6	17	16.5	21	15.9	98	99	85	90	98	100	5.9
20	33.20	33.53	34.17	34.03	34.47	35.68	16.1	16.4	17.6	17	16.4	16.3	18.8	15.6	100	98	88	96	96	96	6.7
21	35.24	35.90	36.16	36.68	36.72	36.96	17.2	16.3	17.9	20	16.5	16.4	21.8	15.7	89	98	80	81	90	91	5.6
22	37.10	37.52	38.04	37.81	37.99	39.12	16.5	16.5	21.2	24	18.9	16.5	24.5	15.4	85	79	75	83	87	100	------
23	38.26	38.37	38.74	37.92	37.73	38.60	16.5	17.3	20.7	22.8	18.3	18.1	23.8	16.2	97	87	90	89	97	93	.8
24	37.40	37.30	37.43	36.58	36.10	36.80	17	17.3	22	20.1	18	17.3	24.1	15.7	100	98	85	94	93	94	------
25	35.85	35.44	36.17	35.34	35.19	36	16.2	16.7	20.8	21	18.2	17	24	15.5	96	88	70	82	88	86	------
26	35.10	35.18	35.79	35.19	34.94	36.10	16.1	16.5	20.6	22	17.5	16.5	23	15.7	90	84	80	71	98	99	------
27	35.22	34.74	35.73	35.11	35.07	36.30	16.3	16.5	19.9	17.8	17.4	16.6	23.8	15.9	99	95	86	96	95	99	16 3
28	35.38	35.41	36.02	35.24	35.37	36.41	16.7	16.4	20.8	17.7	17	16.2	23.3	15.9	95	95	74	98	98	96	24.4
29	35.50	35.55	35.65	34.65	34.47	35.28	16.3	16.8	20.1	22.1	16.4	16.7	23.8	15.6	91	80	85	86	97	95	36.9
30	34.19	34.25	34.18	33.06	32.98	33.52	16.4	16.6	19.6	19.7	17.1	17	21.9	15.5	96	93	89	97	99	98	20.5
Mean	36.02	36.08	36.55	35.82	35.73	36.71	16.9	17.2	21.4	21.1	18.4	17.5	23.6	16.1	96.3	90.4	78.2	86.8	94.6	96.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	245.4

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	SE	EbyN	WSW	Calm	SE	188.8	139.4	59.3	64.6	452.1	10	----------	Cu.-N. ESE	10	----------	S.-Cu. ESE
2	E	SEbyE	ESE	SE	SE	SE	127.6	137.4	86.6	98.5	450.1	2	Ci.	S.-Cu. S	5	Ci.-S.	Cu.-N. SSE
3	E	SE	SE	WSW	WbyS	E	59.2	59.3	106.7	59.3	284.5	4	Ci. N	Cu.	10	----------	N. W
4	E	E	EbyS	WSW	WSW	E	117.8	121	93.5	37.8	370.1	7	Ci.-S. S	S.-Cu.	9	----------	Cu.-N. SW
5	E	Calm	ESE	SE	SW	E	47.7	85.6	77.2	46.7	257.2	5	Ci. ESE	Cu.	9	Ci.	Cu.-N. SSE
6	NE	ESE	E	SW	Calm	E	63	106	75.6	51.3	295.9	5	Ci.-S. N	S.-Cu.	7	Ci.	Cu. S
7	E	E	ESE	WSW	W	E	82.9	105.6	95.8	59.7	344	10	Ci.-S.	S.-Cu.	10	----------	Cu.-N. NE
8	E	ESE	SE	W	WSW	E	48.9	81.5	84.8	32	247.2	10	Ci.-S.	----------	10	----------	S.-Cu. SE
9	E	E	E	W	Calm	E	52.3	84.5	72.6	24.1	233.5	4	Ci.-S. NNW	----------	10	----------	Cu.-N. ESE
10	Calm	E	ENE	WSW	Calm	Calm	49.7	34.1	93.3	23.9	201	2	Ci. N	Cu.	10	----------	----------
11	E	E	ESE	WSW	WNW	E	48.1	48.6	94.8	101.2	292.7	1	Ci.	Cu.	10	----------	Cu.-N. NE
12	E	ESE	W	W	Calm	E	56.8	61	74.2	47	239	1	Ci.	Cu.	10	----------	N.
13	E	NE	WSW	SW	WSW	E	63.9	63.8	97.2	29.3	254.2	7	Ci.-S.	Cu.	10	----------	Cu.-N. E
14	E	Calm	E	WSW	Calm	Calm	28.4	50.1	85	27.1	190.6	10	----------	S.-Cu. E	8	----------	Cu.-N.
15	W	Calm	WSW	W	WSW	W	40.4	85.8	136	67.3	329.5	3	Ci. SE	S.-Cu.	10	----------	----------
16	E	W	WbyS	WSW	WNW	NW	43.8	138.1	201.9	137.3	521.1	10	----------	N.	10	----------	----------
17	W	NW	WSW	W	W	W	104.1	138.9	102.7	63.9	409.6	10	----------	----------	10	----------	----------
18	SE	E	SSE	WSW	SE	SE	60.4	77.5	83.4	76.2	297.5	10	----------	----------	9	Ci.	Fr.-N.
19	SE	ESE	SSE	SSE	SW	SE	93	95.5	115.4	131.2	435.1	10	----------	N.	10	A.-Cu.	N. S
20	SE	SE	SE	S	SW	SE	168.9	167.3	140.5	105.9	582.6	10	----------	N.	10	----------	N. S
21	SW	E	ESE	SE	E	E	126.1	105.9	88.2	134.2	454.4	10	A.-S.	Fr.-N.	10	A.-Cu.	S.-Cu. SSW
22	SE	SE	SE	WSW	WNW	NE	76.7	76.7	117.2	52.1	322.7	2	Ci.	Cu.	7	Ci.-Cu.	Cu.-N.
23	E	SW	WSW	W	NE	NE	53.6	60.4	108.3	41	263.3	1	Ci.	Cu.	9	----------	Cu.-N.
24	N	NE	WbyS	W	WNW	NW	52.3	71.3	112.1	53.3	289	5	Ci.	Cu.	10	----------	----------
25	W	WNW	WSW	W	NW	NW	82.1	98.5	135.7	81	397.3	7	Ci.	S.-Cu. WbyN	10	Ci.	S.-Cu. WbyN
26	W	NW	W	W	W	W	70.3	83.5	138.9	80.7	373.4	10	Ci.-S.	Cu.	10	Ci.-S.	Fr.-Cu. W
27	W	ENE	W	NW	W	W	44.9	96	123.6	60.4	324.9	10	A.-Cu.	S.-Cu.	10	----------	N.
28	W	W	W	W	W	N	55	81.5	120.2	44.5	301.2	10	A.-Cu.	S.-Cu.	10	----------	N.
29	NW	W	W	W	W	NW	48.9	58.4	109.7	26.9	243.9	9	Ci.-S. E	Cu.	10	----------	Fr.-N.
30	W	Calm	WSW	W	W	N	38	45.4	103	58.2	244.6	8	Ci.-S. E	Cu.	10	----------	----------
Mean	------	------	------	------	------	------	73.1	88.6	104.4	63.9	330.1	6.8	----------	----------	9.4	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	9,902.2	----	----------	----------	----	----------	----------

BAGUIO.

[$\phi = 16° 25'$ N; $\lambda = 120° 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

JULY, 1911.

Day.	Atmospheric pressure, 600 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	32.37	32.71	32.31	31.33	30.51	30.26	16.9	17	22.2	19.1	18.6	18.2	23.2	16.5	96	94	81	98	98	99	63.8
2	28.08	27.18	29.34	30.94	31.72	33.55	17.4	17	16.7	17	16.4	16.4	18.5	16.1	100	100	100	100	100	98	58.4
3	33.49	34.42	35.52	35.34	35.43	37.12	16.5	16.9	19	19.1	17.9	17	19.5	15.9	95	91	89	82	85	89	1.5
4	36.60	36.18	36.87	36.13	36.68	37.57	16.1	16.2	20.9	22.5	16.5	16.9	23.8	15.6	97	94	73	77	98	94	10.4
5	36.30	36.54	37.72	35.97	36.65	37.47	17 4	17.2	20.2	22.1	17	15.5	23.2	15.5	89	91	92	83	93	100	10.7
6	36.71	36.74	37.19	36.47	36.09	37.19	15.8	16	21.6	22.4	19.5	18.2	23.2	14.9	98	94	69	83	94	93	------
7	36.68	36.53	36.80	36.01	35.96	37.06	17.5	17.2	20.8	21	18.9	18	22.9	16	98	98	85	95	93	93	6.9
8	36.11	36.36	36.59	35.81	35.61	36.54	16.6	17.3	22	22.9	18.4	18.1	24.1	16.2	97	87	82	88	94	92	17.6
9	36.08	35.90	36.50	35.79	35.73	37.27	17.3	17.4	21	19.6	18.1	17.4	23.8	16.5	98	95	90	96	99	100	14.3
10	36.21	36.05	36.88	35.78	35.71	36.85	16.8	16.8	21	21	18.4	16.4	23.8	16.1	100	96	84	87	92	100	8.9
11	36.15	36.29	37.04	35.79	36.10	37.33	16.5	16.5	21.2	18	18	17.3	23.3	16.2	100	100	76	95	93	88	70.4
12	36.28	36.70	37.46	36.01	36.05	36.43	16.7	15.8	20	21	17.5	17.2	22.3	15.1	91	92	83	83	93	91	6.1
13	35.66	35.34	34.77	33.97	33.25	33.40	16.2	15.9	21.8	19.5	16.8	16.8	22.6	15.6	97	97	79	95	98	98	7.9
14	31.53	30.49	30.07	27.69	27.03	26.88	16.4	16.4	17	17.8	17	14.7	17.8	13.6	98	97	100	100	100	100	879.8
15	25.44	26.19	26.69	26.35	28.25	29.41	------	------	------	------	------	------	------	------	------	------	------	------	------	------	733.6
16	28.87	29.35	30.74	31.27	30.67	32.08	------	------	------	------	------	------	------	------	------	------	------	------	------	------	424.9
17	31.73	32.20	33.33	33.43	32.83	34.24	16.7	16.9	16.7	16.5	17	16.3	17.4	15.9	100	100	100	100	100	100	200.4
18	33.38	33.63	34.14	33.63	33.27	34.20	16.4	16.5	17	17.4	17.5	15.7	19.1	15.3	100	100	99	97	86	100	22.6
19	33.58	33.66	33.98	33.11	33.14	34.26	15.7	16.1	19.4	20.4	17.8	16.9	20.9	15.1	100	100	86	77	93	98	2.3
20	33.47	33.32	33.88	32.81	32.81	33.58	16.1	15.6	20	18.2	16	15.7	22.2	14.9	100	100	78	93	100	100	17.4
21	32.60	32.41	32.84	32.12	32.15	33.08	15.9	15.9	18.6	17	17	16.5	19.8	15.1	99	99	85	94	90	95	6.4
22	31.96	31.75	32.12	30.97	30.54	31.50	16.3	16.4	18.2	19	17.3	16.3	20.3	15.7	97	97	86	90	96	100	14.3
23	30.17	30.23	31.12	30.67	30.32	31.12	16.4	16.4	16.9	17.4	16.8	17.2	17.6	16	99	98	100	96	100	98	176.4
24	30.14	29.96	30.42	29.68	29.53	30.53	16.7	17.1	17.5	17.4	17	17.1	18	16.2	100	99	99	98	100	99	157.6
25	29.24	29.45	30.23	29.93	30.27	31.79	17.2	17.1	17.5	17.9	17.9	17.6	18	15.4	100	100	100	99	98	99	145
26	31.48	31.38	32.12	32.07	32.40	33.92	17.3	17.1	17.8	17.7	17.3	17.3	17.9	16.8	99	99	99	99	97	96	64.2
27	33.84	34.01	35.25	34.98	35.10	36.30	16.9	16.5	19.8	21.1	17.6	17.1	22.4	16.3	98	100	90	86	100	100	5.3
28	35.70	35.70	36.07	35.45	35.40	36.13	16.8	17	22	19.8	16.6	16.9	22.8	16.2	99	96	74	99	95	90	25.6
29	35.46	34.93	35.35	34.63	34.29	35.54	15.9	16.6	20.5	21.2	18.6	17.5	22.3	15.9	100	96	90	95	98	100	8.2
30	34.79	34.16	34.77	34.07	33.77	34.74	16.6	16.3	19.9	21.1	18.2	17.1	22.3	15.3	100	98	90	90	97	100	6.9
31	33.81	33.43	34.84	32.53	32.07	32.35	16.8	16.4	18.1	17.1	16.9	16.4	18.5	15.3	97	98	98	100	100	100	213.9
Mean	33.35	33.33	33.93	33.25	33.20	34.18	16.6	16.6	19.5	19.4	17.5	16.9	21.1	15.7	98	96.8	88.2	92.2	95.9	96.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	3,381.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NNW	N	NW	W	NW	NW	65.4	60.9	70.3	68.7	265.3	10	A.-S.	S.-Cu.ENE	10		N.
2	W	SSE	SSW	S	S	SSE	152.9	288	252.7	241.4	935	10	------	N.	10		N.
3	SSE	S	SE	S	SSE	SE	220.1	165.7	145.9	105.7	637.4	10	------	N. S	9	Ci.	Fr.-N. SSW
4	ESE	E	ESE	SW	W	E	131.7	78.9	88.5	60	359.1	10	A.-Cu.ESE	S.-Cu.	10	Ci.-S.	Cu.-N. SE
5	SE	E	W	W	NE	NE	67.6	88	111	51	317.6	10	Ci. NNE	Cu.	10	------	Fr.-N.
6	NE	NNE	SW	W	W	E	60.6	51.7	89	26.2	227.5	2	Ci.	Cu.	10	------	N. SE
7	Calm	NE	W	W	NE	SE	21.2	67.3	81.9	50.4	220.8	2	Ci.	Cu.	10	------	------
8	E	E	WSW	W	N	NW	77.2	55.3	102.5	33.5	268.5	1	Ci.	Cu.	10	------	N.
9	SE	SW	W	W	WNW	W	31.6	78.3	123.4	55.5	288.8	7	Ci.-S.	S.-Cu.	10	------	------
10	N	NW	WSW	W	NW	W	72.4	78.1	119.1	81.1	350.7	10	Ci.-S.	Fr.-Cu.	10	------	Cu.-N.
11	W	NW	W	W	NNW	N	66.3	70.3	109.4	49.9	295.9	10	Ci.-S.	Fr.-N.	10	------	------
12	N	W	W	W	NW	N	60.6	84.7	119.4	79.5	344.2	8	Ci.-S.	Cu.	8	A.-Cu.	Fr.-Cu. W N W
13	NW	N	S	WNW	NW	NW	65.4	59.2	129.2	109.7	363.5	10	Ci.-S.	Cu. N	10	------	------
14	NW	NW	W	W	W	WSW	159.9	190.9	268.7	458.6	1,078.1	10	------	------	10	------	------
15	WSW	WSW	W	SW	WSW	WSW	533.4	650.8	692.7	601	2,477.9	10	------	------	10	------	------
16	W	W	W	W	W	WSW	567.2	506	458.6	------	------	10	------	------	10	------	------
17	WSW	WNW	W	W	SW	W	------	------	------	115.1	------	10	------	------	10	------	------
18	W	W	W	WSW	W	E	93.1	------	------	54.1	------	10	------	------	10	------	------
19	W	E	ESE	SW	SE	SE	50.7	74.8	50.2	43.1	218.8	10	------	S.	10	Ci.-S.	Fr.-N.
20	SE	E	SE	SE	SE	E	42.6	52.6	132.8	127.1	355.1	10	A.-Cu.	------	10	------	------
21	SE	E	SSE	W	WSW	S	64.6	95	133.8	85.9	379.3	10	------	N.	10	------	N.
22	SW	SE	SSE	SW	S	SW	85.6	70	70.2	75.4	301.2	10	------	N.	10	------	N.
23	S	SW	W	SW	SW	SW	112.7?	275.7	238.4	312.2	939	10	------	N.	10	------	N.
24	SW	SW	SW	SW	SW	SW	272.4	339.8	417.6	418.4	1,448.2	10	------	------	10	------	------
25	SW	WSW	SW	SW	SW	SW	439.3	497.2	431.5	315.1	1,683.1	10	------	------	10	------	------
26	WSW	WSW	SW	SW	SW	WSW	304.4	321.5	207.6	119.6	953.1	10	------	------	10	------	------
27	SW	SE	Calm	W	W	SE	67.3	46.2	124.2	35.1	272.8	10	------	------	10	------	Fr.-N.
28	E	Calm	S	W	W	SW	35.9	64.2	82.1	51.5	233.7	10	------	S.-Cu.	10	------	------
29	Calm	E	W	W	W	W	52.1	52.5	75.1	30.4	210.1	8	Ci.-S.	Cu.	10	------	------
30	W	Calm	W	W	W	W	18	48.9	81.1	32.5	180.5	7	Ci.-S.	Cu.	10	------	Fr.-N.
31	NW	N	WNW	WSW	W	W	67.1	78.1	175.4	247.8	568.4	10	------	N.	10	------	------
Mean	------	------	------	------	------	------	135.3	158.3	178.7	137.8	577.6	8.9	------	------	9.9	------	------

BAGUIO.

[$\phi = 16°\ 25'$ N; $\lambda = 120°\ 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, −1.65 mm.]

AUGUST, 1911.

Day.	Atmospheric pressure, 600 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1	31.07	30.60	30.83	30.18	30.33	31.94	16	15.6	16	16.1	16.4	15.6	16.8	14.9	100	100	100	99	100	100	251.5
2	31.38	31.77	32.90	32.68	32.74	34.29	15.2	15.8	18.4	19	17	15.7	19.1	13.5	100	100	79	83	99	100	39.3
3	33.27	33.15	34.14	33.10	33.43	34.75	16.6	16.7	19	20.4	17.9	17.2	21.3	16.2	100	99	92	84	88	94	23
4	33.77	34.03	34.56	34.06	33.57	35.09	17.2	17	19.4	17.2	17.5	16.9	21	16.4	93	90	86	99	100	100	10.4
5	34.21	34.09	34.55	34.46	34.74	36.24	16.4	16.8	19.9	22	18.8	16.5	22.6	16.1	100	96	85	76	96	100	6.6
6	34.75	35.16	36.40	35.50	35.50	36.58	16.4	16.1	18.8	22.2	18.4	16.7	22.4	15.9	100	99	88	67	88	95	------
7	35.46	35.58	36.15	35.77	35.55	35.88	16.5	16.4	20.4	19.2	17.9	16.2	21.5	15.2	97	100	86	89	96	100	------
8	34.80	34.38	34.74	33.91	33.43	33.95	16	15.9	17.4	18	17	16.3	19.2	15	99	100	99	99	100	100	30.6
9	33.19	32.98	33.07	31.91	31.42	32.61	16.5	16.1	17.1	17.4	16.9	16.4	17.8	15.2	98	100	100	100	100	100	174.5
10	31.42	31.13	31.82	31.22	31.23	31.78	16.3	16.7	16.5	16.5	16.4	16.7	17.5	15.5	100	100	100	100	100	99	271.7
11	30.92	31.02	32.32	32.09	32.33	33.81	17.4	16.9	17.4	17.4	17.4	17.1	18.1	15.9	96	100	99	99	100	100	90.9
12	32.83	32.89	33.42	33.05	32.92	34.06	16.8	16.9	16.7	17.7	16.5	16.8	17.8	15.7	100	100	100	100	100	98	103.9
13	33.24	33.01	33.12	32.22	31.93	32.84	16.4	16.5	17	16.9	17	------	17.8	15.4	-----	100	100	99	100	-----	176.5
14	32	31.92	33.12	32.84	33.10	34.67	------	16.9	17.2	17	17.1	15.9	18.2	15.1	-----	100	100	100	100	-----	104.3
15	34.10	34.47	35.55	35.50	35.72	36.48	------	17.1	17.4	16.9	16	16.4	17.8	15.3	-----	100	100	100	100	-----	23.9
16	35.99	36.30	36.90	36.36	36.45	37.40	15.7	15.9	16.9	19.5	17.3	16	20.7	15.3	100	100	99	88	98	100	5.4
17	35.85	36.09	36.24	35.46	35.18	36.22	16	15.8	19.5	21.5	16.8	16	22.4	15.3	97	97	78	82	98	100	35.5
18	34.91	34.75	35.03	33.70	33.68	34.83	16.1	15.9	16.9	16.4	16.6	15.4	18	15	99	100	100	100	100	100	54.1
19	33.98	33.93	34.46	33.48	33.70	34.82	15.3	14.9	17.8	18.7	16.7	15.9	19.8	14.5	100	97	96	94	99	100	4.8
20	34.03	34.15	34.55	33.70	33.85	34.85	15.9	15.9	17.9	18.4	16.4	15.8	20.8	15.4	100	100	98	94	97	100	15.7
21	34.19	34.14	34.81	33.86	33.82	34.90	15.5	15.7	19.6	21.9	17.8	16	23.3	15	99	94	79	74	99	100	12.5
22	34.14	33.87	34.62	33.93	33.81	35.30	15.2	16.3	20.9	20.9	17.5	17.3	23.3	14.9	100	90	67	90	100	96	4.1
23	34.23	33.57	34.51	33.98	34.35	35.34	16.1	16	21.5	21.4	17.4	16.5	23.5	15.2	98	89	70	88	100	100	.3
24	34.08	34.02	34.67	32.94	32.96	33.35	15.9	15	19.1	18	16	15.6	20.3	14.6	98	99	79	92	92	97	57.1
25	32.24	31.14	31.69	30.12	30.05	30.92	15.7	16.5	17.4	17	16.7	15.5	18.8	15.2	100	100	100	100	99	100	337
26	29.11	29.45	29.83	29.81	30.70	32.72	17.4	16.8	17.4	17.6	17.4	17.1	18	15.4	96	99	100	100	100	100	166.1
27	32.40	32.84	33.59	33.60	33.87	35.28	16.6	16.4	17.6	20.3	17	16.2	21.2	15.5	100	100	95	83	98	99	------
28	34.89	35.10	35.92	35.05	35.13	35.76	16.5	17.2	17.9	18.6	17.9	17.3	18.8	15.9	98	99	100	100	100	100	64.9
29	34.71	34.72	35.39	34.45	34.19	34.17	17.5	16.9	16.8	17.5	17.9	18	18	16.3	98	100	100	100	100	98	159.8
30	33.57	33.36	34.47	33.76	33.60	33.97	16.4	16.4	17.1	17.4	16.7	16.3	18.4	15	100	99	100	99	100	100	47.8
31	33.02	32.62	33.47	32.30	32.79	34.03	16.3	16.5	16.8	17.9	17	17	18	14.7	100	100	100	100	100	100	249.5
Mean	33.48	33.43	34.09	33.39	33.42	34.48	16.3	16.3	18.1	18.6	17.1	16.4	19.7	15.3	98.8	98.3	92.7	92.8	98.3	99.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	2,521.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	W	W	WSW	SW	SW	SW	296.1	345.1	346.7	399.7	1,387.6	10	----------	----------	10	----------	----------
2	SW	SW	SW	SW	SW	WSW	369.5	270.3	225.3	178.6	1,043.7	10	----------	N.	10	----------	Fr.-N. SW
3	S	SSE	SSW	SW	SW	W	70.5	105.7	129	79.1	384.3	10	----------	N. SW	10	A.-Cu.	Fr.-N. SSW
4	SW	SSE	SW	WSW	SW	SW	69.5	77.2	138.4	122.3	407.4	8	Ci.	S.-cf. SSW	10	----------	----------
5	SW	SE	S	W	Calm	Calm	70	70.3	113.8	54.2	308.3	10	----------	S.-cu. SSW	10	Ci.-S.	S.-Cu. SSW
6	W	W	W	W	NW	Calm	37.5	80.3	105.7	21.4	244.9	10	Ci.-S.	Cu.	10	Ci.-S. NE	Cu. WSW
7	W	W	W	W	W	NW	44	79.1	92.2	63.9	279.2	10	----------	----------	10	----------	----------
8	NW	WNW	W	WNW	W	NW	96.3	111	160.1	144.8	512.2	10	----------	----------	10	----------	----------
9	W	WNW	W	W	W	W	190.4	238.4	288	279.7	996.5	10	----------	----------	10	----------	----------
10	W	W	W	W	NW	WNW	389.7	321.8	331.8	302.2	1,345.5	10	----------	----------	10	----------	----------
11	SW	W	WSW	W	WSW	WSW	330.7	310.6	232.8	203.9	1,078	10	----------	----------	10	----------	----------
12	WSW	WSW	W	W	WSW	W	217.7	229.8	165.1	116.9	729.5	10	----------	----------	10	----------	----------
13	SW	SW	WSW	SW	W	WSW	118.8	167.8	223.2	238.1	747.9	10	----------	----------	10	----------	----------
14	WSW	SW	SW	WSW	WSW	SW	307.3	287.2	251.8	122.9	969.2	10	----------	----------	10	----------	----------
15	W	SW	SW	WSW	WSW	WSW	151.3	143.8	193.4	104.4	592.9	10	----------	----------	10	----------	----------
16	SW	Calm	SW	W	W	NE	54.7	117.2	118.9	32.8	323.6	10	----------	N.	9	A.-Cu.	Fr.-N. WSW
17	SE	W	W	W	W	W	44	69	125.5	96.3	334.8	10	----------	Fr.-N. WSW	9	Ci.-S.	Fr.-N. WSW
18	W	W	WSW	W	WSW	SW	68.1	130.9	138.4	90.1	427.5	10	----------	----------	10	----------	----------
19	W	W	W	W	W	SE	89.1	104.3	89.5	38.1	321	9	Ci.-Cu. E	Cu.	10	----------	Fr.-N.
20	W	Calm	WSW	SW	SE	SE	29.6	35.7	50.1	93	208.4	10	A.-Cu.	S.-Cu.	10	----------	Fr.-N.
21	SE	ESE	ESE	SSE	Calm	SE	85	93.9	48.6	66	293.5	8	Ci. NEbyE	Cu.	7	Ci.-S.	S.-Cu. ESE
22	E	E	ESE	W	SW	SE	117.8	90.1	58.2	89.5	355.6	2	Ci.	Cu.	10	----------	S.-Cu.
23	E	ESE	E	WSW	W	NE	114	101.7	78.1	44.8	338.6	10	Ci.-S. NE	Cu.	10	----------	S.-Cu.
24	W	NE	NW	Calm	NW	WNW	45.6	57.3	49.1	122.8	274.8	10	A.-Cu. E	S.-Cu.	10	----------	N.
25	W	W	NW	WNW	WSW	NW	163.6	179.9	306.5	230.1	880.1	10	----------	----------	10	----------	----------
26	W	W	W	W	W	WSW	417.4	422.6	431.8	282.6	1,554.4	10	----------	----------	10	----------	----------
27	W	WSW	WSW	WSW	WSW	SW	154	123.9	133	71	481.9	10	----------	----------	10	Ci.-S.	S.-Cu. WSW
28	S	W	SW	WSW	W	W	59	158.8	223.1	203.5	644.4	10	----------	----------	10	----------	----------
29	WSW	WSW	WSW	W	W	WSW	273.8	243	235.9	254	1,006.7	10	----------	----------	10	----------	----------
30	WSW	W	WSW	WNW	W	W	271.9	262.8	284.2	287	1,105.9	10	----------	----------	10	----------	----------
31	WSW	SW	WSW	W	W	W	337.4	427.2	450.5	307.3	1,522.4	10	----------	----------	10	----------	----------
Mean	------	------	------	------	------	------	164	176	187.7	152.9	680.7	9.6	----------	----------	9.8	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	21,100.7	----	----------	----------	----	----------	----------

BAGUIO.

[$\phi = 16°\ 25'$ N; $\lambda = 120°\ 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

SEPTEMBER, 1911.

Day.	Atmospheric pressure, 600 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	33.39	33.44	34.60	34.10	34.82	36.36	17.3	17.4	17.8	17	17.4	17	18.2	16.3	100	100	100	100	99	100	86.8
2	35.60	35.73	36.22	35.61	35.43	36.32	16.6	16.9	17.7	18.5	17.5	16.1	19.2	15.5	100	100	100	96	100	100	2.5
3	35.46	35.50	36	35.28	35.81	36.55	15.1	15.3	20.5	21.8	18.1	16.4	22.7	14.7	100	97	85	74	93	99	------
4	35.85	35.70	36.55	36.08	35.85	36.99	15.8	15.5	20.7	20.4	17.7	17	21.3	15.2	98	97	80	81	96	93	------
5	36.02	35.75	36.78	35.98	35.95	36.85	16.4	15.7	20.4	21.4	18.5	17	22.8	15.5	91	97	76	79	91	95	------
6	35.55	35.45	36.71	36.19	36.17	37.21	16.4	17.3	21	20.1	17.4	17.4	22.9	15.9	96	94	83	90	97	89	1.6
7	36.94	36.48	37.42	36.23	36.56	37.22	16.4	17.3	21.8	19.4	17.7	16.5	24.1	15.5	91	77	72	88	91	93	.5
8	36.48	35.99	36.93	35.60	35.45	36.38	16.4	16.9	22.8	20	18.6	17.9	24.3	16.3	93	82	66	95	97	98	------
9	35.61	35.68	36.44	35.40	35.69	37.07	16.7	16.9	22.9	20.6	18.7	17.3	24.8	16.5	100	93	64	92	95	96	------
10	36.55	36.43	37.19	36.55	36.58	37.42	15.7	16.6	22.8	20.4	18.5	17.5	23.9	15.5	100	83	67	91	95	92	------
11	36.77	36.81	37.89	36.92	36.75	37.45	17.2	17.3	20.4	20.9	19.1	18.5	21.8	16.5	89	88	88	87	75	78	------
12	36.66	36.87	37.29	35.89	35.93	36.92	16.8	17.6	21.5	20.5	19.2	17.8	23.8	16.1	91	78	80	91	90	96	13.9
13	36.16	36.19	36.74	35.01	35.23	36.17	17	17.3	22.5	18.1	18.5	17.4	23.8	16.3	100	91	78	81	96	98	26
14	35.21	35.35	35.84	34.58	34.77	35.60	16.2	16.4	19.7	21.9	16.6	16.7	23.7	15.7	100	100	88	84	98	92	35.1
15	34.63	34.62	35.11	33.86	33.87	34.37	16.2	15.8	20.5	21.8	19.8	17.4	22.6	15.4	96	94	74	85	85	90	------
16	33.22	33.22	33.71	32.36	31.86	32.11	17.3	16.9	19.3	18.9	17.5	17.5	19.8	16.5	88	92	92	89	99	98	90.9
17	31.05	30.96	32.40	30.82	31.03	32.30	17.8	17.9	14.4	16.9	17	16.8	17.9	14	97	97	98	100	100	97	110.6
18	31.64	32.18	33.15	33.12	33.29	34.49	16.2	15.9	17.4	18.9	16.7	16	19.6	15.5	98	100	93	80	91	96	------
19	33.30	33.39	34.60	33.61	34.11	35.71	15.7	14.9	21	19.8	17.6	17.3	23.1	14.6	92	97	73	92	98	96	42.7
20	35	35.20	36.23	35.36	35.72	36.80	16.3	15.8	20.4	21	17.4	16.7	22.8	15.1	92	88	82	81	99	100	18.5
21	36.18	36.16	36.58	35.37	35.20	36.16	16.4	16.4	20.6	17	16.3	16.4	21.6	16	99	97	91	99	98	95	22.9
22	34.87	34.52	35.03	34.11	34.71	35.82	16.7	16.9	20.7	20.1	17.9	17.5	23.3	16.4	94	92	82	96	92	92	4.4
23	35.03	34.93	36.09	35.02	35.63	37.02	16 8	15.9	21.6	21.4	18.8	17.6	24.6	15.4	93	92	58	89	95	96	------
24	36.21	36.13	36.89	35.80	35.91	36.89	16.5	16	19.6	19.9	18.3	17.4	23.2	15.5	99	97	88	95	98	100	4.8
25	36.08	36.02	36.39	35.02	35.01	35.71	16.6	16.4	21.1	23.1	18.4	18.1	23.9	15.7	100	97	84	82	96	93	------
26	34.31	33.61	33.99	32.10	31.48	31.34	17.5	16.9	21.5	21.9	18.4	17.6	24.2	16.7	96	94	79	84	96	99	19.1
27	29.10	27.63	25.96	22.55	21.93	23.14	16.6	17.4	17.6	17.4	17.9	17.8	18.2	16.3	100	100	100	100	100	96	799.8
28	21.33	23.75	27.73	28.07	29.20	30.61	17.2	15.9	14.9	14.7	15.4	16.2	17.6	14.1	97	100	100	100	100	88	223.7
29	30.42	31.24	32.39	30.72	31.54	32.89	16.2	16.3	16.6	17.2	16.5	16.4	18.7	15.3	87	87	93	90	97	96	109.7
30	32.14	32.74	33.77	32.55	33.12	34.32	16.4	16.1	16.8	16.4	15.9	15.4	17.6	14.3	98	97	90	99	98	100	89.7
Mean	34.23	34.26	35.09	34	34.15	35.14	16.5	16.5	19.9	19.6	17.8	17.1	21.9	15.6	95.8	92.7	83.5	89.7	95.2	95	------
Total	-------	-------	-------	-------	-------	-------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	1,703.2

Day.	Wind. Direction.						Wind. Total movement in 6 hours.				Wind. Total movement in 24 hours.	Clouds. 6 a. m.			Clouds. 2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.		Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	W	WSW	WSW	SW	W	WSW	397.9	391.3	380.5	222.1	1,391.8	10	----------	----------	10	----------	----------
2	WSW	WSW	WSW	W	W	W	160.9	186.3	131.8	58.2	537.2	10	----------	----------	10	----------	Fr.-N.
3	E	E	W	W	W	W	54.1	75.9	115.7	54.2	299.9	9	Ci.-S.	Cu.	5	Ci.	s.-Cu. WSW
4	W	SE	W	WSW	SE	W	48.9	89.8	115.9	24.3	278.9	10	Ci.-S.	Cu.	10	Ci.-S.	S.-Cu. SW
5	N	W	WSW	W	W	Calm	53.9	129	112.1	21.7	316.7	10	A.-S.	S.-Cu.	10	Ci.-S.	S.-Cu. SSW
6	SE	SE	W	W	W	W	57.1	73.7	137.6	54.7	323.1	9	Ci.-S.	Cu.	10	----------	Fr.-N. W
7	NW	Calm	WSW	WSW	N	NE	31.4	58.9	101.2	66	257.5	1	Ci.	Cu.	10	----------	----------
8	E	ESE	WSW	W	Calm	SE	74.5	66.2	92.7	46.5	279.9	2	Ci.	Cu.	10	----------	----------
9	E	E	ESE	W	W	E	109.4	83.4	81.6	27.6	302	0	Ci.	Cu.	10	----------	----------
10	NE	SEbyE	NW	W	SW	E	47.7	46.9	67	39.1	200.7	0	Ci.	Cu.	10	Ci.-S.	S.-Cu.
11	E	Calm	WSW	SW	E	ESE	38.6	44.9	87.5	123.3	294.3	10	A.-Cu. ENE	S.-Cu.	10	Ci.-S.	S.-Cu. E
12	E	E	ESE	WSW	NE	SE	64.9	62.8	67.3	44.9	239.9	8	A.-Cu.	Cu.	10	----------	----------
13	E	NE	SW	S	NE	SE	48.9	56	75.4	54.2	234.5	0	Ci.	Cu.	9	----------	N.
14	NE	WNW	WSW	W	WSW	W	55.2	72.4	96.6	44.1	268.3	10	----------	Fr.-N.	10	----------	----------
15	NW	Calm	WSW	WSW	Calm	NE	54.5	69.4	78.6	26.9	229.4	10	A.-S. ENE	Cu.	10	Ci.-S.	S.-Cu. ENE
16	NW	WNW	WNW	WNW	WNW	WNW	67	108.9	131	148.9	455.8	10	Ci.-S.	S.-Cu. NEbyN	10	A.-S.	Fr.-N. WNW
17	WNW	W	WSW	SW	WSW	WSW	311.4	376.8	358.5	209	1,255.7	10	----------	----------	10	----------	----------
18	SSE	SSE	SE	SE	SE	ESE	94.4	108.8	98	159.6	460.8	10	A.-S.	Fr.-N. SSE	10	A.-S.	Cu.
19	SE	E	SE	W	W	W	122.1	87.4	50.4	34.9	294.8	9	ci.,ci.-cu. NNW	Cu.	10	Ci.	Fr-N.
20	W	Calm	W	W	W	Calm	21.2	45.1	90.6	31.1	188	9	A.-Cu.	Cu.	9	Ci.	Fr.-N. WNW
21	E	E	W	WNW	NE	E	42	53.4	90.1	63	248.5	9	A.-Cu. NE	Cu.	10	----------	----------
22	S	SE	WSW	WSW	SE	ESE	65.5	48.8	61.4	87.2	262.9	10	Ci.-S. ENE	Cu.	10	----------	----------
23	E	E	E	W	Calm	NE	121.3	98	73.7	27.7	320.7	3	Ci.	Cu.	10	----------	Cu.-N.
24	Calm	N	WSW	W	Calm	SE	34.3	57.4	81.1	26.9	199.7	7	Ci. SSE	Cu.	10	----------	----------
25	W	NW	WSW	W	W	W	39.6	58.9	92.5	48.8	239.8	1	Ci.	Cu.	9	----------	Cu.-N.
26	N	W	WSW	W	NW	NW	59.8	55	110.7	117.7	343.2	10	A.-S.	Cu.	10	A.-Cu.	Fr.-N. NNW
27	NW	WNW	W	WNW	W	WSW	166.7	403.4	693.5	711.5	1,975.1	10	----------	----------	10	----------	----------
28	SW	SW	SW	SW	SW	SW	808.5	694.3	474.7	289.3	2,266.8	10	----------	----------	10	----------	N. SW
29	SW	SW	SW	SW	SW	SW	238.8	306.7	364.9	332.1	1,242.5	10	A.-S.	N. SW by S	10	----------	Fr.-N. SW by S
30	SW	SW	SW	WSW	SW	SW	384	328.8	330.3	171.2	1,214.3	10	----------	N. SW by S	10	----------	N. SW by S
Mean	------	------	------	------	------	------	129.2	144.6	161.4	112.2	547.4	7.6	----------	----------	9.7	----------	----------
Total	------	------	------	------	------	------	-----	-----	-----	-----	16,422.7	----	----------	----------	----	----------	----------

BAGUIO.

[$\phi = 16° 25'$ N; $\lambda = 120° 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

OCTOBER, 1911.

Day.	Atmospheric pressure, 600 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	33.48	34.03	35.58	34.45	35.31	36.57	16.5	16.2	17.4	17.4	16.5	16.1	19.3	15.2	93	98	91	95	100	97	46.5
2	36.11	36.78	38.15	37.37	57.76	38.97	16.4	16.6	20.4	22	18	17.6	22.8	15.6	91	85	77	75	99	97	
3	37.73	37.89	38.68	37.40	37.64	38.08	16.7	16.6	21.5	21.1	17.1	17.2	23.3	16	100	94	87	91	99	88	7.7
4	36.95	36.82	37.64	36.18	36.31	37.45	16.9	16.7	21	20.5	17.5	16.7	23.3	16.2	91	91	75	90	95	90	5.9
5	36.65	36.61	37.50	36.23	36.33	37.12	16.2	15.9	20.3	20.5	17.5	17.5	23.2	15.1	85	75	87	94	95	88	7.9
6	36.21	36.10	37.66	36.25	36.78	37.76	16.7	15.9	19.4	18.9	17.1	16.8	22.3	15.5	96	100	92	93	98	94	3.6
7	36.64	36.86	38.19	37.03	37.56	38.46	16.4	16.9	19.8	21.6	18.1	17.3	23.3	16	93	78	89	86	97	98	.5
8	37.50	37.85	39.07	37.65	38	39.09	15.9	15.8	19.5	22.5	18.2	16.9	23.4	15.5	100	100	93	82	96	98	
9	38.38	38.52	39.24	37.96	37.93	38.50	16.7	16.5	21.7	21	18.9	17	23.8	15.9	89	78	79	89	86	89	
10	37.66	37.73	38.89	37.35	37.32	37.88	16.6	16.9	23.7	21.3	18.6	17.6	24.4	15.9	80	71	45	86	84	91	
11	37.19	37.09	37.84	36.48	36.73	37.63	16.5	16.2	20	22.4	17.9	17.2	23.8	15.6	97	96	85	81	91	96	2.5
12	36.83	36.83	37.74	36.46	36.86	37.58	16 3	16.9	20.9	19.5	18.2	17.3	22.7	16	97	91	84	93	94	89	2.6
13	36.84	37.20	37.95	36.26	36.65	37.63	16.3	16.4	23.1	21.9	18.7	17.7	24.3	16	96	87	73	91	86	94	1
14	36.46	36.64	37.73	36.38	36.64	37.65	16.8	16.4	20.9	21.9	18.2	17.5	23.3	16	96	97	85	86	89	93	
15	36.31	36.73	37.45	36.24	36.52	37.61	16.8	16.4	21	19.5	18	16.9	23.9	15.9	93	95	83	95	96	100	17.5
16	36.65	36.94	37.79	36.05	36.57	37.59	16.4	16.2	19.4	19.9	17.2	16.4	21.9	15.9	100	97	91	90	98	100	27.7
17	36.96	37.43	38.19	36.66	37.08	38.39	16.2	16.2	21.5	19.9	17.5	16.5	22.8	15.3	99	95	87	93	96	97	5.6
18	37.75	38.11	39.31	38.01	38.10	39.11	15.9	16.1	21.5	19.9	16.9	16	23.5	15.3	92	87	73	76	87	86	
19	37.92	37.98	38.45	37.06	37.24	38.21	15	15.5	21.4	19.8	17.6	15.8	23.3	14.7	88	83	62	92	99	99	10.7
20	37.07	37.09	37.89	36.54	36.79	37.99	14.7	14	21	21.4	17.5	15.7	23.4	13.9	99	95	59	84	97	97	.3
21	37.20	37.45	38.20	36.88	37	38.43	15.5	15.3	19.5	20.4	17.4	15.7	23	14.5	92	88	88	83	86	84	
22	37.87	38.16	39	38.10	38.11	38.51	15.2	14.4	19.4	21.1	16.7	15.3	21.6	14.1	78	83	78	77	95	92	
23	38.25	38.45	39.34	37.99	37.95	38.52	14.6	14.4	19.6	19.4	17.3	16.7	22.3	14	87	77	77	85	95	96	
24	38.05	38.57	39.08	37.58	37.81	38.41	15	14.9	19.5	21.9	17.5	16.5	22.8	14.5	100	98	85	80	99	99	4.6
25	37.96	38.42	39.21	38.04	38.12	38.83	15.5	15.7	19.1	19.8	17.4	16.3	22.2	15.1	100	92	91	90	96	97	
26	38.09	38.26	39.45	37.96	38.44	39.33	15.6	15.5	21.4	21.6	17.5	16.5	24.3	15	98	92	78	79	96	97	
27	38.67	38.76	39.49	38.24	38.41	39.43	15.9	15	20.6	20.8	17.2	16.5	22.8	14.9	99	99	78	85	95	95	
28	38.44	39.11	40.05	38.69	38.90	39.78	15.5	14.8	21	20.2	18	16.3	22.4	14.6	97	98	80	89	98	100	
29	38.63	38.70	39.85	38.59	38.82	39.39	15.7	15.7	21.4	20.2	17.6	16.6	23	15	100	92	78	89	98	97	
30	38.51	38.79	39.89	38.56	38.74	39.14	15.8	14.9	21.4	20.9	18.2	16.5	23.2	14.7	98	100	78	83	88	94	
31	37.95	38.10	39.29	37.82	38	38.97	15.4	15.3	22	20.5	18.2	17.4	24.3	14.1	96	81	54	88	97	92	
Mean	37.32	37.55	38.51	37.18	37.43	38.32	16	15.8	20.7	20.6	17.7	16.7	23	15.2	94.2	90.1	79.4	86.8	94.4	94.3	
Total																					144.6

Day.	Wind.										Clouds.				
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	SW	SSW	SW	WSW	ESE	276.5	243.5	189.1	88.5	797.6	10		N. SWbyS	10		N. SSW
2	SSW	S	SEbyE	W	Calm	E	82.7	59.5	81.5	41	264.7	10	A.-S.	S.-Cu. SSW	8	Ci.-S.	cu.-N. SW
3	E	E	SW	WNW	NE	NE	59.8	53.1	101.4	67	281.3	10	Ci.-S.	Cu.	10		
4	SE	Calm	WSW	W	WNW	NNE	45.3	61.4	86.9	51.8	245.4	1	Ci.	Cu.	10		N. WNW
5	N	NW	WSW	W	NE	SE	24.9	59.2	86.3	61.5	231.9	9	Ci.-S. NEbyE	Cu.	9	Ci.	Cu.-N.
6	SE	ESE	WSW	W	W	E	67.1	66	108.6	57.1	298.8	10			10	A.-S.	N.
7	E	SE	WSW	W	NE	SE	73.8	50.1	64.7	49.9	238.5	8	A.-Cu. ESE	Cu.	9		Fr.-N.
8	NE	NE	W	WSW	Calm	SE	61.5	66.8	80.5	31.1	239.9	3	Ci.	Cu.	9		Cu.-N.
9	E	NE	WSW	WSW	SE	E	71.8	43.3	61	95.2	271.3	0	Ci.	Cu.	10		
10	E	E	SE	WSW	Calm	E	71.3	58.2	89.1	36	254.6	7	Ci.	Cu.	10		
11	NE	NE	W	W	W	SW	48.9	49.6	94.3	62.3	255.1	0	Ci.	Cu.	10		
12	E	SE	WSW	N	N	W	87.4	53.4	47	47.8	235.6	7	Ci.	Cu.	9	Ci.	S.-Cu. E
13	SE	ESE	WSW	W	Calm	W	44.1	57.7	70	44.3	216.1	8	Ci.-S. SbyE	Cu.	10	Ci.-S.	N. ESE
14	NW	W	WSW	NW	E	SW	40.2	56.9	91.2	42.8	231.1	5	Ci.	Cu.	9		Cu.-N.
15	Calm	W	WSW	W	W	E	27.9	58.7	68.7	41.5	196.8	5	A.-Cu. S	Cu.	10		N.
16	E	E	W	W	E	E	51.8	70	53.7	54.9	230.4	2	Ci.	Cu.	10		N.
17	SE	W	SW	W	E	E	30.4	58.4	63.8	77.5	230.1	2	Ci.	S.-Cu.	10		
18	E	SE	E	SSE	ESE	E	66.6	44.8	66.8	126.9	305.1	8	Ci.	S.-Cu.	10	A.-Cu.	N.
19	E	ESE	E	W	WSW	SE	99.3	83.7	64.1	98.8	345.9	8	A.-Cu.	Cu.	9		Cu.-N.
20	ESE	E	EbyN	WSW	Calm	E	120.4	89.6	79.7	78.9	368.6	1	Ci.	S.-Cu.	9		S.-Cu. NEbyE
21	NE	E	WSW	W	E	SE	60.9	68.4	71.4	97.4	298.1	0	Ci.	Cu.	10		S.-Cu.
22	E	NE	WSW	WSW	SSE	ESE	74.2	49.6	54.4	81.8	260	1	Ci.	Cu.	8		S.-Cu. NE
23	E	E	SW	WNW	Calm	Calm	87.7	69.4	73	31.6	261.7	1	Ci.	Cu.	10		S.-Cu.
24	E	NNE	WSW	WSW	Calm	SE	55.7	58.7	59.8	28.5	202.7	9		S. N	9		S.-Cu. SW
25	E	NE	WSW	W	W	N	46.9	35.9	83.5	17.7	184	4	A.-Cu. S	S.-Cu.	9		Fr.-N.
26	NE	SE	WSW	W	W	SE	45.6	59.8	91.4	33.5	230.3	3	Ci.	S.-Cu. WNW	10		S.-Cu.
27	SE	Calm	WSW	W	NE	Calm	31.9	56.3	85.5	34.4	208.1	0	Ci.	Cu.	10		
28	SE	NE	WSW	W	SE	E	45.1	52	57.3	58.5	212.9	10			10		
29	E	Calm	WSW	W	S	Calm	78.7	49.3	77	41.5	246.5	0	Ci.	Cu.	10		
30	E	E	WSW	W	SE	E	66.5	70.8	74.3	65.8	277.4	1	Ci.	Cu.	10		S.-Cu.
31	NE	SE	SE	W	Calm	SE	69	93.8	75.6	48.3	286.7	0	Ci.	Cu.	10		
Mean							68.2	66.1	79.1	57.9	271.2	4.6			9.6		
Total											8,407.2						

BAGUIO.

[$\phi = 16°\ 25'$ N; $\lambda = 120°\ 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

NOVEMBER, 1911.

Day.	Atmospheric pressure, 600 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	37.99	38.11	38.97	37.21	37.29	38.27	16.1	15.7	22	21.5	17.2	16.9	23.9	15.1	93	92	78	81	98	95	16.8
2	37.40	37.89	39.02	37.13	37.73	38.65	15.6	15.3	19.9	21.5	17.2	16	23	14.8	99	99	87	80	98	97	------
3	37.72	38.04	38.58	37	37.40	38.29	15	14.9	19.4	21.9	16.9	15.4	23.2	14.1	98	98	84	82	91	98	------
4	37.28	37.17	37.77	35.93	36.11	36.82	14.9	14.4	20	20.2	16.2	14.4	21.8	13.8	93	97	79	80	98	100	------
5	35.85	35.54	36.04	34.75	34.91	35.92	14.1	12.9	18.4	17.6	14.9	14	21.2	12.6	93	94	73	92	86	84	------
6	35.13	34.90	35.69	34.32	34.65	35.93	13.3	12.9	19.9	21.4	16.6	16	21.9	12	87	78	56	75	94	92	------
7	35.31	35.33	36.25	35.05	35.78	36.88	15.5	14.9	19.8	19.8	16.5	15.3	22.2	14	85	89	72	81	95	95	------
8	36.28	36.98	38.21	36.94	37.64	38.54	14.6	14.7	18.5	20.9	16.4	14.8	21.8	14.1	97	92	80	70	94	100	------
9	38.25	38.60	39.56	38.40	38.81	39.48	13.8	13.9	17.9	18.8	15.5	14.8	22.1	13.6	100	98	83	84	95	91	------
10	38.95	39.08	39.60	38.50	38.38	38.80	13.6	13.3	19	18.9	15.3	13.6	22	12.4	99	93	70	81	91	93	------
11	37.87	38.33	39.20	37.84	38.12	38.66	12.1	11	18	17.8	14.9	13.3	21.2	10.9	87	80	53	82	91	87	------
12	38.10	38.20	38.94	37.56	37.75	38.59	12.5	13	18.3	20.7	14.9	14.4	22.1	11.7	83	75	58	51	77	74	------
13	37.98	38.02	38.98	38.02	38.27	39.04	13.6	13.9	19	22.3	16.7	14.9	23.4	12.6	81	78	59	68	81	87	------
14	37.86	38.04	39.01	37.66	38.19	39.03	14.9	13.8	20	21.9	17.1	15.2	24.2	13.5	75	80	48	69	87	85	------
15	38.07	37.96	38.59	37.47	37.91	38.82	15.9	16.3	21.7	23.1	17.7	17	23.8	14.6	68	54	36	43	73	78	------
16	37.48	37.49	38.76	37.29	37.74	38.87	16.6	16.5	21.3	21.1	17.9	16.1	22.8	15.3	81	78	59	58	65	77	------
17	38	37.98	38.86	37.47	37.46	38.20	15.4	15.4	22.9	23.3	17.9	16.6	24.6	15	75	79	38	44	62	73	------
18	37.43	37.80	38.86	37.55	37.72	38.30	16.4	14.4	22.8	20.7	17.9	15.9	24.3	14.4	75	93	51	77	67	78	------
19	37.49	37.77	38.76	37.14	37.50	38.02	15.5	15.4	23	22.8	17.9	16.1	25	14.4	75	66	44	70	84	82	------
20	37.03	37.09	37.74	36.24	36.51	36.98	15.1	16.9	22.5	21.8	17.5	16.1	24.2	14.6	76	38	48	79	95	93	------
21	36.10	36.22	37.10	35.74	35.75	36.65	15.6	15.5	21.9	21.9	17.6	16	23.8	14.8	93	86	57	78	85	85	------
22	35.94	36.18	37.28	35.67	35.74	36.54	15.3	14.5	21.9	20.8	17.1	16.5	24.3	14.4	85	83	65	78	90	90	------
23	36.04	36.18	36.94	35.67	35.89	36.52	15.3	14.5	21.3	23	17.5	16.1	23.9	14	96	94	72	67	90	93	------
24	35.90	36.49	37.44	36.44	36.84	37.92	15	13.5	20.9	21.8	16.9	16.2	23.2	13.1	96	100	72	67	98	95	------
25	37.06	37.58	38.57	37.17	37.21	38.16	15.2	14.2	21.4	22.6	17.4	15.3	23.8	13.9	96	93	70	72	88	92	------
26	37.35	38.05	39.06	37.48	37.73	38.51	15	16	22.7	19.1	16.9	15.4	23.4	14	83	61	54	82	91	96	------
27	38.03	38.45	39.30	37.44	37.71	38.72	15.1	14.2	20.5	21.8	17	15.6	23.8	13.9	87	88	70	74	86	96	------
28	38.02	38.28	39.15	37.82	38.11	38.94	14.5	13.9	21.4	22.3	17.9	16.7	23.7	13.6	100	99	69	77	93	85	------
29	38.37	38.60	39.13	37.58	37.97	38.42	15.6	16.9	21.5	19.9	17.5	15.5	23	15	85	51	65	82	91	91	------
30	37.53	38.18	39.10	37.63	37.95	38.55	15.4	16.9	22.9	22.2	17	16.4	23.8	15	82	51	44	73	86	70	------
Mean	37.26	37.48	38.35	36.94	37.23	38.03	14.9	14.7	20.7	21.1	16.9	15.6	23.2	13.8	87.4	81.9	63.1	73.2	87.3	88.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	16.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	N	wsw	W	Calm	SE	59	57.3	76.7	61.4	254.4	1	Ci.	Cu.	9	----------	Cu.-N.
2	E	NNE	W	W	W	SE	71.6	64.1	84	43.5	263.2	4	Ci.	Cu.	10	----------	Fr.-N.
3	E	NE	W	W	W	E	47.2	50.7	93	61	251.9	1	Ci.	Cu.	10	----------	N.
4	NE	N	SW	W	NW	E	60.7	61.5	92.5	39.9	254.6	4	Ci.	S. NNW	10	----------	S.-Cu.
5	NNW	NNW	SW	W	Calm	SE	40.5	62.6	74.2	24.7	202	6	Ci.-S.	S.-Cu.	10	----------	----------
6	E	E	SSW	WSW	Calm	N	35.9	48.6	58.7	38.3	181.5	9	Ci.-S.	Cu.	10	Ci.-S.	S.-cf.
7	NW	WNW	WSW	W	S	E	54.7	58.7	78.9	53.1	245.4	10	A.-S.	Cu.	10	Ci.-S.	s.-cu. NEbyN
8	SE	Calm	WSW	W	Calm	S	34.6	86.7	100.3	42	263.6	10	Ci.-S.	S.-cf.	9	Ci.-S.	s.-cu. SWbyW
9	Calm	SE	WSW	WSW	W	SE	49.9	64.7	98.2	51.5	264.3	7	Ci.-S.	Cu.	9	Ci.	Fr.-N. W
10	SE	ESE	WSW	WSW	SE	E	56.8	62.3	84	101.6	304.7	1	Ci.	Cu.	7	Ci.	Cu.-N.
11	E	E	ESE	W	SE	SE	105.2	80.5	80.2	102.2	368.1	1	Ci.	S.-Cu.	9	----------	S.-Cu.
12	E	E	EbyS	SE	E	E	112	108.4	112.3	250.8	583.5	0	----------	S.-Cu.	2	----------	Fr.-Cu.
13	E	E	E	WSW	E	SE	207.8	191	56.8	140.6	596.2	0	----------	Cu.	4	----------	S.-cf. ESE
14	SE	SE	ESE	WSW	S	E	158.3	129	62	109.2	458.5	0	----------	Cu.	4	----------	Cu.
15	E	E	E	ESE	ESE	E	100.8	144.8	151.6	154.5	551.7	0	----------	Cu.	1	----------	Cu.
16	ESE	ESE	E	SEbyE	ESE	E	232.2	235.2	159.3	110.8	737.5	1	----------	Cu.	1	----------	Cu.
17	NE	EbyN	ESE	SSE	ESE	E	52.5	74.5	93.8	135.7	356.5	0	----------	Cu.	2	----------	Cu.
18	ESE	E	EbyS	WSW	SE	E	105.7	100.8	59.7	123.7	389.9	0	----------	Cu.	6	----------	S.-cf.
19	E	E	ESE	SWbyW	Calm	E	106.2	80.5	61.5	58.2	306.4	0	----------	Cu.	6	----------	S.-cf. ESE
20	E	SE	ESE	WSW	W	SE	58.5	77.5	64.4	91.1	291.5	0	----------	Cu.	9	----------	S.-cf. E
21	E	E	ESE	WSW	SE	E	112	98.8	67.3	104	382.1	3	Ci.	Cu.	9	Ci.	S.-Cu. E
22	E	E	SW	WSW	Calm	W	94.6	55.8	81.5	26.2	258.1	0	----------	Cu.	10	----------	S.-Cu.
23	NW	NE	WSW	WSW	S	E	32.4	60	84.2	77.4	254	0	Ci.	Cu.	4	----------	Cu.
24	E	NE	WSW	W	E	SE	41.3	60.4	79.1	67.3	248.1	10	----------	----------	6	----------	Cu.
25	E	Calm	WSW	WSW	SE	NE	46.5	49.1	80	83.7	259.3	1	Ci.	Cu.	10	----------	Cu.-N.
26	E	E	WSW	WSW	SE	E	76.1	56	77	41	250.1	0	Ci.	----------	10	----------	S.-Cu.
27	SE	E	WSW	W	SE	Calm	76.1	61.4	79.7	32.7	249.9	0	Ci.	----------	9	----------	S.-Cu.
28	NE	NE	W	W	SE	E	60.2	53.6	77.2	84.3	275.3	10	Ci.-S.	Cu.	7	----------	Cu.-N.
29	SE	SE	WSW	WSW	SE	E	74.5	50.9	66.5	100.4	292.3	9	Ci.	Cu.	10	----------	Cu.
30	N	SE	SSE	WSW	SE	E	44.9	52.3	83.1	117.8	298.1	0	----------	Cu.	9	----------	S.-Cu.
Mean	------	------	------	------	------	------	80.3	81.3	83.9	84.3	329.8	2.9	----------	----------	7.4	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	9,892.7	----	----------	----------	----	----------	----------

BAGUIO.

[$\phi = 16°\ 25'$ N; $\lambda = 120°\ 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, −1.65 mm.]

DECEMBER, 1911.

Day.	Atmospheric pressure, 600 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	37.54	37.64	38.99	37.44	37.61	38.48	17.2	17	24	22.8	17.4	16.5	24.7	16.1	39	33	27	68	72	56	------
2	37.24	37.50	38.58	36.99	37.11	37.95	16.1	15.1	23.1	22.6	17.1	15.3	24.5	14.5	44	39	40	68	90	85	------
3	37.09	37.52	38.72	37.03	37.29	37.84	15.1	15	22.4	22.9	17.4	15.9	24.3	14.4	67	49	50	68	89	85	------
4	36.98	36.98	38.25	36.60	36.78	37.26	15.3	16.1	23.4	21.5	17.6	16.2	24.8	14.9	72	40	42	75	90	89	------
5	36.79	37.06	37.85	36.59	36.79	37.25	16.3	16	23.1	19.4	17.9	15.6	23.9	15.3	80	73	55	88	90	99	------
6	36.70	36.56	37.46	35.66	35.82	36.12	14.7	14.4	21.4	21.2	16.9	15.9	23	14.3	96	84	65	79	97	99	------
7	35.41	35.81	36.67	35.13	35.09	35.20	15.3	15.1	19.8	18.4	16.6	17.3	20.7	14.5	100	97	72	86	95	71	------
8	34.27	33.95	33.98	32.19	32.28	32.46	16.7	16.6	18.4	16.9	17	17.4	19.2	16.	79	80	86	100	100	100	87.8
9	32.19	32.16	33.02	32.41	33.01	34.14	16.7	17.3	17.4	17.7	17.1	17.5	18.2	16.1	100	99	100	100	99	95	184
10	33.82	34.15	35.06	33.58	33.96	34.74	16.8	16.9	18.5	20.9	18.1	16.5	22.5	16.4	100	100	100	95	98	100	4.8
11	34.08	34.92	36.16	34.47	34.93	36.12	15.5	16.5	20.7	19.8	18.5	17.2	21.8	15.4	100	95	80	95	95	94	------
12	35.66	36.76	38.26	36.61	37.26	38.21	17.3	15.9	21.5	21.9	18.1	16.2	24.4	15.5	90	95	69	84	96	99	------
13	37.20	37.75	38.64	37.24	37.62	38.55	15.5	15.4	21.6	20	16.8	14.9	22.8	14.3	100	91	74	86	93	100	------
14	38.03	38.20	38.64	36.83	37.03	38.41	13.5	13.5	19.5	20.9	16.3	13.2	21.8	12.9	100	97	77	76	90	95	------
15	37.84	38.12	38.81	37.42	37.63	38.48	13.2	13.7	20.9	20.9	16.5	14.9	23.2	13	84	69	57	77	81	81	------
16	37.83	38.39	39.58	38.50	38.67	39.59	14.8	14.4	21.3	19.3	17.4	15.8	23.3	14.1	75	76	48	85	92	89	------
17	38.65	38.87	39.79	38.16	38.65	39.47	15.3	15.4	20.5	20.5	17.5	16.3	23.7	15.2	92	90	68	84	92	93	------
18	38.94	39	40.18	39.14	39.11	39.51	15.3	14.4	20.4	22	17.9	15.7	23.4	13.9	73	88	56	29	61	69	------
19	38.87	38.77	39.75	38.21	38.70	39.32	15.8	15.9	21.1	22.4	17.7	16.5	23.4	14.9	71	80	64	71	91	93	------
20	38.52	38.80	40.10	38.96	39.70	39.63	15.8	15.4	21	23.1	17.5	15.9	24.	15.1	94	90	65	72	72	74	------
21	39.26	39.70	40.95	39.93	40.14	40.30	15.5	15.2	21.5	18.9	17.4	16	23.7	14.5	81	85	63	87	84	93	------
22	39.57	39.88	40.41	39.20	39.76	40.04	15.7	14.9	20.8	21.6	16.8	15.1	24.8	14.1	89	84	51	75	92	86	------
23	39.32	39.60	40.53	39.24	39.53	39.77	14.8	15.8	22.5	21.8	18	16.2	24.3	12.9	57	37	49	59	75	79	------
24	39.80	40.32	40.76	39.35	39.48	39.35	14.7	14.9	21.2	21.5	17.4	16.6	24.3	13.5	80	67	58	69	49	44	------
25	38.31	38.72	40.07	38.58	38.89	39.30	16.8	16	20.5	21.4	16.9	15.4	22.8	13.1	48	47	60	71	80	78	------
26	38.51	38.52	38.94	37.44	37.40	38.09	13.7	13.4	19.9	21.4	16.9	15.4	23.3	12.8	90	78	33	70	47	62	------
27	37.47	37.76	39.19	37.81	38.07	38.31	15.3	14.2	20.9	21	16.9	15.1	23.2	14	58	76	54	48	69	74	------
28	37.56	38.30	39.06	37.10	37.53	38.27	14.7	13.7	20	21.3	16.9	15.4	22.4	13.5	63	52	44	59	86	87	------
29	37.41	37.65	38.78	36.89	37.24	37.33	14.2	12.4	19	20.4	15.9	14.6	22.6	12.4	89	95	72	73	81	91	------
30	36.37	36.96	38.42	36.60	37.12	37.72	14.5	14.1	20.5	19.6	17.1	14.9	22	13.6	90	92	69	82	89	94	------
31	37.23	37.48	38.24	36.28	36.84	37.35	14.2	13.9	19.5	20.3	16.9	15.7	23.8	13.6	88	78	48	73	80	71	------
Mean	37.24	37.54	38.51	37.02	37.32	37.89	15.4	15.1	20.8	20.8	17.2	15.8	23.1	14.3	80.3	76	61.2	75.9	84.4	84.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	276.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	SE	ESE	WSW	S	SE	109.2	86.1	69.5	70	334.8	0	----------	Cu.	3	----------	Cu.
2	E	SE	W	WSW	SE	SE	71.9	58.9	78.7	100.6	310.1	0	----------	----------	3	Ci.	Cu.
3	E	E	WSW	WSW	SE	E	105.6	60	82.7	43.5	291.8	0	Ci.	----------	5	----------	Cu.
4	E	SW	SE	W	SE	SE	61.7	37	70.8	88.8	258.3	0	Ci.	S.-Cu.	9	----------	S.-Cu.
5	ESE	E	E	WSW	SE	E	106.7	84.2	67.6	87.2	295.7	1	Ci.-Cu.	S.-Cu.	10	----------	S.-Cu. SE
6	E	E	W	WSW	Calm	E	75.6	50.2	73	38.4	237.2	4	Ci.	Cu.	10	----------	S.-Cu.
7	N	Calm	W	WSW	Calm	NW	55.8	34.9	50.5	37	178.2	8	----------	S.-Cu.	10	Ci.-S. SE	Cu. NE
8	NW	NW	WNW	W	W	WNW	60.9	89.6	202.2	268.7	621.4	9	----------	S.-Cu. NE	10	----------	----------
9	W	WSW	WSW	WSW	W	W	312.5	390	371.9	231.1	1,305.5	10	----------	----------	10	----------	----------
10	W	W	W	WSW	W	Calm	126.3	109.4	60.6	39.4	335.7	10	----------	----------	10	----------	Fr.-N.
11	NE	E	ESE	W	E	ESE	56.3	67.4	41.8	143.5	309	1	Ci.	S.-Cu.	10	----------	----------
12	E	E	ESE	WSW	ESE	E	128.2	60.4	55.2	125.5	369.3	2	Ci.	S.-Cu. ENE	9	----------	S.-Cu. E
13	E	SE	SW	W	Calm	E	73.8	55.2	68.9	31.2	229.1	1	Ci.	Cu.	10	----------	----------
14	NNE	N	W	WSW	E	E	55.5	53.6	69.4	101.7	280.2	1	Ci.	Cu.	9	----------	S.-Cu. EbyS
15	E	E	ESE	SW	SE	E	116.5	110.8	57.4	153.2	437.9	2	Ci.	Cu.	3	Ci.	Cu.
16	E	E	ESE	W	SE	E	106.2	109.1	53.3	101.9	370.5	0	Ci.	Cu.	9	A.-Cu.	S.-Cu. ESE
17	E	E	SE	WSW	S	E	116.1	61.4	52	98.4	327.9	9	A.-Cu.	Cu.	9	Ci.	S.-Cu. EbyN
18	E	E	E	ESE	SSE	SE	210.5	164.7	90.3	126.6	592.1	0	Ci.	Cu.	1	Ci.	Cu.
19	E	E	ESE	WSW	SE	SE	212.7	124.9	63.3	80.7	481.6	0	----------	Cu.	6	----------	S.-Cu. ENE
20	E	E	S	WSW	SE	ESE	94.8	51.2	66.6	150.3	362.9	0	Ci.	Cu.	4	----------	Cu.
21	E	E	SE	WSW	SE	E	121.2	67.3	68.9	91.9	349.3	1	Ci.	Cu.	10	----------	Fr.-N.
22	SE	SE	E	WSW	SW	SE	61.7	73.2	70.3	44.9	250.1	0	----------	Cu.	3	----------	Cu.
23	E	E	ESE	WSW	SE	SE	114.6	85.6	89	93.9	383.1	0	Ci.	----------	4	----------	Cu. E
24	E	E	E	WSW	ESE	SE	79.2	72.4	81.1	130.7	363.4	1	----------	Cu.	2	----------	Cu.
25	ESE	ESE	ESE	WSW	SE	E	166.8	116.7	71.9	67.1	422.5	0	----------	Cu.	7	----------	S.-Cu. ESE
26	N	E	ESE	WSW	ESE	SE	49.1	72.9	101.4	170	393.4	0	Ci.	Cu.	6	Ci.	Cu.
27	ESE	SE	ESE	E	ESE	SE	151.8	118.9	110.4	143.5	524.6	3	Ci.	Cu.	2	Ci.	Cu.
28	E	E	E	ESE	SE	SE	106.4	126.9	77.2	73.5	384	6	Ci.	----------	7	Ci.-S.	Cu.
29	E	NE	WSW	W	SE	ESE	62	49.6	75	88	274.6	3	Ci.	Cu.	9	Ci.	S.-Cu. E, S
30	E	E	SW	WSW	SSE	SE	74.3	48	56.3	106	284.6	1	Ci.	Cu.	10	----------	S.-Cu.
31	E	E	ESE	WSW	SE	ESE	113	99.8	69.8	141.9	424.5	3	Ci.	Cu.	8	Ci.	S.-Cu.
Mean	------	------	------	------	------	------	108.3	90	84.4	103.8	386.6	2.5	----------	----------	7	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	11,983.3	----	----------	----------	----	----------	----------

VIGAN.

[ϕ=17° 34′ N; λ=120° 23′ E; barometer above sea, 14.7 meters; gravity correction not applied, —1.61 mm.]

JANUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.59	61.13	61.92	60.10	61	61.10	23	22.9	29.4	29	25.8	23.9	31.1	22.2	79	77	59	64	79	91	------
2	61.12	61.11	61.71	59.33	60.27	61.23	22.5	23	28	28.2	24.2	22	29	20.7	90	89	56	60	76	82	------
3	60.31	61.31	62.18	60.21	60.32	61.64	21	21.6	28.6	28.7	26	22.8	30	20.4	84	81	60	58	72	86	------
4	61.61	61.88	62.55	60.46	61.60	62.32	22.5	22	28	29.5	26.4	24.5	30.5	21.4	85	82	61	53	77	84	------
5	61.62	61.96	63.67	60.83	61.72	62.16	23.3	22.8	28	27.9	25.8	24	30	22.1	84	86	67	70	77	86	------
6	61.84	61.92	62.77	59.42	59.97	61.61	23.8	23.6	28.1	29	26	26.8	31.7	21.6	84	80	63	64	78	58	------
7	61.48	61.75	62.76	59.80	60.69	62.23	26.3	23	29.6	30.1	27	26.4	32.4	22.4	56	74	53	53	76	77	------
8	61.06	62.03	63.21	60.52	60.73	60.86	24.5	21.3	29.5	29.7	25.9	22.5	31.6	20.8	60	75	43	52	69	82	------
9	59.65	59.50	60.67	58.28	58.84	59.75	23.5	21.2	30.6	29.3	25.6	22.1	30.6	20.3	66	76	52	54	71	86	------
10	58.88	59.03	59.33	56.48	56.68	58.29	21.2	20.4	27.9	28.4	25.6	23	28.9	19.7	85	90	64	62	81	86	------
11	58.24	58.34	59.24	56.52	57.17	58.74	21.8	21	27.2	29	25.3	22.4	30.1	20.2	88	89	65	58	77	82	------
12	58.43	58.75	59.48	56.73	58.22	59.73	21.5	20.9	27.1	29.4	27.4	25.7	31.9	20.2	85	83	61	58	50	55	------
13	59.68	59.78	61.26	59.57	59.60	60.86	25	24.4	29.4	29.5	27.5	25.5	31.2	23.3	58	61	50	55	51	56	------
14	60.86	60.95	62.06	59.15	59.06	60	21.6	22.2	29.2	29.9	26.7	25.6	31.5	21.3	78	76	54	58	83	87	------
15	59.68	60.01	60.85	58.80	57.68	58.85	23.6	21.9	26.4	26.5	24.9	22.5	28.3	21.4	86	88	67	66	72	73	------
16	58.43	58.75	60.38	58.68	59.14	59.70	22.3	22	29.5	29.4	25.2	24	31	20.4	74	76	46	56	71	71	------
17	59.13	59.58	60.85	58.78	59.42	60.72	24	22.5	29	28.5	26	23.4	30.9	22	62	66	46	57	67	81	------
18	60.37	60.84	61.96	59.83	60.20	61.19	22.5	22	26.6	26.5	24	22	27.8	21.2	80	82	64	68	74	83	------
19	60.61	61.29	62.61	60.54	60.59	61.83	22	20.3	25.6	25	22.4	20.1	27.7	19.2	82	85	61	70	77	89	------
20	61.55	61.30	62.14	59.95	60.44	61.58	19.8	20.8	25	26.4	23.8	21.5	28	18.9	87	79	62	64	81	89	------
21	60.97	61.08	61.97	59.72	60.26	61.46	20.5	20.5	26.6	26.4	24	21.9	29.1	18.8	86	83	65	67	81	88	------
22	61.04	60.97	61.87	59.24	59.59	60.65	21	20.5	27.3	27.4	24	21.5	29.4	19.5	92	91	58	68	83	91	------
23	59.92	59.71	60.14	57.24	57.75	58.97	21.4	21.5	26.2	27	24.2	22	28	20.2	84	87	64	60	77	78	------
24	58.19	57.76	58.91	56.69	57.75	59.11	20.5	19.6	30	28.8	25.7	24	30.8	19	86	88	42	49	67	67	------
25	59.19	58.41	59.50	57.75	58.24	58.70	23.5	22.9	30	29.5	26.1	23	31.3	21	63	66	47	55	72	86	------
26	58.24	57.88	58.89	57.26	57.49	58.28	22.9	22.1	29.2	29.6	26.1	24.1	31.5	21.7	75	79	53	61	81	91	------
27	57.85	57.29	58.92	56.83	56.54	57.34	23.5	23	28.4	29	25.2	22.4	30.9	22.1	83	90	56	61	76	91	------
28	57.24	57.10	58.30	56.43	57.02	57.69	21.5	21	27.4	28.1	25.2	22.5	30.5	20.4	95	91	58	68	82	91	------
29	57.24	57.45	58.56	56.17	56.56	57.40	21.9	21	30.5	29.6	26.6	26	31.9	20.6	88	89	55	61	78	84	------
30	57.14	57.82	59.06	56.79	56.92	57.84	24.8	24	31.2	30.6	27.3	24.9	32.1	22.2	83	84	52	58	73	77	------
31	57.53	57.63	58.75	56.56	56.72	57.69	23	23.2	29.7	31.2	27.1	24.6	31.8	22.4	79	83	59	55	78	90	------
Mean	59.67	59.82	60.85	58.54	58.97	59.98	22.6	21.9	28.4	28.6	25.6	23.5	30.4	20.9	79.6	81.5	56.9	60.1	74.4	81.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	0

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	E	S	NW	NNW	Calm	28	41.5	86.9	20.9	177.3	9	Ci.-S.	S.-Cu.	2	Ci.-S.	Cu.
2	NE	NEbyE	NNE	N	N	NbyE	30.6	63.1	149.9	84.8	328.4	2	Ci.-S.	S.-Cu.	3	A.-Cu.	Cu.
3	N	NE	SW	S	Calm	Calm	70	37.8	45.9	11.8	165.5	8	Ci.-S.	S.-Cu.	0	A.-Cu.	Cu.
4	E	EbyS	NW	NWbyN	NbyE	Calm	38.9	52.9	64.7	16.7	173.2	1	Ci.-S.	S.-Cu.	0	Ci.-S.	Cu.
5	Calm	E	NNW	N	N	NNE	22.2	50.7	159	80.5	312.4	2	A.-Cu.	S.-Cu.	0	Ci.-S.	Cu.
6	EbyN	NE	N	N	NNE	EbyN	41.2	55.3	153.7	37.6	287.8	2	Ci.-S.	S.-Cu.	0	Ci.-S.	Cu.
7	E	Calm	wbyN	N	NNW	EbyS	49.1	35.7	90.1	73	247.9	0	Ci.-S.	Cu.	0	Ci.-S.	Cu.
8	NE	NbyE	EbyN	NW	N	NE	65	57.3	82.6	24.1	229	0	Ci.-S.	S.-Cu.	0	Ci.-S.	Cu.
9	NEbyE	EbyS	Calm	WNW	NW	NE	24.9	40.5	73.7	22.8	161.9	0	Ci.-S.	Cu.	0	Ci.	Cu.
10	E	E	NNE	N	N	N	23.5	89.6	172.2	54.9	340.2	0	Ci.-S.	S.-Cu.	0	Ci.	Cu.
11	NNE	NbyE	N	N	N	N	40.5	45.6	140	64.6	290.7	0	Ci.	Cu.	0	A..Cu.	Cu.
12	NEbyN	NNE	NNW	NNW	E	E	60.7	77.5	101.1	------	------	0	Ci.-S.	Cu.	0	A.-Cu.	Cu.
13	EbyN	EbyS	NNE	NNW	E	EbyN	91.4	63.9	87.5	43.7	286.5	2	Ci.-S.	S.-Cu.	0	A.-Cu.	Cu.
14	Calm	E	W	WbyN	N	WNW	12.7	34.6	100	29.6	176.9	3	A.-Cu.	S.-Cu.	0	Ci.-S.	Cu.
15	NNW	N	N	N	N	NNE	27.7	92.5	208.6	102.7	431.5	0	Ci.-S.	Cu.	0	Ci.-S.	Cu.
16	NNE	NW	NE	W	NNW	NE	57.9	38.6	77	19.8	193.3	9	Ci.-S.	N.	1	A.-Cu.	Cu.
17	EbyS	EbyS	ESE	NNW	N	N	40.5	----	81	20.3	------	1	Ci.-S.	S.-Cu.	0	Ci.	Cu.
18	E	E	N	NNW	NNE	NNE	26.4	92.8	210.6	107.5	437.3	9	Ci.-S.	S.-Cu.	0	Ci.	Cu.
19	NE	N	NNW	N	N	NE	74.6	119.3	233.6	85.8	513.3	1	Ci.-S.	S.-Cu.	4	A.-Cu.	Cu.
20	NNE	NE	NNW	NNW	N	Calm	57.9	98.8	131	28.5	316.2	8	Ci.-S.	Cu.	0	Ci.	Cu.
21	E	E	NNE	N	N	NNE	27.6	52.6	180.4	83.5	344.1	0	Ci.-S.	S.-Cu.	0	A.-Cu.	Cu.
22	NE	Calm	NNW	N	NNE	N	24.6	54.2	199.5	98	376.3	10	Ci.-S.	S.-Cu	0	A.-Cu.	Cu.
23	NNE	N	N	N	N	NNE	81.9	117.7	189.9	65.2	454.7	0	Ci.-S.	S.-Cu.	0	Ci.	Cu.
24	NNW	NNW	ESE	N	Calm	E	28.8	49.6	77.4	24.4	180.2	0	Ci.-S.	Cu.	0	Ci.-S.	Cu.
25	E	SbyE	E	W	NNW	Calm	30.6	42.3	81.9	12.4	167.2	0	Ci.-S.	S.-Cu.	1	A.-Cu.	Cu.
26	Calm	EbyS	NNE	W	NNW	NNE	20.4	40.7	71.3	32.7	165.1	0	A.-Cu.	S.-Cu.	0	A.-Cu.	Cu.
27	NE	E	NNW	W	N	NNE	20.1	40.8	93	30.4	184.3	0	Ci.-S.	S.-Cu.	0	Ci.-S.	Cu.
28	NE	E	N	NNW	N	Calm	22.8	45.3	129	28	225.1	0	Ci.-S.	S.-Cu.	0	----------	Cu.
29	E	E	EbyS	SbyW	NW	EbyS	25.4	34.3	64.4	20.3	144.4	7	A.-Cu.	S.-Cu.	0	Ci.-S.	Cu.
30	NE	NNE	Calm	WNW	SW	Calm	12.3	30.9	55.2	18.8	117.2	4	Ci.-S.	S.-Cu.	1	A.-Cu.	----------
31	E	E	SSE	WSW	Calm	Calm	23.5	48.5	57.9	10.3	140.2	3	Ci.	S.-Cu.	1	----------	Cu.
Mean	------	------	------	------	------	------	38.8	58.2	117.7	45.1	261	2.6	----------	----------	0.4	----------	----------

VIGAN.

[$\phi = 17°\ 34'$ N; $\lambda = 120°\ 23'$ E; barometer above sea, 14.7 meters; gravity correction not applied, —1.61 mm.]

FEBRUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs, beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.08	56.82	58.42	56.56	57.16	58.71	21.7	23.4	30.1	30.2	27.7	24.7	31.2	20.1	91	88	56	59	73	86	------
2	58.49	58.62	60.40	58.57	58.87	59.81	23.8	24	29	29.2	26.5	23.5	32.2	22.9	91	86	64	66	76	90	------
3	59.49	59.66	60.88	58.96	58.97	60.67	22.5	21	28	28.4	25.3	23.3	29.4	19.7	89	89	60	63	71	77	------
4	60.32	61.04	62.60	60.30	60.47	61.91	21.8	21	27.5	28.4	26.6	22.7	29.5	20.3	81	84	60	63	68	74	------
5	61.66	61.78	63.15	60.70	60.48	60.95	21.2	20.2	28.5	29.2	27	24.5	31.2	19.7	81	91	54	55	68	79	------
6	60.51	60.32	60.85	58.61	59.37	60.42	23.8	23	30.6	30.8	27.5	25.8	32.6	22.2	77	77	44	56	50	52	------
7	60.28	60.68	61.25	59.07	58.90	59.79	25.4	26	29.5	30	26.8	25	31.7	23.8	58	55	58	57	67	71	------
8	59.69	59.99	60.82	58.72	59.05	60.11	23.7	23	30.5	30	27	26.6	31.9	22.3	77	70	47	59	68	61	------
9	59.62	59.98	61.35	58.86	59.16	61.17	26.2	25.6	30.3	30.5	28.7	26	32.2	24.7	56	53	54	58	53	58	------
10	61.30	61.91	63.37	61.10	61.17	62.42	25.3	25	29.1	31.5	28.2	26.2	33.9	24.3	60	59	52	54	69	62	------
11	62.38	62.77	63.80	61.25	61.62	62.70	25.7	24.1	28.7	29.5	27	27.5	31.7	23.2	64	72	63	72	75	66	------
12	61.90	61.53	62.91	60.90	60.79	61.59	27.8	28	29.8	31.5	27.4	27.3	33.4	26.7	67	65	69	60	71	54	0.4
13	61.66	61.22	62.20	60.22	60.86	61.67	26	24.2	30.3	30.5	26.7	25.3	32	23.8	66	74	55	60	74	81	------
14	61.01	60.95	62.27	60.37	60.88	61.71	24.2	23.4	30	30.5	26.2	23.4	31.4	22.1	74	76	66	66	82	92	------
15	60.82	60.54	61.12	59.06	58.54	59.87	21.7	21.6	27.7	29.2	26.3	25.4	31.2	20.4	96	91	73	75	86	79	------
16	59.20	59.29	60.57	58.17	57.96	60.13	25.5	25.4	29.7	30	28.9	25	32.1	23	79	87	67	75	69	83	------
17	59.48	59.29	60.13	57.85	58.51	59.82	23.1	22	29.1	29.6	26.1	24.4	30.7	21.2	89	91	79	81	89	92	------
18	59.62	59.80	61.64	59.47	59.70	61.29	24.1	23.2	25.4	28.7	28	25.7	30.2	22.4	90	91	74	65	68	71	------
19	61.20	61.78	62.97	60.70	61.53	63.51	25.5	24.5	29.9	31.6	25.7	24	32.1	23.1	71	73	62	59	69	71	------
20	62.89	63.42	64.43	61.27	61.55	63.42	22.8	23.1	28.2	32	27	25.3	32.3	21.8	77	70	63	60	70	74	------
21	62.58	62.61	63.21	60.22	60.49	61.91	23.7	22	29.3	30.1	28.5	25.4	32.4	20.5	82	84	60	71	62	68	------
22	61.23	61.06	61.99	59.86	60.10	61.25	24	22.8	29.7	29	25.1	21.4	30.8	20.4	70	74	49	74	80	96	------
23	60.94	61.18	62.81	59.88	60.16	63.03	18.8	19	26.7	27.6	24.4	22	29.2	18	97	95	69	63	88	89	------
24	62.88	62.99	63.98	61.23	61.61	63.47	21.8	20	26	27	23.5	21.9	29	19	88	91	74	58	72	74	------
25	63.36	62.76	63.33	60.54	61.78	61.96	20.5	19.6	26.4	27.6	23.8	22.5	29	18.6	77	80	59	59	73	78	------
26	61.08	60.99	62.06	60.05	60.34	61.45	22.0	22.2	25	25.8	23.1	22.5	26.5	20	74	80	67	65	74	84	------
27	59.91	60.43	61.40	59.56	59.70	60.95	20.5	20.4	25.6	25.2	22.9	22.8	27.1	19.8	86	86	64	71	79	83	1.3
28	60.25	60.13	61.44	59.45	59.93	61.24	22	21	25.6	27.1	23.3	20.6	28.7	19.6	89	95	71	65	80	92	------
Mean	60.74	60.84	61.98	59.70	59.99	61.32	23.4	22.8	28.4	29.3	26.3	24.3	30.9	21.6	78.5	79.5	61.9	63.9	72.3	76.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	1.7

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km*	*Km.*	*0-10*			*0-10*		
1	E	E	S	SSE	SE	Calm	27.2	48.5	52.9	15.1	143.7	0	------	------	1	------	Cu. SE
2	NbyE	NbyE	NbyE	NW	NbyE	NbyE	24.7	32.7	74.8	50.9	183.1	2	Ci.-S.	------	4	Ci.-S.	Cu. SSE
3	E	ENE	NNW	N	N	N	33.6	93.3	231.1	91.5	449.5	2	Ci.-S.	Cu.	1	Ci.-S.	Fr.-Cu.NW
4	NbyE	NbyE	NbyE	NNW	N	NNE	49.9	79.7	171.7	57.7	359	1	Ci.-S.	Cu.	2	------	Cu.
5	NbyE	Calm	NNW	NW	Calm	Calm	14.3	23.3	72.7	12.6	122.9	2	Ci.-S.	------	2	Ci.-S.	Cu.
6	N	NNW	NE	NW	NE	E	15.6	54.1	115.1	116.9	301.7	8	Ci.-S.	S.-Cu. SSE	4	A.-Cu. SE	Cu.
7	E	E	NW	NW	SSW	Calm	88.8	46.9	59.5	26.6	221.8	10	A.-Cu.	S.-cu. WSW	8	A.-Cu. SW	Cu.
8	E	ESE	ESE	NW	N	ENE	19.1	44.9	104.9	39.6	208.5	7	A.-Cu. SW	S.-Cu.	2	A.-Cu.	Cu.
9	NE	NE	NNE	NW	NE	NE	75.1	89.9	125.5	86.1	376.6	2	Ci.	Cu.	2	Ci.	Cu.
10	E	ENE	E	NW	N	NE	111.3	134.2	107.8	92.8	446.1	3	Ci.-Cu.	S.-Cu.	2	Ci. NNE	Fr.-Cu.
11	NE	NE	NW	NNW	NNE	NE	55.2	86.1	156.1	137.9	435.3	5	A.-Cu. SE	S.-Cu.	8	Ci.-S.	Cu.
12	NE	NE	NW	NE	NE	NE	119.6	48.3	88	116.4	372.3	10	------	S.-Cu. SE	9	A.-Cu.SSE	Cu.-N. SE
13	NNE	NE	ESE	WNW	Calm	NE	77	82.7	72.1	6.2	238	10	A.-Cu.	S.-Cu. SW	7	A.-Cu. SE	Cu.
14	E	ESE	WSW	WNW	N	NNE	43.3	51.5	100	20.3	215.1	2	A.-Cu.	S.-Cu.	2	Ci.	------
15	NW	Calm	NW	N	N	N	9.4	54.4	138.4	57.6	259.8	1	Ci.	------	3	Ci.-S. SE	Cu.
16	NE	NNE	NE	NNW	NE	N	83.5	77.4	149.1	74	384	4	Ci. SSW	S.-Cu.	2	Ci.-S. SSW	Fr.-Cu.
17	NNE	NNE	NNW	NNW	NNE	NNE	55.7	108	151.6	64.4	379.7	2	Ci.	S.-Cu.	7	A.-Cu .SSW	Cu.
18	NNE	NNE	N	NNW	NE	NE	80.7	151.3	165.1	133	530.1	10	------	S.-Cu.	7	A.-Cu.	Cu.
19	NE	ENE	NE	NE	NE	NE	125.5	109.7	157.7	120.2	513.1	6	A.-Cu. S	S.-Cu.	1	Ci.	Cu.
20	ENE	ENE	ENE	ENE	NE	NE	119.9	129	130.7	90.3	469.9	2	Ci.-S.	Cu.	0	------	Fr.-Cu. ESE
21	NE	NNW	NE	NW	SE	NE	91.7	75.6	97.7	105.9	370.9	4	A.-Cu. SE	S.-Cu. ESE	3	A.-Cu. ESE	Cu.
22	NE	ESE	NW	NW	NNW	NNW	75.3	75.1	103.6	16.7	270.7	2	Ci.	S.-Cu. ESE	1	------	Cu.
23	NNE	NNW	NNE	NNW	N	NbyE	31.6	105.4	240	107.6	484.6	0	------	------	0	------	Cu.
24	N	N	N	N	NNE	NNE	111.8	131	206.8	119.3	568.9	0	Ci.-S.	S.-Cu.	0	------	Cu.
25	N	N	N	NNW	NNE	N	80.2	123.3	203.3	113	519.8	0	------	S.-Cu.	0	------	Cu.
26	N	N	NNE	NNW	NNE	N	87.5	177.8	239	152.1	656.4	9	Ci.-S.	S.-Cu.	4	A.-Cu. SW	Cu.
27	NNE	NNE	NNW	NW	N	N	36.5	82.3	------	------	------	8	Ci.-S.	S.-Cu.	8	A.-Cu.	Cu. N
28	N	NNE	NNW	NNW	N	NbyE	------	------	148.9	52.5	------	6	Ci.-S.	S.-Cu.	0	------	Cu.
Mean	------	------	------	------	------	------	64.6	85.8	135.7	76.9	364.7	4.2	------	------	3.2	------	------

VIGAN.

[$\phi = 17°\ 34'$ N; $\lambda = 120°\ 23'$ E; barometer above sea, 14.7 meters; gravity correction not applied, —1.61 mm.]

MARCH, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.87	61.45	62.61	61.10	59.87	61.50	19.9	17.8	25.4	26	22.5	19.8	26.5	17	87	90	59	52	70	81	------
2	60.38	60.50	61.29	59.29	59.15	59.97	18.5	17	26.7	28.4	25.2	23.4	30.5	16	85	94	51	46	60	62	------
3	59.10	59.58	61.24	59.73	59.32	60	23.7	23	28	27.9	25	22.4	31.9	21	55	55	44	52	62	74	------
4	59.37	59.58	60.75	59.09	59.30	60.29	24.3	23	29.1	29.5	25.5	24	31	22.5	55	63	42	54	76	83	------
5	59.92	60.15	61.24	58.94	58.85	59.81	23	23.5	27.5	30.5	26.6	24.5	31.7	21.6	85	85	66	51	65	74	------
6	59.51	59.89	61.10	58.74	58.99	60.47	23	23.5?	28	30	27.1	23.4	31.4	21.5	75	72 ?	63	50	67	77	------
7	59.64	59.72	60.70	58.59	58.60	59.54	23.3	21.4	28.5	29.2	26.1	24.2	31.5	20	69	83	54	54	76	90	------
8	58.95	59.59	61	58.84	58.78	59.69	23.2	23.1	28	29.6	26.6	25.3	30.5	20.3	85	80	64	61	76	81	------
9	58.85	59.15	60.65	58.88	58.60	59.60	25	24.8	29	28.5	26.7	25	30.6	23	83	79	65	67	77	83	------
10	58.19	58.47	60.12	58.84	58.79	59.97	24.5	23.4	27	29.4	26.4	23	30.7	21.3	83	88	73	62	71	86	------
11	59.25	59.27	60.38	57.93	57.89	59.27	22.5	21.4	29.7	31.9	28.7	28	33.5	19.5	80	84	54	39	63	63	------
12	58.81	58.83	60.46	58.67	60.06	61.05	26.5	24.6	30.9	29.7	28.1	24.3	32.5	23.5	66	75	57	60	71	85	1.5
13	59.83	60.37	61.71	59.56	59.58	60.34	23.5	22.3	29.7	31.9	27	25.9	32.9	21.5	85	92	57	55	85	88	------
14	59.68	60.15	61.04	59.38	58.17	59.11	24	22.8	30.4	31.3	27.1	25	32.5	21.5	91	90	63	57	73	83	------
15	58.51	58.84	60.08	57.77	57.74	58.80	23.3	22.8	29.6	31	27.1	25.3	32.8	21.8	89	92	67	56	76	85	------
16	58.67	58.82	59.91	58.27	58.34	59.66	24.5	24.9	30.2	31	28.1	25.3	32.5	22	79	79	62	59	73	84	------
17	58.55	58.45	60.11	58.77	58.69	59.92	24	22.9	31	30.7	27	25	32.8	22.2	89	92	54	39	79	88	------
18	59.19	59.30	60.31	59.44	59	60.32	22.8	23.1	29.8	29	26.9	25.8	32.8	22	89	88	59	64	72	78	------
19	60.23	60.45	61.48	59.25	58.64	59.96	23.5	22.2	30.5	29.5	26.8	26.6	32	21.4	85	89	53	55	65	56	------
20	59.83	60.40	60.67	59.07	59.33	60.38	25.5	24.8	30.6	30	26.9	24.5	31.5	23.6	73	59	46	59	78	87	------
21	59.61	60.37	61.47	59.67	59.83	61.04	23.8	24.2	30.4	30.5	26.9	24.6	32	23	81	74	55	59	75	89	------
22	60.15	60.73	61.86	59.83	60.08	61.57	23.6	23	29.8	30.4	27	25	31.7	22 ?	79	84	52	60	74	87	------
23	60.35	60.98	61.97	59.48	59.53	60.58	24	23	28.2	29.5	26.3	24.5	32.1	22.3	84	86	62	55	77	82	------
24	59.74	60.22	61.67	59.80	59.58	61.28	23.5	23	29.6	30.2	28	25.6	31.6	22	87	87	60	54	63	78	------
25	60.44	60.45	61.67	59.82	60.64	62.03	25	22.9	29.9	31	25.5	25	33.5	21.5	82	83	57	56	80	76	2
26	61.17	61.06	62.01	60.48	60.68	61.93	24	24.5	31.5	30.2	28.1	27.4	33.6	21.5	71	68	43	55	58	57	------
27	61.59	61.90	63.11	61.53	61.54	62.58	25 ?	24	30	30.1	27.5	26.1	32.8	23.5	70 ?	67	60	60	66	73	------
28	61.79	61.58	62.31	60.28	60.54	61.72	25.5	24	31	31.5	28.2	27.1	33.5	23.3	72	83	60	50	63	69	------
29	60.55	61.08	62.36	60.93	60.51	61.37	25.1	25	30.1	30.9	28.9	26.9	33.3	23.5	79	88	62	54	62	70	------
30	60.89	60.83	62.03	60.48	60.21	61.14	26	24.9	31.8	31.9	27.4	25	33.6	24	55	58	39	46	64	80	------
31	60.24	60.07	60.38	58.56	58.63	59.55	24.7?	24.5	33	30.5	27.9	25.9	33.2	22 ?	66 ?	67	39	56	68	80	------
Mean	59.80	60.07	61.22	59.39	59.34	60.47	23.8	23.1	29.5	30.1	26.9	25	32	21.7	77.9	79.8	56.2	54.7	70.5	78.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	3.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1	NNE	NNE	NNW	NNW	N	NNE	38.8	112	191.2	57.7	399.7	0	----------	Cu.	0	----------	Cu.
2	NNE	Calm	NNE	WNW	Calm	NE	19.3	38	81.6	35.4	174.3	0	----------	S.-Cu.	0	----------	Cu.
3	NE	E	ESE	NW	N	Calm	72.4	69.2	101.4	31.1	274.1	1	A.-Cu.	S.-Cu.	1	A.-Cu.	Cu.
4	EbyS	E	SE	NbyW	NNW	N	79.2	58.7	88.3	31.2	257.4	9	Ci.-S.	S.-Cu.	0	Ci.-S.	Cu.
5	Calm	Calm	SW	W	NNW	SE	8.9	43.2	67.4	30.8	150.3	10	A.-Cu.	S.-Cu.	0	Ci.	Cu.
6	Calm	E	Calm	SW	WbyN	Calm	27.1	30.6	74.2	13.9	145.8	10	Ci.-S.	Cu.-N.	0	----------	Cu.
7	NNE	NbyE	NNW	NNW	N	NNW	28.5	53.7	119.7	20.9	222.8	0	Ci.-S.	Cu.	0	Ci.	Cu.
8	Calm	SE	S	SW	WbyN	NNE	27.6	78.1	88.7	12.7	207.1	2	A.-Cu.	S.-Cu.	0	A.-Cu.	Cu.
9	Calm	SE	SSW	SW	SW	SE	10.5	58.9	85.8	5.8	161	10	Ci.-S.	S.-Cu.	3	----------	Cu. SW
10	ESE	EbyS	SSW	SbyW	NNW	N	20.7	------	------	30.8	------	9	Ci.-S.	Cu.-N.	2	A.-Cu.	Cu.
11	NbyE	NE	W	NW	Calm	E	29.5	49.1	87.5	47.8	213.9	0	Ci.	S.-Cu.	0	----------	Cu.
12	SbyE	NW	WbyN	W	SbyE	Calm	20.7	------	70.6	40.2	------	3	Ci.	S.-Cu.	9	A.-Cu.	Cu.
13	E	EbyN	NNW	NW	N	NbyE	24.3	54.4	127.7	53.3	259.7	0	Ci.-S.	S.-Cu.	0	----------	Cu.
14	E	E	SSW	NW	N	NbyW	13.1	49.6	94.6	24.1	181.4	0	----------	Cu.	0	----------	Cu.
15	NE	E	WNW	W	NNW	Calm	17.2	36.8	87.5	18.5	160	0	----------	Cu.	0	A.-Cu.	Cu.
16	EbyS	E	S	SSW	WbyN	Calm	19.9	56.8	67.6	16.4	160.7	0	----------	Cu.	0	----------	Cu.
17	NE	E	WNW	NW	N	Calm	17.4	54.7	113.3	26.6	212	0	----------	Cu.	0	----------	Cu.
18	ENE	E	WSW	NbyW	NNW	NbyE	20.6	46.1	115.6	54.4	236.7	2	Ci.-S.	Cu.	1	Ci.-S.	Cu.
19	NNE	NNE	NW	NNW	N	NE	45.4	63.4	111.8	34	254.6	0	Ci.-S.	Cu.	0	----------	Cu.
20	E	SE	ESE	WSW	N	SE	36	84.5	71.8	27.6	219.9	1	Ci.-S.	Cu.	3	Ci.-S.	Cu.
21	SSE	SE	SSW	SW	N	NNE	33.8	55.2	71.6	38	198.6	10	Ci.-S.	S.-Cu.	0	----------	Cu.
22	Calm	EbyN	NNW	NNW	N	NE	16.9	67.1	140.2	67.6	291.8	0	----------	Cu.	0	----------	Cu.
23	NNE	NbyE	NNW	N	N	N	48.1	91.2	176.7	74.3	390.3	0	----------	Cu.	0	----------	Cu.
24	NNE	Calm	NbyW	NW	NNW	Calm	50.5	33.5	59.5	25.1	168.6	2	Ci.-S.	S.-Cu.	7	Ci.-S.	Cu.
25	NW	N	WbyN	WbyN	EbyS	E	13.4	36.8	69.4	28	147.6	10	A.-Cu.	S.-Cu.	7	A.-Cu.	Cu.
26	E	NE	NE	W	NW	NE	33.8	52.3	66.5	42.4	195	4	A.-Cu.	S.-Cu.	1	A.-Cu.	Cu.
27	NE	EbyN	WNW	NW	Calm	Calm	31.9	43.5	78.4	3.4	157.2	1	A.-Cu.	S.-Cu.	6	A.-Cu.	Cu.
28	E	NE	NW	W	S	SSE	14	52.5	72.6	35.1	174.2	1	A.-Cu.	S.-Cu.	0	A.-Cu.	Cu.
29	NE	N	WSW	N	NWbyN	EbyS	18	52	93	20.6	183.6	3	A.-Cu.	Cu.	0	A.-Cu.	Cu.
30	E	ENE	NNW	W	NNE	Calm	48	63.8	125.5	25.9	263.2	0	----------	Cu.	0	----------	Cu.
31	SE	SSE	SW	W	WbyN	Calm	57.7	74	87.7	12.3	231.7	0	----------	Cu.	0	----------	Cu.
Mean	------	------	------	------	------	------	30.4	57.2	96.2	31.8	217	2.8	----------	----------	1.3	----------	----------

VIGAN.

[$\phi = 17°\ 34'$ N; $\lambda = 120°\ 23'$ E; barometer above sea, 14.7 meters; gravity correction not applied, −1.61 mm.]

APRIL, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.35	58.51	59.24	57.84	57.80	59.19	23.5	23.1	30.6	29.6	27.2	25.8	32	21.8	87	79	52	64	75	79	------
2	58.46	58.72	59.74	58.44	58.33	59.39	24	23.9	31.6	31.8	28.1	26.1	33.8	23	87	74	47	56	61	72	------
3	59.02	59.30	60.42	58.82	58.55	59.24	25.3	24.4	30	30.5	28.1	28	31.9	23	72	68	63	62	61	54	------
4	58.79	58.73	59.82	58.21	59.13	59.75	27.2	26.7	31.9	31.1	28.9	25.8	33.5	24.5	57	59	51	59	52	67	------
5	58.53	58.79	59.67	57.96	58.95	59.40	24.8	23.9	31.5	31.7	23.6	24	34	22.8	69	75	49	59	86	83	0.5
6	58.94	58.76	59.79	58.19	58.65	59.50	23.5	23.1	31.6	31.8	28	26	33	22.6	85	86	48	55	67	79	------
7	58.11	58.10	58.99	57.72	58.17	59.70	24.3	24.1	30.6	29.8	27.7	27	32.6	23	86	75	51	63	75	79	------
8	58.71	57.89	59.39	57.48	57.39	58.39	25.4	24	30.7	31.2	27.5	26	33.5	22.8	84	84	59	61	77	83	------
9	57.93	57.97	58.32	56.22	56.34	57.28	25.5	24.1	31.2	20.5	28	27.5	33.8	23.3	78	84	62	65	71	73	------
10	57.01	56.96	58.03	56.14	55.99	57.72	25.5	24.7	31.7	31.5	29	26.9	32.6	24	87	78	54	62	73	85	------
11	56.39	56.79	58.20	56.34	56.52	58.20	25.5	26.1	30	30.6	28.4	26.8	32.5	23.5	80	83	71	67	81	86	5.8
12	57.46	57.62	58.62	57.04	57.08	58.37	25	23.9	31.3	32.7	27.9	25.9	33.6	22.8	89	88	62	58	76	85	------
13	58	58.19	59.54	57.68	58.59	59.44	24.1	24.7	32	32.1	28.5	26.1	33.3	22.7	82	78	54	59	73	83	------
14	58.70	58.41	59.12	57.69	57.42	58.65	24.5	23.5	31.1	30.8	27	26	31.9	22	87	85	60	60	74	78	------
15	57.68	57.45	58.84	57.09	56.97	58.15	23.9	22.8	29.5	30.6	27.4	25	33	21.8	84	89	58	57	68	83	------
16	57.91	58.09	58.77	56.89	56.65	58.69	24.5	24	30.9	31.9	28.2	25.8	33.5	23	75	78	54	52	69	80	------
17	58.08	58.25	58.94	57.44	57.64	59.04	25.3	25	29.8	31.2	27.8	26.6	32.8	24.2	81	80	63	55	71	76	------
18	57.97	58.08	58.47	57.36	57.34	58.79	25.7	24.9	31.9	31.6	29.2	28.5	33.8	23.5	80	80	56	56	58	51	------
19	58.09	58.29	59.62	59.02	59.02	60.54	27.7	26.9	32	32.1	28.4	26.4	33.8	25.2	52	60	53	54	72	80	------
20	59.59	59.99	60.56	58.88	59.18	60.49	25	24.1	31.6	32.5	28.6	28	34	23	83	85	59	55	79	80	------
21	60.51	60.96	61.86	59.81	59.98	60.53	27.3	27.1	32.9	32.3	29	27.5	35.5	26.4	75	80	56	62	75	79	------
22	59.17	59.64	60.01	58.30	58.17	59.35	26.8	27.4	32.5	33	28.9	28	34.5	24.5	64	62	52	56	78	82	------
23	57.39	56.60	56.63	54.19	54.62	56.28	25.9	24.3	34.9	34.5	29.5	28.5	38	23.2	88	90	34	46	68	73	------
24	55.37	55.59	56.71	55.68	55.80	58.66	27	26.5	31	31.5	25.5	23.5	32.8	21.5	70	74	67	63	91	96	12.9
25	57.71	57.88	59.22	57.98	58.74	60.03	24.5	24.8	26	28.8	26.6	25	29.8	23.3	94	95	80	78	83	92	4.3
26	58.83	59.11	59.93	57.89	57.89	59.69	25.2	25.1	30	30	27.6	25.2	32	23.5	93	88	65	71	83	91	3.3
27	58.06	57.87	58.38	56.42	56.60	58.52	24.9	24.5	29.5	30.1	27.8	24.8	31.3	22.5	92	95	69	70	76	90	78.5
28	57.21	57.39	58.19	57.14	57.09	57.85	24	23.4	28.6	29.5	27.1	25.5	30.8	22.6	90	93	70	69	79	90	------
29	57.97	58.39	58.64	57.44	57.43	58.60	24	24.2	30.5	30.8	28.3	26.1	31.6	23	89	88	60	65	72	81	------
30	57.91	57.91	59.58	58.51	58.25	59.42	25	24.1	30.4	31.6	27.4	26.3	32.8	23.5	87	92	62	64	78	85	------
Mean	58.13	58.21	59.11	57.53	57.68	58.96	25.2	24.6	30.9	31.3	27.8	26.3	33.1	23.2	80.9	80.8	58	60.8	73.4	79.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	105.3

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	E	SSW	SW	NNW	NE	18.8	66	88.7	22.2	195.7	0	A.-Cu.	Cu.	1	----------	Cu.
2	E	ESE	WbyS	W	N	E	26.2	41.8	113.8	29.8	211.6	0	Ci.-Cu.	Cu.	1	A.-Cu.	Cu.
3	E	SE	NW	NbyW	WbyS	NE	50.4	62	103.5	45.1	261	0	Ci.-S.	S.-Cu.	1	Ci.-S.	Cu. N
4	Calm	SSE	SW	W	E	E	41.3	49.9	99.6	43.7	234.5	1	Ci.	Cu.	0	Ci.	Cu.
5	E	E	wbyN	W	Calm	E	32.5	53.9	105.6	50.9	242.9	0	A.-Cu.	Cu.	0	A.-Cu.	Cu.
6	E	EbyS	S	SW	N	Calm	46.9	64.7	94.6	25.9	232.1	0	----------	S.-Cu.	0	----------	Cu.
7	Calm	SE	NW	SW	NNW	N	23.8	52	76.9	37.2	189.9	0	A.-Cu.	Cu.	1	A.-Cu.	Cu.
8	E	SE	SSE	WbyS	NW	NbyE	14	58.2	104.1	50.9	227.2	1	A.-Cu.	Cu.	0	----------	Cu.
9	NE	E	N	NW	N	NNE	18.2	58.9	123.1	46.1	246.3	1	A.-Cu.	Cu.	0	A.-Cu.	Cu.
10	SSE	EbyS	S	WbyS	NbyW	Calm	19.1	55.2	82.3	22.7	179.3	1	----------	S.-Cu.	0	----------	Cu.
11	Calm	E	S	SSW	NNW	N	16.7	43.1	69.2	41.2	170.2	10	A.-Cu.	N.	0	----------	Cu.
12	E	ENE	W	NW	NNW	Calm	19.6	65.8	110	22	217.4	0	A.-Cu.	Cu.	0	----------	Cu.
13	Calm	E	SW	W	N	N	24.9	73.5	112	41.5	251.9	0	Ci.-S.	Cu.	0	----------	Cu.
14	NNE	NE	N	NW	N	NNE	19	77	146.4	99.3	341.7	0	Ci.-S.	Cu.	0	----------	Cu.
15	NNE	NE	NW	NW	NNW	NNE	28.8	36.8	99.6	20.9	186.1	0	----------	Cu.	0	----------	Cu.
16	Calm	E	S	SSW	wbyN	NE	47.3	57.4	71.3	15.9	191.9	0	----------	Cu.	0	----------	Cu.
17	Calm	EbyS	S	SSW	N	SE	26.8	67.1	71.4	18.5	183.8	6	Ci.-S.	Cu.	1	A.-Cu.	Cu.
18	E	NE	NW	WbyS	NNE	NE	19.5	52.3	66.5	57.4	195.7	6	A.-Cu.	S.-Cu.	5	Ci.-S.	cu.-N.ENE
19	E	E	NNW	wbyN	N	Calm	71.4	58.1	84.2	23.5	237.2	0	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.
20	Calm	EbyS	NNW	N	Calm	SE	10.8	50.5	109.6	41	211.9	0	Ci.	S.-Cu.	0	Ci.-S.	Cu.
21	SE	SSE	wbyN	NW	N	Calm	49.4	51	121.8	26.4	248.6	4	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.
22	ESE	SE	SSW	NW	NbyW	Calm	25.1	69.7	84.3	14.3	193.4	5	Ci.-S.	Cu.	1	Ci.-S.	Cu.
23	N	Calm	EbyN	NW	S	S	18.7	61	93.9	67.8	241.4	4	Ci.-S.	Cu.	4	A.-Cu.	Cu.
24	SE	SSE	SSW	SW	SSW	SSE	39.2	90.6	147.8	73.4	351	6	Ci.-S.	Cu.	3	Ci.-S.	Cu. WSW
25	S	SSW	SE	S	S	Calm	43.3	81.3	93.8	20.3	238.7	10	----------	Cu.-N. SSW	8	Ci.-S.	Cu.
26	Calm	SE	SbyW	W	N	SSE	18.3	67.4	78.3	32.7	196.7	9	A.-Cu.	Cu.	8	Ci.-S.	Cu. WSW
27	Calm	Calm	S	SSW	SW	S	16.7	50.7	78.6	48.1	194.1	10	Ci.-S.	N.	7	A.-Cu.	Cu. WSW
28	Calm	SE	SbyE	SbyW	NNW	Calm	22.7	45.7	74.3	17.9	160.6	3	Ci.-S.	Cu.	2	Ci.-S.	Cu.
29	E	ESE	SE	wbyN	NNW	Calm	23.5	56.5	70.6	18.7	169.3	6	A.-Cu.	Cu.	0	Ci.-S.	Cu.
30	EbyN	E	WSW	N	NNW	Calm	21.4	45.4	89.3	23.9	180	0	----------	Cu.	1	Ci.-S.	Cu.
Mean	------	------	------	------	------	------	28.5	58.8	95.5	36.6	219.4	2.8	----------	----------	1.7	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	6,582.1	----	----------	----------	----	----------	----------

VIGAN.

[$\phi = 17°\ 34'$ N; $\lambda = 120°\ 23'$ E; barometer above sea, 14.7 meters; gravity correction not applied, —1.61 mm.]

MAY, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.01	59.25	60.08	58.43	57.92	59.20	25	24.6	31	31.1	28.6	27.5	32.6	23.9	86	87	61	63	73	77	------
2	58.38	58.56	59.36	57.40	57.23	58.03	26.6	25.5	31.6	31.7	28.9	27.9	33.7	24.5	72	69	51	59	69	68	------
3	57.69	58.11	58.36	57.63	57.67	59.24	26.5	25.6	32	30.6	28.9	26.6	33.2	24.6	59	53	46	58	67	84	------
4	58.69	58.88	59.46	58.23	58.58	60.09	26	24.7	32	32.5	29.2	28	33.6	24	76	83	57	58	68	70	------
5	59.52	60.02	60.31	58.76	59.29	60.78	27.5	26	31.9	32	29.5	27.5	33.5	25	70	80	64	64	70	75	------
6	59.63	59.43	59.36	58.28	58.21	60.02	27	25.5	31.4	31.3	27.6	25.5	32.7	24	77	80	57	67	81	92	21.8
7	58.75	58.31	59.84	58.08	58.47	60.49	25.3	25	29.7	29.9	28.4	23.8	32.8	23	89	90	71	73	75	93	14.4
8	57.15	58.05	59.43	57.58	57.71	59.28	23.7	23.2	29.2	30	28.1	25	31.3	22	87	90	70	65	77	89	7.4
9	58.30	58.48	59.79	58.11	58.59	60.62	25.3	25	29.2	30.5	28	23.6	31.5	22.5	82	83	74	72	81	90	2.3
10	58.59	58.35	59.88	58.49	58.34	59.96	24	24.1	30.1	30.5	28.6	26.9	32.5	22.7	98	82	64	65	74	81	------
11	57.88	58.76	59.71	58.46	58.56	59.49	25	24.3	30.9	29.9	28.5	26.3	32.6	23.3	88	87	64	72	73	79	------
12	58.14	58.51	59.39	57.37	58.07	58.53	25.2	24.7	29.8	31	28.3	25.7	32.8	23.5	76	80	69	70	75	79	.5
13	58.24	58.35	58.98	57.56	57.07	58.59	24.5	24.4	30.2	31	28.6	26.1	32.6	23.2	83	82	61	67	76	84	------
14	57.92	57.81	58.37	57.36	57.12	58.89	25.4	25.1	32	29.5	28.3	26.7	33.7	24.1	84	84	62	72	77	78	------
15	58.25	57.76	58.48	57.35	58.12	59.25	25.3	25.1	31.3	31	29.5	26	33.5	24	84	82	61	62	72	80	------
16	58.65	58.41	58.69	56.97	57.13	58.54	25.7	25.5	32.6	31.6	30	25.6	33.5	24.2	76	78	54	62	65	75	------
17	57.76	58.08	58.16	56.88	57.12	58.48	25.4	25.2	31.5	30.1	30	26.4	32.8	23.9	75	77	54	68	65	74	------
18	57.10	57.26	57.61	56.01	56.46	58	25.5	24.8	31.5	31.5	29.9	25.5	33.5	24	79	83	53	63	69	83	------
19	56.83	57.18	57.66	56.35	56.49	57.92	25.5	25.5	31	31.4	29.8	26.5	33.5	24.1	84	81	60	60	67	77	------
20	57.07	57.29	57.49	56.83	57.46	58.33	25.6	25.5	31.1	31.9	30	26.5	33.7	24.5	81	80	62	61	62	80	------
21	57.39	57.68	58.34	56.37	57.23	58.21	26	25.5	31.5	32.7	30.1	27.9	34.5	24.5	78	80	59	60	68	82	------
22	56.98	57.27	58.03	56.50	57.28	58.23	26.2	25.7	31.4	32.8	30	26.5	33.9	25	86	88	67	62	71	78	------
23	57.08	57.39	57.88	56.21	56.51	57.10	25.9	25.7	32.2	32.9	29.5	26.6	34.3	24.7	80	79	54	61	61	80	------
24	56.27	56.40	56.78	55.31	56.27	57.87	26	25.6	32.2	32.5	30.6	26.6	34.2	24.6	82	83	55	58	71	81	------
25	57.00	57.39	57.81	56.67	56.81	58.28	26.4	26.1	30.5	32.6	30.5	27.4	34.2	25	77	79	61	60	66	84	------
26	57.27	52.30	57.81	57.36	57.48	59.36	26.4	26	30.5	32.5	30.5	27	34.2	25	85	82	61	60	70	85	------
27	58.07	57.98	58.38	57.31	57.46	58.58	26.7	26.5	32.5	32.9	30.7	28	34.4	24.7	81	82	54	57	70	74	------
28	57.77	57.93	58.36	56.37	56.34	57.39	26.5	26.4	32	32.9	30.7	28	34.5	25	80	78	53	57	68	81	2.3
29	56.21	56.73	57.47	56.27	56.10	56.81	27	25.9	28.7	31.9	29.5	27.9	33	24.7	84	91	80	64	78	85	2.5
30	56.46	56.50	57.31	56.37	57.30	58.04	27	26.6	31.9	32.5	30.1	27.5	34.3	25.4	88	86	60	59	75	77	------
31	57.29	57.69	58.70	58	57.65	58.73	27	26	32.5	33	29.9	27	34.8	24	77	82	63	63	75	83	------
Mean	57.79	57.97	58.62	57.25	57.49	58.78	25.8	25.3	31.2	31.6	29.4	26.6	33.4	24.1	80.8	81.3	60.7	63.3	71.3	80.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	51.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	ESE	E	SSW	SW	N	SSE	21.5	48.1	87.1	29.3	186	0	Ci.	Cu.	0	----------	Cu.
2	SE	ESE	SW	WbyS	NNW	NE	66.8	64.9	82.6	30.4	244.7	0	----------	Cu.	0	----------	Cu.
3	SSE	ESE	W	SW	NNW	Calm	57.6	61.2	79.5	15.6	213.9	0	----------	Cu.	0	----------	Cu.
4	Calm	SE	NW	W	NNW	N	11.6	46.7	85.5	22.8	166.6	0	A.-Cu.	Cu.	0	Ci.-S.	Cu.
5	Calm	ESE	NbyW	N	NNW	E	20.7	51	75.4	35.4	182.5	0	Ci.-S.	Cu.	1	Ci.-S.	Cu.
6	E	E	WNW	W	SSE	NE	40.8	42.8	78.6	37	199.2	0	Ci.-S.	Cu.	5	Ci.-S.	Cu. WSW
7	SbyE	Calm	SW	SSW	SW	E	39.7	39.6	65.2	74.5	219	1	Ci.-S.	Cu.	10	Ci.-S.	Cu.
8	NEbyN	ESE	SSE	S	Calm	E	29.3	68.9	66	23.5	187.7	9	A.-Cu.	Cu.	2	Ci.	Cu.
9	ESE	SEbyE	S	S	W	E	37.2	68.1	70.3	76.1	251.7	8	A.-Cu.	Cu.-N.	9	Ci.-S.	Cu. SSW
10	ENE	SE	Calm	W	NWbyN	NNE	45.9	49.3	58.1	20.7	174	6	A.-Cu.	S.-Cu.	1	Ci.-S.	Cu.
11	SE	ENE	WSW	NNW	N	NE	29	40.4	100.4	26	195.8	0	Ci.-S.	Cu.	4	Ci.-S.	Cu.
12	E	ESE	S	W	N	ESE	29	64.9	90.7	52	236.6	0	Ci.-S.	Cu.	0	Ci.-S.	Cu.
13	E	ESE	WSW	NW	NNW	NE	26	48.5	71.6	26.9	173	1	A.-Cu.	Cu.	1	Ci.-S.	Cu.
14	E	EbyS	WbyN	WbyN	NNE	ESE	38.9	44.5	48	30	161.4	0	Ci.	Cu.	7	Ci.-S.	Cu.
15	E	E	W	N	NNE	Calm	31.7	47.3	104	34.3	217.3	0	Ci.-S.	Cu.	1	Ci.-S.	Cu.
16	E	SE	SE	SW	SW	E	39.7	61.2	77.9	71.8	250.6	1	Ci.-S.	Cu.	4	Ci.-S.	Cu.
17	E	ESE	S	WNW	NW	E	57.7	55.3	59.7	36.4	209.1	0	A.-Cu.	Cu.	9	Ci.-S.	Cu.
18	E	ESE	WNW	W	NW	NE	38.4	54.9	64.2	42.8	200.3	2	Ci.	Cu.	4	Ci.-S.	Cu.
19	E	ESE	S	WSW	S	E	51.7	47.3	42.4	17.7	159.1	4	Ci.-S.	Cu.	10	Ci.-S.	Cu.
20	ESE	E	W	SW	N.	E	45.9	50.4	65.8	13.5	175.6	4	A.-Cu.	Cu.	1	Ci.-S.	Cu.
21	ENE	ESE	SW	W	SW	Calm	43.8	60.7	65.4	13.1	183	0	Ci.	Cu.	1	Ci.-S.	Cu.
22	E	E	WNW	W	N	E	19.6	43	81.6	52.9	197.1	1	Ci.	Cu.	1	Ci.-S.	Cu.
23	E	ESE	SSW	NW	E	ESE	39.2	45.1	81.9	37	203.2	5	A.-Cu.	Cu.	2	Ci.-S.	Cu.
24	EbyS	ESE	SSW	W	NNW	Calm	38.1	56.8	66.6	36.5	198	0	Ci.-S.	Cu.	1	Ci.-S.	Cu.
25	SE	SE	SSE	SW	WSW	Calm	54.5	63.4	70.5	7.5	195.9	1	A.-Cu.	Cu.	0	Ci.-S.	Cu.
26	E	ESE	SSE	W	WNW	Calm	35.6	70.2	----	----	-------	0	Ci.-S.	Cu.	0	Ci.-S.	Cu.
27	ENE	ESE	SSW	WSW	NW	ESE	30.3	50.4	77.9	33.3	191.9	5	A.-Cu.	Cu.	0	Ci.-S.	Cu.
28	E	SEbyS	SSW	SW	SW	ESE	35.6	55.7	63.6	11.6	166.5	6	Ci.-S.	Cu.	4	Ci.-S.	Cu.
29	S	SE	SSE	SW	SSW	Calm	37.5	69.4	85.3	19.6	211.8	9	Ci.-S.	Cu.-N.	2	Ci.	Cu.
30	ESE	ESE	SSE	WSW	NNW	E	34	59.2	64.1	39.4	196.7	1	Ci.-S.	Cu.	9	Ci.-S.	Cu.
31	E	E	WNW	W	N	SE	23.6	52.5	108.1	52	236.2	0	Ci.-S.	Cu.	1	Ci.-S.	Cu.
Mean	------	------	------	------	------	------	37.1	54.2	74.6	34	199.5	2.1	----------	----------	2.9	----------	----------

VIGAN.

[$\phi = 17°\ 34'$ N; $\lambda = 120°\ 23'$ E; barometer above sea, 14.7 meters; gravity correction not applied, −1.61 mm.]

JUNE, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.22	57.92	58.17	57.56	57.56	58.99	28	27.3	31.5	31.6	30.9	28.4	33.5	25	73	75	63	68	69	81	------
2	58.08	58.39	59.07	57.81	57.86	59.48	27.3	26.7	31.5	32.5	30.2	25.3	33.9	23.6	83	80	66	63	73	97	29.2
3	58.94	59.02	59.58	58.78	58.41	59.79	25.6	26	31.5	32	30	26.9	33	24.5	95	92	65	65	71	84	------
4	58.83	59.33	59.64	58.90	58.72	60.33	26.7	26.5	30.6	30.7	31	27	33.8	24.5	83	77	65	70	71	85	------
5	58.85	59.24	58.96	57.52	57.51	59.73	26.5	26	32.4	33	31	26.1	34.4	23.5	85	86	64	62	72	91	21.9
6	58.78	58.90	58.49	56.51	57	58.49	26	25.8	31.5	33	30	28.5	33.8	25	96	92	66	67	75	88	.5
7	58.07	58.53	58.38	56.72	56.69	58.46	26.5	26.4	31.8	32.2	30.6	28	33.4	25.5	90	86	56	64	71	88	------
8	57.79	57.88	57.82	56.72	56.71	58.50	27.4	27	32.6	31.4	30.5	26.1	34	24.6	87	85	64	69	73	94	39.1
9	57.89	58.08	58.71	57.44	57.82	59.07	26.3	26.6	32.3	32.1	27.2	26.7	34.5	25	91	94	64	66	91	83	21
10	59.55	59.47	59.75	58.57	58.27	60.03	25.4	25.7	32	31.9	29.1	27.1	33.9	23.8	97	90	63	68	85	87	.3
11	58.83	59.20	59.40	57.46	57.63	58.94	26.5	26.2	33	32.4	28.9	25.3	33.7	24	87	89	65	64	88	95	9.2
12	57.94	58.25	58.57	56.87	56.82	58.93	25.4	25.4	31	31.9	30.5	25.5	33.7	24.5	93	94	65	67	72	93	5.1
13	57.59	57.90	58.71	56.88	57.42	59.17	25.5	26.4	30.1	31.5	29.1	27.5	32.4	24.7	95	91	75	69	77	86	------
14	58.63	58.84	59.26	58.33	58.26	59.67	26.5	26.1	29.5	31.2	30	26	32.7	25	84	84	75	70	75	93	2.8
15	58.58	58.64	59.04	58.33	57.12	57.87	25.6	25.7	30.6	29.5	30.2	27.8	32.3	24.4	94	95	74	73	70	79	7.2
16	57.25	56.73	57.29	56.43	55.88	55.63	26.6	25.7	27	27	25.1	25.5	29	24.2	86	92	92	89	95	87	60
17	54.77	54.81	54.95	54.16	54.05	54.75	25	24.3	28.1	27.5	26.1	25.9	29	23.7	90	95	84	86	91	91	32.3
18	53.07	53.21	53.70	52.81	52.89	54.21	25.6	25.1	30	30.5	27.2	26.3	31.8	24.5	90	92	73	72	90	88	39.1
19	53.47	53.55	53.99	52.86	53.89	54.97	26	25.5	30	30.5	27.6	28	32	25	94	91	69	68	80	74	1
20	53.60	53.76	54.20	54.20	54.82	56.22	26.5	28	31	27.5	28.8	28.4	32.2	24.5	81	70	63	79	71	71	3.8
21	56.28	56.72	56.76	57.42	57.84	58.12	27.4	27.2	29.8	29.6	27.1	26.5	31.6	24	78	77	67	66	80	83	4.9
22	58.85	59.16	59.72	59.71	59.75	61.48	26.5	26.3	30.5	31.2	29.2	25.6	32	23.8	83	80	58	67	78	91	.8
23	59.98	60.38	61.04	59.64	59.24	60.61	25.5	25.4	29.6	30.8	29.7	26.5	31.9	23.5	88	84	75	74	74	92	------
24	59.27	59.09	59.24	57.85	57.33	58.22	26.3	26	31.5	31.1	29.2	26.6	32.5	25	86	88	63	71	78	91	14
25	57.24	57	57.63	56.44	56.28	56.98	25.6	25	30	31.1	29.6	28	31.8	24	95	92	71	66	75	82	------
26	56.64	56.59	57.16	56.39	56.08	57.49	26.5	26.1	30.1	30.4	29	27.8	31.5	25	90	88	74	72	78	79	------
27	56.38	55.74	57.06	56.33	56.28	57.70	27.5	26.4	29.2	31	28.5	27	32.2	25.5	78	82	76	70	81	83	------
28	56.89	56.98	57.62	56.58	56.56	58.31	26	25.5	29.5	30.9	28.7	24	31.8	22.5	82	86	69	72	80	95	37.6
29	57.14	57.20	57.43	56.07	55.88	57.30	24.3	24.9	31.1	31	28.1	25	31.7	23	91	87	63	69	84	96	3.3
30	55.76	56.11	55.62	53.95	53.65	54.68	24.5	24.4	30.1	30.1	28	25.9	31.2	22.8	93	93	75	74	86	88	------
Mean	57.44	57.55	57.90	56.84	56.81	58.14	26.2	26	30.6	30.9	29	26.6	32.5	24.3	87.9	86.9	68.7	70	78.5	87.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	333.1

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1	S	Calm	NNE	SW	S	S	56.3	34	72.1	25.2	187.6	9	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.
2	ESE	SE	SW	SSW	WSW	NE	35.9	65.4	70.6	43	214.9	0	Ci.-S.	Cu.	4	Ci.-S.	Cu.
3	Calm	NE	SSW	W	Calm	E	19.8	43.8	56.3	34	153.9	1	Ci.	Cu.	4	Ci.-S.	Cu.
4	E	SE	S	SSW	NW	E	55.5	49.7	71.8	29.8	206.8	0	Ci.-S.	Cu.	8	Ci.-S.	Cu.
5	E	ESE	W	NNW	W	E	27.7	39.2	65	40.5	172.4	1	Ci.-S.	Cu.	0	Ci.-S.	Cu.
6	SE	E	NW	NW	W	NE	42.6	50.1	83.1	15.9	191.7	6	A.-Cu.	Cu.	2	Ci.-S.	Cu.
7	SSW	ESE	NNW	NW	SSW	E	43.7	52.8	80.2	20.4	197.1	5	Ci.-S.	Cu.	1	Ci.-S.	Cu.
8	ESE	ESE	WNW	SW	NW	SE	36.5	50.1	69.4	38.1	194.1	1	Ci.-S.	Cu.	5	Ci.-S.	Cu. W
9	ESE	SE	NNW	W	ENE	E	50.5	39.4	61.7	40.7	192.3	0	Ci.-S.	Cu.	1	Ci.-S.	Cu.-N.
10	SSW	E	NW	NW	NE	Calm	58.2	47.5	71.4	20.4	197.5	0	Ci.-S.	Cu.	1	Ci.-S.	Cu.
11	E	ESE	ESE	SW	Calm	SE	45.7	36.5	46.1	40.2	168.5	0	Ci.-S.	Cu.	2	Ci.-S.	Cu.
12	E	E	N	SSW	W	NE	21.5	37	62.2	42.3	163	1	Ci.-S.	Cu.	1	Ci.-S.	Cu.
13	NW	SE	S	WBYN	W	NE	21.2	47.3	54.9	20.9	144.3	4	Ci.-S.	Cu.	1	Ci.	Cu.
14	ESE	SE	S	SSW	SW	SW	37.3	59.8	93.8	38	228.9	8	Ci.-S.	Cu.-N.	1	Ci.-S.	Cu.
15	E	ENE	SSE	SSW	S	SSW	46.5	78.9	85.9	63.6	274.9	6	Ci.-S.	Cu.-N.	7	A.-Cu.	Cu.
16	ESE	SE	S	SSE	SSE	E	65.8	52.8	-----	-----	-------	10	Ci.-S.	Cu.-N.	10	----------	N.
17	SE	SE	SSE	SSE	S	SSE	45.9	-----	-----	-----	-------	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
18	S	S	SSE	S	SSW	SSE	-----	-----	-----	43	-------	10	Ci.-S.	N.	2	Ci.-S.	Cu.
19	SE	SSE	S	S	S	S	-----	79.2	146.9	114.6	-------	5	Ci.-S.	S.-Cu.	10	Ci.-S.	cu.-N. SSW
20	SSE	S	SSW	SSW	SSW	SSW	94.8	124.9	188.1	153.7	561.5	9	Ci.-S.	S.-Cu.	10	Ci.-S.	N.
21	SSE	S	S	SSW	SE	SSE	150.2	144.2	152.3	54.1	500.8	10	Ci.-S.	N.	8	A.-Cu.	Cu.
22	ESE	SSE	S	S	SSW	SE	39.4	75.1	78.3	63	255.8	5	A.-Cu.	Cu.	0	Ci.-Cu.	Cu. SSW
23	ESE	ESE	SSW	SW	WSW	SE	57.1	55.7	61.4	12.7	186.9	0	Ci.-S.	Cu.	3	Ci.-S.	Cu. SW
24	ESE	SE	S	W	SSW	S	27.6	39.7	58.5	22.3	148.1	0	Ci.	Cu.	1	Ci.-S.	Cu.
25	S	ESE	S	SSW	SSW	S	36.2	61	82.4	38.3	217.9	9	Ci.-S.	Cu.-N.	2	Ci.-S.	Cu.
26	SE	SE	SSW	SW	S	SE	34	89.6	86.3	43.3	253.2	4	Ci.-S.	Cu.-N.	7	Ci.-S.	Cu.
27	SE	SSE	SSE	SSW	SSE	SE	44.3	78.1	89.6	53.1	265.1	9	A.-Cu.	S.-Cu.	7	A.-Cu.	Cu. SSW
28	SE	E	S	SW	S	ESE	-----	-----	82.4	53.6	-------	1	Ci.	Cu.	1	Ci.	Cu. WSW
29	E	ESE	S	W	Calm	S	51.5	56.8	47	52.1	207.4	0	Ci.	Cu.	5	Ci.-S.	Cu.
30	Calm	ESE	NNW	NNW	Calm	SE	14.3	34.3	97.9	56.5	203	1	A.-Cu.	S.-Cu.	5	Ci.-S.	Cu. N
Mean	------	------	------	------	------	------	46.7	60.1	82.1	45.5	227.5	4.2	----------	----------	3.9	----------	----------

VIGAN.

[$\phi = 17°\ 34'$ N; $\lambda = 120°\ 23'$ E; barometer above sea, 14.7 meters; gravity correction not applied, −1.61 mm.]

JULY, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs, beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	53.47	54.29	53.14	51.91	50.73	50.74	24.8	25	30.4	29.1	29.2	27.5	32.7	23.5	93	93	72	81	82	81	3.8
2	47.65	43.76	48.66	49.96	51.73	54.11	27.1	28	25	25.8	27.2	27.5	28.5	23	80	73	92	88	79	73	34.3
3	54.21	55.56	55.81	55.01	55.83	58.55	26	25.1	30.1	31.5	29.2	27	32	24	82	87	68	63	73	77	.3
4	58.18	57.20	58.43	57.58	58.38	59.40	25.4	25.7	30	31.5	25.5	24.6	32.6	24	91	86	74	63	88	93	5.3
5	58.08	58.47	59.51	57.96	58.46	60.17	24	23.9	31	31.4	29.1	25	32.8	23	88	88	61	61	73	88	6.4
6	58.74	59.11	59	57.92	57.37	58.68	24.5	24	30.5	30.8	29	27.6	33	23	91	89	66	69	75	81	------
7	58	58.07	58.62	57.69	57.18	58.62	27	25.9	31.5	31	31	26.7	33.2	25	80	88	63	73	69	96	------
8	57.98	58.22	58.18	56.85	57.12	58.21	26.5	26.1	30.9	31.5	30.6	27.5	32.8	25.5	92	91	67	65	71	91	------
9	57.53	57.39	58.31	57.27	57.38	58.88	26.2	25.9	30.6	31	29	27	32.5	25	94	85	71	70	76	88	------
10	58.14	57.80	58.71	57.28	57.53	59.03	25.5	25	30.3	30.8	29.5	27	32.5	24	91	88	66	64	73	88	11.4
11	57.90	58.09	58.91	57.20	57.49	58.88	25.2	24.7	29.9	31	29.7	27.9	32.6	23.1	94	94	73	72	73	84	------
12	57.79	58.64	59.61	57.47	57.38	58.19	26.5	25.6	29.7	30.9	29.6	26.5	32.4	25	88	93	77	60	71	88	------
13	57.25	57.40	56.71	55.54	54.63	55.01	25.4	24.6	30.6	30.1	27.5	26.5	32.3	24	89	91	65	72	86	82	49.8
14	53.02	52.23	51.25	48.01	46.61	46.13	25.5	23.1	24.5	28	26.1	25.2	28.7	22	83	99	96	88	97	98	81.6
15	43.65	43.70	43.68	44.38	46.40	49.33	27.1	24.7	28	25	23.8	24.4	28	23.2	90	97	89	97	97	97	287.4
16	48.69	50.13	51.27	51.51	52.16	53.25	24.7	25	24.6	25.5	25.6	24.9	26	22.5	98	96	95	90	91	97	132.7
17	53.11	53.40	54.37	54.37	54.12	54.94	24	24.3	23.7	24.2	24	23.9	25.4	22.4	91	92	99	99	99	97	177.9
18	54.21	54.97	55.75	55.03	54.60	55.74	24.2	24	25.4	25.9	25.7	25.5	27.6	23.2	94	95	88	90	90	90	31.3
19	54.84	54.72	55.18	54.53	55.06	56.11	25.9	26.1	28.5	28.6	25.5	24.3	29.8	23.4	81	80	70	77	93	94	41.6
20	55.11	55.19	55.53	54.11	54.63	54.97	24.1	24	28	29	25.2	24.5	30.4	23	94	91	75	76	90	93	3
21	54.54	53.48	53.86	52.86	53.12	53.75	24.3	24.1	29.1	28.7	25.4	24.7	30.9	23	92	91	67	79	88	91	3.3
22	52.77	52.64	53.10	51.14	50.76	52.36	25	24.1	28.9	29.8	28	25	30.5	23.1	88	86	72	73	76	91	8.1
23	50.90	50.72	51.71	50.34	50.66	52.22	24.5	24	26.5	26.5	24.5	23.8	27.5	23	92	94	86	84	93	93	40.7
24	50.47	50.42	51.54	50.32	49.63	50.21	25	24.8	24	24	24.7	26	26.3	22.8	94	96	99	97	96	91	224.6
25	48.78	49.28	50.78	49.59	50.33	51.85	25.4	25.3	22.5	26	25.9	25.9	27	21.5	96	93	100	92	92	94	218.2
26	51.63	51.76	52.85	52.75	52.85	55.45	25.5	25	25.7	28.5	26	23.4	29.4	21.3	96	98	95	88	91	97	48.5
27	55.12	55.19	56.85	56.29	56.74	57.89	23.4	25	28.4	30.1	27	25.6	31	21.8	97	88	79	73	89	89	------
28	57.62	56.91	58.05	57.04	56.59	58.29	25.4	25.2	29.6	30	28.2	24.5	31.8	24	88	87	72	73	83	96	6.6
29	56.84	56.74	56.88	55.98	55.55	57.03	24	23.9	30.2	30	28.6	26.5	31.5	23.1	95	92	70	70	78	92	------
30	56.50	55.76	56.59	55.37	54.94	56.13	26.1	25.7	29.1	30	27.8	26.1	31	25.1	94	94	78	75	84	91	.5
31	55.31	55.09	55.41	54.09	53.71	53.72	25.7	25.5	27.6	29.5	24.8	24	30.3	23	93	94	84	75	96	96	224.2
Mean	54.45	54.40	55.10	54.11	54.18	55.41	25.3	24.9	28.2	28.9	27.2	25.7	30.4	23.3	90.6	90.6	78.4	77.3	84.3	90.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	1,641.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	E	NW	N	Calm	N	19.8	52.6	51.3	47.7	171.4	9	A.-Cu.	N.	9	Ci.-S.	Cu.-N. NNE
2	NNE	NNW	SSE	SSE	SSE	SE	78.9	84.5	103	64.4	330.8	10	Ci.-S.	Cu.-N. NE	10	Ci.-S.	N.
3	SE	E	S	SSW	S	S	26.8	97.2	170.6	102.5	397.1	10	Ci.-S.	S.-Cu.	9	A.-Cu.	Cu.
4	SSW	ESE	S	SW	E	ESE	47	56.5	67.6	63.8	234.9	10	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu.
5	E	E	WNW	W	W	SE	39.2	41	56.3	38.9	175.4	1	Ci.	Cu.	1	Ci.-S.	Cu.
6	E	E	ENE	WNW	N	NW	31.1	39.4	84.5	23.3	178.3	0	Ci.-S.	Cu.	0	Ci.	Cu.
7	ESE	SE	SSW	WNW	NNW	Calm	38.4	45.3	66.5	13.2	163.4	0	Ci.-S.	Cu.	0	Ci.	Cu. WNW
8	E	ESE	S	W	WNW	N	29	49.9	65.8	16.3	161	0	Ci.-S.	Cu.	0	Ci.-S.	Cu.
9	E	E	SSW	SW	WNW	E	36.5	50.4	74.6	32.7	194.2	1	Ci.-S.	Cu.	1	Ci.-S.	Cu. WSW
10	ESE	ESE	SSW	SW	SW	ESE	34.3	49.9	56.3	22.5	163	1	Ci.-S.	Cu.	0	Ci.-S.	Cu.
11	NE	SE	S	S	SSW	S	43.1	72.7	77.9	26.8	220.5	8	Ci.-S.	N.	2	Ci.-S.	Cu.
12	E	ESE	SSW	S	WSW	E	22.5	57.1	46.7	14.8	141.1	1	Ci.-S.	Cu.	3	Ci.-S.	Cu.
13	E	E	NNW	S	N	NNE	24.7	53.7	150.5	56.3	285.2	4	Ci.-S.	Cu.	7	Ci.-S.	Cu.-N.
14	E	ESE	E	NNW	N	NNW	32.2	37	210.8	239.8	519.8	10	------	N.	10	Ci.-S.	Cu.-N.
15	NW	NW	WNW	SSW	SSW	SSW	207.6	90.9	131.2	275.2	704.9	10	------	N.	10	------	Cu.-N.
16	SSW	SW	SW	SW	S	S	223.7	140.8	158.2	120.4	643.1	10	------	N.	10	------	N.
17	S	S	N	S	SSE	SSE	97.2	88.5	112.7	75.1	373.5	10	Ci.-S.	Cu.-N.	10	------	N.
18	SE	S	SSW	SSE	S	S	57.6	60.4	96.9	69.7	284.6	10	------	N.	10	Ci.-S.	Cu.-N.
19	E	SE	SSE	SSW	S	SSE	41	66	103	45.1	255.1	8	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.
20	SE	ESE	SSW	SSW	SSE	E	35.7	39.9	75.6	33.5	184.7	9	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.-N.
21	ESE	SE	SSW	S	SSE	SSE	37.3	52.3	123.1	41.8	254.5	4	Ci.-S.	S.-Cu.	9	Ci.-S.	N. SSW
22	SE	SE	S	S	S	SE	65.2	66.8	-----	69.2	------	1	A.-Cu.	Cu.-N.	4	Ci.-S.	Cu.
23	SSE	SSE	SSE	SSE	S	S	68.4	136	143.2	122.3	469.9	10	Ci.-S.	N.	10	Ci.-S.	N. S
24	S	SSE	SW	S	S	S	128.7	-----	-----	193.1	------	10	------	N. SSW	10	------	N.
25	S	SE	S	S	S	S	214	191.5	159.3	159.3	724.1	10	Ci.-S.	N. SSW	10	------	Cu.-N. SW
26	S	S	SSE	SSW	SSE	S	130.4	133.6	113.5	89.6	467.1	10	------	N.	10	Ci.-S.	Cu.-N.
27	SSE	SSE	SSW	SW	Calm	ESE	45.6	78.1	54.7	42.1	220.5	3	Ci.	S.-Cu.	2	Ci.-S.	Cu.
28	ESE	Calm	NNW	SSW	Calm	ENE	42.3	33.8	47.7	37.3	161.1	10	Ci.-S.	S.-Cu.	5	Ci.-S.	Cu.
29	E	ESE	E	WSW	NW	Calm	14.8	41	53.6	8.7	118.1	0	Ci.-S.	S.-Cu.	0	Ci.-S.	Cu.
30	Calm	SE	SSW	NNW	N	Calm	7.2	31.1	62	14.5	114.8	8	Ci.	S.-Cu.	9	Ci.-S.	Cu.-N.
31	Calm	Calm	SSE	W	Calm	N	22.8	19	46.7	77.2	165.7	10	------	N.	10	Ci.-S.	Cu.-N. WSW
Mean	------	------	------	------	------	------	62.7	68.6	95.3	72.2	292.3	6.4	------	------	6.3	------	------

VIGAN.

[$\phi = 17°\ 34'$ N; $\lambda = 120°\ 23'$ E; barometer above sea, 14.7 meters; gravity correction not applied, —1.61 mm.]

AUGUST, 1911.

Day.	Atmospheric pressure, 700.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	51.43	49.67	49.64	48.34	48.28	50.91	24.2	24.5	24.9	24.5	24	-----	25.2	23.2	95	99	98	95	99	----	286.7
2	51.61	52.27	53.23	52.84	53.95	55.44	-----	-----	28.6	28	25.2	25.1	29	22.9	----	----	68	79	95	83	34.3
3	54.38	54.01	54.97	53.95	53.88	55.81	24.5	24	27	28.1	26.5	25.5	28.6	22.5	91	91	75	78	92	92	6.6
4	54.55	54.57	55.35	55.03	54.45	55.91	25	25.1	28	27	26.2	25.1	29.1	23	88	88	77	84	90	94	23.1
5	55.37	55.24	55.79	55.69	55.78	57.30	25.4	25.4	29.1	28.3	28.1	26.6	30.7	23.5	89	85	74	77	81	84	------
6	56.23	56.62	57.67	56.57	56.42	57.70	26.8	25.5	29.4	29.9	28.1	26.5	31.1	24	85	88	68	66	81	90	------
7	56.99	57.18	57.64	56.92	57.08	57.71	26	25.6	29	30.5	28	26.5	31	24.1	88	90	74	72	82	90	------
8	56.72	55.91	56.49	55.37	54.81	55.48	25.4	25.3	28.6	30.1	27.8	26.9	31	23.7	95	91	76	74	83	85	------
9	54.75	54.32	54.42	53.05	52.97	53.12	26.5	26.5	27	29.5	27	25.5	30	24	88	90	92	79	84	96	36.8
10	52.76	52.17	52.72	52.09	52.14	52.81	26.1	26.5	27	25	24.4	26.4	27.3	22.5	95	96	85	96	97	97	62.7
11	52.14	52.07	53.64	53.21	53.01	54.92	26.6	26.7	28	28.2	27.3	24	30	20.9	95	94	88	86	90	99	319
12	53.85	53.87	54.31	53.84	54.47	55.03	23.5	23	25.5	27.4	24.2	24.4	29	21	91	97	96	90	96	91	93
13	53.69	53.72	54.38	53.31	52.32	54.48	24.2	24	24	24.1	23.5	23.2	25.3	21.6	94	96	97	96	97	98	329.2
14	53.13	53.59	54.02	54.02	54.70	55.30	23	22.7	24.7	23.9	23.4	25	26.9	21.2	98	98	99	97	99	92	140.4
15	55.25	55.56	56.96	56.70	57.27	58.21	24.8	25	26.7	27.9	25	25.1	29	22.5	92	93	86	79	90	88	4.8
16	57.57	58.25	58.82	57.78	57.90	58.89	25.9	24.8	27.1	29.6	27.7	26	31.1	23	88	93	80	74	82	86	3.8
17	57.40	57.84	58.45	56.74	56.71	58.04	25	24.9	28.5	30.2	26.5	24	30.7	22.5	91	90	75	71	87	95	24.1
18	56.51	56.54	56.64	55.25	55.54	56.71	24	24	28.6	26.5	24.9	23.5	30.5	22.2	92	91	71	80	92	96	29.5
19	55.47	55.69	56.16	54.71	55.45	57.22	23.7	24	28	29.6	26.8	24.9	30.4	22.1	91	91	72	69	84	92	4.6
20	55.84	55.85	56.90	55.07	56.04	57.14	24.5	23.5	27	29.2	24	24	31.2	22.2	92	91	79	73	96	92	17.8
21	56.70	56.10	56.49	55.57	55.44	57.22	24.5	23.9	29.5	30	27	24.1	31.2	22.5	91	89	66	71	82	94	1.3
22	56.14	55.66	56.49	55.39	55.72	57.64	23.9	24	29	30.2	27.4	26.1	31.5	22.5	87	88	71	67	78	91	------
23	56.26	55.71	56.62	55.82	56.39	57.06	24.6	23.6	29.4	29	27.5	26.1	30.9	22.2	95	95	74	71	78	87	------
24	56.16	56.01	56.39	54.38	54.80	55.73	24.5	24	29	28.3	24	24	29.4	22	93	91	74	75	96	96	65.4
25	53.78	52.74	53.09	50.72	49.93	50.91	24.4	24	25	25.4	26	26.2	27.4	22	97	96	96	93	92	92	164.7
26	49.78	50.14	50.71	50.61	51.30	52.92	26.5	27	27.6	27.4	26.6	27.2	28.5	23.6	88	86	84	90	91	88	21.9
27	52.61	53.55	54.70	54.31	55.04	56.66	25.8	25.1	28.5	29.1	27.4	26.6	29.7	23.5	93	95	77	77	80	91	------
28	56.31	56.84	57.35	56.77	56.53	57.11	25.5	25.7	28	28.5	26.6	25.8	30	23.4	88	84	77	83	89	93	23.8
29	56.24	56.17	57.29	55.89	55.49	56.04	25.5	25.2	28	27.7	27.5	26.5	29	23.4	96	98	88	87	88	93	1.3
30	54.94	55.19	55.99	54.76	54.94	55.06	25.8	26.1	29.4	30	27	27	30.7	23.7	94	96	76	78	84	96	55.9
31	54.19	54.31	55.62	53.65	54.44	55.51	26.5	26.1	25.4	24.6	26.5	26	28	22.4	96	91	92	95	87	89	32.1
Mean	54.80	54.75	55.45	54.46	54.62	55.81	25.1	24.9	27.6	28	26.2	25.5	29.5	22.7	91.9	92	80.8	80.7	88.5	91.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	1,782.8

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	WSW	4	W	4	WNW	4	WSW	5	S	7	SSW	7	10	----------	N. WNW	10	----------	N.
2	S	8	S	5	SSE	3	SSW	3	S	2	SE	1	10	Ci.-S.	cu.-N. SSW	10	Ci.-S.	N. SWbyS
3	SE	1	ESE	1	SSE	1	S	1	SSE	1	SE	1	10	A.-Cu.	cu.-N. SSW	10	Ci.-S.	Cu.-N.SSW
4	SE	1	SE	1	S	1	SSE	2	SSE	1	S	1	9	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.SSW
5	SSE	1	SE	1	SSE	2	S	2	SE	1	S	1	2	A.-Cu.	S.-Cu.	10	Ci.-S.	Cu.-N.
6	S	1	SE	1	S	2	SSW	2	SSE	1	SSE	1	10	Ci.-S.	S.-Cu.	8	Ci.-S.	S.-Cu.
7	ESE	1	SE	1	S	1	S	2	SSW	1	S	1	10	Ci.-S.	S.-Cu.	0	A.-Cu.	Cu.
8	S	1	SSE	1	S	1	SSW	1	SW	1	SW	1	8	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu.
9	SSW	1	SSW	1	S	1	S	1	SW	1	SSE	1	9	Ci.-S.	cu.-N. WSW	10	Ci.-S.	Cu.-N. WSW
10	SSW	1	S	2	SSW	2	S	2	SW	2	SW	1	10	----------	N. SW	10	----------	N. SW
11	S	2	SSW	2	SSE	2	S	2	S	2	NE	1	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
12	S	1	SE	1	S	1	SSW	2	SE	1	SE	1	10	----------	N.	10	Ci.-S.	Cu.-N.
13	S	1	SSW	1	SE	1	NNW	1	NW	2	E	1	10	----------	N.	10	----------	N.
14	SSE	1	SE	1	S	1	S	1	S	1	S	2	10	----------	N.	10	----------	N. SSW
15	S	1	S	1	S	1	S	3	S	2	SE	1	10	Ci.-S.	Cu.-N.	10	----------	N.
16	SE	1	S	1	S	2	SSW	2	SE	1	SE	1	10	----------	cu.-N. SSW	4	Ci.-S.	Cu.
17	SE	1	SSE	1	S	1	S	1	SW	1	S	2	2	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu.
18	SSE	1	SE	1	SSE	1	SSW	2	SE	1	SE	1	4	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
19	SE	1	SE	1	SSE	2	SW	1	S	1	SE	1	10	Ci.-S.	N.	1	Ci.-S.	Cu.
20	Calm	----	SE	1	SSE	1	WNW	1	SSE	2	SE	1	1	Ci.-S.	S.-Cu.	9	Ci.-S.	N. SW
21	SE	1	ESE	1	N	1	WNW	2	NE	1	SE	1	1	Ci.-S.	S.-Cu.	7	Ci.-S.	Fr.-Cu. W
22	SE	1	ESE	1	W	2	W	2	NNE	1	Calm	----	3	Ci.	S.-Cu.	3	A.-Cu.	Cu.
23	E	1	E	1	SSW	1	SW	2	NNW	2	NE	1	6	Ci.-S.	S.-Cu.	9	A.-Cu.	Cu. W
24	ENE	1	ESE	1	ESE	1	NNW	1	SE	1	SW	1	7	Ci.-S.	S.-Cu. W	10	Ci.-S.	Cu.-N.
25	NW	3	NW	4	SE	1	W	4	W	4	WSW	2	10	----------	N.	10	----------	N.
26	WSW	2	WSW	2	SW	3	SW	3	SW	2	SSW	2	10	----------	N.-cf. W	10	Ci.-S.	N.-cf. SW
27	SW	4	S	3	S	3	S	3	S	2	SE	1	10	----------	N.-cf. S	9	Ci.-S.	Cu.
28	SE	1	SSE	1	SSE	2	SSW	2	S	2	SSE	1	10	Ci.-S.	N.-cf. S	10	Ci.-S.	N.
29	S	3	S	1	S	1	SSE	2	S	1	S	2	10	Ci.-S.	N.-cf. SW	8	Ci.-S.	Fr.-Cu. SW
30	Calm	----	SSW	1	SSW	3	SSW	3	S	2	S	2	9	Ci.-S.	S.-Cu. S	9	Ci.-S.	Fr.-Cu. S
31	S	2	SSW	3	SSW	3	SW	4	S	3	S	3	10	Ci.-S.	S.-Cu. SW	10	----------	N.-cf. SW
Mean	------	1.6	------	1.5	------	1.7	------	2.1	------	1.7	------	1.4	8.1	----------	----------	8.4	----------	----------

VIGAN.

[$\phi = 17°\ 34'$ N; $\lambda = 120°\ 23'$ E; barometer above sea, 14.7 meters; gravity correction not applied, —1.61 mm.]

SEPTEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	54.52	54.61	56.11	55.19	56.10	57.69	27	25.5	24.5	26	25.6	26.3	27.9	22.6	88	92	93	93	93	90	52.6
2	56.31	56.89	57.59	56.67	56.69	57.96	26.5	26.5	29	29.5	27.5	27	30.3	24.5	84	92	78	78	84	87	------
3	56.51	57.16	57.69	56.44	56.97	58.41	26	25.2	29	30.5	28	27	30.5	23.4	85	88	70	72	84	86	------
4	57.46	56.60	58.19	56.87	57.09	58.46	26.5	25.4	29.4	30.6	27.4	27.4	30.9	23.9	85	80	72	70	85	84	------
5	57.25	57.29	58.54	57.07	57.27	58.34	26.4	25.6	29.5	30.5	28.1	27	31.1	24	89	84	70	68	83	91	------
6	57.04	57.41	58.82	57.57	58.04	59.37	26	25.4	30	31	28.5	27	31.2	23.9	94	88	71	69	81	89	------
7	58.19	58.26	58.99	57.77	58.57	59.39	26.5	25	29.5	30.5	28.5	26.5	32.2	23.5	84	88	72	71	81	88	------
8	58.04	57.51	58.65	56.96	56.79	57.92	25.5	25	30	30.5	29	27.1	31.7	22.5	86	83	68	72	71	88	------
9	57.19	57.31	58.27	56.66	56.84	58.44	25.5	25	31.2	31.5	29	27.6	32.2	23.5	92	92	63	69	78	87	------
10	58.19	58.11	59.07	57.74	57.93	59.12	26	25	31	31.6	28.5	28	32.7	23.5	92	92	70	65	81	85	------
11	58.39	58.71	59.67	58.26	58.57	58.59	26.4	25.4	30.5	30.2	28	26.1	32.8	23.9	93	88	72	77	88	91	------
12	58.19	58.74	59.02	57.47	57.47	58.57	25.5	25.2	31	31	29.6	27.5	32.6	23.7	88	86	59	65	86	92	9.4
13	57.94	57.99	58.26	55.99	56.40	57.66	24.5	25.6	31.5	32	25.5	25.4	32.6	23	92	92	69	69	91	88	1.5
14	56.81	57.24	57.43	55.75	55.66	56.88	25	24.4	30.5	31.6	29	27	32.7	22.6	88	88	62	69	81	81	------
15	56.29	56.36	56.78	54.79	54.94	55.79	24	22.6	30	30.5	28	27	32.4	21.4	83	90	57	68	71	77	------
16	54.29	54.54	55.16	53.54	52.98	53.41	25.1	24.5	27.6	26.4	26.1	27.5	28.2	23	91	92	80	93	95	84	35.3
17	51.54	51.77	51.21	49.68	50.86	51.63	25.9	26	24.1	25.5	25	24.9	27	22.1	89	91	91	93	95	91	160
18	51.26	52.31	53.55	54.11	54.19	56.10	24.5	24.9	26.4	27	26.1	25.4	27.6	22.2	92	84	68	88	91	96	.8
19	54.46	54.78	56.40	54.79	56.04	58.17	24.6	23.5	28.5	30.5	27.5	24.1	31.5	22	95	96	80	71	88	95	1.8
20	56.44	57.21	58.30	56.99	57.37	58.91	24.5	24	29.7	29.4	28	25.5	32.5	22.5	87	91	70	65	77	91	------
21	58.19	58.29	58.58	57.04	57.06	58.16	25	24	30	29.5	25	24.4	31.4	22.5	92	91	68	69	92	92	6.3
22	56.64	56.33	56.74	55.57	56.18	57.65	24	23.5	29	29.4	27	25.5	30.7	22.1	96	96	74	75	88	92	3
23	56.60	56.71	57.89	56.67	57.19	58.66	25	24	28.6	30.5	28	26.4	31.6	22.4	88	91	80	70	81	93	5.3
24	57.76	58.31	59.04	57.47	57.39	58.59	25	24.8	29.2	29.5	27.5	26	31	23.1	96	93	79	78	84	96	------
25	57.64	57.74	58.19	56.43	55.74	57.06	24.5	23.9	30.2	31	29.5	26.1	32.5	22.4	96	88	65	62	78	83	------
26	55.92	55.13	55.25	53.04	52.41	52.81	25.2	24.6	29.5	29	27.5	26.5	31	22.7	90	87	64	78	84	85	40.4
27	50.43	48.38	45.68	40.40	39.52	36.97	24.5	26	25.4	24.5	25	26.5	26.6	22	99	87	84	99	96	92	88.9
28	35.90	37.70	41.28	43.35	46.90	49.10	26.6	25.6	25	24	24.5	24.5	26.6	22.5	87	95	95	96	92	96	128.5
29	49.20	50.21	51.94	50.15	51.43	53.16	24.5	24	26	27.5	24.6	24.5	28.5	22.4	87	95	80	73	91	91	57.6
30	52.38	52.32	53.77	52.85	53.53	54.54	24.4	24.5	25.1	24.97	24.5	25	26.4	21.5	89	87	88	87?	89	80	98.7
Mean	55.23	55.40	56.20	54.78	55.14	56.25	25.4	24.8	28.7	29.2	27.2	26.2	30.6	22.8	89.9	89.6	73.7	75.7	85.3	88.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	690.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	S	S	SSW	S	SSE	SSE	104.6	125.5	122.3	102.2	454.6	10	----------	N.-cf. SW	10	----------	Fr.-N.SW
2	SSE	SSE	SSE	S	SSW	S	121.3	125.7	121.2	87.4	455.6	9	Ci.	S.-Cu. S	6	Ci.	Fr.-Cu. S
3	SSE	SE	SSE	S	S	S	57.6	92.7	106.8	81.3	338.4	9	Ci.-S.	S.-Cu. S	5	Ci.-S.	Cu.
4	SE	SSE	SSE	S	S	SSE	64.2	81.3	113.8	76.7	336	9	A.-Cu.	S.-Cu. S	9	Ci.-S.	Cu.
5	SE	S	SSE	S	S	S	52	80.5	97.4	61	290.9	10	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu.
6	SE	SE	S	S	S	SE	48.8	83.4	81.8	28.2	242.2	9	Ci.-S.	S.-Cu. S	4	Ci.-S.	Cu.
7	ESE	ESE	NNW	NW	NW	N	45.1	36.2	53.6	19.1	154	2	Ci.	Cu.	4	Ci.-S.	Fr.-Cu.NW
8	E	WNW	SSW	SW	Calm	S	18.5	56.3	43.8	13.7	132.3	2	Ci.	----------	7	A.-Cu.	Fr.-Cu.SW
9	SE	E	SSW	WSW	NW	Calm	19.3	44.6	53.7	15.3	132.9	0	Ci.	Cu.	3	Ci.-S.	Fr.-Cu.SW
10	ESE	E	WNW	NW	NW	NW	27.4	41.2	63.3	15	146.9	1	Ci.	Cu.	3	Ci.-S.	Cu.
11	E	E	NNW	W	ENE	ESE	23.3	37	44.8	21.5	126.6	5	A.-Cu.	Cu.	9	Ci.-S.	Fr.-Cu.SW
12	SE	SE	SSW	W	NW	NW	43.7	56.1	56.3	11.1	167.2	5	Ci.-Cu.	Cu.	4	Ci.-S.	Cu.
13	WSW	SE	SSW	NW	E	ESE	34.9	43.7	63.6	37.2	179.4	2	Ci.	Cu.	4	Ci.-S.	Fr.-Cu.NW
14	E	ESE	WNW	NNW	Calm	SE	43.5	40	77	35.2	195.7	8	Ci.-S.	Cu.	5	Ci.	Fr.-Cu. W
15	E	ENE	Calm	N	N	NNE	32.4	30.1	138.6	102.7	303.8	10	Ci.-S.	Cu.	9	Ci.-S. SE	Cu.
16	NNE	NE	NNE	N	N	N	32	16.1	38.9	135.4	222.4	10	Ci.-S.	S.-Cu. NE	10	----------	N.
17	NW	SW	SSW	SSW	S	S	138.2	201.9	186.4	150.7	677.2	10	----------	N.	10	----------	N.
18	S	S	SE	S	SSE	SE	136.3	75	63.4	27.1	301.8	10	----------	Fr.-N. S	10	Ci.-S.	S.-Cu.
19	ESE	E	N	NNW	NNE	E	34.4	32.4	58.2	53.6	178.6	8	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu.
20	E	ESE	E	W	NW	NE	54.9	38.8	37.2	15.3	146.2	8	Ci.-S.	S.-Cu.	7	A.-Cu.	Cu.
21	E	E	NNW	NNW	NNE	SE	26	41	84.7	34	185.7	3	A.-Cu.	Cu.	5	Ci.-S.	Cu.
22	Calm	E	SSE	W	SSE	SE	19.3	46.9	42.1	36.2	144.5	8	Ci.-S.	S.-Cu.	8	A.-Cu.	Cu. NW
23	ESE	E	NNW	W	N	NNW	35.4	29.5	60.4	29	154.3	3	Ci.	Cu.	7	Ci.-S.	Cu.
24	NNW	ESE	S	WNW	NNW	NNE	20.4	56.6	65	25.2	167.2	6	Ci.-Cu.	Cu.	4	Ci.-S.	Fr.-Cu.NW
25	Calm	ESE	NNW	NNW	NNE	N	26.8	41.3	61.5	34.3	163.9	1	Ci.	Cu.	1	Ci.	Cu.
26	NNE	NNE	NNE	N	N	N	45.3	79.9	178.4	115.6	419.2	9	Ci.-S. NE	S.-Cu.	9	Ci.-S.	N.-cf. NE
27	N	NNW	NNW	NNW	SW	SW	187.1	-----	-----	-----	-------	10	----------	N. N	10	----------	N. NW
28	Calm	SW	SSW	ESE	ESE	E	-----	-----	-----	-----	-------	10	----------	N. SW	10	----------	N.
29	SE	SE	ESE	SE	ESE	ESE	-----	-----	197.1	190.4	-------	10	----------	N.	10	Ci.-S.	S.-Cu. SE
30	ESE	ESE	ESE	SE	SE	ESE	195	209.2	172.2	173.8	750.2	10	----------	N. SE	10	----------	N. SE
Mean	------	------	------	------	------	------	60.3	68.3	88.7	61.7	265.5	6.9	----------	----------	6.8	----------	----------

VIGAN.

[$\phi = 17° 34'$ N; $\lambda = 120° 23'$ E; barometer above sea, 14.7 meters; gravity correction not applied, −1.61 mm.]

OCTOBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	54.13	55.31	57.27	55.78	56.62	58.23	24.9	24.5	22.5	23	24.5	24.5	25	21	81	92	92	97	84	86	53.6
2	57.76	58.63	59.91	58.79	59.56	59.72	25	24	28.8	30.5	28.5	25.5	31.1	22.5	80	85	64	65	78	89	------
3	59.74	59.91	60.92	59.38	59.64	60	25	24.1	30	29.6	27.4	25.3	31	22.7	88	91	65	75	85	92	------
4	58.70	59.13	60.02	57.97	58.55	59.50	23.9	23	29	30.5	27	24.9	31.4	21.4	95	95	74	65	81	92	------
5	58.60	58.83	59.71	58.38	58.71	58.90	23.5	23	30.2	29.5	26.5	25	31.5	21.8	92	95	64	68	88	94	------
6	57.85	58.36	59.94	58.09	58.78	59.70	23.7	23.1	29.5	29.8	27.4	26.1	31.4	21.6	96	95	64	69	81	85	------
7	58.70	59.16	60.47	58.94	59.54	60.40	24.3	24	30	30.4	27.5	25.1	31.6	22.5	90	86	68	66	81	90	------
8	59.70	60.41	61.67	59.74	59.89	60.80	24.8	24	30	30.6	27.4	25.6	31.8	22.5	86	88	65	68	81	88	------
9	60.10	60.94	61.61	59.57	59.64	60.48	25	24	29.4	30.9	28	25.6	32.2	22.4	88	87	72	67	74	90	------
10	58.80	59.92	61.07	58.82	58.67	59.77	24.6	23.5	30.7	32	29.2	27.5	33.6	22.2	85	85	60	58	66	68	------
11	59.03	59.20	59.69	58.07	58.67	59.50	25.2	24.7	30.9	30.7	28.5	26.1	32.6	23.2	79	80	60	69	75	82	------
12	58.75	58.79	59.84	57.96	59.05	59.64	25.4	24.4	30.5	31	28.2	26	32.5	22.8	85	90	66	65	80	87	------
13	59.11	59.24	59.84	57.76	58.07	59.38	24.7	24	30.2	31.6	26.6	26.4	32.6	22.7	92	91	68	60	89	88	------
14	58.47	58.87	59.87	58.11	58.39	59.27	24.7	23.9	29.4	30.4	27	26.2	32.4	22.4	92	91	70	63	83	82	------
15	58.44	59.10	59.84	58	58.33	59.87	24.6	23.5	30	29.2	26.3	24.8	31.7	22.2	87	88	67	68	81	89	------
16	59.04	59.45	60.12	57.83	58.30	60.10	24.1	23.2	31	29.5	26.8	26.1	31.8	21.8	88	91	59	66	86	82	------
17	59.55	60.10	60.70	58.34	58.72	60.43	24.5	23.3	30.4	30.2	27	24.5	31.7	21.9	92	95	64	62	78	83	------
18	60.25	60.95	61.72	59.52	60.27	61.70	23.3	23	30.2	34.1	29.2	26.5	34.7	21.4	90	90	60	46	58	74	------
19	60.45	60.61	61.31	58.84	58.89	60.84	24.3	23.1	30.7	30.8	28.9	27.4	32.8	21.7	85	86	57	57	55	56	------
20	59.71	59.79	60.54	58.13	58.81	60.77	26.1	27.2	31.2	30.3	28.5	27.2	33.4	25.5	56	53	47	66	52	57	------
21	60.23	60.48	61.33	58.46	59.11	61.24	25.3	25.3	30.1	31.8	29.3	26.4	32.9	23.3	65	61	56	50	48	59	------
22	61.15	61.25	62.29	60.64	60.65	61.73	24.9	24	30.7	29.2	26.8	24.8	31.4	22.5	64	64	51	59	72	73	------
23	61.62	61.70	62.36	60.48	60.45	61.15	25	23.5	30	29.5	26.5	24.6	32.2	22	70	76	57	64	76	87	------
24	60.87	61.62	62.07	59.72	60.12	61.39	25.4	24.4	30.5	30.8	26.8	24.8	32.6	22.9	74	76	56	60	81	89	------
25	60.77	61.44	62.40	60.34	60.47	61.70	24.8	24.5	29.3	31	27.4	25.6	31.7	23	80	78	72	71	83	95	.5
26	61.08	61.32	62.52	60.39	61.32	62.45	25	23.8	29.2	31.1	27	24	32.3	21.9	99	97	71	65	80	91	------
27	61.55	61.85	62.24	60.74	61.03	62.23	22.3	22.1	31.4	30.5	26.3	24	32.1	20.5	92	89	59	70	82	91	------
28	61.56	62.39	63	61.14	61.34	62.24	23.1	22.7	30.5	30.3	27.4	25.3	32	21.2	90	91	63	68	70	85	------
29	61.42	61.70	62.72	60.89	61.19	61.85	23.9	24.4	31.7	30.7	27.2	26	32.1	22.4	86	76	56	69	77	87	------
30	61.20	61.72	62.63	60.72	60.94	61.77	-----	-----	-----	-----	-----	-----	-----	22.3	-----	-----	-----	-----	-----	-----	-----
31	60.42	60.84	62.07	59.87	60.18	61.43	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Mean	59.64	60.10	61.02	59.08	59.48	60.59	24.5	23.9	29.9	30.3	27.4	25.6	31.9	22.3	84.4	84.9	63.7	65.4	76	83.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	54.1

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	ESE	5	ESE	4	ESE	3	SE	2	SE	2	SE	1	10	----------	N. SE	10	----------	N. S	
2	S	1	S	1	S	1	SSW	2	Calm	----	SE	2	9	Ci.-S.	S.-Cu. S	9	Ci.-S.	Cu.	
3	SE	1	SE	1	SSW	1	W	2	N	1	-------	----	3	Ci.	Cu.	4	Ci.	Fr.-Cu. W	
4	-------	----	E	1	N	1	NNW	1	NNW	1	-------	----	3	Ci.	Cu.	3	Ci.-S.	Cu.	
5	-------	----	E	1	E	1	N	2	N	2	-------	----	4	Ci. E	S.-Cu.	7	A.-Cu.	Cu.	
6	-------	----	ESE	1	S	1	W	2	N	1	-------	----	7	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu.	
7	-------	----	E	1	W	1	WNW	1	NNW	1	-------	----	8	A.-Cu.	S.-Cu.	2	Ci.	Fr.-Cu. W	
8	-------	----	E	1	NW	1	NNW	2	N	1	-------	----	1	Ci.	Cu.	3	Ci.-S.	Fr.-Cu. NW	
9	-------	----	Calm	----	WNW	1	NW	1	Calm	----	NNE	1	0	----------	----------	3	----------	Cu.	
10	N	1	Calm	----	NNW	2	NW	1	NW	1	Calm	----	1	Ci.-S.	S.-Cu.	3	Ci.-S.	Fr.-Cu. ENE	
11	Calm	----	ESE	1	WNW	1	W	1	Calm	----	Calm	----	1	Ci.-S.	----------	7	----------	Cu.-N. ESE	
12	ESE	1	Calm	----	NE	1	SW	1	NNW	1	Calm	----	2	Ci.	S.-Cu.	4	A.-Cu.	Cu.	
13	Calm	----	Calm	----	WNW	1	NW	2	NW	1	ESE	1	1	Ci. NW	----------	1	Ci.	Cu.	
14	Calm	----	Calm	----	NW	1	N	1	NNE	1	ESE	1	2	Ci.	Cu.	4	A.-Cu.	Cu. NE	
15	Calm	----	Calm	----	Calm	----	N	2	N	1	Calm	----	3	Ci.-S.	Cu.	3	Ci.-S.	Cu. N	
16	Calm	----	Calm	----	Calm	----	NNW	2	NNW	1	Calm	----	2	Ci.-S.	Cu.	1	----------	Cu.	
17	Calm	----	Calm	----	Calm	----	N	3	N	3	NNW	1	2	Ci.-S.	Cu.	3	----------	Fr.-Cu. ENE	
18	N	1	NNW	1	Calm	----	E	1	ENE	0	Calm	----	1	----------	S.-Cu.	3	Ci.-S.	Fr.-Cu.	
19	Calm	----	Calm	----	NNE	1	NNW	3	NE	1	NE	2	0	----------	Fr.-Cu.	1	Ci.	Fr.-Cu.	
20	NE	4	NE	3	NE	1	NNW	3	NE	3	NE	4	3	A.-Cu. ESE	S.-Cu.	1	Ci.-S.	Fr.-Cu. NE	
21	NE	1	NE	0	NNW	1	NE	0	NE	1	NE	0	1	Ci.	Cu.	0	----------	Fr.-Cu.	
22	Calm	----	ESE	1	N	1	NE	2	Calm	----	ENE	1	1	----------	Cu.	0	----------	Cu.	
23	NbyW	1	ESE	0	NW	1	NNW	2	NNW	0	NE	0	2	----------	S.-Cu. SE	2	----------	Cu.	
24	Calm	----	SE	2	Calm	----	NNW	2	Calm	----	Calm	----	4	A.-Cu. S	S.-Cu.	1	----------	Cu.	
25	NNW	1	ENE	1	Calm	----	SW	1	Calm	----	Calm	----	3	----------	S.-Cu. NNW	7	----------	Cu. NW	
26	Calm	----	Calm	----	Calm	----	WNW	2	N	1	Calm	----	4	A.-Cu.	S.-Cu. NW	2	----------	Cu.	
27	Calm	----	Calm	----	Calm	----	NW	2	NNW	1	WNW	1	0	----------	----------	3	----------	Fr.-Cu. NW	
28	NW	1	Calm	----	SE	1	WSW	1	Calm	----	Calm	----	1	Ci.	S.-Cu.	4	----------	Cu. SW	
29	NNE	1	ESE	0	SSE	1	NNW	2	N	1	Calm	----	1	Ci.	Cu.	5	Ci.	Cu. NNW	
30	Calm	----	Calm	----	NNW	1	NW	2	NNW	1	Calm	----	6	----------	S.-Cu. NNE	3	----------	Cu. NNE	
31	Calm	----	SE	2	SSW	1	WSW	1	NW	0	Calm	----	2	A.-Cu.	S.-Cu.	5	----------	Cu. ESE	
Mean	-------	0.8	-------	0.7	-------	0.8	-------	1.7	-------	0.9	-------	0.6	2.8	----------	----------	3.5	----------	----------	

VIGAN.

[ϕ=17° 34′ N; λ=120° 23′ E; barometer above sea, 14.7 meters; gravity correction not applied, —1.61 mm.]

NOVEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.45	60.68	61.44	59.08	59.17	60.52	24.8	23.7	31.7	30.7	27.5	25.3	32.7	23.3	95	97	66	69	84	92	------
2	60.20	60.89	61.68	59.27	59.88	61.50	24	25	31.2	31.8	27.5	27	33.1	22.2	86	64	41	50	70	66	------
3	60.92	61.05	61.67	59.04	59.73	61.07	24	23.2	30.4	30.2	26.5	25.1	31.8	22.8	83	87	61	64	73	66	------
4	60.45	60.69	61.34	58.34	58.73	59.60	23.1	22.6	29.6	30	26	24.5	31.4	22.2	71	79	59	56	63	60	------
5	59.23	59.47	59.87	56.89	57.64	59.40	20.9	20.1	27.8	28.5	25.5	22	30.3	19.6	84	80	52	65	72	82	------
6	59.05	59.18	59.19	56.67	57.67	59.13	20.9	21	28	28.4	24.7	23	29.5	19.8	83	82	60	64	80	84	------
7	58.70	59.08	59.90	57.94	59.47	60.70	22.3	22.2	27	27	23.5	21.5	27.7	20.8	88	89	64	72	76	84	------
8	60.23	60.75	61.78	59.91	60.70	62.20	21.3	21	27	26.5	23.9	21.8	28.6	19.8	88	88	66	70	83	87	------
9	62.10	62.69	63.54	61.34	61.94	63.31	20.3	20	28.2	28.5	24.2	22	30.2	19.8	90	91	62	60	83	93	------
10	63.03	63.23	63.86	61.63	61.76	62.54	19.7	18.5	27.5	29.5	25.3	24.5	29.7	18.2	93	97	63	61	74	62	------
11	61.69	62.54	63.36	61.07	61.84	62.56	24.6	22	29.5	29.2	25	21.5	31.4	20.3	56	70	46	54	72	82	------
12	62.05	62.46	62.66	60.40	61.12	62.25	20.5	20.2	29	29.5	26	22.5	30.7	19.8	82	86	56	68	80	94	------
13	61.88	62.21	62.63	60.52	61.07	61.76	21.3	20.3	31	30.5	27	24.5	32.3	19.6	92	91	53	60	76	77	------
14	61.04	61.15	62.05	60.12	60.87	62.24	22.2	22	29.9	30.4	25.5	23.5	32.3	21.4	85	86	64	66	89	96	------
15	61.48	61.14	61.53	59.54	60.19	61.71	22.8	21.6	29	30	26.2	23.1	31.3	21.2	92	92	71	75	85	95	------
16	60.30	60.38	61.25	59.14	59.83	61.02	22.4	22	30.7	31.1	27.7	24.5	32	21.5	93	97	75	73	87	96	------
17	60.66	60.81	61.35	59.22	59.34	60.62	24.1	23.5	30.5	31.5	27.5	25.3	33.2	22.1	97	96	72	66	86	93	------
18	60.17	60.49	61.19	58.93	59.59	60.54	23.8	22.9	31.2	32.2	27.9	26.6	35.2	22.4	96	98	64	65	87	77	------
19	60.49	60.74	61.29	58.86	59.49	60.42	24.3	23.3	31.6	31.5	27.8	27	33	22.4	82	88	58	70	89	83	------
20	59.68	59.55	60.47	58.27	58.54	59.19	27.3	26.3	30.6	30.6	27	25.5	31.8	23.4	71	73	63	63	77	85	------
21	58.75	59	59.38	57.52	57.44	58.65	23.1	22.9	29.7	30.6	27	25	31.2	22.5	99	96	80	74	88	96	------
22	58.41	58.86	59.62	57.59	57.76	58.79	24.4	24.5	30.2	30	26.8	24	31.2	22.7	94	87	71	78	90	98	------
23	58.55	58.82	59.83	57.65	58.21	58.80	22.7	22.4	29.7	29	26	23.5	31.3	21.8	98	98	71	81	89	97	------
24	58.70	59.86	60.52	59.25	59.86	60.89	22.2	23	28.5	27.2	25.1	23	29.3	22	98	96	74	83	87	96	------
25	60.30	60.88	61.79	59.49	59.66	60.86	22.2	21	29	30.2	25.7	23.5	31.2	19.8	95	95	69	66	86	91	------
26	60.33	60.76	61.83	60	60.30	61.70	23.2	23.5	30.6	29.7	26.4	24	32.3	22.2	86	83	72	73	89	96	------
27	61.01	61.81	62.22	59.53	60.29	61.77	23.4	21.7	29.7	30.6	25.8	24.4	31.4	21.3	97	97	68	71	94	97	------
28	61.39	61.61	62.29	60.44	60.93	61.76	23.7	22.8	29.7	30.5	25.2	24	32	22.2	89	97	72	70	89	94	------
29	61.48	62.08	62.39	59.94	60.49	61.55	23.3	22.4	29.7	29.7	26.5	25	31.3	21.8	95	96	71	75	88	92	------
30	60.74	61.53	62.07	60.05	60.34	61.07	23.2	22	29	30	26	24.5	30.7	21.3	92	91	71	71	89	93	------
Mean	60.45	60.81	61.47	59.25	59.80	60.94	22.9	22.3	29.6	29.8	26.1	24.1	31.3	21.3	88.3	88.9	64.5	67.8	82.5	86.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	0

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	Calm	----	E	1	W	1	WNW	2	N	1	Calm	----	0	Ci.-S.	Cu.	5	Ci.-S.	Cu. NW	
2	NE	1	ENE	1	NNE	1	NW	2	NE	2	NNE	2	4	Ci.	S.-Cu. ENE	2	Ci.	Cu.	
3	NE	1	NEbyN	1	NE	1	NNE	2	NE	1	NE	1	1	Ci.	----------	1	----------	Cu. ENE	
4	NE	0	NE	0	NW	1	NNW	3	Calm	----	NE	2	0	Ci.	----------	1	Ci.	Fr.-Cu.NW	
5	NNW	1	Calm	----	NW	1	N	4	NNE	3	NNE	1	2	Ci.	Cu.	5	Ci.-S.	Cu. ESE	
6	NNE	1	NE	1	NNE	3	N	5	NNE	3	NNE	2	8	Ci. SE	Cu.	9	Ci. ESE	Cu. NE	
7	NNE	2	NNE	3	NNE	5	NNE	5	NNE	4	NEbyN	1	9	Ci. ESE	S.-Cu.NEbyN	10	Ci. ESE	Cu. NE	
8	NEbyN	1	NEbyN	1	NNE	2	NbyE	3	NbyE	2	N	1	9	Ci. SSW	Cu. SSE	10	A.-Cu. S	Cu. SE	
9	N	1	Calm	----	Calm	----	NNW	1	NNE	1	Calm	----	7	Ci.-S.	Cu. SSW	2	Ci.	Cu.	
10	Calm	----	Calm	----	SW	1	WNW	1	Calm	----	NE	1	0	----------	S.-Cu.	1	Ci.	Cu.	
11	ENE	1	ENE	1	EbyN	1	NNW	2	Calm	----	Calm	----	0	----------	S.-Cu.	1	----------	Cu.	
12	Calm	----	Calm	----	NW	1	WNW	1	Calm	----	Calm	----	0	----------	----------	1	----------	Cu.	
13	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	ESE	1	0	----------	----------	0	----------	Cu.	
14	E	0	ESE	0	NNE	0	NW	2	NW	1	NW	0	0	----------	----------	1	----------	Cu.	
15	Calm	----	EbyS	1	NbyE	1	NW	1	ESE	0	E	0	1	----------	S.-Cu.	2	----------	Cu. NW	
16	SE	1	E	1	WSW	1	SW	0	Calm	----	SSE	0	0	----------	S.-Cu.	1	----------	Cu.	
17	ENE	1	ENE	1	WNW	1	WNW	2	S	1	SW	0	1	----------	S.-Cu.	0	----------	----------	
18	Calm	----	ENE	0	WNW	1	NW	2	SE	2	Calm	----	1	----------	S.-Cu.	1	----------	Fr.-Cu. SE	
19	Calm	----	Calm	----	NW	1	WNW	2	SE	1	NE	0	0	----------	----------	0	----------	Fr.-Cu.	
20	NE	2	ESE	1	NNW	2	NW	2	NW	0	SE	1	0	----------	----------	0	----------	Fr.-Cu.	
21	Calm	----	E	1	NW	1	NW	2	NW	0	Calm	----	1	Ci.	Fr.-Cu.	4	Ci.	Cu. NNE	
22	Calm	----	ESE	1	S	1	SW	2	Calm	----	SW	0	1	Ci.	S.-Cu.	1	----------	Cu.	
23	NNE	0	E	0	NW	1	NNW	2	NNW	2	NNE	1	1	Ci.-S.	S.-Cu.	2	Ci.-S.	Cu. NNW	
24	NNW	1	NE	1	NNW	2	NNW	3	NNW	2	NE	1	10	Ci.-S.	S.-Cu.NNW	2	----------	Cu.	
25	ESE	1	E	1	NW	2	W	2	Calm	----	W	1	0	----------	----------	0	----------	Fr.-Cu.	
26	ESE	1	ESE	3	SE	1	WNW	2	Calm	----	Calm	----	0	----------	----------	0	----------	----------	
27	Calm	----	E	0	E	1	SW	2	ENE	1	NE	0	0	----------	----------	0	----------	----------	
28	NNE	1	EbyS	0	Calm	----	NW	3	N	2	NNE	1	2	Ci.	Cu.	2	Ci.	Cu. NNE	
29	ESE	1	E	1	Calm	----	NW	2	NNE	0	E	1	5	Ci.	S.-Cu.	6	----------	Cu. NNW	
30	NNE	0	ESE	0	NNW	1	W	1	Calm	----	SE	1	1	----------	Cu.	3	----------	Cu. WNW	
Mean	------	0.6	------	0.7	------	1.2	------	2.1	------	1	------	0.6	2.1	----------	----------	2.4	----------	----------	

VIGAN.

[$\phi = 17° 34'$ N; $\lambda = 120° 23'$ E; barometer above sea, 14.7 meters; gravity correction not applied, —1.61 mm.]

DECEMBER, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.43	60.90	62.37	59.91	60.28	62.33	23	22	30.8	29.7	27	24.2	31.8	21.7	92	91	60	70	84	94	------
2	61.61	61.89	61.93	59.19	59.41	60.65	22.5	22	29.5	29.8	26.8	24.7	31	21.5	94	96	71	69	86	94	------
3	59.99	61.11	61.57	59.02	59.51	60.59	23.5	22.5	30.4	30.5	26.5	24.2	31.9	21.9	94	93	63	73	90	96	------
4	59.66	60.29	60.89	59.02	59.07	60.09	22.5	21.6	30.1	30.1	26	23.7	30.8	21	96	96	64	72	88	96	------
5	59.55	59.96	60.59	58.25	58.58	59.89	23.3	22.8	29	30.1	27	24	31.6	21.8	93	89	76	76	88	97	------
6	59.51	59.42	60.01	57.50	57.53	58.56	23.2	22.2	29.3	29.5	28.4	25.5	31.3	21.7	96	94	76	73	85	80	------
7	58.02	58.57	59.42	57.14	57.43	58.11	27.5	23.5	30.5	30.5	27.2	23.5	31.7	22.6	57	80	47	53	56	75	------
8	57.40	56.51	56.27	53.76	53.36	52.61	23	24.4	26.3	24.3	25.3	25.4	26.5	22	84	92	94	100	98	97	25.8
9	50.12	51.21	52.72	51.56	52.43	54.56	25.4	24.8	26.2	25.6	25	24.5	27.1	23.6	99	100	94	100	100	100	5.6
10	55.40	56.53	57.47	55.47	56.21	57.54	23.7	23	24.3	24	23.5	23	25	22.3	100	100	97	100	97	98	.8
11	57.34	58.42	59.63	56.68	56.67	58.51	22.8	22.8	24.2	25.4	23.4	22.2	25.8	21.7	97	98	98	86	94	98	1.3
12	58.49	59.49	60.70	58.49	59.31	60.33	21.9	22.4	27.8	29	26.2	25.2	30.1	20.7	91	100	82	77	93	92	------
13	60.10	60.45	61.37	59.66	60.15	61.62	23.5	22.5	29.2	28.2	26	24.6	30.1	22	98	99	80	83	96	99	------
14	61.59	61.96	62.17	59.24	59.94	61.41	23.8	22.7	27.4	28	25.4	23	29.5	21.7	99	100	81	79	97	100	------
15	61.28	61.65	62.20	59.90	60.27	61.44	22	21.6	29.2	29.2	26	23.2	31	20.2	88	95	66	66	85	98	------
16	61.31	62.02	63.17	60.73	61.52	62.78	21.8	21	29	29.5	26.2	24.1	30.2	20.4	97	93	68	68	88	92	------
17	61.80	62.01	62.94	60.46	61.04	62.25	22.7	22.2	29.5	29.5	26.5	24.7	31.2	21.6	97	98	75	79	81	95	------
18	62.20	62.64	63.47	61.59	62.14	62.96	24.2	23	28.5	28.5	25.8	24	29.4	22.5	90	96	79	82	90	97	------
19	62.55	62.66	63.52	61.13	61.32	62.38	22.6	21.7	28.6	28.6	25.2	23.2	30.3	21	94	89	71	73	94	98	------
20	61.98	62.36	63.33	61.77	62.32	62.92	22.7	21.5	28.6	29.2	26.2	24.2	30.5	20.8	99	100	75	76	93	100	------
21	62.55	63.08	64.40	62.49	62.95	63.50	22.9	22.4	28.9	28.2	26.3	24.4	30.2	21.8	100	98	79	83	94	98	------
22	62.79	63.38	63.49	61.97	63.12	63.24	23.3	22.3	29.2	29.5	26.3	24.7	30.8	21.6	97	100	70	78	94	99	------
23	63.06	63.18	64.14	62.18	62.39	62.81	22.8	21.6	29.2	28.4	26.2	24	30.1	21	99	96	66	78	90	93	------
24	63.08	63.82	64.19	61.67	62.17	62.29	23.1	24.2	29.5	29.8	26.5	23.8	31.1	22.7	97	90	68	79	92	100	------
25	62.14	62.78	63.68	61.33	62.04	62.60	22.1	22.1	30	30.5	25.5	23	31.2	21.2	97	93	68	70	93	100	------
26	62.28	62.09	62.73	60.04	60.58	61.08	21.7	20.8	28	29	26	22.3	30.2	20.1	97	96	74	78	88	100	------
27	61.18	61.70	62.83	60.38	61.04	61.44	21.3	20.7	29.5	29.7	26.3	23.2	30.5	20.2	100	99	73	74	88	98	------
28	60.90	61.66	62.42	59.63	60.72	61.44	21.1	22	29.2	29.6	25.2	23.2	30.6	20.7	93	82	64	64	90	98	------
29	60.73	61.36	62.55	59.61	60.04	60.66	23.4	21.5	29	28.7	25.3	23.5	30.1	20.7	83	95	78	75	95	96	------
30	60.25	60.54	61.49	59.11	59.93	60.30	21.8	21.2	29	29.3	26.5	23.8	30.3	20.7	97	98	74	70	86	97	------
31	60.24	60.58	61.77	58.75	59.40	60.57	22.3	23.8	29.2	29.5	26.3	24.5	30.1	22	88	91	76	76	86	95	------
Mean	60.31	60.78	61.59	59.28	59.77	60.69	22.9	22.3	28.7	28.8	26	23.9	30.1	21.5	93.6	94.7	74.4	76.8	89.6	95.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	33.5

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	E	1	ESE	1	Calm	----	WSW	1	W	1	Calm	----	0	----------	----------	6	----------	Cu.	NNE
2	Calm	----	ESE	1	N	2	NNW	2	NW	0	SE	1	1	----------	S.-Cu.	3	----------	Fr.-Cu.	NNE
3	Calm	----	E	1	NNE	1	NNW	2	NNW	1	NE	0	2	----------	Cu.	2	Ci.	Cu.	
4	Calm	----	EbyS	1	SE	1	WNW	1	NNW	0	Calm	----	2	Ci.	S.-Cu.	4	----------	Cu.	NNE
5	Calm	----	ESE	1	WNW	1	WNW	2	Calm	----	NE	0	0	----------	S.-Cu.	2	----------	Cu.	
6	E	1	Calm	----	N	1	NW	2	SW	1	SW	1	4	Ci.	S.-Cu.	2	----------	Cu.	NE
7	NW	1	Calm	----	NE	2	N	3	NE	2	N	2	8	Ci.	ESE S.-Cu.	10	A.-Cu. ESE	Cu.	
8	NNE	2	NNE	2	NNE	5	NNE	6	N	7	NW	7	10	Ci.-S.	S.-Cu. N	10	----------	N.	NbyE
9	WSW	3	SW	1	SW	2	SW	2	SSW	1	NE	0	10	----------	Cu.-N. SW	10	----------	cu.-N.	SW
10	NNE	1	NNE	2	N	3	NNE	4	NNE	4	NNE	3	9	A.-Cu.	cu.-N. NNE	10	----------	N.	N
11	NNE	4	NNE	4	NNE	5	N	5	NNE	2	Calm	----	10	A.-Cu. NE	cu.-N. NNE	3	A.-Cu.	Cu.	N
12	Calm	----	Calm	----	WNW	1	NNW	2	Calm	----	SE	1	10	A.-Cu. E	S.-Cu. ESE	2	----------	Cu.	
13	ENE	0	Calm	----	Calm	----	WSW	2	Calm	----	SW	0	0	Ci.	----------	2	----------	Cu.	
14	Calm	----	ESE	0	NNW	1	N	2	N	1	NNE	0	2	----------	S.-Cu.	2	----------	Cu.	
15	N	0	E	0	NW	0	NNW	1	Calm	----	Calm	----	1	Ci.	----------	0	----------	Cu.	
16	Calm	----	EbyN	1	WNW	1	NW	1	Calm	----	Calm	----	0	----------	Cu.	8	A.-Cu. ESE	S.-Cu.	
17	WSW	0	Calm	----	SW	0	W	2	Calm	----	SE	0	10	A.-Cu. SSW	S.-Cu.	4	Ci.-Cu.	Cu.	W
18	NNE	1	E	1	NNW	2	NW	2	NNW	1	NNE	1	0	----------	----------	6	----------	Cu.	NNE
19	ENE	1	EbyS	1	ENE	1	NNW	2	NbyW	1	NNE	1	0	----------	----------	0	----------	Fr.-Cu.	
20	NE	0	ENE	0	Calm	----	NW	2	Calm	----	Calm	----	1	----------	S.-Cu.	3	----------	Cu.	NNE
21	NW	1	Calm	----	NW	2	NNW	2	Calm	----	Calm	----	1	----------	S.-Cu.	5	Ci.-S.	S	Cu. NNW
22	ESE	1	ESE	0	ESE	0	WSW	2	NNW	1	Calm	----	1	----------	S.-Cu.	6	----------	Cu.	WSW
23	Calm	----	Calm	----	NE	1	NNW	2	Calm	----	Calm	----	1	Ci.	S.-Cu.	1	----------	Cu.	
24	ESE	0	SE	1	SW	1	WNW	1	Calm	----	Calm	----	0	----------	S.-Cu.	5	A.-Cu. ENE	Cu.	W
25	Calm	----	ESE	1	N	1	NW	1	NNW	0	NNE	1	0	----------	S.-Cu.	1	Ci.	Cu.	
26	ENE	0	Calm	----	NE	1	SW	1	Calm	----	WNW	0	3	Ci. SW	Cu. NW	7	Ci.	Cu.	SW
27	E	1	EbyN	0	NW	1	NNW	2	Calm	----	Calm	----	4	Ci.	Cu.	4	Ci. SW	Cu.	ENE
28	ESE	1	EbyS	1	ESE	1	NNW	2	NNW	0	ESE	1	5	Ci. SW	S.-Cu.	8	Ci. SW	Cu.	
29	ESE	1	EbyS	1	NW	0	NNE	2	NbyE	1	WNW	1	9	Ci. WNW	Cu.	9	Ci.-S. WSW	Cu.	NE
30	Calm	----	Calm	----	SW	1	W	1	WSW	1	Calm	----	8	Ci. SW	Cu.	3	A.-Cu. ESE	Cu.	
31	SE	1	SE	1	NW	1	W	2	Calm	----	SE	1	3	A.-Cu.	Cu. SE	3	Ci.-S.	Cu.	
Mean	------	0.7	------	0.7	------	1.3	------	2.1	------	0.8	------	0.7	3.7	----------	----------	4.5	----------	----------	

TUGUEGARAO.

[$\phi = 17° 36'$ N; $\lambda = 121° 40'$ E; barometer above sea, 23 meters; gravity correction not applied, —1.61 mm.]

JANUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	62.51	62.72	63.53	60.72	60.97	61.72	21.1	19.6	26.1	29.4	25.6	21.9	30.3	19.5	92	96	79	70	80	92	------
2	61.15	61.59	62.48	60.16	61.19	61.96	20.2	19.5	24.2	26.4	23	22.2	28.6	18.2	96	91	82	70	90	94	4.3
3	60.97	61.94	63.37	61.40	61.93	63.08	21.6	21.4	24.7	25.2	24.1	21.5	28.6	20.7	97	97	75	85	86	93	------
4	62.95	63.52	64.72	62.08	62.15	62.87	21.5	21.4	24.5	28	25.1	22.2	29.4	20.4	93	95	80	71	83	87	------
5	62.73	62.70	63.89	61.07	61.85	63.05	20	19	26.5	31.5	26.6	24	32.2	18.5	91	95	86	58	80	91	------
6	62.32	62.87	64.26	61.62	62.03	63.89	22.4	21.3	26.5	27.9	24.4	23	29.2	20.6	95	96	84	71	74	83	------
7	63.51	63.77	65.23	62.64	63.04	64.94	21.4	21.1	24.8	25.7	23	21.8	27.1	20.4	94	94	83	72	79	79	------
8	64.30	64.64	65.80	62.63	62.68	63.59	20.3	19.6	24	27.8	23.9	20.8	28.4	19	90	92	78	68	77	89	------
9	62.27	61.94	62.35	59.49	58.95	59.82	19	18	23	29.5	27	24.2	30.8	17.6	98	97	88	70	78	90	------
10	59.24	59.31	60.13	57.53	57.54	58.53	21.8	20.7	25.1	26.3	24.4	23	28	20	98	98	91	82	87	97	------
11	58.43	58.81	60.20	57.88	58.19	59.66	22.6	22.4	25.5	27	23.3	22.2	27.6	21.6	97	94	84	78	84	90	------
12	59.94	60.13	61.46	59.93	60.27	62.34	21.6	21	25.4	25.9	22.3	22	27.5	20.5	91	91	73	71	80	81	------
13	61.94	62.09	63.57	61.98	62.53	63.74	21	20.6	23.3	24.9	20.9	20.6	26.4	19.3	88	90	79	81	94	94	------
14	63.24	63.04	63.73	60.69	60.51	61.68	20.6	20.6	23.5	26.9	24	22.6	28.4	20	94	96	89	75	84	95	------
15	61.06	61	61.97	59.29	59.59	60.72	21.3	21	23.7	26.9	22.4	20.7	27.5	20.3	98	95	85	73	84	94	------
16	60.56	61.01	62.24	60.26	60.40	61.92	20.2	20.1	22.5	26.2	22	21.1	26.9	19	94	91	83	69	82	86	------
17	61.76	61.68	62.58	59.98	60.33	61.49	20	19.6	24	26.2	23.7	21.4	27.5	18.5	91	90	74	70	82	93	------
18	61.17	61.29	62.39	60.11	60.36	62.08	21.3	21.3	24	27.1	24	22.3	27.5	20.5	94	95	83	72	80	89	------
19	61.52	61.83	62.74	60.59	61.01	62.80	20.5	20.1	25.2	24.6	23.4	21.1	29	19.5	98	94	78	91	76	91	------
20	62.29	62.16	63.29	60.89	61.09	62.48	19.3	19.5	22.8	58.9	24.3	20.4	30	18.1	87	88	81	64	78	91	------
21	62.19	62.14	63.13	60.14	60.23	61.81	19.4	19	22	29	26	22.3	30.7	18	94	90	88	64	73	93	------
22	61.39	61.65	62.73	59.91	59.99	61.42	20.6	20.1	25.4	29.5	24.5	22.4	30.4	19.7	99	97	74	63	75	89	------
23	61.24	61.04	61.49	59.25	59.51	60.86	21.6	21	23.8	25.4	22.5	21.8	26.3	20.1	93	96	82	77	87	87	------
24	60.57	60.16	61.27	59	59.38	61.21	21.5	21.1	24	27.3	24	21	27.9	20	87	88	79	68	75	86	------
25	60.86	60.46	62.12	59.74	59.65	60.56	20.3	20	24	27.4	24.7	22.5	28.5	18.8	90	91	79	66	73	81	------
26	60.24	59.94	60.16	57.42	57.25	58.32	21.1	20.5	28	30.9	28	24.3	32.4	19.7	92	96	68	60	70	91	------
27	58.13	57.71	59.16	56.30	56.10	57.49	22	20.4	24.7	31	27.5	24.2	32	20	97	97	87	65	76	86	------
28	57.15	57.40	58.79	56.37	56.75	58.10	22.4	22	26	31.9	28.2	23.6	33.8	21.2	97	96	82	59	77	95	------
29	58.02	58.26	59.86	56.79	56.71	58.17	23	23	26.1	31	27.5	23.6	32.1	22.1	98	96	83	64	75	88	------
30	57.84	58.44	59.57	56.74	56.64	58.26	21.1	20.2	28.4	32.9	29.5	24.5	33.5	19.5	97	99	70	53	64	87	------
31	58.12	58.24	59.54	56.48	56.13	57.61	22	20.6	28.3	33.7	30	24.8	36.4	20.1	97	95	72	59	68	85	------
Mean	60.96	61.08	62.19	59.65	59.84	61.17	21.1	20.5	24.8	28.1	24.8	22.4	29.5	19.7	94.1	94.1	80.6	69.6	79.1	89.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	4.3

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.				2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.		Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12.		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*				*0–10*			
1	Calm	----	Calm	----	Calm	----	ESE	1	Calm	----	Calm	----	7	----------	S.-Cu.		6	Ci.	Cu.	S
2	Calm	----	Calm	----	N	1	N	1	N	1	Calm	----	4	----------	S.-Cu.		7	----------	Cu.	N
3	Calm	----	Calm	----	Calm	----	ESE	1	Calm	----	Calm	----	10	----------	N.		8	----------	Cu.-N.	E
4	Calm	----	Calm	----	W	1	SW	1	Calm	----	Calm	----	10	----------	S.-Cu.		6	----------	Cu.	
5	Calm	----	Calm	----	W	1	Calm	----	N	1	Calm	----	0	----------	----------		2	----------	Cu.	
6	Calm	----	Calm	----	NW	1	N	2	NW	3	NW	2	10	----------	S.-Cu.		8	----------	Cu.	
7	NW	1	N	1	NW	1	NE	2	NW	1	N	1	8	----------	Cu.-N.		10	----------	Cu.-N.	NE
8	Calm	----	Calm	----	Calm	----	NE	1	N	1	N	1	7	----------	S.-Cu.		6	----------	Cu.	NE
9	Calm	----	SE	1	SE	1	S	1	NE	1	NE	1	3	----------	S.-Cu.		8	----------	Cu.	
10	Calm	----	Calm	----	N	1	NE	2	NE	1	NE	1	7	----------	S.-Cu.		9	----------	Cu.-N.	NE
11	N	1	NW	1	NW	2	N	2	NW	2	NW	2	6	----------	S.-Cu.	N	7	Ci.	Cu.	N
12	NW	1	NW	1	NW	2	NW	3	NW	2	NW	3	4	----------	S.-Cu.	N	10	----------	Cu.-N.	N
13	Calm	----	Calm	----	Calm	----	NE	2	NW	1	N	1	8	----------	S.-Cu.		10	----------	Cu.-N.	N
14	Calm	----	Calm	----	Calm	----	NW	2	NW	1	NW	1	10	----------	S.-Cu.		10	----------	Cu.-N.	
15	NW	1	N	1	NE	1	NW	2	N	2	N	3	6	----------	S.-Cu.		7	----------	Cu.	N
16	NE	1	Calm	----	NE	1	NE	2	NW	2	NW	2	8	----------	S.-Cu.		8	----------	S.-Cu.	N
17	N	1	N	1	N	1	Calm	----	Calm	----	NW	1	9	----------	S.-Cu.		10	----------	S.-Cu.	N
18	N	1	N	1	NE	1	NW	1	NE	1	NW	1	10	----------	S.-Cu.		10	----------	S.-Cu.	N
19	NE	1	NW	1	NW	1	NW	1	NW	2	NW	2	1	----------	S.		6	----------	Cu.	NW
20	Calm	----	NNW	1	Calm	----	SE	1	NW	1	N	1	10	----------	S.-Cu.		6	Ci.	Cu.	
21	Calm	----	Calm	----	Calm	----	NW	1	NE	1	N	1	8	----------	S.-Cu.		5	----------	Cu.	
22	Calm	----	Calm	----	N	1	NE	1	NW	1	NW	2	6	----------	S.-Cu.		6	----------	Cu.	N
23	NW	1	NW	1	N	1	NW	3	NW	2	NW	3	9	----------	S.-Cu.		7	----------	Cu.	N
24	Calm	----	Calm	----	Calm	----	NW	1	Calm	----	Calm	----	10	----------	S.-Cu.		8	----------	Cu.	
25	Calm	----	Calm	----	Calm	----	Calm	----	NW	1	NW	1	7	----------	S.-Cu.	E	10	----------	S.-Cu.	
26	Calm	----	Calm	----	SW	1	SE	1	SE	1	Calm	----	8	----------	S.-Cu.		9	----------	Cu.	
27	Calm	----	Calm	----	Calm	----	Calm	----	NW	2	NW	2	6	----------	S.-Cu.		5	----------	Cu.	
28	Calm	----	Calm	----	Calm	----	SE	1	NW	2	NW	1	8	----------	S.-Cu.		4	----------	Cu.	
29	NW	1	Calm	----	Calm	----	SE	1	NW	1	Calm	----	8	----------	S.-Cu.		7	----------	Cu.	S
30	Calm	----	Calm	----	SE	1	SE	1	Calm	----	Calm	----	8	----------	S.-Cu.		7	Ci.-S.	Fr.-Cu.	
31	Calm	----	Calm	----	Calm	----	S	1	SE	1	Calm	----	3	Ci.	S.		2	----------	Cu.	
Mean	------	0.3	------	0.3	------	0.6	------	1.3	------	1.1	------	1.1	7.1	----------	----------		7.2	----------	----------	

TUGUEGARAO.

[$\phi = 17° 36'$ N; $\lambda = 121° 40'$ E; barometer above sea, 23 meters; gravity correction not applied, −1.61 mm.]

FEBRUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.19	57.56	58.79	56.04	56.03	58.20	22.4	21	28.3	33	30.1	26	34.5	20.5	90	96	67	52	68	81	------
2	58.09	58.64	60.57	58.12	58.07	60.76	25	24	26.2	31.4	28.2	25	33	23.3	86	91	85	64	71	85	------
3	60.24	59.85	61.63	59.15	59.74	61.58	23.2	22.6	26.6	30.5	24.5	23.5	31.4	21.8	90	96	76	58	78	79	------
4	61.42	62.12	63.89	62.49	62.67	63.79	22.2	21.6	25	24.4	23.2	22.6	27.2	20.6	88	91	73	74	81	82	------
5	63.57	63.59	64.72	62.62	62.56	63.13	21.8	21.6	24	26.7	23.2	22.2	26.9	20.6	87	88	78	77	85	85	------
6	62.47	62.53	63.48	61.69	62.26	63.72	21.2	21.5	24.3	25	23	20.7	26.7	19.6	90	84	71	68	69	89	------
7	63.12	63.34	64.28	62.09	61.41	62.41	20.5	20.2	23.6	24.6	23.5	22.2	25.5	20	90	91	82	74	82	95	------
8	62.10	62.32	63.25	61.07	60.66	62.64	21.2	20.7	23.5	27.3	24.3	22	28.7	20	99	94	74	71	82	86	------
9	62.32	62.19	64.37	62.30	62.06	64.05	20.6	19.2	23.1	27.5	24.3	21.1	29.6	18.1	85	92	90	63	74	81	------
10	63.64	64.33	66.18	64.06	63.72	65.07	18.2	18.6	24	26.7	24.5	22.6	30.2	17.4	93	89	65	62	74	81	9.7
11	64.58	64.72	65.55	63.71	63.73	65.03	21.3	20.7	22.6	27.4	22.7	22.2	27.9	20.2	90	94	94	82	93	94	21.5
12	64.30	64.42	65.48	63.65	63.28	64.94	21.5	21.6	23.4	27	24	20.7	28.1	20.3	97	96	91	72	73	91	5.8
13	64.57	64.14	65.37	62.86	62.07	63.46	20.3	20	23.3	28.9	25.6	23	30	19.6	93	95	75	58	64	79	------
14	62.92	62.64	64.27	61.70	61.15	62.52	21.3	20.4	23.1	27.2	25.5	21.6	29.4	19.6	93	99	78	71	78	91	------
15	62.17	61.92	62.72	60.63	60.69	61.79	21.3	21	25.6	27.5	24.4	21.7	29.4	19.6	91	93	74	63	70	81	------
16	61.73	61.48	62.90	60.77	60.81	61.89	21.5	21.7	23.1	25.9	23	22	27	20.1	83	83	78	75	83	88	------
17	61.08	60.10	62.12	60.41	60.39	61.58	21.8	22	22.5	23.7	22.3	22	24	20.7	89	88	87	93	93	93	15.7
18	61.06	61.45	63.29	62.58	62.68	64.24	21	21.2	23	22.4	21.7	21.4	25	20.4	95	94	83	91	80	82	------
19	64.15	64.24	66.14	64.49	65.04	66.56	20.9	20.6	23.6	23.7	20.3	20.1	25.7	19.6	83	81	62	73	81	81	------
20	65.91	66.19	67.12	65.08	64.72	66.04	19.7	19.8	23	23.4	21.1	20.8	24.3	17.8	82	78	74	72	87	90	------
21	65.65	65.13	66.04	63.41	63.07	64.74	20	19.8	23.5	25.8	23.8	21	26.5	19.3	94	92	68	62	65	80	------
22	63.93	63.35	64.17	60.63	60.55	62.27	17.4	16.1	23.7	28.9	25.2	20.6	31	15.5	92	94	66	55	66	89	------
23	62.22	62.36	64.18	61.83	62.02	64.69	18.3	18.7	24.6	27.7	23.7	20.2	28.2	17.5	95	95	73	52	67	95	------
24	64.49	64.40	66.15	63.60	64.09	65.79	19.8	19.6	24.8	25.1	21.3	20.1	27.3	19.1	92	91	70	70	88	91	------
25	64.87	64.16	64.97	62.22	62.07	63.28	20	19.8	25.3	26.7	23.8	21.6	28.3	19.4	91	96	70	66	78	89	------
26	62.12	61.77	63.04	60.77	60.79	62.05	21.4	21.2	23.3	26.7	23	21.4	27	20.5	91	92	84	69	85	89	------
27	61.05	60.81	62.02	59.16	59.05	60.58	20.6	19.7	25	27.6	25.5	22.6	29.4	19.1	97	94	73	64	75	86	------
28	60.16	60.05	61.14	58.36	59.04	60.84	20	19.6	26.5	30.6	25	22.6	32.2	18.8	98	99	69	54	71	82	------
Mean	62.54.	62.49	63.85	61.62	61.59	63.13	20.9	20.5	24.2	26.9	24	21.9	28.4	19.6	90.9	91.6	76.1	68	77.2	86.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	52.7

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	SW	1	Calm	----	S	1	SE	2	Calm	----	NW	2	7	----------	S.-Cu.	5	----------	Cu.	S
2	Calm	----	Calm	----	Calm	----	Calm	----	NW	2	NW	1	10	----------	S.-Cu.	5	----------	Cu.	
3	Calm	----	N	1	NW	1	NW	1	NW	3	NW	4	10	----------	S.-Cu.	7	----------	Cu.	NW
4	NW	5	N	3	NW	2	NW	3	NW	3	NW	3	7	----------	S.-Cu.	10	----------	S.-Cu.	N
5	NW	2	NW	1	NW	2	NW	2	NW	1	NW	1	10	----------	S.-Cu.	10	----------	S.-Cu.	
6	NW	3	NW	3	N	3	NW	4	NW	2	Calm	----	10	----------	S.-Cu.	10	----------	S.-Cu.	N
7	Calm	----	Calm	----	Calm	----	NW	1	Calm	----	Calm	----	10	----------	S.-Cu.	10	----------	Cu.	NE
8	Calm	----	Calm	----	Calm	----	S	1	Calm	----	Calm	----	10	----------	S.-Cu.	7	----------	Cu.	E
9	Calm	----	Calm	----	Calm	----	NW	1	Calm	----	NNW	1	8	----------	S.-Cu.	10	----------	Cu.	
10	Calm	----	Calm	----	Calm	----	NW	1	NW	1	NW	1	7	----------	S.-Cu.	10	----------	Cu.-N.	
11	Calm	----	Calm	----	Calm	----	NW	1	NW	2	Calm	----	10	----------	N.	10	----------	Cu.-N.	
12	Calm	----	Calm	----	N	1	NW	2	Calm	----	Calm	----	10	----------	Cu.-N.	10	----------	Cu.-N.	N
13	Calm	----	Calm	----	Calm	----	Calm	----	NW	1	Calm	----	8	----------	S.-Cu.	6	A.-Cu.	Cu.	
14	Calm	----	Calm	----	Calm	----	NW	1	NW	1	NW	1	7	----------	S.-Cu.	6	----------	Cu.	
15	Calm	----	Calm	----	N	2	NW	2	NNW	1	NW	1	6	Ci.	S.	7	----------	Cu.-N.	N
16	NW	2	NW	2	NW	3	NW	3	NW	2	NW	3	8	----------	Cu.-N.	8	----------	Cu.-N.	N
17	N	4	NW	3	NW	2	NW	3	NW	3	NW	2	8	----------	Cu.-N.	10	----------	N.	N
18	NW	3	NW	3	NNW	2	NW	3	N	4	NW	4	10	----------	N.	10	----------	N.	
19	Calm	----	NW	4	NW	5	N	4	N	2	N	3	10	----------	S.-Cu.	8	Ci.	SW	Cu.-N.
20	NW	2	NW	1	NW	1	N	2	N	1	NW	1	5	----------	S.-Cu.	10	----------	N.	N
21	N	1	N	1	NNW	1	N	2	NW	1	N	1	8	----------	S.-Cu.	9	----------	Cu.	N
22	Calm	----	Calm	----	Calm	----	Calm	----	N	1	Calm	----	6	Ci.	S.	8	Ci.	Cu.	
23	Calm	----	Calm	----	N	1	NW	3	N	1	NW	2	7	----------	S.-Cu.	9	----------	Cu.	N
24	N	1	NW	3	N	2	N	2	NW	2	NW	3	4	A.-Cu.	S.	7	----------	Cu.	N
25	N	3	NW	3	NW	2	NW	3	NNW	1	NW	3	7	----------	S.-Cu.	NW	6	----------	Cu. N
26	NW	1	NW	1	NW	1	NW	2	N	1	NW	1	10	----------	Cu.-N.	10	----------	Cu.-N.	NE
27	N	1	Calm	----	NE	1	Calm	----	NW	1	Calm	----	6	----------	N.-cf.	10	----------	Cu.-N.	
28	Calm	----	Calm	----	Calm	----	NE	1	N	2	NW	1	8	----------	S.-Cu.	8	----------	Cu.	E
Mean	------	1	------	1	------	1.2	------	1.8	------	1.4	------	1.4	8.1	----------	----------	8.4	----------	----------	

TUGUEGARAO.

[ϕ=17° 36′ N; λ=121° 40′ E; barometer above sea, 23 meters; gravity correction not applied, —1.61 mm.]

MARCH, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.81	60.94	62.72	60.32	60.28	61.67	21.2	21.1	26.2	29.8	24.5	22	30	20.5	94	90	72	52	68	81	------
2	61.21	61.38	62.92	60.94	60.76	61.92	20	19.5	24.3	26	22.2	21	27	18	96	90	73	65	76	77	------
3	61.79	61.80	63.29	61.25	60.75	62.19	20.3	19.4	23.2	27.1	23.6	21.5	28.5	18.6	81	87	69	59	67	74	------
4	61.98	61.94	62.79	60.05	59.92	61.37	19.8	19	26.2	30.3	26.5	22.1	30.7	18.6	87	94	61	53	60	78	------
5	60.99	60.94	61.99	59.27	59.12	60.75	20.9	20.6	28	31.5	27.2	25	33.4	18.7	86	88	61	50	65	64	------
6	60.24	60.21	61.51	58.10	58.19	60.02	22.3	19.5	28.1	32.6	28.3	25	34.7	18.5	73	90	61	46	58	73	------
7	59.93	60.29	61.73	58.76	58.60	60.39	22.5	22.4	27.1	32.7	28	24.7	34.8	21.6	82	83	71	53	58	75	------
8	59.92	60.67	62.06	58.76	58.03	59.90	21.5	19.5	28.6	32.9	30	22.6	34.3	18.9	87	91	55	44	80	90	------
9	59.49	59.94	61.79	58.91	57.87	59.63	20.1	19.7	28.6	33.2	30	22.5	34.3	18.3	95	88	51	37	82	82	------
10	58.68	58.94	60.46	57.71	57.92	60.05	19.5	18.3	27.3	33.6	22.5	22.6	35	18	96	95	63	35	90	88	------
11	60.11	60.39	62.15	59.49	59.37	61.57	21.4	21	29	32.2	28.5	25.6	33.4	20	88	89	64	48	55	70	------
12	61	60.92	62.73	60.44	60.92	62.45	23.4	22.8	28.3	32.2	27.3	24	33.5	22.5	85	89	70	57	64	83	------
13	61.92	61.82	62.83	59.44	58.83	61.20	20.8	19.7	29.8	35.1	31.5	25	35.8	19.5	95	89	63	41	49	80	------
14	60.74	60.68	61.70	58.83	57.68	59.43	22.4	21.1	31	35.5	31.5	25.9	36.5	20.7	90	95	62	39	50	74	------
15	58.94	59.21	60.63	57.48	57.14	59.12	21.3	20.6	30.2	33.4	30.3	25.2	35.7	20	91	91	60	53	63	82	------
16	58.35	58.80	60.49	57.59	57.33	59.23	22.4	20.7	30.6	34.7	31.2	25.8	37.1	20.5	96	94	55	43	52	80	------
17	58.70	59.19	60.97	58.19	57.60	59.95	22.8	22.5	28.6	35.6	30.1	25.3	37	21	96	92	75	44	68	85	------
18	59.14	59.37	60.51	57.84	57.90	60.37	24.3	23.6	29.9	33.4	28	25.6	35.6	22.5	87	87	67	48	70	84	------
19	60.44	60.79	62.40	59.89	59.69	61.96	23.9	23.4	28.3	30	24.3	23.5	31.1	22.4	91	85	66	59	73	76	------
20	61.60	62.24	62.97	59.78	59.72	61.52	22.2	21.3	27.2	30	27	24.4	31.7	20.4	86	92	65	57	70	77	------
21	60.69	61.49	62.55	59.89	59.30	61.61	22.4	20.6	28.7	33	30.3	24.1	34.4	20	85	92	61	50	55	86	------
22	60.94	61.68	62.82	60.08	59.98	61.65	22	21.1	29.7	33.1	31.1	25.4	36	20.5	96	95	63	52	56	80	------
23	60.80	61.62	62.92	59.77	59.95	61.77	23	22.6	28.6	33.8	28.5	25.2	34.4	22	97	97	67	49	64	83	------
24	60.80	61.28	63.20	61.36	61.21	62.99	23.5	23	25.6	27.2	24.1	23.4	32.4	22.5	94	94	79	79	95	95	10.7
25	61.97	62.09	63.62	61.58	61.86	63.79	22.6	22	24.7	26.4	24.4	23	27	21.3	97	96	84	71	80	88	2.3
26	62.89	63.09	64.71	62.61	62.31	64.07	22.3	22.2	26.3	28.7	25.4	23.6	29.5	21.2	88	86	75	69	80	81	2.8
27	63.57	63.98	65.43	63.38	63.03	64.28	22.6	22.3	24.5	25.3	25.3	23	25.8	21.5	89	91	85	82	82	93	8.1
28	63.57	63.47	64.86	62.06	62.27	64.16	22.4	22.1	24.7	31	24	23.1	32.4	21.5	98	99	87	59	87	94	25.9
29	63.24	63.27	65.03	62.42	61.86	64.05	22.8	22.5	27.1	32.2	28.5	24	33.4	22	93	96	80	56	61	87	------
30	63.36	63.24	64.25	61.31	60.49	62.37	22.3	20.6	28.9	31	28.4	23.2	34	20	88	98	67	49	61	86	------
31	61.84	61.67	62.44	58.74	58.37	60.52	21	20.5	28.7	32.8	28.7	23	34.3	20	98	98	69	50	59	83	------
Mean	60.96	61.20	62.60	59.88	59.62	61.48	21.9	21.1	27.7	31.5	27.5	23.9	33	20.4	90.5	91.6	67.8	53.2	67.7	81.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	49.8

Day.	Wind.										Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10. p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	NW	1	N	1	N	1	NE	1	N	2	NE	1	4	----------	S.-Cu.	5	----------	Cu. N
2	NNE	1	NE	1	N	1	N	2	NW	3	NW	3	4	----------	S.-cf.	7	----------	Cu. S
3	Calm	----	Calm	----	Calm	----	N	1	N	1	N	1	10	----------	S.-Cu.	9	----------	Cu.
4	Calm	----	Calm	----	SW	1	SW	1	SW	1	S	1	7	----------	S.-Cu.	8	----------	Cu. S
5	SW	1	Calm	----	SE	1	SE	2	SE	1	Calm	----	8	----------	S.-Cu.	8	----------	Cu. SE
6	Calm	----	Calm	----	SE	1	Calm	----	NE	1	NE	1	0	----------	----------	6	----------	Cu. SE
7	NE	1	SW	1	Calm	----	S	1	NW	1	NW	1	10	----------	Cu.-N.	9	----------	Cu.
8	Calm	----	Calm	----	SW	1	Calm	----	Calm	----	NW	1	0	----------	----------	3	----------	Fr.-Cu.
9	Calm	----	Calm	----	S	1	SE	1	Calm	----	Calm	----	0	----------	----------	3	----------	Fr.-Cu.
10	Calm	----	Calm	----	Calm	----	NE	1	N	3	NW	1	0	----------	----------	0	----------	----------
11	Calm	----	Calm	----	Calm	----	N	1	N	1	NW	1	3	Ci.	S.	3	----------	Cu.
12	SE	1	SE	1	SE	1	SE	3	SE	2	SE	1	8	----------	Cu.-N.	7	----------	Cu. S
13	Calm	----	Calm	----	SE	2	SE	2	SE	1	Calm	----	0	----------	----------	0	----------	----------
14	Calm	----	ESE	1	SE	1	SE	1	SW	1	SW	1	0	----------	----------	0	----------	----------
15	Calm	----	Calm	----	Calm	----	NE	1	NE	1	Calm	----	0	----------	----------	6	----------	Cu. NE
16	Calm	----	Calm	----	SE	1	N	1	N	1	NW	1	0	----------	----------	3	----------	Cu.
17	Calm	----	Calm	----	S	1	S	1	N	1	N	1	7	----------	Cu.-N.	6	----------	Cu.
18	Calm	----	Calm	----	Calm	----	Calm	----	N	3	N	2	9	----------	Cu.-N.	4	----------	Cu.
19	NE	1	NE	1	N	1	N	3	NW	3	NW	5	10	----------	S.-Cu.	6	----------	Cu.
20	NW	1	NW	1	Calm	----	SE	1	NW	1	Calm	----	7	----------	S.-Cu.	10	Ci.-S.	Cu.
21	Calm	----	Calm	----	SE	1	S	1	SE	1	NW	1	5	----------	S.-Cu.	4	----------	Cu. E
22	Calm	----	S	1	SE	1	NE	1	Calm	----	NW	3	8	----------	S.-Cu. SW	5	----------	Cu. E
23	N	1	Calm	----	NW	1	N	1	NW	2	NW	3	6	A.-S.	S.-Cu.	5	----------	Cu. N
24	NW	2	NNW	2	N	1	N	1	NNW	1	NW	2	8	----------	Cu.-N.	10	----------	Cu.-N. NE
25	NW	1	N	1	N	1	N	1	NW	1	NW	1	10	----------	Cu.-N. N	10	----------	Cu.-N.
26	N	1	Calm	----	Calm	----	S	1	Calm	----	Calm	----	8	----------	Cu.-N.	10	----------	Cu.-N. E
27	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	N	1	10	----------	N.	10	----------	Cu.-N.
28	Calm	----	Calm	----	NW	1	Calm	----	Calm	----	Calm	----	10	----------	Cu.-N.	9	----------	Cu.-N. E
29	Calm	----	Calm	----	Calm	----	Calm	----	NE	1	Calm	----	8	----------	Cu.-N.	7	----------	Cu. S
30	Calm	----	Calm	----	S	1	SW	1	Calm	----	Calm	----	2	Ci.	----------	5	----------	Fr.-Cu. E
31	Calm	----	Calm	----	Calm	----	S	1	NW	1	NW	1	2	----------	S.	6	----------	Fr.-Cu.
Mean	------	0.4	------	0.4	------	0.7	------	1	------	1.1	------	1.1	5.3	----------	----------	5.9	----------	----------

TUGUEGARAO.

[$\phi = 17° 36'$ N; $\lambda = 121° 40'$ E; barometer above sea, 23 meters; gravity correction not applied, −1.61 mm.]

APRIL, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.81	60.01	61.07	58.12	57.57	59.88	21.3	20.6	27.5	31.5	28.4	23.4	34.4	20	95	98	69	50	60	78	------
2	59.84	60.16	61.20	59.04	58.60	60.79	21.5	20.2	28.7	31.2	28.3	22.8	33.7	19.8	92	92	66	55	63	87	------
3	60.29	61.27	62.29	59.83	60.25	61.95	21.1	19.3	26.5	31.8	27.1	25	33.2	19.1	95	95	68	50	66	87	4.1
4	61.11	60.97	62.07	60.06	59.99	61.15	23	22.6	28.4	25.3	24.9	23.7	32.7	22.2	98	97	75	91	88	94	26.7
5	60.04	60.23	61.32	58.75	58.77	60.54	23.1	23.2	28.7	32.6	28.5	24.4	32.6	22	93	94	73	54	74	88	------
6	59.89	60.87	62.08	59.60	58.80	60.67	21.5	20	28.5	31.3	25.4	23.4	32.4	19	97	94	67	58	82	85	------
7	59.66	60.19	61.27	59.48	58.62	60.51	21.2	20	25.2	29.3	28	23.5	32	19.5	95	95	76	61	68	80	------
8	59.81	59.98	60.24	57.45	56.94	59.02	21.6	20.8	29.8	33.7	30.6	25.8	34.6	20.2	93	97	62	53	59	78	------
9	58.44	58.66	58.74	55.73	56.78	58.92	23.1	21.6	32.4	34.8	29.5	26.1	35.7	21.4	97	98	56	45	65	84	14.9
10	57.53	57.39	58.63	55.55	57.57	58.37	24.2	23.2	30	34.4	23.5	23.6	36.3	22.5	95	98	71	59	99	97	38.9
11	56.89	56.79	58.19	55.34	56.15	58.47	22.3	22	29	33.5	27.4	24.4	35.5	20	98	98	71	64	78	90	14
12	58.37	58.55	59.61	56.77	56.56	58.77	23.6	23.4	28.7	34.6	29	25.4	35.2	22.8	92	94	78	48	71	88	------
13	58.67	59.10	60.43	57	58.92	59.95	24.3	24	31.2	34.6	27.7	23.5	35.3	22.3	94	96	61	55	79	96	23.6
14	58.98	58.81	59.43	56.87	57.07	58.67	23.3	23	26	30.3	27.5	25.2	31.7	22.3	92	92	86	71	76	86	------
15	58.18	58.06	59.33	56.99	57.25	58.79	24.3	23.8	26.2	30.3	26.8	24.7	31	22.6	86	86	85	73	71	80	------
16	58.47	59.05	60.10	57.30	56.60	58.84	24.4	24.2	26.2	29.5	29	25	31	23.4	82	84	82	73	71	80	------
17	57.74	58.98	59.54	56.55	56.62	59.42	24	23.5	27.3	31.7	27.2	25.3	32.8	22.9	86	88	82	72	74	89	5.8
18	58.85	59.01	60.09	58.64	59.14	60.90	24.2	24.4	25.6	27	24.3	21.8	27.5	21.8	84	84	88	82	81	89	------
19	59.92	60.04	61.20	59.18	59.17	60.97	22.2	22	24.8	27.9	28.6	26.1	30.8	21.5	89	93	85	83	73	89	------
20	60.42	61.12	61.90	59.44	60.42	62.01	25.5	25.2	27.8	30.8	27	25.6	31.8	24.4	91	91	79	76	84	87	7.6
21	61.77	62.36	63.35	60.54	60.45	62	24.2	23.6	27.4	30.7	30.6	26.3	33.4	23.2	90	93	87	79	74	80	------
22	61.22	61.43	62.01	59.15	59.05	60.95	25	23.6	28.2	31.6	29.4	26.2	32.3	23.1	82	90	82	69	75	85	------
23	58.84	58.70	58.96	56.69	56.75	57.52	24.7	23.4	27.1	28.6	27.4	25.3	29.4	22.8	87	88	87	73	81	89	6.9
24	56.57	56.40	57.30	55	54.70	57.76	24.6	24	28.3	31.5	28.6	27	33	23.4	93	96	82	63	77	84	------
25	57.16	57.24	58.61	56.75	58.30	59.74	25.4	24.6	27.9	31.7	27.5	26	32.7	24	94	87	84	67	81	89	------
26	58.84	59.07	59.87	56.64	57.22	59.22	25.8	25.6	27.6	32.3	26.6	25.5	33.4	24.9	88	89	84	67	81	88	16.8
27	58.29	57.97	59.07	56	57.04	58.58	25	24.5	26.5	28.5	25.6	23.3	29.2	23	90	92	89	78	87	90	18
28	57.11	56.97	57.64	55.73	56.74	58.35	23	22.2	26.6	31	26.6	24.6	31.5	21.8	90	93	85	64	80	86	6.6
29	58.28	58.81	59.43	57.14	56.82	58.49	24.1	23.5	27	30.6	30	26	32.5	22	90	94	81	69	67	80	------
30	58.33	58.46	59.48	57.59	57.62	59.92	24.6	24.1	28.2	32.5	29	27.3	33.5	23.1	91	97	81	66	72	81	------
Mean	58.98	59.22	60.15	57.63	57.88	59.70	23.5	22.9	27.8	31.2	27.7	24.9	32.7	22	91.3	92.8	77.4	65.3	75.2	86.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	183.9

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	Calm	----	Calm	----	SE	1	SE	1	NW	1	NW	2	5	----------	Cu., S.-Cu.	8	----------	Cu.	
2	Calm	----	SE	1	Calm	----	Calm	----	Calm	----	NW	1	3	Ci.	Cu.	6	----------	Cu.	
3	Calm	----	Calm	----	Calm	----	N	1	N	1	SW	2	6	Ci., Ci.-Cu.	----------	4	----------	Cu.	E
4	Calm	----	Calm	----	Calm	----	E	1	Calm	----	Calm	----	8	----------	Cu.-N.	10	----------	Cu.-N.	
5	Calm	----	SE	1	SE	1	Calm	----	Calm	----	Calm	----	8	----------	Cu.-N. SE	7	----------	Cu.	
6	Calm	----	Calm	----	S	1	SE	1	Calm	----	Calm	----	4	Ci.-Cu.	Cu. S	8	----------	Cu.	
7	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	1	----------	S.	9	----------	Cu.-N.	S
8	Calm	----	SE	1	SE	1	SE	1	SE	1	Calm	----	0	----------	----------	5	----------	Cu.	
9	Calm	----	Calm	----	SE	1	SE	3	SE	2	SW	1	0	----------	----------	6	ci., Ci.-Cu.	Cu.	SE
10	Calm	----	SW	1	SE	1	SE	2	S	1	Calm	----	10	----------	N.	4	----------	Cu.	S
11	Calm	----	Calm	----	Calm	----	Calm	----	N	1	N	1	3	Ci.	S.	5	Ci.-S., Ci.-Cu.	Cu.	
12	Calm	----	Calm	----	S	1	SE	1	N	1	Calm	----	5	----------	Cu.-N.	4	----------	Cu.	S
13	Calm	----	Calm	----	SE	1	SW	1	NW	1	Calm	----	8	----------	S.-Cu. SW	3	----------	Cu.	
14	Calm	----	E	1	Calm	----	NE	1	NW	1	NE	1	8	----------	Cu.	4	----------	Fr.-Cu.	NE
15	Calm	----	Calm	----	NW	1	N	1	NW	1	NW	2	1	----------	S.	8	----------	Cu.	
16	NNW	1	NE	1	Calm	----	Calm	----	Calm	----	Calm	----	10	----------	Cu.-N.	9	----------	Cu.-N.	
17	Calm	----	Calm	----	Calm	----	SE	1	NW	2	Calm	----	2	----------	S.	5	----------	Cu.	S
18	Calm	----	NW	1	NW	1	NW	3	NW	2	N	3	10	----------	Cu.-N.NW	10	Ci.-S.	Cu.-N.	N
19	NW	1	N	1	Calm	----	N	1	Calm	----	NW	1	9	----------	Cu.-N. NE	5	Ci., Ci.-S.	Cu.	NE
20	NW	1	Calm	----	E	1	SE	1	Calm	----	Calm	----	10	----------	Cu.-N.	8	Ci.-S.	Cu.-N.	S
21	Calm	----	Calm	----	Calm	----	N	1	Calm	----	Calm	----	8	Ci.	N.-cf.	6	Ci.-S., Ci.-Cu.	Cu.	SE
22	Calm	----	Calm	----	SE	1	Calm	----	NE	1	Calm	----	7	Ci.-S., Ci.-Cu.	N.-cf. S	7	----------	Cu.	E
23	Calm	----	Calm	----	Calm	----	N	1	SE	1	Calm	----	7	----------	S.-Cu. E	9	Ci.	Cu.-N.	E
24	Calm	----	SE	1	S	2	SE	2	SW	2	Calm	----	10	----------	N. S	6	Ci.	Cu.	S
25	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	8	Ci.	S.	8	Ci.-S.	Cu.-N.	
26	Calm	----	Calm	----	SE	1	S	1	NW	1	N	1	9	----------	Cu.-N. S	5	----------	Cu.	
27	NW	1	Calm	----	SSE	1	SE	1	NW	1	NW	1	10	----------	N. SE	10	Ci.-S.	Cu.-N.	S
28	Calm	----	Calm	----	Calm	----	NE	1	NE	1	NE	1	6	ci., ci.-cu.	Cu.-N.	5	Ci.	Cu.	N
29	Calm	----	SE	1	NW	1	NW	1	Calm	----	Calm	----	10	Ci.-Cu.	N. NE	6	Ci.-Cu., A.-Cu.	Cu.	
30	Calm	----	Calm	----	S	1	Calm	----	NW	1	Calm	----	3	----------	S.-Cu. S	5	----------	Cu.	
Mean	------	0.1	------	0.3	------	0.6	------	0.9	------	0.8	------	0.6	6.3	----------	----------	6.5	----------	----------	

TUGUEGARAO.

[$\phi = 17° 36'$ N; $\lambda = 121° 40'$ E; barometer above sea, 23 meters; gravity correction not applied, —1.61 mm.]

MAY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.36	59.69	60.72	58.34	58.26	60.23	25.5	25.6	28.4	32.3	29.5	25.3	32.8	24.9	91	87	75	64	70	82	------
2	59.97	60	60.65	58.14	58.17	59.58	23.6	22	27.6	31.1	28.9	23.8	32.3	21.8	86	96	81	56	67	77	------
3	59.54	59.75	59.98	57.83	57.79	60.07	22.2	21	26.8	31.5	29.5	25.1	33.2	20.5	86	91	77	56	64	75	------
4	60.13	60.29	60.92	58.35	58.27	60.52	23.4	22.5	27.7	32.7	32.6	27.7	34.4	21.8	83	87	74	51	54	63	------
5	60.58	61.22	61.42	58.73	58.51	60.71	25	24	29.3	33.8	31.9	27.8	36	23.5	79	83	69	59	64	76	------
6	60.32	60.84	60.60	58.13	57.64	59.92	26.4	24.5	29.4	32.5	30.5	26.4	34.8	23.9	81	87	74	71	72	79	------
7	59.39	59.47	60.33	57.18	57.45	60.03	25	24	29	33.3	31.1	26.5	33.3	23.5	87	91	76	59	68	79	------
8	58.53	58.58	59.21	56.45	58.01	60.23	25.1	24.1	28.9	32.2	25.8	23.8	32.9	23.3	86	91	76	64	87	98	23.8
9	59.04	59.11	59.89	57.13	59.11	61.27	23.3	23.4	26	31.5	26.3	24	32.3	22.9	99	99	86	67	85	89	1.3
10	58.84	59.15	60.29	57.95	58.89	60.19	23.6	23.5	27.4	31.9	27	25.5	32.7	22.9	91	90	81	64	79	88	4.1
11	59.34	59.43	60.16	57.51	59.23	60.64	24.8	24.1	27.5	31.5	33.5	24	33.5	23.6	95	91	81	65	44	96	39.8
12	59.82	59.43	59.89	57.04	57.40	59.48	23.8	23.7	27.4	31.2	30.3	25.2	33.5	23.3	97	97	85	70	75	82	------
13	59.12	59.20	59.72	57.19	56.35	58.40	25.1	25	27.8	32.4	30.8	27.7	34.3	24.4	83	90	82	65	69	78	------
14	58.24	58.27	58.68	56.54	57.27	58.99	25.3	24.8	29.3	33.4	27.5	25	34.3	24.5	89	91	74	60	76	83	6.4
15	58.94	58.46	58.75	57.02	58.70	60.17	24.6	24.4	28	32.5	27.5	25.7	33.9	23.3	87	88	79	63	81	86	3
16	59.49	59.84	60.31	57.30	57.12	58.66	25.4	25	28.2	32.8	32.2	27	34.9	24.4	88	90	77	63	66	78	------
17	57.87	58.50	58.85	56.05	56.81	58.52	25.8	24.6	29.4	33.5	30.5	27	34.2	24	87	96	74	61	75	78	4.6
18	57.64	57.78	58.42	55.93	56.28	58.18	26.2	25.4	28.3	32.4	28.2	27	32.5	25	83	88	79	58	77	87	10.2
19	57.29	57.82	58.28	55.90	56.54	58.32	26.2	25.4	28.7	33.4	28.5	26.9	33.7	24.5	89	89	82	59	85	83	------
20	57.65	58	57.99	56.51	56.59	58.55	25.6	25	29.3	33.1	32.9	27.5	35.5	24.3	93	97	69	50	56	78	------
21	58	58.24	58.44	55.77	56.13	58.59	26	25.3	29	33.3	31.5	25.5	34.9	24.9	85	85	77	50	69	84	------
22	57.64	57.89	58.40	55.71	56.94	59.32	24.8	24.4	29.5	34.5	28	25.4	35.5	24.3	87	90	72	52	79	84	35.3
23	58.19	58.24	58.55	56	56.27	57.30	24.5	23.6	27.6	31.9	29.9	27.4	32.7	23.5	91	97	84	72	77	83	------
24	56.84	56.90	57.12	54.93	56.32	58.13	26.8	26.2	29.8	33.6	27.7	25.2	34.8	24.8	87	91	76	65	79	92	------
25	57.47	57.98	58.48	56.13	56.20	58.67	24.8	24.4	29	33.1	32.9	27	34.7	23	90	88	73	63	61	80	3
26	57.52	57.80	58.69	56.47	56.20	59.38	26.4	25.7	29.7	33.3	32.3	27.3	35.5	25.2	85	90	76	58	68	83	7.1
27	59.11	58.70	58.91	56.83	57.62	59.48	25.7	25.2	29	32.8	29	26.4	35	24.7	91	91	78	60	71	87	19
28	58.44	58.54	58.65	56.13	55.60	57.36	25.4	25	28.9	32.8	32	27.5	34.2	24.3	91	92	82	60	70	81	------
29	56.87	57.02	56.92	54.93	55.32	56.94	26.7	26	30.4	33.6	28	26.3	35.2	25.2	86	92	74	68	77	91	------
30	56.58	56.64	57.55	55.88	57.76	59.47	25.2	24.5	30.6	35	25.4	24.8	35.9	23.8	93	97	74	55	99	97	------
31	58.64	58.64	59.77	58.60	57.97	59.89	24.3	23.1	30.2	32.3	31.4	27.2	35	22.5	98	99	70	62	65	90	------
Mean	58.59	58.76	59.24	56.86	57.31	59.26	25	24.4	28.6	32.7	29.8	26.1	34.1	23.8	88.5	91.3	77	61	71.9	83.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	157.6

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	Calm	----	Calm	----	N	1	NE	1	N	1	NW	1	10	----------	N.	6	----------	Cu. N	
2	Calm	----	Calm	----	SW	1	NW	1	NW	1	NW	1	0	----------	----------	4	----------	Cu. NE	
3	Calm	----	Calm	----	Calm	----	SE	1	NE	1	Calm	----	----	----------	----------	6	----------	Cu. SE	
4	Calm	----	Calm	----	SE	1	SE	1	Calm	----	Calm	----	----	----------	----------	4	----------	Cu. ESE	
5	Calm	----	Calm	----	Calm	----	SE	1	Calm	----	N	1	2	Ci.	S.	7	----------	Cu. E	
6	Calm	----	Calm	----	SE	1	Calm	----	NNW	1	Calm	----	2	Ci.	S.-Cu.	7	----------	Cu.-N.	
7	Calm	----	Calm	----	SE	1	SE	1	Calm	----	Calm	----	6	Ci., Ci.-S.	----------	8	Ci., Ci.-S.	Cu. S	
8	Calm	----	Calm	----	SE	1	S	1	SE	3	Calm	----	3	Ci., Ci.-Cu.	Cu.	9	----------	Cu. S	
9	SE	1	SE	1	S	1	Calm	----	SE	2	SE	1	10	----------	Cu.-N. SE	8	Ci.-S., Ci.-Cu.	Cu.-N.	
10	SE	1	SE	1	Calm	----	Calm	----	Calm	----	Calm	----	8	A.-Cu.	Cu.-N. S	7	A.-Cu.	cu., cu.-N.	
11	Calm	----	SE	1	SW	1	Calm	----	NW	1	NW	1	6	A.-Cu.	Cu.-N. SE	6	Ci.-S.	Cu.	
12	SE	1	SE	1	S	1	Calm	----	N	2	NE	1	8	A.-Cu. S	Cu.-N. SSW	4	----------	cu., cu.-N.	
13	NE	1	S	1	S	1	S	1	Calm	----	Calm	----	10	----------	S.-Cu.	6	----------	cu., cu.-N.	
14	Calm	----	Calm	----	S	1	S	1	NW	1	NW	1	2	----------	S.	3	----------	Cu.	
15	Calm	----	Calm	----	Calm	----	N	1	NE	2	NW	1	4	Ci.	Cu.	7	Ci.-S.	Cu., Cu.-N.NE	
16	Calm	----	SE	1	S	1	SW	1	NW	1	NE	1	8	Ci., Ci.-S.	Cu.-N.	5	Ci., Ci.-S.	Cu. S	
17	Calm	----	Calm	----	SE	1	SE	1	SE	1	NE	3	7	----------	S.-Cu.	7	Ci.	Cu. S	
18	SE	1	E	1	SE	1	SE	1	NNE	2	NE	2	10	A.-Cu. SE	Cu.-N. SW	7	Ci.	Cu.-N. NE	
19	SE	1	ESE	1	SE	1	SE	1	NE	2	NW	2	7	----------	Cu.-N. SE	5	Ci.-S.	cu., cu.-N.	
20	NE	1	SE	1	SE	1	SE	1	NE	1	NE	1	0	----------	----------	2	----------	Cu.	
21	Calm	----	Calm	----	Calm	----	NW	1	NW	3	S	1	4	Ci.	----------	7	Ci., Ci.-S.	Cu.	
22	S	1	W	1	SE	1	ESE	1	NW	4	NW	2	5	Ci., Ci.-S.	----------	6	----------	cu., cu.-N.	
23	SE	1	SE	1	SE	1	Calm	----	NW	2	NW	1	6	A.-Cu. S	S.-Cu.	8	Ci., A.-Cu.	cu., cu.-N.	
24	Calm	----	Calm	----	SE	1	SE	1	N	2	NW	1	10	----------	N. S	5	----------	Cu., Cu.-N. S	
25	SSW	1	SE	1	S	1	SE	2	NW	2	NE	1	6	Ci., Ci.-Cu.	S.	6	Ci.-S.	Cu. S	
26	Calm	----	SSE	1	SE	1	NW	1	NW	2	NW	2	6	Ci., Ci.-Cu.	Cu.-N. S	3	Ci.	Cu.	
27	Calm	----	SSE	1	S	1	SE	1	N	2	ESE	2	7	Ci.-S., Ci.-Cu.	Cu.-N. S	7	Ci.-S.	Cu.	
28	SE	1	SE	2	S	1	SW	1	S	2	NW	1	6	Ci.	Cu.-N. SE	8	Ci., Ci.-S.	Cu.	
29	Calm	----	SE	1	S	2	Calm	----	Calm	----	SE	1	8	Ci.-Cu., A.-Cu.	Cu.	6	Ci., Ci.-Cu.	Cu.	
30	SE	1	S	1	Calm	----	NW	1	NE	2	SW	1	8	Ci., Ci.-S.	----------	7	Ci.-S.	Cu., Cu.-N.NE	
31	Calm	----	SE	1	SE	1	SE	1	Calm	----	Calm	----	7	Ci.	----------	8	Ci.-S.	Cu., Cu.-N.SE	
Mean	------	0.4	------	0.6	------	0.8	------	0.8	------	1.4	------	1	5.7	----------	----------	6.1	----------	----------	

TUGUEGARAO.

[$\phi = 17° 36'$ N; $\lambda = 121° 40'$ E; barometer above sea, 23 meters; gravity correction not applied, —1.61 mm.]

JUNE, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.72	59.57	59.45	58.13	58.20	60.37	26.2	25.8	32	32.7	28.1	26.4	34.5	24.5	95	95	65	68	84	95	------
2	59.44	59.42	59.77	57.59	57.88	59.32	25.8	25.4	32.1	35.6	32.3	27	36.2	23	94	91	63	54	62	77	------
3	59.03	59.62	60.07	57.66	58.10	60.22	25.3	24	32.1	35.6	31	27.3	37.3	23.3	84	91	57	53	70	85	------
4	59.77	60.14	60.28	58.48	58.27	60.27	26.7	26.1	32.8	35.9	31.5	28.5	37.3	24.8	88	91	65	53	63	76	------
5	59.61	60.41	60.60	57.89	58.16	60.35	26	24.4	32.1	35.2	30.5	27	36.5	23.5	85	91	60	56	72	81	------
6	59.55	60.07	60.12	57.56	57.53	59.41	26.2	25.7	32.7	35.5	31	25.7	37.4	24.5	85	91	60	49	69	80	------
7	58.91	59.60	59.80	57.15	56.32	58.90	24.8	24.1	31	35.3	32.3	27	36.4	22.7	82	89	62	45	71	80	------
8	58.45	58.92	59.04	56.93	56.29	58.60	26.4	26.2	32.8	34.9	32.9	27.7	37.4	24.5	84	84	60	52	65	80	------
9	58.52	59.16	59.59	57.62	57.32	60.12	27	26.6	33.2	34.4	32.6	28	37.5	24.7	84	83	58	60	59	79	------
10	59.86	60.44	60.81	58.72	58.44	60.39	25.8	24.6	33.1	30.4	30.3	27.2	37	23.5	88	91	58	81	80	87	2.8
11	59.89	59.96	61.10	59.05	58.15	59.96	25.2	23.8	30	28.1	30.5	26.4	33	23.5	92	94	74	84	72	86	------
12	59.24	59.27	59.57	56.90	56.38	58.30	24.8	23.8	32	35.5	32	27.4	37.5	22.8	92	93	60	49	64	76	------
13	57.97	58.59	58.65	56.58	56.10	58.89	24.3	23.4	33.1	37.4	33.6	27.6	37.7	22.3	90	88	53	40	54	77	------
14	58.60	59.10	58.81	56.86	57.04	58.80	26.3	26.4	33.3	37.3	31.5	28.1	38.3	24.7	88	90	57	42	66	78	------
15	58.19	58.77	58.53	56.21	56.11	57.45	26.3	25.8	33	37.4	32.3	27.7	38.3	25	90	92	60	48	69	84	------
16	56.54	56.47	56.34	53.81	54.27	55.26	26	25.2	33.2	37.3	28.7	27.9	38.7	24.8	95	95	59	42	92	87	------
17	54.44	54.29	54.37	52.71	52.99	53.90	26.8	24.6	31.7	34	31.7	28.1	34.8	24	96	93	68	63	87	85	------
18	52.44	53.38	53.29	51.94	51.96	54.50	26.6	26.1	33.8	37.6	30	24.7	38.7	23.8	90	90	55	39	85	94	15.5
19	54.12	54.09	54.52	52.41	54.04	55.39	24.4	24	33.2	36	25.6	25.8	36.8	22.8	93	93	55	42	91	88	22.1
20	54.46	55.04	55.52	54.70	54.99	56.55	25.5	25.4	29.4	31.7	29.5	27.3	32.7	25	86	83	68	65	68	82	------
21	56.72	57.33	57.29	56.29	57.48	58.45	25.4	24.2	31.6	35	30.9	26.5	35.5	23.8	90	91	56	55	63	77	------
22	59.02	59.92	60.06	58.10	58.46	60.87	25	24	32.6	36.1	32.1	27.5	37.4	23	88	96	61	41	62	83	------
23	60.15	60.63	60.42	58.16	58.24	60.19	26.4	25.6	32	36.4	30.5	27.5	36.4	24.7	91	96	66	43	70	87	------
24	59.12	59.12	58.77	56.28	55.08	57.12	26.1	25	32.2	35.8	31.5	28	37.3	24.6	93	92	65	53	69	85	------
25	56.15	56.11	56.43	54.61	54.11	55.90	26.8	26.2	33.4	35.4	33.5	27.6	36.5	24.8	87	88	58	50	53	91	------
26	55.87	56.14	56.12	54.49	54.41	55.97	25.8	24	33	35.5	32	28.5	36.6	23.8	93	97	61	49	51	71	------
27	55.18	55.25	56.10	54.28	54.76	57.86	26.3	25.7	33.2	38.3	32.6	23	38.3	21.6	83	86	54	44	60	91	19.3
28	57.09	57.14	57.37	55.48	56.02	58.40	24.4	24	29.4	34.1	26.2	24.6	36.3	23.3	91	92	79	53	79	97	------
29	57.34	57.89	58.22	55.89	55.35	56.72	24.2	23.8	27.5	32.9	29.9	26.3	34.8	23.2	97	97	84	58	75	91	------
30	55.95	56.37	55.95	54.02	53.60	54.44	25.4	25	29.7	27.7	29.4	26.7	33.5	24	94	93	71	79	68	86	24.4
Mean	57.71	58.07	58.23	56.22	56.20	58.10	25.7	25	32	34.8	30.9	27	36.6	23.8	89.6	91.2	62.4	53.7	69.8	83.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	84.1

Day.	Wind.										Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	Calm	----	Calm	----	SW	1	S	1	Calm	----	Calm	----	8	----------	S.-Cu. S	8	----------	Cu. S
2	Calm	----	Calm	----	SE	2	SE	1	SE	1	Calm	----	0	----------	----------	1	Ci.	----------
3	Calm	----	Calm	----	S	1	Calm	----	NW	1	NW	1	1	Ci.	----------	6	----------	Cu.
4	Calm	----	S	1	SE	2	SE	2	Calm	----	Calm	----	4	Ci., A.-Cu.	----------	7	Ci.	Cu. SE
5	Calm	----	Calm	----	Calm	----	NE	1	SE	1	Calm	----	3	Ci.-Cu.	S.	7	----------	Cu. E
6	Calm	----	Calm	----	SW	1	SE	1	NE	1	S	1	6	Ci.	Cu. E	6	----------	Cu. E
7	Calm	----	Calm	----	Calm	----	Calm	----	N	2	Calm	----	6	Ci.-S., Ci.-Cu.	S.	8	Ci.	Cu. SE
8	Calm	----	Calm	----	SE	1	Calm	----	SE	1	Calm	----	2	Ci.	----------	8	----------	Cu. E
9	Calm	----	Calm	----	SW	1	Calm	----	Calm	----	NE	1	2	Ci.-S.	----------	8	----------	Cu.
10	Calm	----	Calm	----	Calm	----	N	1	Calm	----	Calm	----	2	----------	Cu.	6	----------	Cu., Cu.-N. S
11	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	3	Ci.	Cu.-N.	8	----------	Cu.-N.
12	Calm	----	Calm	----	SE	1	SE	1	Calm	----	Calm	----	2	Ci.	----------	6	----------	Cu.
13	Calm	----	Calm	----	SW	1	SE	2	Calm	----	NW	2	0	----------	----------	3	Ci.-S.	Cu.
14	Calm	----	SE	1	SE	1	Calm	----	NW	3	NW	2	5	----------	Cu.	3	----------	Cu.
15	SW	1	SE	1	Calm	----	S	1	NW	1	SE	1	10	----------	S.-Cu. SE	7	----------	Cu. SW
16	Calm	----	Calm	----	SE	1	SE	1	SSE	1	NE	2	8	Ci., Ci.-S.	----------	7	----------	Cu. WSW
17	SE	1	SW	1	SE	2	SE	2	SW	1	S	1	8	----------	S.-Cu.	10	Ci.-S.	Cu.-N. S
18	SE	1	S	1	SW	1	SW	2	NW	2	NNW	1	2	Ci.	Cu.	6	Ci.	Cu.
19	SW	1	Calm	----	SE	2	SW	3	SW	2	S	2	2	Ci.	----------	7	Ci.	Cu., Cu.-N. SW
20	SW	2	SW	2	SW	3	SW	4	SW	2	SE	2	9	----------	S.-Cu.	10	Ci.-S.	Cu.-N. S
21	S	2	SW	1	SW	2	SE	4	SSW	1	Calm	----	6	----------	S.-Cu.	8	Ci.-S., Ci.-Cu.	Cu.
22	Calm	----	Calm	----	SE	1	Calm	----	NW	2	NW	2	0	----------	----------	0	----------	----------
23	Calm	----	Calm	----	Calm	----	N	1	NW	2	NW	2	5	----------	S.-Cu. S	8	----------	Cu. SW
24	S	1	SE	1	SE	1	Calm	----	NW	2	NW	1	8	Ci.	----------	7	----------	Cu.
25	Calm	----	Calm	----	SE	1	SW	1	NW	1	S	1	6	Ci.	S.	6	Ci.	Cu. SW
26	Calm	----	Calm	----	Calm	----	NW	1	NW	1	NW	1	10	Ci.-S.	----------	10	Ci.-S.	Cu.
27	Calm	----	S	1	SW	1	NE	1	NW	2	NNW	1	8	Ci.	S.-Cu.	5	Ci.	Cu.
28	Calm	----	SE	1	SW	1	SSW	1	NW	2	NW	1	8	----------	Cu.-N.	6	Ci.-Cu.	Cu.
29	SE	1	S	1	SW	1	Calm	----	Calm	----	Calm	----	10	----------	N. S	6	----------	Cu.
30	Calm	----	Calm	----	NW	1	Calm	----	NW	1	NW	1	6	----------	Cu.-N. NE	7	----------	Cu.-N.
Mean	------	0.3	------	0.4	------	1	------	1.1	------	1.1	------	0.9	5	----------	----------	6.5	----------	----------

TUGUEGARAO.

[$\phi = 17° 36'$ N; $\lambda = 121° 40'$ E; barometer above sea, 23 meters; gravity correction not applied, —1.61 mm.]

JULY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	53.72	54.24	53.68	52.03	51.64	51.11	25.7	25.1	27.6	28.4	26.7	26	29.8	24.3	92	96	89	84	92	85	50.6
2	47.80	49.46	52.02	52.30	53.85	55.89	26	26	30.5	30.6	28.1	26.4	32.7	25	85	84	65	66	79	89	------
3	56	56.55	57.41	55.74	56.28	58.55	26	25.6	30.5	33	30.5	26.8	34	24.4	90	92	70	59	72	89	------
4	58.52	58.35	58.61	57.03	58.07	60.67	25.4	24	31.7	34.5	29	24.9	35.4	23.6	88	90	56	51	81	89	------
5	59.84	59.51	60.17	57.58	58.05	60.04	23.8	23	30	33.4	26	24.5	35.2	22.3	91	96	71	54	93	97	6.4
6	59.12	59.59	60.09	57.60	56.98	58.91	23.3	22.2	29	33.2	31.6	26	35	21.8	97	96	72	55	68	84	------
7	58.81	58.94	59.05	57.23	56.64	58.52	24.6	24	31	34.6	30.5	25.4	35.9	23.4	95	97	69	45	61	79	------
8	58.34	58.47	58.85	56.63	55.74	57.91	24	23	31.2	35.2	33.3	27.3	36.9	22.4	88	97	61	48	56	82	------
9	57.82	57.36	57.91	55.71	56.18	58.14	25.7	25	31.5	35	30.1	25.5	36.3	24.6	94	98	64	49	74	86	------
10	57.67	57.43	58.26	55.79	56.09	58.06	24.7	24	30.5	34.9	31.4	27.5	36	23.3	92	97	70	50	66	82	------
11	57.31	58	58.47	56.06	56.83	58.81	25.3	24.4	32	35.2	29.8	26.6	36.1	23.7	93	92	66	44	71	90	------
12	58.02	58.84	58.67	56.67	57.05	58.07	25.3	25	30.8	34.4	28.7	26	36.1	24	93	92	73	50	72	94	9.1
13	57.68	57.69	56.35	55.08	54.25	54.58	25.3	24.8	30.3	31.7	27	26.2	31.8	23.8	94	93	73	59	84	88	32.2
14	51.47	49.28	47.51	43.66	41.42	39.05	25.8	25	27.1	26	25.5	24	28.4	22.6	89	95	92	92	96	91	127.8
15	38.55	42.83	43.71	43.62	45.07	47.06	23.3	22.5	25.2	24	23.2	23	26.1	21	87	87	82	85	90	91	26.4
16	46.87	47.76	48.92	49.23	50.14	52.36	23	23.6	26.5	27.8	26.4	25	28.5	22	97	93	80	78	89	89	------
17	52.36	53.02	53.94	53.66	53.64	54.82	24.1	23.1	29	29.9	27.6	26	33.5	22.3	94	93	76	73	86	90	------
18	53.94	54.59	54.92	53.98	54.99	55.69	25	24.6	30.7	27.4	25.9	24.8	33.7	24.1	97	98	72	83	88	92	8.6
19	55.30	55.37	55.69	53.90	54.04	55.82	24.1	23.7	29	32.5	26.9	25.6	33.4	23.4	96	97	79	79	86	96	------
20	55.24	55.63	56.12	54.19	54.64	55.64	25.2	24.8	30.4	32.7	27.3	25.7	33.8	23.6	97	98	78	62	91	91	3
21	55.58	55.56	54.66	52.55	52.56	54.24	24.7	24	30.4	32.9	28.9	26.4	34.6	22.8	90	93	66	56	79	92	------
22	53.60	53.45	53.72	51.05	50.47	52.31	25	24.5	31.1	33.5	31.5	27.5	34.5	23.6	97	93	69	56	69	87	------
23	51.64	51.30	51.80	49.97	50.49	52.55	26.3	25.5	31.3	34.3	29.8	27.2	35.2	24.8	93	96	57	55	67	80	1.5
24	51.12	51.29	51.82	50.22	49.97	50.87	25.3	24.5	29.8	30.4	27.5	26.1	32.4	24.3	92	96	78	72	86	89	2.3
25	49.69	49.66	50.17	48.62	50.10	51.72	25.4	24.8	31.5	32.9	27.4	26	35.1	24.2	92	92	68	61	83	88	2.5
26	51.14	51.69	52.18	51.16	52.84	54.87	24.5	24.6	32.5	33.9	26	26	35.4	24	97	93	62	55	94	92	15.7
27	55.17	55.54	56.59	55.39	56.14	57.78	25.6	25.8	31.5	34.2	28	25.5	35.7	25	95	94	73	59	89	95	48.8
28	57.77	57.69	58.07	56.88	56.37	58.33	24.2	23.5	28.5	32.7	29.2	26.2	33.5	22.9	95	97	77	65	85	87	28.4
29	57.69	57.13	57.22	55.50	55.06	56.57	24.4	23.7	29.5	32.8	27.8	25.3	35.2	22.9	91	86	78	57	82	93	2.8
30	56.16	56.09	56.72	54.77	54.36	55.93	24.5	24	30	33	29.8	27.2	33.6	23.5	96	97	75	61	90	90	8.4
31	54.53	54.27	54.69	53.21	51.13	50.89	26.1	25	24.4	24.3	24.8	23.7	27.5?	22.9	92	93	97	89	87	94	178.1
Mean	54.47	54.73	55.10	53.45	53.58	55.02	24.9	24.3	29.8	31.9	28.3	25.8	33.6	23.4	92.9	93.9	72.8	63	80.8	89.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	552.6

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.				2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.			Amount.	Form and direction.		
														Upper.	Lower.			Upper.	Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*				*0–10*			
1	NW	1	NW	1	NW	2	NW	1	Calm	----	NW	2	10	----------	Cu.-N.	N	10	----------	Cu.-N.	N
2	NW	3	SE	5	SE	4	SSE	3	SE	3	SE	2	10	Ci.-S.	Cu.-N.		10	Ci.-S.	Cu.	S
3	SE	3	S	1	SE	2	SE	2	S	2	S	1	9	Ci.-Cu., A.-cu.	Cu.		8	Ci.-Cu.	Cu.	
4	S	3	Calm	----	SE	1	SE	2	Calm	----	Calm	----	9	Ci.-S. A.-Cu.	S.		7	----------	cu., Cu.-N.	
5	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	4	Ci.	Cu.	S	5	A.-Cu.	Cu.	
6	Calm	----	Calm	----	SE	1	Calm	----	Calm	----	Calm	----	0	----------	----------		4	----------	Cu.	
7	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	0	----------	----------		4	----------	Cu.	
8	Calm	----	Calm	----	Calm	----	SE	1	NE	1	NE	1	0	----------	----------		4	----------	Cu.	
9	Calm	----	SE	1	SE	1	Calm	----	NE	2	SSE	1	2	----------	S.		6	----------	Cu.	
10	Calm	----	Calm	----	SW	1	N	1	NW	1	Calm	----	6	Ci.	----------		4	----------	Cu.	
11	Calm	----	Calm	----	SSW	1	Calm	----	N	1	SE	2	7	Ci.	----------		7	Ci.	cu., Cu.-N.	
12	SE	1	Calm	----	Calm	----	N	1	Calm	----	Calm	----	8	Ci.	S.	S	7	Ci.-S.	Cu.	N
13	Calm	----	NE	1	NW	2	NW	3	NNW	1	N	1	8	----------	Cu.		7	----------	Cu.-N.	
14	NW	1	NW	3	NW	3	NW	5	NW	8	NW	11	10	----------	Cu.-N.		10	----------	Cu.-N.	
15	W	4	SE	6	SE	3	SE	6	SE	6	SE	3	10	----------	N.	S	10	----------	N.	S
16	S	3	SE	1	Calm	----	Calm	----	Calm	----	Calm	----	8	----------	Cu.-N.		10	----------	N.	
17	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	8	----------	S.-Cu.		10	----------	N.	
18	Calm	----	Calm	----	SW	1	Calm	----	Calm	----	Calm	----	8	----------	S.-Cu.		10	----------	N.	
19	Calm	----	Calm	----	SE	1	Calm	----	SE	1	NW	2	10	----------	Cu.-N.		8	Ci.-S.	Cu.	S
20	Calm	----	Calm	----	S	1	Calm	----	Calm	----	Calm	----	9	Ci.	Cu.-N.		10	----------	Cu.-N.	E
21	Calm	----	Calm	----	SE	1	SE	2	SW	1	Calm	----	8	----------	Cu.		8	Ci.-S.	----------	
22	SW	1	Calm	----	SE	1	SW	1	SW	1	Calm	----	6	----------	N.-cf.	SE	4	----------	Cu.	S
23	S	1	Calm	----	SW	1	SE	1	SE	1	SW	2	6	Ci.	S.		7	----------	cu., cu.-N. SW	
24	Calm	----	Calm	----	S	1	SE	1	S	1	Calm	----	10	----------	Cu.-N.		10	----------	Cu.-N.	SE
25	Calm	----	Calm	----	SE	2	SE	2	NW	1	Calm	----	6	----------	Cu.-N.		9	----------	Cu.-N.	SE
26	Calm	----	WSW	1	SW	2	SW	2	NNW	1	NW	1	7	Ci.	Cu.-N.	SW	9	----------	Cu.-N.	W
27	NE	1	SE	1	S	1	Calm	----	NNW	1	NW	1	8	----------	Cu., Cu-N.	S	6	Ci., Ci.-S.	Cu.	S
28	SE	2	SSE	1	SW	1	Calm	----	NW	1	W	2	6	Ci.	Cu.-N.	SE	8	----------	Cu., Cu.-N.	E
29	Calm	----	Calm	----	Calm	----	W	1	Calm	----	Calm	----	7	Ci.	N.-cf.	SE	5	Ci.	Cu.	N
30	Calm	----	Calm	----	S	1	NW	1	N	1	NW	1	7	Ci.	Cu., N.-cf.		7	Ci.-S.	Cu.-N.	E
31	Calm	----	NE	1	Calm	----	SE	1	NW	1	NW	1	10	----------	N.		10	----------	Cu.-N.	
Mean	------	0.8	------	0.7	------	1.1	------	1.2	------	1.2	------	1.1	7	----------	----------		7.5	----------	----------	

TUGUEGARAO.

[$\phi = 17°\ 36'$ N; $\lambda = 121°\ 40'$ E; barometer above sea, 23 meters; gravity correction not applied, —1.61 mm.]

AUGUST, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	48.68	47.30	48.14	48.23	49.46	51.38	23	22.6	23	23.5	23.9	23.8	24.3	22	98	99	97	91	91	93	98.8
2	51.81	52.96	54.04	52.48	52.82	55.74	23.8	23.7	30.2	33	30	26.8	34.5	22.8	93	96	66	60	73	86	31.5
3	55.25	54.96	55.26	53.60	54.08	56.38	24.3	23.8	29.4	32.4	27.6	26	34.6	23.2	97	99	76	65	89	94	8.6
4	55.45	55.54	55.64	53.78	54.58	56.19	25	24.6	30	33.9	26.4	25.7	35.4	24	96	97	77	56	87	91	------
5	55.46	55.64	55.79	54.68	55.21	57.31	25.6	25.5	28.6	34	28.5	26.7	34.7	24.2	91	91	92	63	85	91	------
6	56.57	56.72	57.75	55.65	55.38	57.43	25.8	25.3	31	33.5	31.1	28.3	34.9	24.7	97	98	72	58	73	82	------
7	57.10	57.17	57.23	55.68	55.26	56.67	26	25.4	30.7	34.2	30.7	27	35.4	25	95	97	74	55	73	85	------
8	55.84	55.31	55.67	53.53	52.85	53.82	24.5	23.5	28.4	33.1	30.5	27.1	34.4	23.2	96	97	75	64	63	84	------
9	53.44	53.04	53.09	52.01	50.87	52.39	25.3	24.8	28.4	29.4	28.5	26.6	32.5	24.5	95	96	84	79	85	87	14
10	51.89	51.59	51.76	50.80	51.73	52.34	25	24.5	27.9	29.7	24.6	24.5	31	24.2	97	96	86	68	93	95	18.6
11	52.09	51.61	52.59	52	52.08	54.53	24.5	24.5	27.7	29.5	27.4	25.7	30.5	24	96	96	89	81	83	88	1.8
12	52.99	53.55	54.17	52.56	53.57	54.62	24.8	24	29	34.6	26.3	25.6	35.7	23.3	92	94	78	54	90	97	------
13	54.05	53.64	53.31	51.55	52.13	53.77	25.3	25	30.7	34.3	24.9	24.9	35.5	23.8	94	92	69	55	92	93	52.3
14	52.34	52.46	53.22	52.28	53.05	54.83	24.8	25	29.1	32	29	27.2	33.7	24	94	92	81	66	79	96	------
15	54.28	55	56.04	54.92	55.97	57.46	25.8	25.4	31.8	33.9	25.8	26	34.8	23.7	98	97	69	59	84	84	7.6
16	57.38	57.94	58.35	56.75	56.86	58.42	25	24.7	29.2	32.8	30.1	26.8	34.2	23.9	92	97	80	59	78	90	------
17	57.59	57.89	58.03	55.83	55.97	58.39	25.4	25.3	30.5	34	27	25.3	35	24.2	97	95	75	56	78	87	15.5
18	56.69	56.59	56.34	54.41	55.99	56.96	24	23.4	28.6	30.5	23.4	24	33.7	22.8	96	98	80	72	97	96	62.8
19	55.41	55.52	56.25	54.71	55.39	57.02	23.6	23.2	28.5	30.5	26.4	25.6	33	22.5	96	97	81	68	86	87	------
20	56.52	56.21	57.44	56.03	54.94	57.14	24.5	23.8	24.6	28.4	27.5	25.5	29.3	23.4	92	97	99	68	85	97	------
21	56.63	56.68	57.22	55.24	55.02	56.42	24.6	24	29.6	32.3	28.5	25.7	34.6	23.2	97	97	78	60	83	96	------
22	56.13	56.32	56.83	54.85	54.58	57.33	24.5	24	29.7	33.7	31.3	25.6	35.2	23	97	98	73	55	75	91	------
23	56.83	56.38	56.92	55.34	55.23	57.01	24.2	23.5	30.2	33.2	30	26	34.9	23	96	97	73	58	65	93	2.3
24	56.07	55.93	56.53	53.91	54.05	53.77	24.8	24.3	23.7	24.9	23.9	23.6	25.8	23	98	98	95	92	89	90	223.8
25	52.01	50.49	50.62	48.58	47.81	49.47	23.4	23.6	26.3	27	26	24.7	28.9	22.7	92	93	93	88	90	98	89.1
26	48.08	47.45	48.10	47.72	49.52	51.06	24.2	23.7	25.3	29	28	25.5	29.9	22.9	97	94	97	78	89	93	1.8
27	51.23	52.28	53.19	52.74	53.08	55.57	24	23	30.7	33.5	30.6	27.8	34.6	22.4	98	97	77	60	78	91	------
28	55.47	55.80	56.52	55.15	54.98	55.92	24.6	23.8	29	33	30.6	27.2	34.6	23.4	96	97	81	64	74	87	------
29	55.07	55.17	56.02	53.55	53.33	54.20	25.6	24.8	29.1	33.9	30	25.8	35.1	24.4	95	97	82	59	61	86	------
30	53.86	53.57	54.51	52.85	52.90	53.33	23.8	22.6	30.6	30.5	28.6	26.5	33.5	22.1	93	95	74	74	85	82	3
31	52.59	52.45	53.09	51.52	51.77	53.42	25	24.5	28.6	30	29	26.3	31.5	24	89	89	78	65	71	92	------
Mean	54.35	54.30	54.83	53.32	53.56	55.17	24.7	24.2	28.7	31.6	27.9	25.9	33.1	23.5	95.2	95.9	80.7	66.1	81.4	90.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	631.5

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.				
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.		
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*				
1	WNW	3	SSE	4	SE	6	SE	3	SE	1	Calm	----	10	----------	N.	10	----------	N.		
2	Calm	----	Calm	----	SSE	2	SE	1	NE	1	NW	2	6	----------	N.-cf.	5	----------	Cu. SW		
3	NW	1	Calm	----	SE	1	Calm	----	NW	2	NW	1	10	----------	N.	7	----------	Cu., Cu.-N.S		
4	SE	1	S	1	SE	1	S	1	NW	1	SW	1	10	----------	N.	6	Ci.-Cu.	Cu. E		
5	Calm	----	Calm	----	S	1	S	1	NW	2	NW	1	9	----------	Cu.-N. S	6	Ci.	Cu.		
6	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	8	Ci., Ci.-S.	Cu. S	9	Ci.-S.	Cu.-N. NW		
7	S	1	SE	1	SE	1	SE	1	NW	2	SW	1	6	----------	Cu.-N. SW	6	----------	Cu.		
8	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	8	Ci.-S., Ci.-Cu.	S.-Cu.	7	Ci.	Cu.		
9	SE	1	SE	1	SE	1	NE	1	NE	2	Calm	----	8	----------	S.-Cu.	10	----------	N.		
10	Calm	----	Calm	----	Calm	----	Calm	----	SE	1	Calm	----	10	----------	N.	10	----------	Cu.-N.		
11	SE	1	SE	1	S	1	Calm	----	NW	1	NW	2	10	----------	N.	8	----------	Cu.-N.		
12	Calm	----	Calm	----	Calm	----	N	1	Calm	----	Calm	----	8	----------	Cu.-N.	7	----------	Cu.-N. SW		
13	Calm	----	SW	1	SE	1	Calm	----	SE	5	Calm	----	8	----------	Cu.-N.	8	----------	Cu.-N. SW		
14	Calm	----	Calm	----	SE	1	N	1	W	1	NW	1	10	----------	N.	8	----------	Cu. NW		
15	SW	1	SE	1	E	1	S	2	Calm	----	Calm	----	8	----------	S.-Cu. SE	7	Ci., Ci.-S.	Cu.,Cu.-N.SW		
16	Calm	----	Calm	----	Calm	----	Calm	----	NW	1	Calm	----	8	Ci.	S.-Cu.	8	Ci.-S.	Cu.		
17	SW	1	Calm	----	SE	1	SW	2	NE	1	S	1	9	Ci.	S.-Cu.	7	Ci.-S.	Cu.-N. NW		
18	SE	1	SE	1	SW	1	SW	1	Calm	----	Calm	----	8	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. SW		
19	SW	1	SE	1	Calm	----	Calm	----	Calm	----	SE	1	10	----------	N.	10	Ci.-S.	Cu.-N. SW		
20	ESE	1	SE	1	Calm	----	NW	2	N	1	Calm	----	8	----------	S.-Cu.	10	Ci.-S.	Cu. SW		
21	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	6	Ci.	S.-Cu. SE	8	----------	Cu. E		
22	SSE	1	SE	1	SE	1	W	1	SW	1	Calm	----	2	Ci.	----------	5	----------	Cu. SE		
23	Calm	----	Calm	----	Calm	----	N	1	NW	1	NW	3	7	Ci.-S.	S.-Cu.	5	Ci.	Cu. E		
24	Calm	----	Calm	----	NW	1	Calm	----	NE	1	NW	1	10	----------	N.	10	----------	N.		
25	NW	2	NW	1	NW	3	NW	4	NW	1	Calm	----	10	----------	Cu.-N. N	10	----------	N.		
26	SW	1	S	1	SSE	1	SE	1	SW	1	SSW	1	10	----------	N.	9	----------	Cu.-N.		
27	SW	1	Calm	----	SE	1	S	1	Calm	----	Calm	----	8	Ci.-S.	S.-Cu.	10	Ci.-S.	----------		
28	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	8	----------	S.-Cu.	8	Ci., Ci.-S.	----------		
29	Calm	----	Calm	----	SW	1	S	1	SW	1	Calm	----	4	Ci.	S.-Cu. W	6	Ci., Ci.-S.	Cu. W		
30	Calm	----	SE	1	SE	1	NE	1	NE	1	Calm	----	9	Ci.-S.	----------	8	Ci.-S.	Cu.-N.		
31	SE	1	SE	1	SW	1	SE	1	Calm	----	Calm	----	8	----------	Cu.-N. SW	10	----------	Cu.-N. NW		
Mean	------	0.6	------	0.6	------	0.9	------	0.9	------	0.9	------	0.5	8.2	----------	----------	8	----------	----------		

TUGUEGARAO.

[$\phi = 17° 36'$ N; $\lambda = 121° 40'$ E; barometer above sea, 23 meters; gravity correction not applied, —1.61 mm.]

SEPTEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	53.11	53.31	55.34	54.18	55.59	56.89	24.8	23.5	30.2	31	26.9	25.7	33.2	22.9	96	97	72	69	86	93	------
2	56.33	56.20	57.17	55.23	54.98	56.72	24.6	23.6	30.6	33.8	31.6	27.4	35.8	23.2	97	99	73	63	70	81	------
3	56.49	56.57	56.95	55.01	55.38	57.17	25.3	24.5	31.4	34.9	31.5	27	36.4	24	94	97	71	63	72	86	------
4	56.74	56.84	57.47	56.28	56	57.71	26	25.4	30.6	32.9	30.4	26.4	34.5	24.8	94	97	74	59	72	92	------
5	57.12	56.98	58.01	55.99	55.98	57.55	25.8	25.6	30.5	34.2	32	27.8	35.6	24.8	92	89	75	55	69	92	------
6	57.11	57.14	58.10	56.10	57.76	59.19	25.7	25	31.2	33.9	30.1	23.6	35.6	22.5	93	94	71	59	74	95	4.6
7	59.16	59.11	59.62	57.13	57.15	59.09	23.4	23.2	29.1	33.5	30.4	25.7	34.9	22.5	97	98	76	62	72	91	------
8	58.98	58.51	59.22	56.92	56.63	58.17	23.2	22	30.2	33.8	34.2	25.4	35.4	21.6	94	96	71	54	52	87	------
9	58.34	58.28	58.91	56.58	56.60	59.07	23.8	23.1	30	35.4	30.3	26	35.8	22.6	97	97	74	50	72	89	------
10	59.03	59.14	60.17	58.25	57.95	59.32	23.2	22.6	30.4	34.2	30.6	26.1	35.5	21.8	95	95	69	52	65	89	------
11	59.34	59.72	60.54	58.68	59.69	60.69	24.2	24	30.4	32.5	25.9	25.4	33.8	23.6	97	97	72	59	89	93	------
12	59.15	59.45	59.92	57.60	57.57	58.85	23.9	23.4	30.3	32	30	26.5	34.2	23.2	97	98	70	54	69	88	------
13	58.18	58.37	59.05	56.54	56.53	58.03	24.3	24.1	29.4	32.5	29.6	25.2	34.6	23.5	97	97	79	58	69	91	------
14	57.66	57.86	58.07	55.88	56.16	57.66	23.4	22.4	29.3	33	28.9	24.7	33.9	21.5	90	92	72	58	69	87	------
15	56.79	56.87	57.16	55.53	54.83	55.32	24	23.2	28.3	24.4	26.9	26	29.9	22.8	90	95	75	92	85	88	39
16	53.86	53.58	53.84	51.31	50.64	50.73	25.3	24.8	25.6	25	24.4	24.3	26.2	23.5	93	95	95	93	93	93	146.5
17	48.84	48.19	49.35	48.94	50.06	52.67	24.3	24	24.2	24.5	25.5	24.4	26.4	23.1	92	95	90	87	83	90	20.6
18	52.15	53.03	54.60	53.74	54.41	56.33	23.5	22.5	30	31.5	28.2	25.3	33	22	94	94	75	64	87	87	------
19	55.29	55.41	56.66	54.68	55.57	57.64	24.1	23.2	30.8	32.8	26.8	25.6	34.6	22.8	93	97	67	63	83	90	------
20	56.72	57.12	58.45	56.43	57.38	58.85	25	24.5	30.3	32	27.2	25.2	33.4	24	94	96	76	63	83	92	------
21	58.63	58.68	59.06	57	56.77	58.49	25	24.4	29.8	28	26.4	25.2	32.5	24	92	96	77	85	85	97	------
22	57.70	56.88	57.92	56.10	56.25	58.55	24	23.6	29.5	31.4	27.9	25.8	33.4	23.3	97	98	78	59	78	89	2.8
23	57.72	57.62	58.67	56.48	56.56	58.61	24.8	24.2	28.3	33.1	29.6	25.3	34.6	23.5	96	98	87	56	70	91	------
24	58.44	58.69	59.37	57.18	57.36	59.04	24.1	23	29.5	33.8	28.2	24.8	34	22.2	94	96	78	60	77	88	------
25	58.42	58.59	58.78	56.68	56.92	57.77	23.7	22.4	29.8	31.7	25.1	25	32.5	21.8	91	93	73	61	94	97	24.6
26	56.59	55.63	55.57	52.38	51.84	50.51	24.6	24.4	26	29.2	25.5	------	29.6	------	97	98	94	80	96	------	91.6
27	45.51	42.09	35.55	29.02	32.12	36.95	------	------	------	------	------	------	------	------	------	------	------	------	------	------	[a]160.8?
28	37.16	39.69	43.96	46.23	48.68	51.23	------	------	------	------	------	------	------	------	------	------	------	------	------	------	22.1
29	51.10	51.48	53.36	51.99	52.79	54.19	25.4	25.2	26.2	28.2	25.2	24.5	29.4	23.3	75	76	79	75	83	89	7.6
30	53.83	53.98	54.66	53.19	53.66	55.23	24.1	23.8	25.6	26.2	24.6	23.9	27	23	91	94	87	82	85	89	------
Mean	55.52	55.50	56.18	54.24	54.66	56.27	24.4	23.8	29.2	31.4	28.4	25.5	33.1	23	93.5	95.1	76.8	65.5	77.9	90.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	520.2?

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	Calm	----	Calm	----	Calm	----	NE	1	Calm	----	Calm	----	7	----------	S.-Cu.	9	----------	Cu.-N. NW
2	Calm	----	Calm	----	SE	1	Calm	----	Calm	----	Calm	----	6	Ci.-S.	S.-Cu.	8	A.-Cu.	Cu. W
3	SE	1	SE	1	SE	1	SE	1	Calm	----	NW	1	8	Ci.-S.	----------	8	Ci., Ci.-S.	Cu.
4	S	1	SE	1	SW	2	NE	1	NW	1	NW	1	8	----------	S.-Cu. S	6	Ci.-S.	Cu.
5	Calm	----	S	1	Calm	----	SE	1	Calm	----	NE	1	8	----------	S.-Cu.	8	Ci.-S.	Cu. S
6	N	1	SE	1	SW	1	Calm	----	NW	3	Calm	----	7	----------	S.-Cu. S	8	----------	Cu.-N.
7	Calm	----	Calm	----	SW	1	SE	1	NNW	1	Calm	----	8	----------	S.-Cu.	5	----------	Cu.
8	Calm	----	Calm	----	Calm	----	SW	1	NW	1	Calm	----	0	----------	----------	7	----------	Cu. S
9	Calm	----	Calm	----	SW	1	NE	1	Calm	----	Calm	----	1	----------	S.	6	----------	Cu.
10	Calm	----	Calm	----	Calm	----	NE	1	NW	1	Calm	----	0	----------	----------	6	----------	Cu. E
11	Calm	----	Calm	----	NE	1	NE	1	SE	1	ESE	1	5	Ci.-Cu.	Cu.	8	----------	Cu.-N. NE
12	Calm	----	S	1	SW	1	SE	1	SE	1	Calm	----	3	Ci.-Cu.	S.-Cu.	5	Ci.-S., Ci.-Cu.	Cu.
13	Calm	----	Calm	----	Calm	----	E	2	NE	1	Calm	----	0	----------	----------	9	----------	Cu., Cu.-N. SE
14	Calm	----	Calm	----	NE	1	NE	1	NNE	2	Calm	----	5	Ci., Ci.-S.	----------	7	Ci., Ci.-S.	Cu.
15	Calm	----	Calm	----	NE	1	NE	1	NW	2	NW	1	8	Ci.-S.	S.-Cu. N	10	----------	Cu.-N.
16	Calm	----	Calm	----	Calm	----	S	1	SW	1	SW	1	10	----------	N.	10	----------	N.
17	SSW	2	SE	3	SE	3	SE	3	SE	2	SE	1	10	----------	N.	10	----------	N. SE
18	SE	1	Calm	----	SE	2	S	1	Calm	----	Calm	----	8	Ci.-S.	S.	10	Ci.-S.	Cu.
19	Calm	----	Calm	----	E	1	E	2	Calm	----	Calm	----	8	Ci., A.-Cu.	S.	8	Ci.	Cu. E
20	Calm	----	Calm	----	Calm	----	NE	2	Calm	----	Calm	----	9	Ci.-S. A.-Cu.	S.	7	----------	Cu. N
21	N	1	Calm	----	Calm	----	NE	2	NW	2	NW	1	8	----------	S.-Cu.	10	----------	Cu.-N.
22	Calm	----	Calm	----	Calm	----	NE	1	Calm	----	Calm	----	8	----------	S.-Cu.	10	----------	Cu.-N. NE
23	Calm	----	SE	1	SE	2	SE	1	NW	1	Calm	----	7	----------	S.-Cu.	6	----------	Cu.
24	Calm	----	Calm	----	Calm	----	NNW	2	NE	1	NE	2	0	----------	----------	1	----------	Fr.-Cu.
25	Calm	----	Calm	----	NE	2	NW	2	NW	1	NW	1	2	----------	S. N	6	----------	Cu. NE
26	Calm	----	Calm	----	NW	2	NW	3	NW	2	NW	5	10	----------	N.	10	----------	N.
27	NW	7	NW	12	NW	12	WNW	12	SE	12	SE	12	10	----------	N. NW	10	----------	N. NW
28	SE	12	SE	12	SE	12	SE	8	SE	3	SE	2	10	----------	N. SE	10	----------	N. SE
29	SE	1	SSE	1	SE	1	SE	2	SSE	1	SE	2	8	----------	N.-cf.	8	Ci.-S.	N.-cf. SE
30	SE	2	SE	2	SE	2	SE	3	SE	1	SE	3	10	----------	N.	10	----------	Cu.-N. SE
Mean	------	1	------	1.2	------	1.7	------	2	------	1.4	------	1.2	6.4	----------	----------	7.9	----------	----------

[a] Between 2 and 6 a. m. of the 28th, the raingauge was blown down by hurricane winds.

TUGUEGARAO.

[ϕ=17° 36′ N; λ=121° 40′ E; barometer above sea, 23 meters; gravity correction not applied, —1.61 mm.]

OCTOBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1	54.92	55.49	56.42	54.65	55.96	57.84	23.5	23.1	28.6	33	27	25	33.5	22.8	92	95	69	58	96	97	------
2	57.73	59.14	59.97	57.99	58.86	60.64	23.5	23	30.4	33.2	28.9	26.2	35.3	22.5	97	97	74	56	78	94	------
3	60.05	60.22	61.27	58.23	58.86	60.28	24.6	23.5	30.5	33.4	27.8	25.3	34.2	23.3	97	99	75	60	71	96	------
4	59.02	58.99	60.02	57.18	57.79	59.44	24.6	24.2	29	32.3	28	25.6	33.5	23.3	98	98	79	54	77	88	------
5	58.99	58.70	59.62	57.13	58.75	59.77	25	24.8	29.1	33.4	25.2	24.5	34.4	24	92	93	81	61	93	97	10.7
6	59.09	59.08	60.57	58.25	59.09	61.08	24.2	23.6	28	27.5	26.5	24.4	33	23.2	96	97	79	79	84	90	------
7	59.85	60.02	61.62	59.20	59.42	61	23.8	23.2	28.8	32.5	28.5	25.5	33.5	22.8	95	98	75	61	75	92	------
8	60.42	60.95	62.05	59.39	59.95	61.95	24	23.5	27.5	32.6	28.5	25	34.2	22.5	97	96	81	57	75	94	------
9	61.78	62.40	62.92	60.59	60.61	61.92	22.8	21.1	28.5	33	27.9	25.1	33.7	20.4	94	95	65	51	78	96	------
10	61.29	61.36	62.90	59.92	60.35	61.56	23.8	23	29	30	25.5	24.6	31	22.5	98	96	78	71	93	93	------
11	60.53	60.39	61.20	58.99	59.04	60.87	23.9	23.4	26.5	26.7	25.8	24.8	30.4	23	96	97	88	88	87	94	------
12	60.13	59.66	61.03	58.34	58.67	60.42	24.3	24.1	27.8	30.6	26.8	25.2	32.5	23.5	96	95	79	62	89	95	------
13	60.15	60.28	60.88	57.96	58.86	60.52	23.9	23	27.7	32.7	26.8	24.6	33.8	22.2	95	93	81	58	87	95	------
14	59.20	59.49	60.56	59.22	58.89	60.79	24.1	23.6	28	26.3	25	23.8	28.4	23	95	95	77	82	95	98	3.3
15	59.61	60.02	60.79	58.25	58.82	60.94	22.2	21.8	27	31	26.8	24.5	32.9	21.4	96	97	81	64	79	94	------
16	59.96	60.20	61.15	58.09	58.59	61.31	23.2	23.4	27.7	31	25.6	24.3	32.3	21.8	98	97	76	62	84	89	------
17	60.61	60.96	62.25	60.29	61.13	62.81	23.7	23	27	27.5	25	23.8	28.7	22.6	91	95	77	73	87	92	2.5
18	62.29	62.79	64.09	62.32	62.65	64.16	23.2	22.6	25.5	25.4	24.5	23.4	29.5	22	94	98	88	95	89	93	2.3
19	63.04	63.03	63.99	61.41	61.66	63.19	22.8	22.2	26	28.2	24.8	23.1	29	21.6	97	98	89	72	82	86	------
20	62.47	62.22	63.11	60.77	61.27	63.09	22.3	21.4	24	26.5	24.5	22.6	27.6	21	90	93	89	74	77	87	2.8
21	62.02	62.33	63.19	60.70	61.51	63.07	21.2	20.7	27.5	29.5	25.3	22	31.3	20.5	95	94	68	64	82	91	------
22	62.77	62.98	63.77	62.16	62.11	63.16	20.3	18.6	25.6	27.5	24.4	23.3	28.5	18.4	91	99	73	68	93	94	------
23	62.59	62.76	63.66	60.94	61.18	62.29	22.8	22.4	27	30.9	25.7	24	32.5	21.3	95	93	82	56	81	87	------
24	61.97	62.59	63.36	60.62	60.89	62.61	22.8	22.2	27.1	29.5	25.4	23.2	31.4	21.7	94	95	69	64	77	88	------
25	62.32	62.48	63.35	60.40	60.32	61.85	22.1	21	28.4	31.9	27.5	24.4	33.5	20.5	92	96	75	57	79	88	------
26	61.16	61.61	63.05	60.14	60.71	62.67	22.7	21.7	29	33.6	27.5	24.6	34.5	21.2	95	96	75	54	77	92	------
27	62.17	62.42	63.07	60.54	60.78	62.61	22.3	20.4	27.5	33.4	27.5	23.5	34.3	20.1	92	94	76	56	76	90	------
28	62.27	63.17	64.06	61.40	61.97	63.52	21.5	20.8	28	32.1	27.5	23.6	32.8	20.6	99	96	74	54	78	80	------
29	62.82	63.02	64.05	61.24	61.69	63.04	21.8	20.1	27.5	32	27.5	23.4	33.5	19.5	89	94	79	55	73	93	------
30	62.37	63.12	64.04	61.15	61.47	62.75	21.7	20	27	32	28	25.2	33.4	19.5	96	96	74	50	68	82	------
31	62.12	62.39	63.22	60.06	60.32	62.23	23.7	23	28.5	31.4	27.5	24.8	33.2	22	91	95	77	63	81	87	------
Mean	60.83	61.11	62.10	59.60	60.07	61.72	23.1	22.3	27.7	30.7	26.6	24.3	32.3	21.8	94.6	95.8	77.5	63.8	82	91.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	21.6

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	SE	3	SE	1	SW	2	SE	2	SSW	1	SW	1	8	----------	Cu.-N.	6	----------	Cu. S
2	SE	1	Calm	----	Calm	----	SW	1	N	1	Calm	----	8	Ci.-S.	S.	7	Ci., Ci.-S.	Cu.
3	SE	1	Calm	----	S	1	NE	1	NW	1	N	1	8	----------	S.-Cu.	6	Ci.-S.	Cu.
4	NW	1	SE	1	SE	1	N	1	NW	1	NNW	2	1	----------	Cu., S.	3	----------	Cu.
5	N	2	Calm	----	S	1	NW	1	N	1	NW	2	8	----------	S.-Cu.	9	----------	Cu.-N. W
6	Calm	----	Calm	----	SE	1	NW	2	Calm	----	Calm	----	8	Ci.	Cu.-N. SW	8	Ci.	Cu.-N. N
7	Calm	----	E	1	SE	1	SE	1	SE	1	NE	1	9	----------	Cu., S.	5	----------	Cu. S
8	Calm	----	Calm	----	Calm	----	NW	1	NE	1	NW	1	10	----------	S.	4	----------	Cu.
9	Calm	----	Calm	----	NW	1	NW	1	NW	1	NW	2	0	----------	----------	5	----------	Cu. N
10	Calm	----	Calm	----	NW	1	NW	2	NW	2	Calm	----	10	----------	S.-Cu.	8	----------	Cu.-N. N
11	Calm	----	Calm	----	NW	1	NW	1	NW	2	NW	1	6	----------	Cu.-N.	10	----------	Cu.-N.
12	Calm	----	Calm	----	Calm	----	NE	2	NW	1	NW	1	10	----------	N.	6	----------	Cu. NE
13	N	1	Calm	----	NE	1	NW	1	NW	2	NW	1	8	----------	S.-Cu.	7	----------	Cu. NNE
14	NNW	1	Calm	----	NW	1	NE	2	NW	1	Calm	----	10	----------	N.	8	----------	Cu.-N. N
15	NW	1	Calm	----	WNW	1	NW	1	NNW	2	NW	2	4	Ci.	S.-cf.	5	----------	Cu. N
16	Calm	----	Calm	----	Calm	----	NE	2	NW	2	N	1	6	----------	S.-Cu.	5	----------	Cu. N
17	NNW	2	NW	3	NNW	2	NW	3	NW	2	NW	2	10	----------	S.-Cu. N	10	----------	Cu.-N. N
18	Calm	----	NW	1	Calm	----	Calm	----	NW	2	NW	1	10	----------	N.	10	----------	cu.-N. NW
19	N	1	Calm	----	NW	1	NW	3	NW	4	NW	3	6	----------	S.-Cu.	7	----------	Cu. NW
20	NW	1	Calm	----	N	2	NNE	4	NW	3	NE	2	7	----------	S.-Cu.	10	----------	S.-Cu. NE
21	NW	1	N	1	NNW	2	NE	2	NW	1	NE	1	2	----------	S.	6	----------	Cu.,Cu.-N. N
22	Calm	----	Calm	----	N	1	NE	1	NW	2	N	1	0	----------	----------	6	----------	N.-cf.
23	Calm	----	Calm	----	Calm	----	NW	1	NW	1	NW	2	8	----------	S.-Cu.	5	----------	Cu.
24	NNE	1	NE	1	N	1	NW	1	NW	1	N	1	7	----------	S.-Cu. NE	8	----------	Cu. N
25	Calm	----	Calm	----	Calm	----	SE	1	Calm	----	N	1	2	Ci.	Cu.	6	----------	Cu.
26	N	1	Calm	----	W	1	SE	1	Calm	----	NE	1	0	----------	----------	4	----------	Cu. NW
27	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	0	----------	----------	4	----------	Fr.-Cu. E
28	Calm	----	Calm	----	ENE	1	Calm	----	SW	1	Calm	----	3	A.-Cu.	Fr.-Cu.	5	----------	Cu.
29	Calm	----	Calm	----	Calm	----	NW	1	NW	1	NW	1	0	----------	----------	5	----------	Cu.
30	Calm	----	Calm	----	Calm	----	Calm	----	NW	1	NW	1	0	----------	----------	0	----------	----------
31	Calm	----	SW	1	Calm	----	Calm	----	Calm	----	Calm	----	10	----------	S.-Cu.	5	----------	Cu. E
Mean	------	0.6	------	0.3	------	0.8	------	1.3	------	1.3	------	1.1	5.8	----------	----------	6.2	----------	----------

TUGUEGARAO.

[ϕ=17° 36′ N; λ=121° 40′ E; barometer above sea, 23 meters; gravity correction not applied, —1.61 mm.]

NOVEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6, a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	61.54	61.99	62.47	59.34	59.92	62.27	23	21.2	28.2	32.1	26.5	23.6	33	21	93	99	77	54	74	89	------
2	61.82	62.24	63.73	60.80	61.80	63.23	21.6	19.6	26.5	29.2	25.1	23.8	31.4	19.5	93	94	74	66	98	97	------
3	62.79	63.45	63.66	61.41	62.19	63.49	23	22.4	28	28.9	24.2	21.4	30.4	20.2	98	98	61	54	78	93	------
4	62.34	62.05	63.58	60.05	60.69	61.36	21.1	20.7	27	26.1	24.4	20.8	30	20	93	94	70	75	69	86	------
5	60.12	60.27	60.72	57.74	58.44	59.84	19	18.4	23.9	28.7	25	22	30.3	17.7	95	96	85	56	73	91	------
6	59.30	59.02	60.09	58.06	58.75	59.76	21.2	20.7	23.2	25.4	22.4	21.8	28.4	20.4	96	99	94	80	98	96	7.4
7	58.73	59.46	61.04	59.42	60.71	61.78	21.5	21.2	24.4	23.5	21.2	20.4	25.4	20	95	95	84	87	95	96	4.1
8	61.18	61.78	63.12	61.10	62.25	63.27	20.2	20	25.1	25.3	23	21	27.7	19.9	98	100	79	73	79	95	------
9	63.24	63.84	64.70	62.76	63.47	64.97	20.3	19.1	26	26.7	23.1	19.5	29.3	18.2	95	100	65	60	72	91	------
10	64.68	64.93	65.39	63.03	62.98	64.54	18.7	18	25.1	28.5	23.1	19.4	30.4	16.8	94	95	75	44	81	94	------
11	63.89	64.11	65.67	62.82	62.59	63.89	17.1	17.6	22.7	28.7	24.8	22.1	29.4	16.2	93	97	82	56	75	85	------
12	63.79	63.94	64.24	62.37	62.65	64.61	20.8	19.4	25.5	27.7	25.8	23.2	29.7	19	90	98	78	65	72	85	------
13	64	64.30	64.77	62.57	62.72	64.32	20.6	18.6	27	28.9	26.1	21	31.5	18.5	94	100	77	58	73	94	------
14	63.77	63.83	64.34	61.50	61.80	64.09	20.2	19.6	26.7	31.4	25.9	21.8	33.7	19.5	96	98	77	52	69	96	------
15	62.94	63.39	64.08	61.37	62.03	63.62	19.5	17.6	27.1	29	27.5	24.4	32.2	17.5	100	100	76	65	73	87	------
16	62.52	62.69	63.55	60.70	61.20	63.35	22.7	21.3	29.2	30	27.6	23.3	33	21	91	97	71	66	71	82	------
17	62.65	62.95	64.07	61.17	61.06	62.75	21.1	18.8	26.5	31	27.1	24.3	33.5	18.5	89	98	81	65	81	90	6.9
18	62.37	62.87	63.91	61.18	61.97	63.22	22.5	21.5	26.2	29.2	25.2	22	30.3	21	98	100	90	71	86	96	2
19	62.50	62.77	63.64	60.86	61.75	62.84	21.6	21	26.2	29.8	25.4	21.7	30.8	19.8	99	96	82	65	83	89	------
20	62.08	61.94	62.37	59.68	60.15	61.43	19.2	18	25.1	29.4	25.1	24	32	17.8	99	100	87	72	88	95	5.6
21	60.59	60.58	61.34	58.09	58.28	59.99	23.4	23	26.6	30.7	27	24.1	32.5	22	95	94	87	65	77	96	------
22	59.31	59.75	60.47	57.53	57.60	58.78	22.5	21.2	28.1	33.2	27.5	23.3	34.3	20.5	96	95	74	49	86	90	------
23	58.73	59.44	60.27	57.52	58.17	59.79	21.5	20.6	27	32.6	26.5	24.3	33.4	20.2	98	97	85	60	80	87	------
24	58.94	60.05	61.09	58.70	60.04	61.81	23.1	22.5	27.1	31.8	25.6	22.4	32.5	21.8	93	94	79	56	79	96	------
25	61.41	61.78	63.11	60.06	60.54	62.27	22	21.6	27	31.2	26.4	23.1	32	21.4	95	95	78	55	82	96	------
26	61.60	62.55	64.19	60.76	61.30	62.97	21.7	20.2	25	30.5	25.6	21.5	31.4	19.4	96	98	84	56	81	90	------
27	62.38	63	63.48	59.94	59.91	61.89	21.3	21.1	27.5	32.5	27.6	21.8	33	20.3	92	93	76	46	63	89	------
28	61.65	62.07	63.19	60.54	61.07	62.86	20	19.5	26.9	31.7	27.5	22.7	32.8	19.3	93	96	79	56	76	96	------
29	62.49	63.03	63.49	60.77	61.41	62.63	21	21.6	27	29.4	26.5	22.5	32	20.2	96	95	86	68	85	98	------
30	62.28	62.95	63.66	60.70	61.23	62.69	21	19.5	27	31.8	26.6	21.7	33.4	19.3	96	99	78	49	81	91	------
Mean	61.85	62.23	63.11	60.42	60.96	62.48	21.1	20.2	26.3	29.5	25.5	22.3	31.3	19.6	95	97	79	61.5	79.3	91.9	------
Total	-------	-------	-------	-------	-------	-------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	26

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0 12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	Calm	----	Calm	----	SW	1	NW	1	NW	2	NW	3	0	----------	----------	5	----------	Cu.	
2	Calm	----	Calm	----	NE	2	NE	2	NW	3	NW	4	1	Ci.	----------	8	----------	Cu.-N.	N
3	NW	1	NW	3	NW	3	NE	3	NW	3	NW	1	8	----------	S.-Cu.	N 10	----------	Cu.-N.	N
4	Calm	----	Calm	----	NW	3	NW	2	NW	2	NW	1	5	Ci.	S.-Cu.	8	----------	Cu.	N
5	NW	1	Calm	----	NW	1	NW	3	NW	1	NW	1	8	----------	S.-Cu.	N 6	Ci.	Cu.	NE
6	NW	1	NW	1	NW	1	NW	4	NW	2	NW	4	10	----------	N.	N 10	----------	Cu.-N.	N
7	NW	2	NW	2	NW	2	NW	4	NW	1	NW	2	8	----------	S.-Cu.	7	----------	Cu.	NE
8	NW	2	N	1	NNW	1	NW	3	NNW	3	NW	3	10	----------	N.	7	Ci.	Cu.	N
9	N	1	Calm	----	NW	1	NW	2	N	1	NW	1	8	----------	S.-Cu.	8	----------	Cu.	NW
10	Calm	----	Calm	----	Calm	----	Calm	----	NW	1	Calm	----	8	----------	S.-Cu.	6	----------	Cu.	E
11	Calm	----	Calm	----	SW	1	NW	1	Calm	----	Calm	----	4	----------	S.-Cu.	4	----------	Fr.-Cu.	
12	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	SE	1	7	----------	S.-Cu.	8	A.-Cu. ESE	Cu.	SE
13	Calm	----	Calm	----	Calm	----	Calm	----	S	1	Calm	----	0	----------	----------	8	----------	Cu.	E
14	Calm	----	Calm	----	SE	1	Calm	----	Calm	----	Calm	----	8	----------	S.-Cu.	4	----------	Cu.	E
15	Calm	----	Calm	----	Calm	----	Calm	----	NW	1	NW	1	0	----------	----------	8	----------	Cu.-N.	ENE
16	Calm	----	Calm	----	SW	1	Calm	----	Calm	----	Calm	----	3	----------	S.	6	----------	Cu.	SE
17	Calm	----	Calm	----	NE	1	NW	1	NW	1	Calm	----	0	----------	----------	6	----------	Cu.	E
18	Calm	----	Calm	----	Calm	----	NW	1	NW	1	Calm	----	8	----------	Cu.-N.	7	----------	Cu.	N
19	Calm	----	Calm	----	Calm	----	N	1	NW	2	Calm	----	8	----------	Cu.-N.	8	----------	Cu.-N.	NW
20	Calm	----	Calm	----	Calm	----	NW	2	NW	1	Calm	----	8	----------	S.-Cu.	S 8	----------	Cu.-N.	NW
21	Calm	----	Calm	----	Calm	----	SW	1	Calm	----	Calm	----	10	----------	Cu.-N.	6	----------	Cu.	NE
22	Calm	----	SE	1	SE	1	SE	1	Calm	----	Calm	----	0	----------	----------	4	----------	Fr.-Cu.	SE
23	Calm	----	Calm	----	Calm	----	Calm	----	NW	2	NW	3	7	----------	S.-Cu.	N 8	----------	Cu.	E
24	Calm	----	Calm	----	NE	1	N	1	NW	2	NNW	2	8	----------	S.-Cu.	N 5	----------	Cu.	NE
25	Calm	----	Calm	----	Calm	----	NW	1	NW	2	Calm	----	6	----------	Cu., S.	S 6	----------	Cu.	NW
26	Calm	----	Calm	----	Calm	----	NW	1	Calm	----	Calm	----	4	----------	S.	6	----------	Cu.	NW
27	Calm	----	Calm	----	Calm	----	SW	1	SW	1	Calm	----	8	----------	S.-Cu.	3	----------	Fr.-Cu.	
28	Calm	----	Calm	----	Calm	----	Calm	----	NW	2	NW	2	8	----------	S.-Cu.	NW 3	----------	Fr.-Cu.	
29	Calm	----	Calm	----	Calm	----	Calm	----	NW	1	NW	1	8	----------	S.-cf.	8	----------	Cu.	NW
30	Calm	----	Calm	----	Calm	----	SE	1	SE	1	Calm	----	6	----------	S.-cf.	5	----------	Cu.	
Mean	-------	0.3	-------	0.3	-------	0.7	-------	1.2	-------	1.2	-------	1	5.9	----------	----------	6.5	----------	----------	

TUGUEGARAO.

[$\phi = 17° 36'$ N; $\lambda = 121° 40'$ E; barometer above sea, 23 meters; gravity correction not applied, —1.61 mm.]

DECEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	62.14	63.01	63.92	60.54	60.68	62.52	20.3	19.3	26.6	32	27.2	21.4	33.4	18.2	94	97	68	54	77	85	------
2	61.57	61.98	63.03	60.22	60.33	61.92	19.5	18	26	31.4	26.4	24.4	32.3	17.3	100	100	72	46	79	85	------
3	61.08	61.87	63.44	60.07	59.85	61.29	22.4	21.4	26.3	32.1	26.6	21.5	33	20.1	93	93	90	54	74	95	------
4	60.72	61.27	62.22	59.07	59.57	60.96	20.4	19.4	27	31.9	27.1	23.2	33.7	18.4	96	100	73	51	70	88	------
5	60.73	61.16	61.81	58.85	59	61.18	22.1	21.5	28	33.9	27.2	22.8	34.6	21	91	92	77	51	70	90	------
6	60.80	60.81	61.58	58.99	59.48	60.50	22.3	22.2	26.4	26.2	24.6	22.6	28.3	21.2	90	88	76	81	84	88	------
7	59.92	60.56	61.36	58.94	58.89	58.41	21.2	19.5	25.2	27.4	24.1	22.5	29.1	19.2	93	97	78	67	82	98	16.7
8	57.11	55.33	53.66	47.55	41.33	50.45	------	------	------	------	------	------	------	------	------	------	------	------	------	------	185.1
9	51.17	52.13	54.15	52.22	52.07	52.51	------	------	------	------	------	------	------	------	------	------	------	------	------	------	19.5
10	54.21	54.03	56.19	54.18	55.09	56.71	24.6	24.6	26.8	29.9	25.3	23.7	31.2	23.3	97	97	82	67	90	97	19.3
11	56.66	58.04	59.81	56.95	58.26	59.66	23.1	22.4	23.5	25	22.8	22.9	26.5	21.5	97	100	99	83	97	98	13
12	59.36	60.51	62.28	59.64	60.90	62.16	22.6	22.4	25.8	29.3	24.5	23	30.4	21.8	98	97	85	76	90	100	11.2
13	61.38	61.88	62.99	60.15	60.29	62.37	22.6	22.3	26	30.1	26	22.6	32	21.3	100	100	89	72	90	95	------
14	62.09	62.79	64.02	60.69	61.22	63.63	21.4	19.8	24.5	29.6	25.1	22.1	30.7	19.6	95	100	87	67	80	95	------
15	63.34	63.84	64.56	62.02	61.97	63.63	21.3	20.5	25.7	30.3	24.7	22	30.6	20.1	95	97	82	57	77	88	------
16	63.05	63.69	65.27	62.77	62.68	64.12	20.8	20.3	25	27.7	25.3	23.4	29.5	20.1	94	97	87	79	88	94	------
17	63.66	63.60	64.66	61.85	62.75	64.09	22.2	21.5	26.5	29.7	25.5	23.2	31.3	21	96	97	84	69	92	94	------
18	64.08	64.39	65.27	62.41	63.05	64.25	22	20.9	26.7	31.5	26.2	22.3	32.7	20.4	96	96	82	44	76	96	------
19	64.05	63.86	64.77	61.12	61.79	62.75	19.2	19.4	26.1	31.3	26.8	24.6	32.5	18.5	99	99	80	57	83	89	------
20	62.68	63.42	65.03	62.85	63.57	64.89	22.8	22	27	31	25.3	21.5	32	20.8	98	98	81	65	82	92	------
21	64.84	65.02	66.37	64.32	64.65	65.32	20.2	20.6	24.7	28	25.4	23.8	29.7	19.5	98	97	83	67	84	93	------
22	64.39	64.90	65.22	62.26	62.99	64.24	21.4	21.6	25.5	30.6	26.6	21.5	31.8	20.5	98	98	84	52	72	95	------
23	64.37	64.79	66.43	63.82	64.14	64.87	20.9	17.7	23.4	28.1	23.1	23.1	28.8	17.4	87	96	80	77	97	96	5.8
24	65.09	65.57	66.38	63.42	63.60	64.31	21.6	22	25	30.8	26.3	22	32.5	21.2	98	98	90	58	91	98	------
25	63.57	63.83	64.68	61.76	62.10	63.21	20.5	19	24.7	31.5	27.2	22	32.4	18.4	97	96	84	51	77	95	------
26	63.19	63.55	64.87	61.47	62.31	63.54	20.9	19.8	23	30	26	23.7	30.8	19	94	94	90	55	78	90	------
27	62.99	63.58	65.29	61.84	62.72	63.83	20	20.4	25.4	30.9	25.2	20.6	32.3	19.5	98	98	87	58	78	91	------
28	63.54	63.99	65.18	61.42	61.86	63.14	18.6	17.6	20.4	26.5	25.2	22.5	28.5	17	100	100	96	62	82	89	------
29	62.63	62.80	64.27	60.89	61.67	62.85	19.8	20.4	21.5	26.7	24	22.2	28.6	19	96	98	92	68	83	95	5.3
30	61.16	61.52	62.88	59.98	60.99	62.08	21.8	21.5	25	28.9	25.2	23	30.6	21	96	97	88	68	88	96	8.1
31	61.57	61.92	63.05	60.02	60.15	61.61	21.8	21.1	24.6	29	26.8	23.2	31	20.6	97	95	87	60	80	90	------
Mean	61.52	61.92	63.05	60.07	60.32	61.84	21.3	20.7	25.3	29.7	25.6	22.7	31.1	19.9	95.9	97	83.9	62.6	82.4	92.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	284

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	Calm	----	Calm	----	SE	1	SE	1	Calm	----	Calm	----	0	----------	----------	6	----------	Cu. SE
2	Calm	----	Calm	----	Calm	----	SE	1	Calm	----	NW	1	0	----------	----------	7	----------	Cu. SE
3	Calm	----	Calm	----	Calm	----	SW	1	Calm	----	Calm	----	8	----------	Cu., S.-Cu.	4	----------	Cu. SE
4	Calm	----	Calm	----	NW	1	SW	1	Calm	----	Calm	----	8	----------	S.-Cu. SE	7	----------	Cu. SE
5	Calm	----	Calm	----	Calm	----	SE	1	Calm	----	Calm	----	8	----------	S.-Cu.	5	----------	Cu.
6	Calm	----	Calm	----	NW	1	NW	1	NW	2	NW	3	8	----------	Cu.-N.	8	----------	Cu.-N. N
7	NW	2	NW	2	NW	2	NW	2	NE	2	NE	3	3	----------	S.	8	Ci.-S.	Cu. N
8	NW	4	NW	4	NW	5	NW	6	NW	11	SSW	3	10	----------	Cu.-N. N	10	----------	Cu.-N. N
9	SSW	2	Calm	----	SW	1	Calm	----	SW	2	SE	3	10	----------	Cu.-N. S	10	----------	N.
10	SE	1	Calm	----	NW	1	NW	3	NW	3	Calm	----	5	----------	Cu.-N.	10	Ci.-S.	Cu.-N.
11	NW	2	NW	3	NW	3	NW	5	NW	3	Calm	----	10	----------	N.	10	----------	Cu.-N. N
12	Calm	----	Calm	----	Calm	----	Calm	----	NW	1	Calm	----	10	----------	Cu.-N. N	10	----------	Cu.-N.
13	Calm	----	SE	1	S	1	SE	2	Calm	----	Calm	----	7	----------	Cu.-N. NE	3	----------	Fr.-Cu.
14	Calm	----	Calm	----	Calm	----	N	1	NW	2	NW	1	2	----------	S.	5	----------	Fr.-Cu. NE
15	Calm	----	Calm	----	NW	1	SE	1	NW	1	Calm	----	4	----------	S.	6	----------	Cu. NW
16	Calm	----	Calm	----	Calm	----	Calm	----	S	1	Calm	----	3	----------	S.	8	----------	Cu.
17	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	6	Ci.-S.	S.	6	Ci.-S.	Cu.
18	Calm	----	Calm	----	SW	1	SW	2	Calm	----	SW	1	0	----------	----------	5	----------	Fr.-Cu. S
19	Calm	----	Calm	----	SSW	1	SW	1	NW	1	Calm	----	0	----------	----------	2	----------	Fr.-Cu.
20	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	10	----------	N.	6	----------	Cu.
21	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	8	----------	S.-Cu.	6	----------	Cu. W
22	Calm	----	Calm	----	S	1	SW	2	Calm	----	N	1	5	----------	S.-Cu.	2	----------	Cu.
23	Calm	----	Calm	----	Calm	----	NE	1	NE	1	N	1	6	----------	S.-Cu.	7	Ci.-Cu.	Cu. N
24	Calm	----	Calm	----	SW	1	SW	1	Calm	----	Calm	----	10	----------	Cu.-N.	6	----------	Cu. E
25	Calm	----	Calm	----	SSW	1	SW	1	Calm	----	Calm	----	0	----------	----------	0	----------	----------
26	Calm	----	Calm	----	SW	1	SW	1	SW	1	Calm	----	8	----------	Cu.-N.	7	----------	Cu.
27	Calm	----	SE	1	Calm	----	NW	1	SW	1	Calm	----	8	----------	Cu.-N. SE	6	Ci.	Cu. SW
28	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	0	----------	----------	8	----------	S.-Cu.
29	Calm	----	Calm	----	N	1	NW	1	NW	1	Calm	----	10	----------	N.	10	Ci.	Cu.-N.
30	Calm	----	Calm	----	Calm	----	Calm	----	NE	1	Calm	----	10	----------	N.	7	----------	Cu.-N. SE
31	Calm	----	SE	1	SE	1	SE	1	Calm	----	SE	1	10	----------	N. S	7	----------	Cu. S
Mean	------	0.4	------	0.4	------	0.8	------	1.2	------	1.1	------	0.6	6	----------	----------	6.1	----------	----------

APARRI.

[ϕ=18° 22′ N; λ=121° 38′ E; barometer above sea, 5 meters; gravity correction not applied, —1.57 mm.]

JANUARY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	62.68	62.77	63.23	60.90	61.61	62.01	21.6	21.4	26	28	23.5	21.7	28.4	20.1	86	87	72	58	84	88	------
2	61.47	61.67	63.11	60.98	61.73	62.56	21	20.5	21.2	23.3	23	22.7	25.5	19.6	91	92	94	84	85	87	17.7
3	62.27	62.46	63.40	61.96	62.62	63.41	22.1	21.7	23	22.7	23.2	22.1	25	21.1	92	96	92	93	88	93	12.2
4	63.29	63.96	64.64	62.09	62.56	63.26	22.1	21.6	23.2	26.5	24.5	23.4	27.4	20.4	92	95	90	80	87	87	1.5
5	62.53	62.78	63.78	61.70	62.79	63.59	22.4	21.1	26.2	28	25	24.9	29	20.1	88	94	60	74	82	87	4.3
6	63.21	63.33	65.03	62.86	63.43	64.58	22.3	24	24	24.5	24	23.2	25.4	21.6	94	83	80	80	72	81	.3
7	64.14	64.29	65.89	63.48	64.21	65.34	22.9	22.5	23.6	24.5	23.2	22.1	26.2	21.3	82	82	77	71	69	77	.3
8	64.89	65.01	66.15	63.34	63.57	63.68	21.8	21.3	24.9	25.6	23.5	22.9	26	19.5	79	83	66	66	74	74	------
9	61.82	61.63	62.21	59.41	59.49	59.96	21.1	20.3	24.6	27	24.4	23	28	19.1	86	93	79	72	83	85	------
10	59.70	59.51	60.32	58.13	58.18	59.10	22.1	21.4	24.4	26.5	23.5	23.5	27.4	21	88	95	92	80	92	85	10.7
11	58.95	59.38	60.99	58.95	59.33	60.49	23.2	22.5	23.2	23.6	22.1	22	25.7	21	86	89	85	85	88	91	67.4
12	60.41	60.91	62.86	61.22	61.51	63.04	23	21.2	20.8	22	22	21.2	24	20	79	89	93	78	78	82	19.4
13	62.33	62.48	64.32	63.26	63.58	64.29	20.6	20.4	21.2	20.7	21	21.3	22.7	19.6	90	91	94	91	87	90	8.9
14	63.77	63.38	64.08	61.71	61.54	62.31	22	22	24.5	24	22.5	22.5	25.4	21	90	91	81	85	90	87	4.6
15	61.68	61.63	62.77	60.74	60.68	61.73	21.8	21.3	23	22.1	21.5	21	25	20.1	89	93	90	90	89	83	21.8
16	61.16	61.35	62.93	61.43	61.88	62.64	20.9	20.7	20.9	21.4	22	21.7	22.1	19.9	87	90	87	87	79	76	39.6
17	62.05	61.90	62.86	60.71	61.28	62.14	20.3	19.7	22	24	22	21.6	24.6	19.1	88	93	84	78	88	93	2.6
18	61.87	61.66	62.89	60.87	61.33	62.61	21.8	21.9	22.5	24.7	23	23.4	25.8	20.7	91	90	78	82	85	78	17.9
19	61.96	62.38	63.36	61.73	62.04	63.21	22.9	21	22.6	24.4	22.2	21.4	26.4	20.6	79	91	88	65	84	82	11.7
20	62.63	62.26	63.64	61.80	62.10	62.89	21	20.5	20.9	25	22.4	22	25.6	20	86	93	96	77	82	89	21.8
21	62.03	62.08	62.83	60.81	61.21	62.51	20	19.2	24.2	27	24.2	23.3	27.9	18.6	91	94	78	66	80	83	------
22	61.84	61.83	63.21	61.04	61.06	62.19	21.2	21	25.4	26.2	24.2	22.2	27	20.6	93	94	74	70	76	88	25.6
23	61.61	61.23	62.48	60.47	60.66	61.71	22.1	21.3	21.9	23	23	23.3	23.9	20.3	88	95	92	83	78	72	15.5
24	61.32	60.68	61.83	59.81	60.23	61.81	22.8	22.2	24.1	24	23	21.8	25.9	20	76	74	72	73	72	80	------
25	61.56	60.93	62.46	60.43	60.41	61.08	20.3	21	22.5	24.4	23	21.4	25.3	19	92	87	78	68	73	90	------
26	60.57	59.76	60.36	58.20	57.84	58.68	20.6	20.6	23.5	27.2	25	23	29.2	19.6	91	91	80	72	87	96	------
27	58.53	57.68	59.20	57.11	56.96	57.93	21.9	21	24.7	28.8	25.2	23.4	29	20.1	95	95	70	72	87	95	------
28	57.50	57.56	58.87	57.16	57.94	58.66	22.2	20.8	25.8	28.6	25.6	24.5	29	19.9	95	93	75	72	82	89	------
29	58.42	58.58	59.95	57.58	57.36	58.42	24.2	22.8	25.9	27.5	25	23.5	28	22.1	90	93	75	68	79	89	------
30	58.14	58.23	59.52	57.31	57.08	58.46	22.5	22	26.8	28.2	25.6	23.9	28.8	21.6	87	86	71	72	84	96	------
31	58.32	58.35	59.37	56.89	57	57.71	23	21.6	26.7	30.1	26.1	24.5	31.8	21.2	95	96	77	69	86	92	------
Mean	61.38	61.34	62.53	60.45	60.75	61.68	21.9	21.3	23.7	25.3	23.5	22.7	26.5	20.3	88.3	90.6	81.3	76.2	82.3	86	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	303.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SE	SE	SE	SE	E	E	12.4	51.5	51.8	14.6	130.3	8	----------	S.-Cu. SE	2	----------	Cu.-N.
2	E	E	NW	NE	NE	NE	21.1	73.2	149.4	222	465.7	8	----------	Cu.-N. N	10	----------	N. NE
3	NE	NE	E	E	E	E	185.2	82.6	68.2	23	359	10	----------	N. NE	10	----------	S.-Cu. E
4	E	E	S	S	SE	SE	21.7	51.2	79.5	15.9	168.3	10	----------	N.	9	----------	Cu.-N. SE
5	SE	S	S	N	N	N	20.4	38.6	41.9	7.8	108.7	0	----------	----------	0	----------	----------
6	N	NE	NE	E	E	E	77.9	154.8	145.4	115.4	493.5	10	----------	Cu.-N. NE	10	----------	S.-Cu. E
7	E	E	E	E	E	E	82.7	113.2	118.1	54.5	368.5	10	----------	S.-Cu. E	10	----------	S.-Cu. E
8	E	E	E	E	E	E	19.4	38.1	94.1	60.7	212.3	10	----------	S.-Cu. E	9	A.-Cu. S	Cu.-N.
9	E	E	E	SE	E	E	3.3	12.9	49.2	10.2	75.6	8	----------	S.-Cu. E	5	----------	S.-Cu. E
10	SE	SE	N	N	NE	NE	9.7	77.7	116.4	138.5	342.3	1	----------	S.-Cu.	10	----------	S.-Cu. NE
11	NE	NE	NE	NE	NE	NE	121.3	62.7	42.8	37.3	264.1	10	----------	N. NE	10	----------	N. NE
12	NE	E	E	E	E	ENE	109.4	161.4	158.8	145.1	574.7	10	----------	N. NE	10	----------	N. ENE
13	E	E	ENE	NE	E	E	72.3	97.7	169.2	113	452.2	10	----------	Cu.-N. ENE	10	----------	N. NE
14	E	E	E	E	NE	E	57.4	63.3	120.9	98.4	340.5	10	----------	Cu.-N. ENE	10	----------	S.-Cu. ENE
15	E	E	NE	NE	NE	NE	27.7	55.7	94.4	105.3	283.1	10	----------	N. ENE	10	----------	N. NE
16	NE	ENE	E	E	E	E	126.3	146.4	133.6	52.3	457.6	10	----------	N. NE	10	----------	Cu.-N. NE
17	SE	SE	SE	SE	E	E	17.2	9.1	69.5	69.2	165	10	----------	S.-Cu. S	10	----------	S.-Cu.
18	E	E	E	N	N	N	41.8	15	74.9	67.6	199.3	7	----------	S.-Cu. SE	7	----------	Cu.-N. N
19	NE	W	W	NW	N	NE	62.5	47	66.5	48	224	10	----------	Cu.-N. NE	5	----------	Cu.-N. NE
20	NE	NE	N	N	N	N	19.9	42.8	41.5	15.4	119.6	10	----------	N.	8	A.-Cu. SE	Cu.-N
21	N	N	N	N	NE	NE	16.1	13	41.1	9.7	79.9	2	----------	S.-Cu.	1	----------	Cu.-N.
22	NE	NE	NE	NE	NE	NE	4.8	3.1	61.2	86.9	156	7	----------	S.-Cu. S	1	----------	Cu.-N.
23	NE	NE	NE	NE	E	E	69.2	140	157.7	144.8	511.7	10	----------	N.	10	----------	S.-Cu. ENE
24	E	E	E	E	E	E	114	109.7	126.2	78.4	428.3	10	----------	S.-Cu. E	6	----------	S.-Cu.
25	E	E	E	E	E	E	5.3	95.9	55.2	9.8	166.2	10	----------	S.-Cu. E	10	----------	S.-Cu. E
26	E	E	SE	E	E	E	.8	58.6	71.3	9.1	139.8	4	A.-Cu. SW	S.-Cu.	0	----------	----------
27	E	E	E	E	E	E	.6	1.4	31.2	.6	33.8	0	----------	----------	1	----------	Cu.-N.
28	E	E	E	E	E	E	.6	6.4	56.8	4.3	68.1	0	----------	----------	0	----------	----------
29	E	E	E	E	E	E	2.7	15	78.9	9	105.6	10	A.-Cu. SW	S.-Cu. S	1	----------	Cu.-N.
30	E	E	E	E	E	E	.8	25.7	41.9	45.7	114.1	0	----------	----------	0	----------	----------
31	E	E	E	SE	E	E	39.7	52	75.8	49.1	216.6	0	----------	----------	0	----------	----------
Mean	------	------	------	------	------	------	44	61.8	86.6	60.1	252.4	7.3	----------	----------	6.3	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	7,824.4	----	----------	----------	----	----------	----------

APARRI.

[$\phi = 18°\ 22'$ N; $\lambda = 121°\ 38'$ E; barometer above sea, 5 meters; gravity correction not applied, −1.57 mm.]

FEBRUARY, 1911.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.27	57.39	58.77	56.46	57.06	58.60	23.7	23	26.4	29.8	26.5	25.4	31.1	22.2	94	95	76	66	82	87	------
2	58.44	58.83	60.66	58.96	59.32	60.74	24.1	23	26.5	28.7	26.2	24.5	29.7	22.4	91	97	83	71	81	85	3.3
3	60.08	60.37	61.96	60.81	60.99	62.82	24.7	22.9	25.6	22.9	22.6	22	28.4	21.5	86	90	82	87	89	87	72.3
4	62.52	62.84	64.89	63.63	63.81	64.56	21.2	21.7	22.9	22.1	22	23	23.5	20.7	89	87	81	87	87	78	21.7
5	64.01	64.06	64.93	63.28	63.36	63.84	22.9	22.3	23.9	24.1	22.4	23.3	24.5	21.1	79	84	77	73	82	75	4.7
6	63.21	63.33	64.56	62.88	63.04	64.04	23	22.1	23.2	23.8	22.6	22.9	25	20.5	74	76	68	64	72	70	------
7	63.39	63.79	64.73	62.27	61.80	62.77	21.7	20	21.5	24.2	22	21	24.9	19.5	80	94	85	69	86	94	------
8	62.17	62.27	63.57	61.18	61.26	62.95	21.1	21	24.1	25.4	22.5	23.4	27.3	20.3	85	87	70	64	68	70	10.7
9	62.69	62.89	64.77	63.21	63.28	64.74	20.3	20.9	24.5	25.5	23.5	23.2	26	19.5	95	90	64	83	71	68	------
10	64.61	64.97	66.55	64.71	64.71	65.86	22.3	22.6	25.5	25.4	23.5	23.4	26.6	21.2	76	74	60	63	71	78	16.5
11	64.98	64.86	66.11	64.71	64.95	65.75	22.5	22.9	24.2	24	24	24	24.8	21.2	96	96	88	83	83	85	13.5
12	65.04	64.63	66.20	64.63	64.55	65.66	23.8	23.6	24.8	25.8	23.5	23	26.7	22.4	85	82	75	65	72	69	------
13	65.10	64.16	65.45	63.56	62.75	63.82	22.8	22.6	24.9	25.9	23.5	22.8	26.3	21.2	68	66	64	62	72	78	------
14	63.21	63.01	64.23	62.34	62.04	63.07	21.1	20.4	25	26	23.8	23.5	26.9	19.8	88	91	70	67	77	80	------
15	62.40	62.35	63.66	61.95	61.92	62.91	23	22.6	24	25.8	23.5	23.5	26.9	21.2	83	86	80	65	74	72	------
16	62.42	62.34	63.57	61.75	61.98	63.06	23.1	22.4	24.6	24.5	22.7	22.6	26	21.1	75	82	74	73	83	89	1.8
17	62.11	61.68	62.99	61.38	61.56	62.68	22.3	22.4	23	23	21.7	21.8	24.5	21	84	84	79	85	88	87	5.5
18	62.29	62.48	64.48	63.71	64.07	65.44	22	21.9	22.1	23.1	22.5	22.8	23.5	20.3	84	85	83	74	70	70	.3
19	65.32	65.52	67.26	65.96	66.15	67.50	21.5	21	23.5	24.7	22	22	25.4	20.2	74	75	65	60	64	68	1.3
20	66.85	67.02	67.96	65.91	65.40	66.66	21.9	19.5	21	22.2	21.8	21.7	23	19.1	70	89	77	72	78	78	9.1
21	66.01	65.42	66.61	64.37	64.35	65.44	21	22	23.5	24.8	22.2	21	25.7	19.5	83	76	70	65	71	77	------
22	63.78	63.39	64.18	61.56	61.68	62.89	19.9	17.2	23	25.1	22.5	22	26.5	16.6	73	94	66	62	68	76	------
23	62.38	62.58	64.89	62.80	63.38	65.60	20.1	22	23	26.5	20.7	21.7	27.2	19	85	72	77	60	90	81	8.2
24	65.14	65.36	67.14	64.86	65.14	66.71	21.3	21.3	23.4	23.7	21.5	21.6	25.6	19.7	79	76	69	71	78	79	1.6
25	65.21	65.09	65.94	63.56	63.40	64.01	21.1	21.8	24.3	25	23.2	22.5	26	20.4	84	79	73	73	76	83	7.8
26	62.29	62.31	63.72	61.38	61.59	62.68	21.8	21	22.1	22.6	21.5	21.7	26	20.1	86	91	85	84	78	85	11.9
27	60.98	61.26	62.54	60.01	60.08	61.31	20.8	20.3	21.8	25	23.6	22.4	26.2	19.6	91	95	91	78	81	88	------
28	60.42	60.14	61.81	59.75	60.26	61.65	21.1	20	23.8	26	23.6	22.6	27.6	19.5	90	93	81	73	78	84	1.4
Mean	63.01	63.01	64.43	62.56	62.64	63.85	22	21.6	23.8	24.8	22.9	22.7	26.1	20.4	83.1	85.2	75.5	71.4	77.5	79.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	191.6

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	E	S	SE	NE	NE	36.5	73.2	76.7	39.4	225.8	0	------	------	0	------	------
2	NE	NE	NE	NE	NE	N	34.7	40.9	62.3	73.5	211.4	1	------	S.-Cu.	0	------	------
3	N	N	N	N	NE	NE	63.7	51.4	118.4	134.3	367.8	6	------	S.-Cu. N	10	------	N. NE
4	NE	NE	NE	NE	E	E	127	134.4	138.4	152.8	552.6	10	------	N. NE	10	------	N. NE
5	E	E	E	E	E	ENE	135.9	133.6	153.2	168.6	591.3	10	------	Cu.-N.	10	------	S.-Cu. E
6	E	E	E	E	E	E	172.2	191.2	141.1	84.6	589.1	10	------	S.-Cu. E	10	------	S.-Cu. E
7	E	SE	SE	SE	SE	SE	56	37.6	43.5	47.8	184.9	10	------	S.-Cu. ESE	10	------	S.-Cu. SE
8	S	S	S	E	E	E	41.9	36.9	109.7	81.8	270.3	10	------	S.-Cu. E	6	------	Cu.-N. E
9	E	S	E	E	E	E	73.7	121.6	175.7	166.5	537.5	10	------	Cu.-N. E	1	------	Cu.-N.
10	E	E	E	E	E	E	119.6	105.9	154.2	123.8	503.5	3	------	Cu.-N. E	9	------	Cu.-N. E
11	E	ENE	ENE	NE	E	E	108.3	178.1	164.9	136	587.3	10	------	N. NE	10	------	N. NE
12	E	E	E	E	E	E	140.3	162.5	148.8	100.8	552.4	10	A.-Cu. SE	S.-Cu.	6	A.-Cu. SE	S.-Cu.
13	E	E	SE	E	E	E	108	91.6	151.8	73.9	425.3	10	A.-Cu. SW	S.-Cu.	2	------	Cu.-N.
14	E	SE	SE	SE	S	E	42.1	45.6	66.6	92	246.3	10	------	S.-Cu. SE	10	------	S.-Cu.
15	E	E	E	NE	NE	ENE	70.6	86.4	130.6	134.4	422	9	------	S.-Cu. E	7	Ci. S	Cu.-N.NE
16	NE	NE	ENE	NE	NE	NE	138.5	128.1	186.8	209.8	663.2	10	------	Cu.-N. NE	10	------	Cu.-N.NE
17	NE	NE	NE	NE	NE	NE	202.4	202.5	182.8	196.1	783.8	10	------	Fr.-N. NE	10	------	Cu.-N.NE
18	NE	NE	NE	NE	NE	NE	197.6	199.8	184	162.5	743.9	10	------	N. NE	10	------	Cu. N.NE
19	NE	NE	NE	NE	NE	E	180.2	195.7	------	------	------	10	------	S.-Cu. ENE	8	------	cu.-N.ENE
20	ENE	ENE	E	NE	NE	NE	140.3	141.5	154.5	157.4	593.7	10	------	N. ENE	10	------	s.-Cu. ENE
21	E	E	E	E	E	E	99.1	124.8	132	74.9	430.8	1	------	S.-Cu. E	10	A.-Cu. SW	Cu.-N.
22	E	E	E	NE	NE	NE	41.7	56.2	96.7	49.4	244	0	------	------	0	------	------
23	NE	NE	N	N	NE	NE	41.3	85.6	105.7	123.2	355.8	7	A.-Cu. NW	Cu.-N.	0	------	------
24	NE	NE	NE	NE	NE	NE	159.6	173.5	167.9	164.4	665.4	10	------	Cu.-N. NE	8	------	Cu.-N.NE
25	NE	NE	NE	NE	NE	NE	170.4	149.4	137.1	115	571.9	10	------	Fr.-N. NE	9	------	Cu.-N.NE
26	NE	NE	NE	N	NE	NE	102.3	91.4	79.4	45	318.1	10	------	N. NE	10	------	S.-Cu. N
27	NE	NE	NE	N	N	N	51.5	61.2	65.9	37.1	215.7	10	------	N.	1	------	Cu.-N.
28	N	N	N	N	N	N	53.9	58.9	96.5	43.8	253.1	1	------	Cu.-N.	5	------	Cu.-N.
Mean	------	------	------	------	------	------	103.9	112.8	126.9	110.7	448.4	7.8	------	------	6.9	------	------

APARRI.

[$\phi = 18° 22'$ N; $\lambda = 121° 38'$ E; barometer above sea, 5 meters; gravity correction not applied, —1.57 mm.]

MARCH, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	61.31	61.73	63.36	61.69	61.41	62.45	21.2	20.8	25.9	26.5	23.7	22.8	27.5	20	89	91	62	57	64	73	2.1
2	61.56	61.73	63.94	62.31	62.04	63.23	22.5	21.5	21.2	22.5	21.5	20	24.4	19.4	72	78	78	68	72	83	4.3
3	62.40	62.30	63.96	62.66	62.11	62.93	20	20.7	22.6	22.4	21.4	21.4	23.8	19	83	76	69	69	75	74	------
4	62.04	62.03	63.04	60.69	60.20	61.53	20	19.3	24.3	26	24.2	22.2	27.7	18.8	81	86	64	65	68	82	------
5	60.83	61.16	61.96	59.49	59.54	60.81	20.7	20.4	25.3	29.5	26.3	23.8	30.1	19.5	90	91	70	54	66	78	------
6	60.12	60.31	61.57	59.01	59.59	60.84	21.6	21.2	25	29	25.5	24	29.5	20.1	86	85	70	71	70	85	------
7	60.53	60.68	61.95	59.94	59.81	60.95	22.7	22.4	25.4	27	24.5	22.5	29.2	21.3	90	92	79	74	83	94	------
8	60.74	61.03	61.96	59.46	58.72	60.21	21.8	20.9	25.9	29.1	25.6	22.7	30	19.5	93	90	66	59	82	92	------
9	60	60.32	61.68	59.61	58.60	59.90	21.2	20.6	25.9	28.6	25.6	23.7	30	19.5	93	89	66	59	74	85	------
10	58.88	58.98	60.38	58.49	59.26	60.77	21.3	21.1	25.8	29	25.7	24.5	30.9	20.1	88	88	64	59	77	86	------
11	60.53	60.88	62.53	60.91	61	62.52	23.2	21	25.5	28.4	26.5	24.9	29	20.4	85	96	86	68	67	80	2.1
12	61.37	61.26	62.67	60.59	60.65	62.79	23.7	22.7	24.4	27.3	26	24.4	30	22.3	89	96	85	76	76	82	------
13	61.63	61.78	62.74	59.96	59.66	61.39	23	22	26.8	29.6	27.6	24	32.3	21.1	91	89	69	55	71	88	------
14	60.78	60.92	61.89	59.34	57.95	59.21	23	22.9	28	29.6	26.5	24.6	30.9	21.6	91	90	68	64	79	85	------
15	59.05	59.50	60.76	58.21	58	59.19	23.2	22.3	27.6	28.8	27.4	24.6	30.9	21.9	90	93	69	67	78	93	------
16	58.50	58.65	60.41	58.59	58.67	59.99	22.8	22.6	27	30.1	26.7	25.8	31.3	21.6	93	93	56	68	77	87	------
17	58.98	59.52	61.01	59.26	58.59	60.16	24	23.6	27.5	29.5	27	24.9	30.8	23.1	95	97	77	68	80	92	------
18	59.28	59.53	60.16	59.26	59.01	60.94	23.2	23.2	27.9	29	27.6	25	30.6	22.3	93	92	69	73	70	81	------
19	60.83	61.50	63.28	61.50	61.37	62.99	24.2	23.9	24.6	24.4	23.1	21.8	25.9	21.1	82	79	72	71	80	82	.8
20	62.48	62.64	63.18	60.89	60.65	61.80	22.5	22.5	25	26.1	24	23.4	26.7	21.1	78	80	73	66	78	80	------
21	61.27	61.61	62.65	60.13	59.89	61.91	22.2	22	26.6	29.9	26.5	24.4	30.6	21.1	89	94	65	56	79	91	------
22	61.32	61.73	62.76	60.46	60.61	62.14	23.3	21.5	27	29.5	26.2	25.6	30.4	21	90	94	68	61	81	85	------
23	61.55	62.01	63.27	60.79	61.06	62.61	25.2	23.5	26.5	29.4	26.3	25.6	29.8	22.7	85	94	79	64	73	81	------
24	62.05	62.26	63.92	62.14	61.96	63.63	24	23.7	24.5	25.2	24	23.9	26.4	22.8	83	84	64	60	78	80	.5
25	62.72	62.28	64.07	62.47	62.73	64.35	23.6	23	23.6	24.6	24.1	24.2	25.5	22.3	80	83	81	71	78	75	1.5
26	63.41	63.48	64.77	63.16	62.98	64.71	23.9	24	25.5	25.7	24.6	24.5	27	23.1	74	74	70	67	75	78	------
27	63.88	64.02	65.52	63.77	63.66	64.84	24	23.8	26.4	26.6	25	24.5	29.5	22.2	79	78	67	69	77	83	.8
28	63.93	63.56	64.98	62.90	62.86	64.40	23.4	24	26.2	27	25.3	24.5	27.8	23	91	86	79	78	84	87	2.3
29	63.42	63.58	65.04	63.42	62.85	64.44	23.6	22.4	25.5	27.5	25.4	24.5	28.2	22	86	91	72	70	79	78	------
30	63.75	63.29	64.50	62.20	61.30	62.75	21.9	21.4	26	28.5	25.5	24.5	29.5	20.2	90	95	73	64	75	81	------
31	61.97	61.81	62.63	59.81	59.56	60.97	21.9	21.4	26.3	28	25.8	24.1	28.8	20	90	95	60	62	67	77	------
Mean	61.33	61.49	62.79	60.75	60.53	61.98	22.7	22.1	25.7	27.6	25.3	23.9	28.9	21.1	86.7	88.4	70.6	65.6	75.3	83.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	14.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	N	N	N	N	NE	67	82.7	101.7	115.4	366.8	8	----------	Cu.-N. N	3	----------	Cu.-N.
2	NE	NE	NE	NE	ENE	E	148.3	144.8	129.2	126.3	548.6	10	----------	Fr.-N. NE	10	----------	S.-Cu. NE
3	NE	E	E	E	E	E	71.1	69.8	134.4	88.4	363.7	10	----------	S.-Cu. E	10	----------	S.-Cu. E
4	E	E	E	E	E	E	34.8	70	103.1	62.1	270	10	----------	S.-Cu. E	2	----------	Cu.-N. S
5	E	E	S	E	SE	S	56.1	120	81.5	72.9	330.5	10	A.-Cu. SE	S.-Cu.	1	----------	Cu.
6	S	S	S	E	NE	NE	72.3	85.3	90.6	36.8	285	0	----------	----------	1	----------	Cu.
7	NE	NE	NE	NE	E	E	46.6	37.8	104.9	54.2	243.5	10	----------	S.-Cu.	1	----------	Cu.-N.
8	E	E	SE	E	E	E	37.8	81.8	93.9	50.2	263.7	0	----------	----------	0	----------	----------
9	E	E	SE	E	E	E	30.3	69.2	93.8	37.6	230.9	0	----------	----------	0	----------	----------
10	SE	SE	S	E	N	NE	65.2	118.4	84.4	48.2	316.2	0	----------	----------	1	----------	Cu.-N.
11	NE	NE	N	NE	ENE	E	33.7	38.3	115.7	116.9	304.6	7	----------	Fr.-Cu. N	0	----------	----------
12	E	E	E	E	E	E	44.9	37.7	73	39.7	195.3	10	----------	S.-Cu. SE	10	A.-Cu.	Fr.-Cu. S
13	E	SE	S	E	NE	NE	71.9	108.6	96.7	62	339.2	1	----------	S.-Cu.	0	----------	----------
14	NE	E	SE	E	E	E	47.8	102.8	96.4	42.5	289.5	0	----------	----------	0	----------	----------
15	E	E	E	E	NE	NE	48.8	68.5	91.2	42.9	251.4	0	----------	----------	0	----------	----------
16	SE	SE	S	N	N	N	56.1	108.1	87.9	26.6	278.7	0	----------	----------	0	----------	----------
17	N	N	N	N	NE	NE	19.9	35.7	82.9	62.6	201.1	10	----------	S.-Cu. W	0	----------	----------
18	NE	NE	S	N	N	N	66.8	47.5	138.1	147.9	400.3	1	----------	S.-Cu.	4	----------	Cu.-N. NE
19	N	NE	E	E	ENE	ENE	101.6	161.5	152.9	186.3	602.3	10	----------	S.-Cu. SE	10	----------	S.-Cu. E
20	E	E	E	E	E	E	86.8	46.7	133.6	65.9	333	10	----------	S.-Cu. E	10	A.-Cu. SE	S.-Cu.
21	E	E	SE	SE	E	E	30.7	54.2	76.6	36	197.5	10	A.-Cu. S	S.-Cu.	1	----------	Cu.-N.
22	E	E	E	E	E	NE	49.9	50.8	86.1	60.4	247.2	0	----------	----------	0	----------	----------
23	NE	NE	NE	NE	NE	NE	71.8	74.8	89.1	99.5	335.2	1	----------	Cu.-N. NE	0	----------	----------
24	NE	NE	NE	NE	E	E	171.4	166	151.3	142.4	631.1	10	----------	Cu.-N. NE	10	----------	S.-Cu. NE
25	NE	NE	NE	NE	E	ENE	156.9	122.3	104.4	120.6	504.2	10	----------	S.-Cu. ENE	10	----------	S.-Cu. ENE
26	ENE	E	E	E	E	E	131.5	132.3	137.9	121.5	523.2	10	----------	S.-Cu. E	10	----------	S.-Cu. E
27	E	E	E	E	E	E	65.4	60	116.4	121.2	363	10	----------	S.-Cu. E	10	----------	Cu.-N. S
28	E	E	E	E	E	E	103	42.1	124.5	115.9	385.5	10	----------	S.-Cu. E	10	A.-Cu. W	S.-Cu.
29	E	E	E	E	E	E	56.9	35.5	150.7	113.7	356.8	6	----------	S.-Cu. SE	6	----------	Cu.-N. SE
30	E	E	E	E	E	E	36.1	39.5	146.7	105.9	328.2	0	----------	----------	0	----------	----------
31	E	E	E	E	E	E	39.1	43.5	175.7	146.4	404.7	0	----------	----------	0	----------	----------
Mean	------	------	------	------	------	------	68.4	79.2	111.1	86.1	344.9	5.6	----------	----------	3.9	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	10,690.9	----	----------	----------	----	----------	----------

APARRI.

[$\phi = 18°\ 22'$ N; $\lambda = 121°\ 38'$ E; barometer above sea, 5 meters; gravity correction not applied, —1.57 mm.]

APRIL, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs, beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.38	60.51	61.11	59.09	58.63	60.70	22	21	26.6	28	25	24.2	29.8	19.4	89	95	65	66	72	75	------
2	60.36	60.53	61.59	59.89	59.69	61.43	23.9	21	27.5	28.5	25.2	24.6	29.4	20	74	93	65	63	69	69	------
3	61	61.61	62.76	61.49	61.41	62.42	20.9	21	27.5	28.5	25.3	25	29.5	19.2	94	93	60	66	74	80	------
4	61.91	61.20	62.57	60.31	60.22	61.19	24.1	22.7	25	27	25	23.7	28.7	22.2	82	92	88	78	86	85	5.1
5	60.27	60.37	61.22	59.35	59.34	60.67	23.1	22.5	28.5	27.6	26	24	30.8	21.5	89	90	64	70	71	86	------
6	60.28	60.83	62.09	59.99	59.81	61.20	22.8	22	26.7	28.6	25.5	24	29.9	21.4	89	93	71	63	75	77	------
7	60.27	60.46	61.63	59.85	59.21	60.95	21.8	20.6	24.3	26.4	25.8	23.7	29.7	19.9	87	94	81	73	64	77	.3
8	60.23	59.86	60.35	57.85	57.30	59.03	22.1	19.2	27.2	28.9	27.5	25	31.1	18.8	86	92	62	68	70	86	------
9	58.12	58.28	59.33	56.48	57.66	58.59	23.1	22.6	28.4	30.7	24	23.4	31.5	21.6	90	93	68	66	90	88	12.5
10	57.14	57.25	58.83	56.94	56.32	57.97	22.8	22.1	27.2	29.4	26.1	24.2	31.7	21.1	89	90	78	72	89	92	------
11	56.75	56.94	58.15	56.08	56.96	59.13	23.5	22.4	29.1	31	25.7	23.9	31.7	21.9	87	93	71	62	81	89	------
12	58.44	58.58	59.56	57.50	57.41	59.19	23.5	21.9	28.4	29.9	27.4	24.5	30.9	21.6	87	95	75	69	78	94	------
13	58.98	59.18	60.28	57.72	59.03	59.95	24.2	23	29.4	31.6	24.8	23.4	33.5	21.6	90	93	69	59	85	90	.5
14	59.17	58.90	59.70	58.05	58.04	59.45	23	22.4	27.5	29.5	26.5	25.2	30.2	21.6	91	95	75	70	79	83	------
15	58.45	58.59	59.69	58.29	58.30	59.61	24.7	22.6	27.6	29	25.9	25.4	29.5	22.1	82	93	68	63	69	73	------
16	59.03	59.39	60.21	57.90	57.43	59.29	25	25	26.6	27	25.5	25.1	28.5	24.4	76	78	71	71	80	81	------
17	58.77	59.13	59.81	57.38	58.05	59.35	23.8	23	28.5	29.4	25.5	25.5	30.7	22.1	85	90	70	69	86	83	20.3
18	59.09	59.65	61.01	60.07	60.73	62.26	23.8	23.4	23.9	23.6	22	21.5	25.3	21.3	85	86	81	85	89	92	1.9
19	60.61	60.53	61.24	60.01	59.99	61.61	22.4	23	26.8	26.5	25.5	25.2	28.9	21	92	90	77	80	86	88	------
20	60.85	61.15	61.96	60.45	60.64	62.29	24	24	28.5	28.2	27	25	30.4	23.5	95	96	78	87	83	94	------
21	62.19	62.45	63.56	61.26	61.16	62.49	24.8	22.7	28.4	30.5	26.6	25.8	30.6	22.4	88	96	75	71	83	84	------
22	61.55	61.66	62.41	60.05	59.88	61.30	24.2	23.2	28.1	29.1	26.3	25.5	------	22.6	82	89	70	74	85	89	.5
23	59.59	59.42	59.85	57.19	56.90	57.73	24	23.1	28.4	28.7	27.2	25.3	------	22.5	90	96	71	71	79	92	3.8
24	56.13	56.55	57.35	55.04	54.73	58.17	24.5	23.9	29	30.5	28.3	24	------	22.5	92	94	71	70	77	93	22.6
25	57.44	57.42	58.90	57.55	58.78	59.84	24.1	24	28.8	28.4	25.5	24.8	------	22.7	92	96	67	80	91	95	20.1
26	59.08	59.26	59.84	57.78	58.08	59.36	24.6	24.4	29.3	30.2	26	25.6	------	23.9	93	93	78	71	86	87	26.6
27	58.35	58.17	58.89	55.83	57.03	58.61	24.2	23.6	26.2	29	25	23.6	------	22.9	94	95	85	69	93	93	6.4
28	56.89	56.88	57.86	56.69	57.48	58.79	23	23	27.1	29.1	26.5	25.5	------	22.1	93	91	80	76	83	84	9.7
29	58.63	58.96	59.53	57.82	57.65	59.38	24	23.7	27.1	30	27	26	------	22.9	91	94	81	72	77	80	4.3
30	58.85	58.69	59.88	58.59	58.77	60.05	25	23.9	29.4	30	27.5	26	------	23.5	87	94	71	73	76	84	------
Mean	59.29	59.41	60.37	58.42	58.55	60.07	23.6	22.7	27.6	28.8	25.9	24.6	30.1	21.8	88	92.4	72.9	70.9	80.2	85.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	134.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1	E	E	E	NE	NE	E	32.7	57	157.4	158.8	405.9	0	----------	----------	0	----------	----------
2	E	E	E	NE	ENE	E	70.2	44.6	155	149.7	419.5	0	----------	----------	0	----------	----------
3	E	E	E	ENE	E	E	36.2	47.4	149.7	114.3	347.6	8	Ci. S	----------	7	Ci. S	Cu.-N.
4	E	E	SE	ENE	E	E	51.5	44.8	89.8	38.1	224.2	7	----------	S.-Cu. E	8	----------	S.-Cu. SE
5	E	SE	SE	NE	E	E	48.3	72.2	123.1	32	275.6	1	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.-N.
6	E	E	E	E	E	E	24	60.6	143.2	75.1	302.9	0	----------	----------	1	----------	Cu.-N.
7	E	E	E	SE	E	E	36.5	53.6	86.9	60.7	237.7	0	----------	----------	8	----------	Cu.-N. SE
8	E	E	SE	E	E	E	41.8	92.2	104.4	43.7	282.1	0	----------	----------	0	----------	----------
9	E	E	SE	NE	S	SW	46.5	98.5	88.2	110.8	344	0	----------	----------	1	----------	Cu.-N.
10	S	S	S	NE	NE	NE	99.8	121.5	94.6	73	388.9	0	----------	----------	1	----------	Cu.-N.
11	NE	NE	E	NE	N	N	42.5	51.5	79.4	46.4	219.8	4	A.-Cu. SW	S.-Cu.	1	----------	Cu.-N.
12	N	N	N	NE	NE	NE	42.9	49.4	101.7	71.3	265.3	0	----------	----------	1	----------	Cu.
13	NE	NE	SE	E	W	W	27.4	98.3	104.9	43	273.6	0	----------	----------	4	Ci.-S. W	Cu.-N.
14	W	W	W	N	N	N	44.2	54.4	91	102.2	291.8	0	----------	----------	7	----------	Cu.-N. SW
15	N	N	N	NE	NE	NE	57.1	63.1	105.7	108.4	334.3	4	----------	Cu.-N. E	9	A.-Cu. SW	Cu.-N.
16	E	E	E	E	NE	E	92.8	107.8	156.9	113.2	470.7	10	----------	S.-Cu. SW	10	Ci.-S.	Cu.-N.
17	E	E	E	NE	NE	E	38.4	33.5	114.3	107.7	293.9	0	----------	----------	1	----------	Cu.-N.
18	NE	NE	NE	NE	ENE	ENE	149.2	202.7	196	143.4	691.3	10	----------	Cu.-N. NE	10	----------	Cu.-N. NE
19	E	E	E	NE	NE	E	83.4	47.7	98.8	93	322.9	7	----------	Fr.-N. E	10	----------	N. E
20	E	E	E	NE	E	E	34	31.9	74.6	40.5	181	3	----------	S.-Cu. E	5	----------	Cu.-N.
21	E	E	E	E	E	E	25.2	51.2	128	130.1	334.5	8	Ci. S	S.-Cu.	8	Ci.-S. E	S.-Cu.
22	E	E	E	NE	ENE	E	34.3	63	130.4	103.3	331	9	Ci. SE	S.-Cu.	1	Ci.	Cu.-N.
23	E	E	E	E	E	E	14.6	103.6	145.8	53	317	7	Ci. SE	S.-Cu.	10	Ci.-S.	Cu.-N.
24	SE	SE	SE	E	E	SW	63.9	96.9	91.6	77.2	329.6	1	Ci.-S.	S.-Cu.	2	----------	Cu.-N. S
25	SW	SW	SW	NE	NE	NE	40.5	54.6	65.5	36.5	197.1	1	Ci.-S.	S.-Cu.	8	----------	N.
26	NE	NE	NE	NE	N	N	39.4	48.2	111	60.6	259.2	8	A.-Cu. SW	S.-Cu.	2	----------	Cu.-N.
27	N	NE	N	E	NE	SW	31.2	40.5	51	81.2	203.9	10	----------	S.-Cu. SW	4	A.-Cu. SW	Cu.-N.
28	SE	SE	SE	N	N	N	64.1	55.3	109.9	71.5	300.8	8	Ci. SW	S.-Cu.	4	Ci.-S. W	Cu.-N.
29	NE	NE	NE	NE	NE	E	53.7	38.9	90.1	105.5	288.2	10	----------	N.	4	A.-Cu. SW	Cu.-N.
30	E	E	E	NE	NE	NE	57.6	44.3	117	81.3	300.2	0	----------	----------	0	----------	----------
Mean	------	------	------	------	------	------	50.8	67.6	111.9	84.2	314.5	3.9	----------	----------	4.3	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	9,434.5	----	----------	----------	----	----------	----------

APARRI.

[$\phi = 18°\ 22'$ N; $\lambda = 121°\ 38'$ E; barometer above sea, 5 meters; gravity correction not applied, —1.57 mm.]

MAY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.76	59.94	61.09	59.24	59.17	60.80	23.6	23	28.8	29.5	26.8	25.8	30.6	22.2	93	97	73	69	74	76	------
2	60.24	60.32	60.98	59.15	59.02	60.43	24.3	23	28.3	28.9	26	25	30.3	21.5	85	93	68	65	70	80	------
3	59.90	59.90	60.23	58.59	58.45	60.34	22.1	21.6	28.1	29.2	26.5	25.4	30.5	21.2	92	95	66	58	71	76	------
4	60.02	60.15	60.62	58.81	58.88	60.78	23.5	22.5	28.7	30.7	28.7	25.4	31.8	22.1	87	94	66	63	61	80	------
5	60.64	61.04	61.19	59.14	58.77	61.13	24.3	23.5	30.2	31.1	28.3	26.1	32.6	22.1	87	92	68	70	78	89	------
6	60.30	60.64	60.50	58.47	58.04	59.97	24.7	24.3	30	31	27.7	26.3	32	24.1	92	96	69	72	79	82	------
7	59.18	59.33	60.02	57.81	58.04	59.83	25	24.2	29.2	30.1	27.2	25.9	32	23.6	90	95	74	69	78	93	0.8
8	58.16	58.07	59	57.14	58.58	60.13	23.6	23.2	29.2	28.2	24	23.9	32.6	22.1	93	95	72	78	85	94	40.9
9	59.15	58.98	59.30	58.14	58.90	61.40	23.7	23	27.5	27.6	24.5	24.2	31.9	22.4	92	93	80	81	86	88	28.7
10	58.93	58.68	60.29	58.35	59	60.55	23.3	23.5	27	30.5	24.5	24.2	31.2	22	93	92	78	63	92	93	6.4
11	59.15	59.26	59.78	58.04	59.18	60.68	23.7	23.9	28.3	31.3	28.1	25.2	32.5	23.1	92	91	77	67	78	90	------
12	59.53	58.97	59.65	57.44	58.42	59.15	23.8	24	28	31	29.1	27.1	33	23.2	93	93	77	64	72	82	------
13	58.86	58.90	59.37	57.16	56.93	58.34	25	24.6	28.4	31.9	29.2	24.9	33.2	24	91	90	78	61	75	84	------
14	58.03	58.12	58.29	57.11	57.64	59.10	24.3	24.7	29.8	31.9	25.6	24.5	33.7	23.6	89	90	73	68	82	87	------
15	58.34	58.28	58.78	57.69	58.47	60.33	23.6	23.8	29.7	31	28.3	25.2	32.6	22.6	90	90	71	69	80	93	15.2
16	59.71	59.49	59.62	57.39	57.39	58.56	24	24.5	28.6	30.4	28.3	25	31.5	23.5	95	94	76	73	81	83	------
17	57.91	58.26	58.49	56.31	57.49	58.93	24.4	24.2	29.6	31.4	28.4	26	33.7	23.5	87	88	70	70	77	80	------
18	57.71	57.50	57.71	55.98	56.42	58.08	24.7	24.5	27.9	30	28	27	33.2	24.2	89	91	81	69	81	86	------
19	57.62	57.70	57.84	56.18	56.81	58.07	24.8	24.5	28.9	30.1	26.5	25.1	33.2	23.7	90	92	75	71	83	92	------
20	57.43	57.56	57.50	56.53	56.89	58.48	24.5	24.4	29.9	30.6	30	27	32.6	24	92	91	71	68	70	90	------
21	57.67	58	58.28	56.28	56.95	58.64	25	24.5	30.1	31.4	29.2	28	33	24.1	89	91	69	63	72	82	------
22	56.99	57.52	58.03	55.68	57.08	59.03	25.5	24.8	30.1	31.2	29	26	34	24.5	88	92	72	75	75	81	------
23	57.66	57.75	57.79	56.01	56.43	57.32	24.3	24.2	29.4	32.9	29.5	26.6	34	23.6	87	88	72	58	73	90	------
24	56.45	56.40	56.82	55.16	57.08	57.95	25.3	24.8	30.4	32.6	25.4	24.2	33.8	23.5	89	89	72	68	87	92	2.5
25	57.46	57.61	58.05	56.21	57.01	58.47	23.9	23.5	29.5	32.5	26.5	25.2	34	22.6	92	94	70	62	80	90	------
26	57.58	57.48	58.17	57.01	57.77	59.65	24.8	25	30.6	32.8	29.6	24.9	34.6	24	92	90	68	62	75	92	42.9
27	58.59	58.41	58.45	56.99	57.90	59.15	24.3	25	28.5	32.6	29.5	27	33.4	24	96	95	80	63	77	90	------
28	57.88	58.13	58.39	55.93	56.51	57.75	25.2	25	29.2	32.5	29.8	26.2	33.7	24.1	92	93	78	65	70	89	------
29	56	56.43	56.37	55.40	55.23	56.91	25.4	25.2	30.5	32.2	27.8	26.2	34.5	24.4	92	92	70	73	79	89	------
30	56.62	56.33	57.13	56.30	57.92	58.95	25.2	25	29.5	32.1	28.5	26.2	33.5	24.1	88	90	78	71	76	89	------
31	58.06	58.56	59.17	58.17	58.13	59.90	24.7	24.5	28.9	30.9	30.5	25.9	33.2	23.8	87	89	75	70	72	91	------
Mean	58.44	58.51	58.93	57.22	57.76	59.32	24.3	24.1	29.1	31	27.8	25.7	32.8	23.3	90.5	92.1	73.1	67.7	77.1	86.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	137.4

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	E	ENE	NE	ENE	E	36.7	44.8	125.3	103	309.8	1	----------	Cu. E	0	----------	----------
2	E	E	E	NE	E	E	34.9	71.9	135.9	115.1	357.8	0	----------	----------	0	----------	----------
3	E	E	E	E	E	E	45.9	60.7	144.3	92.2	343.1	0	----------	----------	1	----------	Cu.
4	E	E	SE	E	E	E	53.9	65.2	112.7	66	297.8	0	----------	----------	0	----------	----------
5	E	E	SE	E	E	E	29.5	66.8	122	60.9	279.2	0	----------	----------	0	----------	----------
6	E	E	E	NE	E	E	42.3	56.8	120.1	105.9	325.1	3	----------	S.-Cu. E	0	----------	----------
7	E	E	E	NE	NE	NE	41.3	41.3	96.1	69.2	247.9	1	Ci.-S. W	S.-Cu.	9	Ci.-S. W	Cu.-N.
8	SE	SE	S	NE	E	E	54.2	98.8	111.6	64.3	328.9	2	Ci.-S. W	S.-Cu.	2	----------	Cu.-N.
9	E	SE	S	NE	N	N	83.7	123.9	70.5	74.5	352.6	10	----------	S.-Cu. SW	7	----------	Cu.-N. N
10	SW	S	S	S	S	S	81.3	105.6	64.9	62.6	314.4	10	Ci.-S. W	S.-Cu.	3	Ci.	Cu.-N.
11	S	S	S	E	NE	SW	64.3	93.6	75.6	52.2	285.7	10	A.-Cu. W	S.-Cu.	1	----------	Cu.-N.
12	SE	SE	S	NE	NE	NE	87.4	131.5	91.7	63.1	373.7	0	----------	----------	0	----------	----------
13	NE	NE	SE	S	E	SW	58.4	97.5	94	69.3	319.2	0	----------	----------	1	----------	Cu.
14	SW	SW	SE	NE	SE	S	49	82.4	94.4	46.8	272.6	7	----------	Cu.-N. S	1	----------	Cu.-N.
15	S	SE	S	ENE	NE	W	65.1	59.2	89.8	58.6	272.7	0	----------	----------	0	----------	----------
16	S	SE	SE	E	E	S	59.4	80	94.7	59	293.1	10	Ci. N	S.-Cu.	3	Ci.-S. N	Cu.-N.
17	SE	SE	SE	SE	NW	N	56.9	87.5	91.2	84.4	320	0	----------	----------	6	Ci.-S. W	Cu.-N.
18	W	S	SW	N	NE	W	62.9	83.7	71.6	55.2	273.4	10	Ci.-S. W	S.-Cu.	10	Ci.-S.	S.-Cu.
19	SW	S	S	E	W	SW	67.9	131.8	98.8	61	359.5	4	Ci.-S. NW	S.-Cu.	1	----------	Cu.-N.
20	S	SE	SE	E	NE	NW	58.4	101.3	96.9	75.9	332.5	0	----------	----------	0	----------	----------
21	SW	S	SE	ENE	NE	W	43.2	51.2	84	48.3	226.7	0	----------	----------	7	Ci. NE	Cu.-N.
22	E	SE	SE	E	NW	S	66.6	90.7	90.9	83.1	331.3	6	Ci.-S. N	S.-Cu.	0	----------	----------
23	SW	SW	SW	NE	W	S	89.6	92.3	80.5	51.2	313.6	8	A.-Cu. SW	Cu.-N.	7	Ci. N	Cu.-N.
24	SW	S	SW	N	S	S	54.5	70.9	80.8	83.2	289.4	0	----------	----------	1	----------	Cu.-N.
25	SW	SW	SW	N	W	SW	58.5	89.4	83.8	59.8	291.5	3	Ci. N	S.-Cu.	1	Ci. N	Cu.-N.
26	SW	SE	S	NE	N	NW	51.3	56.9	92.6	83.4	284.2	1	A.-Cu. SW	S.-Cu.	1	Ci.	Cu.-N.
27	SW	SE	SE	N	NE	W	84.2	109.2	72.7	62.8	328.9	6	Ci. S	Cu.-N.	1	----------	Cu.-N.
28	SW	SSE	SE	SE	N	SW	81.8	123.1	79.1	46	330	1	Ci.-S.	Cu.	8	Ci. W	Cu.-N.
29	S	SE	SE	NE	SE	SW	56.9	92	93.6	53.7	296.2	8	A.-Cu. W	S.-Cu.	9	----------	Cu.-N. W
30	SE	S	SE	NE	W	SW	99.1	80.8	94.4	54.7	329	8	Ci.-S. E	S.-Cu.	4	Ci.-S. E	Cu.-N.
31	SE	S	SE	NE	S	E	106.2	109.4	73.4	27.9	316.9	1	Ci.-S.	Cu.	1	Ci.-S.	Cu.-N.
Mean	------	------	------	------	------	------	62.1	85.5	94.4	67.5	309.6	3.5	----------	----------	2.7	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	9,596.7	----	----------	----------	----	----------	----------

APARRI.

[ϕ=18° 22′ N; λ=121° 38′ E; barometer above sea, 5 meters; gravity correction not applied, −1.57 mm.]

JUNE, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*P.ct.*	*mm.*
1	59.30	59.19	59.02	57.74	57.70	59.29	25.5	26.2	30	32.5	30	26.9	33.2	24.6	88	85	68	63	74	86	------
2	58.88	59.31	59.31	57.54	57.61	59.04	25.7	25.9	30	33.5	30.9	28.6	35	24.4	89	88	68	62	71	86	------
3	58.80	59.35	59.41	58.46	58.89	60.19	27.1	26	30.7	33	30	28	33.9	25.1	83	86	65	61	69	86	------
4	59.29	59.80	59.73	58.67	58.46	60.27	26	25.5	30.5	32.5	30	27	34.2	24.7	85	88	65	60	71	87	------
5	60.00	60.15	60.17	58.18	58.28	60.38	25.6	25.4	32	32.5	29.8	25	33.9	24.1	92	93	63	63	63	83	------
6	60.08	60.25	59.76	57.76	57.91	59.52	25.2	25.6	30	32.2	29.5	26	33.6	24.2	86	87	69	59	58	78	------
7	59.25	59.54	59.49	57.82	57.04	59.10	25.4	24.4	30.6	31.5	29	27.4	33.1	23.6	80	88	67	66	74	83	------
8	58.48	58.76	58.76	57.26	56.55	58.52	25.5	24.6	30.9	32.8	30.6	28.5	35.2	24.4	88	92	67	65	62	74	------
9	58.29	59.14	59.49	57.74	57.72	60.09	26.4	26.4	31.8	32.9	30.8	27	35	25.6	87	87	65	63	63	83	------
10	59.80	60.23	60.77	58.92	58.67	60.43	26.7	26	31	32.4	30.2	28	34.2	24.6	83	86	66	71	73	81	------
11	59.89	60.13	60.52	58.72	58.30	60.19	26.4	25.2	30.6	29.5	29.9	27.1	32.2	25	86	93	72	77	72	90	1.3
12	58.84	59.05	59.34	57.13	56.50	58.47	25.5	25.2	30.3	31.9	30.2	26.6	35.8	24.4	91	92	70	66	65	78	------
13	57.86	58.32	58.12	56.90	56.78	59.15	25.8	25.5	30.9	32.1	30.5	27.2	34.2	25	84	86	64	69	74	79	------
14	58.51	58.67	58.53	57.68	57.87	59.76	26	26	30.5	31.6	29.8	28.2	33.4	24.6	89	86	71	66	76	65	22.4
15	58.17	58.52	58.42	57.16	55.86	57.35	25.8	25.1	30.9	32.4	30.9	27	35.7	24.6	90	95	70	67	75	90	------
16	56.23	56.08	55.92	54.43	54.23	55.27	26.5	25.5	30.9	32.8	29.9	27.3	34.6	25	88	93	69	67	75	88	------
17	53.76	53.80	53.72	52.25	52.76	53.58	26.1	25.4	29.9	31.4	30.1	26.9	33.3	25.1	91	93	72	70	72	77	------
18	52.32	52.95	53.15	52.19	52.62	54.04	25.8	25.2	31.3	32.2	30.5	25	33.6	24.3	90	94	66	64	77	87	3.8
19	53.59	53.73	54.23	52.62	54.50	55.21	24.1	23.4	29.5	31.4	24.9	25.2	33.3	22.9	94	95	71	68	92	92	21.6
20	54.45	54.58	54.47	54.06	54.79	56.48	25.9	25.6	29.5	31	29.5	26.8	31.5	24.6	85	82	68	65	66	82	------
21	56.37	56.95	56.93	56.51	57.63	58.61	26.3	26.2	29.3	32.8	28.2	25.9	34	23.9	76	76	66	59	74	88	------
22	59.01	59.48	59.68	58.34	59.39	61.38	25.4	25	30.5	33.7	30	28.8	35.5	23.1	88	87	66	51	69	79	------
23	60.17	60.30	60.21	59.13	58.80	60.38	27	25.8	31.1	32.2	30.6	29	33.5	25.1	84	89	69	68	70	79	------
24	58.90	58.72	58.53	56.81	56.11	57.25	26.8	26.2	30.6	32.2	30.2	28	34.1	25.6	90	92	73	67	75	91	------
25	56.44	56.17	56.32	54.60	54.48	55.72	27	26.3	30	33.1	30.8	27.1	34.2	25.8	84	88	75	63	73	88	------
26	55.50	55.67	55.75	54.51	54.53	56.14	27.7	25.7	30.4	32.5	30.6	28.5	34	24.9	82	81	63	67	67	80	------
27	55.03	54.79	55.74	54.78	55.01	57.34	27.5	27.6	31.1	32.9	30.5	25.8	34.2	25.8	82	81	66	60	72	78	------
28	56.47	56.57	56.77	55.68	56.49	58.42	25.4	25.1	30.4	32	29.8	26.8	33.5	24.6	80	83	72	66	75	87	2.3
29	57.27	57.57	57.58	56.18	55.79	56.71	25	24.6	29	29.2	28.2	26.2	32.6	24.1	90	93	76	72	76	92	18.8
30	56.15	56.36	55.89	54.39	54.12	54.67	25.3	25	28.2	31.4	30.2	28.2	32.6	24.1	91	92	80	73	69	76	13.9
Mean	57.57	57.80	57.86	56.47	56.51	58.10	26	25.5	30.4	32.1	29.9	27.1	33.9	24.6	86.5	88.4	68.7	65.3	71.4	83.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	84.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SE	SE	SE	E	SE	SW	54.7	74.5	68.6	67.7	265.5	6	Ci.	S.-Cu.	5	----------	Cu.-N. SE
2	SE	SE	S	S	NW	NW	60.9	139.2	105.5	77.5	383.1	0	----------	----------	0	----------	----------
3	W	SSW	S	N	NE	N	42.6	46.4	90.2	72.5	251.7	2	----------	Cu.-N.	0	----------	----------
4	NE	SE	SE	NE	NE	SW	73.1	111.1	92.8	64.5	341.5	0	----------	----------	1	----------	Cu.-N.
5	SW	S	SE	NE	E	S	35.3	64.9	120.7	55.6	276.5	0	----------	----------	1	----------	Cu.-N.
6	S	W	E	E	E	S	29.3	72.9	139.7	55	296.9	3	Ci. E	Cu.	7	Ci. E	Cu.-N.
7	S	W	NE	E	NE	E	35.3	45.1	99	74.8	254.2	0	----------	----------	1	Ci.	Cu.-N.
8	S	SE	SE	E	E	E	58.5	53.1	97.3	83.7	292.6	0	----------	----------	0	----------	----------
9	S	S	E	E	E	E	43.1	71.6	113.2	66.8	294.7	0	----------	----------	0	----------	----------
10	SE	SE	SE	NE	NE	SE	40.1	72.7	113.6	76.5	302.9	0	----------	----------	0	----------	----------
11	SW	S	SE	S	E	S	36.1	43.2	47.3	25.9	152.5	0	----------	----------	7	Ci. SE	Cu.-N.
12	S	SE	S	E	E	S	62.1	71.3	89.1	56.3	278.8	0	----------	----------	1	----------	Cu.-N.
13	S	S	S	NE	NE	NW	61.2	104.9	98.8	47.6	312.5	0	----------	----------	5	Ci. E	Cu.-N.
14	W	S	SE	NE	N	N	67.1	76.5	126.4	55.7	325.7	0	----------	----------	0	----------	----------
15	W	S	S	N	N	SE	53.6	46.5	104.4	47.2	251.7	0	----------	----------	1	----------	Cu.-N.
16	SW	SW	N	N	N	NW	48.6	50.8	173.6	108.6	381.6	7	Ci. E	Cu.-N.	7	A.-Cu. W	S.-Cu.
17	W	S	SW	N	SE	SW	62.8	89.3	62.5	44.4	259	10	Ci.-S. E	S.-Cu.	8	Ci. E	Cu.-N. W
18	SW	SE	S	NE	N	S	66	77.5	87.6	107.3	338.4	1	Ci.-S.	S.-Cu.	8	Ci. E	Cu.-N.
19	S	S	S	NE	S	S	60.7	97.6	114.9	75.1	348.3	7	Ci. E	Cu.	1	----------	Cu.-N.
20	S	S	S	S	S	S	120.1	153.7	129.5	38.1	441.4	10	----------	S.-Cu. S	10	----------	S.-Cu. S
21	S	S	S	SE	W	S	86.6	140.5	124.8	44.2	396.1	10	A.-Cu. SW	S.-Cu.	4	A.-Cu. S	S.-Cu.
22	S	S	S	S	NE	NE	55.6	104.6	97.4	72.5	330.1	0	----------	----------	0	----------	----------
23	NW	W	NW	NE	N	N	52.4	52.8	108.3	74.1	287.6	0	----------	----------	0	----------	----------
24	W	SW	S	NE	N	S	53.1	66.8	116.9	72.2	309	7	Ci. E	----------	7	Ci. E	Cu.-N.
25	SW	W	S	N	N	SE	38.3	45.6	78	54.9	216.8	2	Ci. E	S.-Cu.	1	----------	Cu.-N.
26	SW	SSW	S	N	NE	S	43	75.9	76.2	49.9	245	10	Ci.-S. E	S.-Cu.	7	Ci. E	Cu.-N.
27	SW	SE	NW	N	W	S	92.8	77.2	90.9	94.1	355	8	A.-Cu. E	S.-Cu.	1	Ci.	Cu.-N.
28	S	S	S	NW	N	SW	89.4	92.4	107.3	78.1	367.2	4	A.-Cu. E	S.-Cu.	2	Ci.	Cu.
29	S	SW	SW	SE	SE	SW	62.8	73.2	63.6	37.5	237.1	10	Ci. E	Cu.	6	Ci. E	Cu.-N.
30	NW	SW	N	NE	NE	NE	75.3	56.8	78.9	68.9	279.9	9	----------	Cu.-N. E	1	Ci.	Cu.-N.
Mean	------	------	------	------	------	------	58.7	78.3	100.6	64.9	302.4	3.5	----------	----------	3.1	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	9,073.3	----	----------	----------	----	----------	----------

APARRI.

[$\phi = 18°\ 22'$ N; $\lambda = 121°\ 38'$ E; barometer above sea, 5 meters; gravity correction not applied, —1.57 mm.]

JULY, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	53.99	54.62	53.98	52.70	52.14	52.73	27.2	25.6	29	28	28.9	27.4	31.6	25.1	83	93	78	86	74	76	5.4
2	50.36	50.15	51.69	51.80	53.03	56	26.9	26.9	30.1	31	28.9	25.8	33.2	25.2	77	76	64	62	68	84	------
3	55.70	55.90	56.69	55.35	55.98	58.88	26	25.5	28.2	32	29.8	26.4	33.6	25.1	81	84	83	72	75	90	------
4	58.09	57.93	58.58	57.25	59.33	60.36	25.3	25	29.5	31.2	24	24.5	33	22.8	84	83	71	71	96	92	44.2
5	59.01	59.09	59.90	57.70	58.10	60.18	22.5	23	28.5	30.4	29.5	26.2	32.4	22	96	95	81	74	77	89	------
6	59.25	59.40	59.65	57.93	57.28	58.95	24	23.5	29.5	31.9	29.5	26.9	32.3	23	91	92	75	73	72	80	------
7	58.52	58.77	58.68	57.75	57.12	58.85	25	24.2	30.1	31.5	29.4	25.7	33.2	22.6	88	91	70	57	68	89	------
8	57.98	58.11	58.49	56.86	56.56	58.02	24.2	24.4	30.5	31.7	31	28.2	33.4	23.3	94	93	71	65	65	80	------
9	57.31	57.18	57.80	56.37	56.48	57.93	26	25.2	30.4	31.5	28.9	25.8	32.7	24.6	90	93	72	72	77	87	------
10	57.20	57.41	57.90	56.37	56.18	58.25	24.5	24.1	29.9	31.5	29.1	27	33.2	23.3	91	92	66	69	77	88	------
11	57.51	57.37	58.14	56.17	56.93	58.86	24.8	25.2	30.6	32.4	29.6	27.6	34.7	24.1	89	88	71	67	77	84	------
12	58.20	58.45	58.39	57.32	57.05	58.60	25.8	25.5	29.2	31.6	29.2	28.2	32.4	24.6	88	88	74	71	75	80	18
13	57.20	57.80	56.89	55.24	54.85	54.90	26.4	24.5	26.9	29.8	26.4	25.9	31.3	23.4	89	96	85	76	87	93	57.6
14	51.60	50.50	49.17	46.72	44.87	43.71	25.5	27	27.4	26.9	26.2	26.4	29.6	24.9	94	86	90	90	94	89	36.1
15	40.30	41.68	42.94	42.46	44.27	46.38	25.8	22.4	25	25.5	23.3	22.8	28.3	22.1	90	92	83	81	92	95	47.2
16	46.83	46.99	48.83	48.63	49.57	52.24	22.8	22.9	23.1	24.4	24.6	24	25.7	22	95	92	95	91	85	90	18.9
17	51.85	52.71	53.28	53.34	53.02	54.52	23.6	23.5	26.6	27.5	25.5	24.2	29.6	22.9	90	91	82	77	90	95	------
18	53.77	54	54.44	53.67	54.55	55.61	24.5	24.4	28.1	26	24.5	23.7	31.9	23.1	94	95	79	92	94	96	19
19	54.91	55.08	55.02	53.87	54.15	56	23.9	24	26.1	29.6	27.2	25.2	31.6	23.1	94	95	88	74	87	93	9.4
20	55.45	55.60	55.68	54.53	53.98	55.56	24.8	24.5	28.1	28.5	28.2	25.9	31.2	23.9	95	96	82	85	74	87	------
21	54.35	54.03	54.28	52.67	52.12	54.02	25	24.5	29.3	30	28.9	25.5	32.2	23.9	90	89	69	67	70	86	------
22	52.97	53.37	53.35	51.08	50.68	52.09	24.6	25.5	30	30.4	29.2	27.2	31.7	24	91	83	72	69	72	87	------
23	50.70	50.91	51.29	49.70	50.45	52.24	25.9	25.2	30.5	31	27.5	24.5	32.2	23.6	91	93	72	68	90	94	53.1
24	50.10	50.59	51.11	50.08	49.83	50.75	24.9	25.2	28	28.4	26.3	26.2	30.6	24	88	87	82	82	86	94	1.1
25	49.13	49.01	49.41	49.24	49.70	51.25	26	25.6	29.2	29.5	27	24.5	31.2	23.1	90	93	76	74	84	92	16.2
26	51.11	51.19	51.66	51.69	52.61	54.55	25	25.2	29.6	29.5	26.5	26.8	31.6	23.5	90	92	74	81	90	92	.8
27	54.85	55	56.44	55.92	56.47	58.07	25.9	26	28.6	31.1	26.6	25.3	32.3	24.8	88	88	83	75	94	91	75.4
28	56.97	56.91	57.87	57.24	56.73	58.26	24.9	25	27	29.9	28.8	26.9	30.7	23.9	92	92	86	76	79	91	------
29	56.87	56.52	56.73	55.53	55.16	56.72	25.4	25	29	30.9	28.7	28	32.6	24.5	92	93	79	71	78	83	------
30	55.60	55.62	56.01	55.38	54.68	55.73	27.1	25.2	28.6	31.5	29	27.9	32.6	24.6	83	92	80	72	74	84	.5
31	54.26	53.81	53.70	52.86	50.99	50.02	26.4	26.3	27	25.7	26	26.3	28.5	24	92	93	90	95	90	86	103.7
Mean	54.26	54.38	54.77	53.66	53.71	55.17	25.2	24.8	28.5	29.7	27.7	26	31.6	23.7	89.7	90.5	78.2	75.3	81	88.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	506.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	NW	NE	NE	ENE	E	39.5	80.8	136.2	153.7	410.2	10	------	Fr.-N. NE	10	------	Cu.-N. NE
2	E	SE	SE	SE	SE	SE	171.9	156.4	187.3	64.4	580	10	------	S.-Cu. SE	10	Ci.-S.	S.-Cu. SE
3	SE	SE	S	SE	SE	NW	112.4	106.2	55	74.1	347.7	10	------	S.-Cu. SE	9	A.-Cu. S	S.-Cu. S
4	NW	SW	S	N	W	NW	76.2	100.3	104.1	48	328.6	5	A.-Cu. S	S.-Cu.	3	Ci.	Cu.-N.
5	W	S	W	E	NE	S	33.8	50.9	89.5	70.1	244.3	1	Ci. E	S.-Cu.	3	Ci. NE	Cu.-N.
6	S	S	S	NE	NE	E	37	56.3	100.4	78.1	271.8	0	------	------	1	------	Cu.-N.
7	SW	S	S	ENE	NE	SW	42.3	54.8	109.4	67.7	274.2	0	------	------	0	------	------
8	SW	SE	S	NE	NE	NE	54.8	65.7	79.4	72.5	272.4	0	------	------	0	------	------
9	SW	SW	N	NW	NNW	NW	72.1	54.4	169.8	129.4	425.7	0	------	------	1	------	Cu.-N.
10	SW	S	S	N	NW	NW	49.9	61.3	159	134.6	404.8	3	Ci. E	Cu.	8	Ci. E	Cu.-N.
11	NW	SW	S	NE	NE	E	43.8	91.1	99.5	58.5	292.9	10	Ci.	------	7	Ci. E	Cu.-N.
12	SE	SE	SE	NE	NE	N	61.1	59.5	77.4	78.9	276.9	10	Ci. S	S.-Cu.	10	Ci.-S.	Cu.-N.
13	NE	SE	W	NNW	N	N	51.8	58.7	125.5	148.1	384.1	2	------	Cu.-N. NE	10	Ci.-S. E	Cu.-N.
14	N	N	NNE	NE	NNE	NE	186.4	181.8	226.9	208.4	803.5	10	------	N. N	10	------	N. NE
15	NE	E	S	S	S	S	185.2	207.6	292.1	222.1	907	10	------	N.	10	------	S.-Cu. S
16	S	S	S	S	S	S	115.9	125.5	104.6	79.4	425.4	10	------	N.	10	------	N.
17	S	S	S	SW	SW	SW	48.6	57.4	61.4	25.6	193	10	------	S.-Cu. S	10	------	S.-Cu.
18	SW	SW	SW	E	W	SW	53.6	47.5	42.6	22.5	166.2	10	A.-Cu. S	S.-Cu.	10	------	N. SW
19	SW	SW	SW	W	E	SW	32.2	86.4	60.9	55.8	235.3	10	------	S.-Cu. S	10	A.-S.	S.-Cu.
20	SW	W	N	NNW	SE	S	25.8	34.4	49.6	------	------	3	Ci.-S.	S.-Cu.	8	Ci.-S.	S.-Cu.
21	S	S	S	NE	E	SW	------	------	72.7	58.7	------	3	A.-Cu. S	S.-Cu.	8	Ci.	Cu.-N.
22	SW	SW	SW	NE	ENE	SW	44	47.7	89.3	40.5	221.5	3	A.-Cu. SE	S.-Cu.	0	------	------
23	SW	W	S	NE	SW	SW	35.9	57	67.9	43.4	204.2	8	A.-Cu. SE	S.-Cu.	3	Ci.	Cu.-N. SW
24	S	S	S	S	S	SW	122.8	112.1	71.6	27.3	333.8	10	------	S.-Cu. SE	10	------	N. S
25	SW	SW	S	SW	SW	S	61.2	125	90.1	62.5	338.8	7	A.-Cu. S	S.-Cu. SW	10	------	S.-Cu. SW
26	S	S	S	NW	E	SE	38.8	61.5	107.8	39.7	247.8	10	------	S.-Cu. SW	4	A.-Cu. SW	S.-Cu.
27	S	S	SSW	SE	E	W	62.8	62.5	70.3	67.9	263.5	9	A.-Cu. S	S.-Cu.	8	------	Cu.-N. E
28	SE	SSE	S	NE	NE	W	48.8	65.7	60.9	31.7	207.1	10	------	N. S	10	Ci.-S.	Cu.-N.
29	S	S	S	NE	NE	ENE	34.3	45.4	78.3	42.8	200.8	8	Ci. E	Cu.-N.	1	------	Cu.-N.
30	W	SSW	NNW	NE	NE	N	45.6	52.6	74.3	57.6	230.1	2	Ci. E	Cu.-N.	8	Ci.-S. SE	Cu.-N.
31	E	NW	NW	NNW	NW	NW	102.8	165.7	221.4	250.7	740.6	10	------	N. N	10	------	N. NNW
Mean	------	------	------	------	------	------	69.7	84.4	107.6	83.8	352.8	6.6	------	------	6.8	------	------

APARRI.

[$\phi = 18°\ 22'$ N; $\lambda = 121°\ 38'$ E; barometer above sea, 5 meters; gravity correction not applied, −1.57 mm.]

AUGUST, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	46.54	41.83	42.50	45.11	48.73	50.80	26.4	25.4	23.8	23.9	24	24.3	28.2	22.2	86	85	91	91	86	87	123
2	51.59	51.75	53.40	52.36	53.61	56.21	23.8	24.8	28.1	31.8	26.4	24.3	32.8	22.7	85	81	74	64	87	96	46
3	54.86	54.67	54.40	53.30	53.85	55.44	24	24	28.4	32	27.9	26	32.6	23.7	93	93	80	66	85	88	10.7
4	54.92	54.85	55.20	54.02	54.43	56.07	25.8	25	28.8	30	26.5	25	32.9	24.1	88	94	82	80	91	94	8.4
5	55.28	54.78	55.04	54.72	55.70	57.18	25.1	25	28.2	31	29.2	27.1	32.6	24.3	92	93	84	75	78	93	.3
6	56.17	56.32	57.14	55.88	56.02	57.49	25.8	25.1	29.2	31.4	30.9	27.9	32.5	24.5	85	92	74	72	71	84	------
7	56.25	56.33	56.65	55.98	55.77	56.62	27.2	25.9	30.3	31.5	28.8	27.9	32.6	25	83	88	66	72	76	90	------
8	55.58	54.68	55.04	53.73	52.76	53.61	26.4	24.9	29.2	30.9	29	27.2	32.5	24.1	90	91	72	66	83	81	------
9	53.06	52.77	52.46	51.68	50.85	51.81	25.9	25.8	29.6	29.6	28	26.4	30.2	25.2	93	95	72	70	83	94	.9
10	50.87	50.84	51.16	50.72	51.08	51.33	25	24.6	26.4	27.1	24.9	24.4	28.9	24.1	92	91	85	83	95	95	16.5
11	51.03	50.73	51.74	52.01	52	53.66	24.5	24.4	25.9	25.8	26	25.2	27	23.6	94	95	88	91	90	95	1.1
12	52.47	52.64	53.27	53.70	53.29	54.19	24.8	24.4	28.6	25.5	24.8	24.3	30.5	23.5	85	87	73	89	92	93	9.7
13	52.93	53.13	53.19	51.82	51.74	53.18	24	24	27.9	30	26.2	25.6	30.5	23.6	93	94	83	66	85	88	.3
14	51.72	51.58	52.36	52.26	52.81	53.95	24.4	24.3	29.1	28.8	27	25.7	29.7	23.6	91	91	74	71	84	86	1.8
15	54.06	54.31	55.28	55.39	55.55	57.05	25.7	25	29.7	27.5	26.8	26	32.6	24	86	86	72	80	90	90	.8
16	56.95	57.31	57.68	57.11	57.02	58.29	24.8	24.6	29.2	31	27.8	26	32.2	23.9	90	92	74	69	83	90	------
17	57.20	57.65	57.53	55.70	56.10	57.66	25.1	24.2	29.5	32.5	24	24.4	33.3	23.1	92	95	77	60	91	95	40.1
18	56.11	55.79	55.90	54.40	55.25	56.13	24	23.9	28.4	28.5	24.4	24.5	31.5	23.2	91	91	78	75	92	94	18
19	54.70	54.67	55.45	54.56	55.13	56.38	23.9	23.5	28.4	30.2	26	24.7	32	23	92	91	78	74	87	92	2.5
20	55.72	55.92	56.89	55.69	54.84	57	24.5	24.4	26.9	28	26.8	25.9	28.6	23.7	94	93	84	79	80	91	------
21	56.13	56.26	56.83	55.25	55.25	56.28	24.7	24.5	28.8	30.3	28	26.9	31.2	24.1	92	94	75	73	81	86	------
22	55.92	56.03	56.40	55.09	54.86	56.90	25.2	24.5	30.3	31.6	28.8	26.9	32	23.9	90	94	69	72	78	85	------
23	56.22	56.13	56.28	55.73	55.81	57.33	25.2	24.5	29.8	31.9	28.7	27	32.6	24.3	92	94	69	70	74	84	------
24	55.82	55.63	55.74	53.10	53.26	53.37	25.8	25.7	25.5	26	25.6	27.1	28	24.1	89	91	93	92	87	89	67.8
25	51.91	50.67	50.69	48.16	46.56	46.99	25.1	26.5	27.4	28.4	27.8	24.4	30	24	91	86	89	85	86	95	141.3
26	45.14	45.38	46.47	46.64	48.41	49.96	24.2	23.8	24.4	26.5	25.5	25.2	30.4	23.3	94	95	91	82	93	85	8.4
27	50.18	51.47	53	52.30	53.08	55.08	25.8	24.5	27.9	30.6	27	26.2	31.6	24.1	79	82	75	69	81	78	------
28	54.93	55.17	55.89	55.13	54.85	55.75	25.9	24.1	28.8	31.1	28	25.8	33.1	23.6	78	84	76	73	82	95	------
29	54.62	54.63	55.14	53.25	53.16	54.08	25	24.5	30.1	32	29.2	26.4	32.8	24.1	93	94	72	63	71	90	------
30	53.21	53.22	53.73	52.88	52.75	53.12	25	24.5	29.5	30	25.5	25	31.8	23.6	90	89	70	75	88	85	.5
31	51.86	51.63	52.38	50.79	51.32	52.27	25	24.5	25.9	29.2	26.4	26	30.5	24.1	83	83	88	69	77	82	2.8
Mean	53.68	53.51	54.03	53.18	53.41	54.68	25.1	24.7	28.2	29.5	27	25.8	31.2	23.8	89.2	90.5	78.3	74.7	84.1	89.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	500.9

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1	NNW	NW	S	SSE	SE	SE	------	------	------	84.2	------	10	----------	N. NW	10	----------	S.-Cu.
2	SE	S	SW	SW	NE	E	59.7	103.8	47.5	79.2	290.2	10	----------	S.-Cu.	2	Ci.	Cu.-N.
3	S	N	SE	SE	NE	SW	22.7	83.7	82.4	40	228.8	2	A.-Cu. SW	S.-Cu.	2	Ci.	Cu.
4	E	E	SE	NE	N	W	25.1	66.6	59.8	33.8	185.3	1	Ci.	S.-Cu.	8	----------	Cu.-N.SW
5	SW	SW	S	E	ENE	NW	23.7	71.6	63.4	38.1	196.8	10	----------	S.-Cu.	1	A.-Cu.	Cu.-N.
6	E	S	S	NE	NE	NE	43	30.9	82.7	55.3	211.9	10	----------	S.-Cu. S	8	Ci. NE	Cu.-N.
7	NE	WSW	SW	NE	ENE	S	31.7	55	98.5	42.3	227.5	7	A.-Cu. NE	S.-Cu.	0	----------	----------
8	S	S	S	NE	NNW	NW	44.1	39.9	70.3	86.1	240.4	5	Ci. E	----------	8	Ci.	Cu.-N. W
9	W	W	W	NE	NW	WSW	24.4	37.8	53.6	31.4	147.2	10	Ci.-S.	S.-Cu. W	10	----------	S.-Cu.
10	W	WSW	SW	W	NW	SW	105.6	94.6	77.5	89.9	367.6	10	----------	S.-Cu. W	10	----------	S.-Cu. W
11	SW	SW	S	NW	NW	NW	119.3	116.7	55.4	37.2	328.6	10	----------	S.-Cu. W	10	----------	S.-Cu.
12	SW	S	S	NW	S	S	88.3	101.4	60.7	33.5	283.9	7	A.-Cu. SW	S.-Cu.	10	----------	N.
13	SW	SW	SW	W	NW	W	45.9	56.5	82.9	45.3	230.6	9	A.-Cu. SW	S.-Cu.	10	----------	S.-Cu. W
14	W	SW	S	WSW	NW	SW	81.1	131	97.6	54.4	364.1	10	A.-Cu. SW	S.-Cu.	10	Ci.-S. SW	S.-Cu.
15	SW	SW	SW	S	S	S	34.1	104.4	50.1	22.5	211.1	7	A.-Cu. SW	S.-Cu.	10	----------	N. SW
16	S	S	S	W	E	S	44.6	82.6	88.5	43.8	259.5	7	Ci. SE	S.-Cu.	7	A.-Cu. E	Cu.-N.
17	S	S	S	SE	E	S	49.9	83.4	69	45.4	247.7	3	Ci.-S. E	S.-Cu.	3	----------	Cu.-N. W
18	SE	SE	S	S	W	SSE	76.2	90.2	70.3	88.7	325.4	5	Ci. SE	S.-Cu.	9	----------	Cu.-N.NE
19	S	S	S	ENE	W	SW	95.5	102.4	62.6	63.3	323.8	10	A.-Cu. SE	S.-Cu.	4	Ci. E	Cu.-N.
20	S	S	S	SE	SE	SE	49.6	64.9	33.5	24.4	172.4	10	Ci. E	S.-Cu.	10	Ci.-S.	S.-Cu.
21	SSE	SSW	S	E	ENE	ENE	50.2	49.3	89.5	67.3	256.3	6	A.-Cu. E	S.-Cu.	0	----------	----------
22	SW	SSW	SE	NE	ENE	E	50.2	62.8	93.3	66.3	272.6	0	----------	----------	0	----------	----------
23	SE	S	S	NE	NE	NE	24.3	43.7	104	49.7	221.7	7	Ci. E	Cu.	3	Ci. E	Cu.-N.
24	N	N	N	NW	N	N	84.8	73.7	155.5	148.1	462.1	10	----------	Cu.-N. N	10	----------	N. NW
25	NE	N	N	NNW	NW	NW	164.9	202.4	274.6	271.9	913.8	10	----------	S.-Cu. N	10	----------	S.-Cu.
26	W	SW	S	S	SW	SW	230.3	221.3	104.8	96.1	652.5	10	----------	N. SW	10	----------	S.-Cu. W
27	S	S	S	S	SW	SW	148.3	117.5	82.2	36.4	384.4	10	A.-S.	S.-Cu.	10	A.-S.	S.-Cu.
28	S	S	S	E	E	W	48.9	75.4	55.7	27.2	207.2	10	A.-S.	S.-Cu.	10	Ci.	Cu.-N.
29	S	S	S	N	NW	NW	33.8	31.4	53.4	23.9	142.5	4	Ci. E	Cu.	10	Ci. E	Cu.-N.
30	W	W	W	NW	NW	WNW	13.6	29	127.7	41.8	212.1	10	Ci. E	S.-Cu.	10	----------	S.-Cu. W
31	NW	SW	W	WSW	SW	SW	48.9	80	98.5	115.1	342.5	10	Ci. E	S.-Cu.	10	Ci.-S.	S.-Cu.
Mean	------	------	------	------	------	------	65.4	83.5	84.8	64	297	7.7	----------	----------	7.3	----------	----------

APARRI.

[$\phi = 18°\ 22'$ N; $\lambda = 121°\ 38'$ E; barometer above sea, 5 meters; gravity correction not applied, —1.57 mm.]

SEPTEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	52.08	52.47	54.23	54.03	54.81	56.12	25.3	25.2	28.5	28.2	24.6	24.5	29.6	24	80	80	72	80	93	94	12.7
2	55.36	55.56	56.38	54.83	54.89	56.60	24.3	24.4	28.9	32.1	29.2	26.8	33.5	23.5	96	95	76	65	80	87	------
3	55.92	56.17	56.50	54.84	55.90	57.22	24.9	25.4	30.7	32.2	28.7	27.8	34.5	24	86	84	66	68	78	83	------
4	56.64	56.12	57.14	56.39	56.12	57.25	24.9	25	28.8	30.5	28	26	32.1	24.2	91	90	77	75	85	91	------
5	56.66	56.71	57.63	55.81	56.21	57.47	25.5	25.3	30.5	33.5	29	26.8	34	24.5	92	93	72	57	79	94	------
6	56.35	56.52	57.78	56.87	57.60	59.14	25.3	25	30	31.4	28.7	27.4	33.3	24.6	89	90	77	67	82	84	------
7	58.56	58.61	58.95	57.69	57.74	59.32	25.5	25	29.8	30.3	29	27.1	32.7	24.5	93	95	74	70	74	82	------
8	58.62	58.30	58.69	57.44	57.08	58.05	26.3	24.7	30	31.5	28.5	26.6	32.9	23.7	93	92	67	67	74	83	------
9	57.76	58.16	58.38	57.02	57.04	58.90	24.8	24.3	29.4	31.4	29.6	27.1	32.8	23.6	93	96	68	68	70	79	------
10	58.80	59.01	59.92	58.58	58.35	59.78	25.2	24	30.4	29.4	28.2	26.5	32.4	23.6	90	95	63	74	80	84	------
11	59.45	59.58	60.45	58.99	59.08	60.34	25.7	25	30.6	30.1	28	25.8	32.4	24.5	90	96	66	67	76	88	------
12	59.15	59.39	59.37	57.29	57.38	58.92	24.1	24	29.8	31	27.5	26.4	32.9	23.2	95	95	69	65	87	92	------
13	58.06	58.20	58.59	56.94	56.70	57.93	25	24.6	30.1	31	28.1	25.6	32.5	24.1	93	95	74	69	77	87	------
14	57.37	57.73	58	56.49	56.72	57.49	24.7	24	30	31.5	28.3	27	32.2	23.2	91	94	71	60	72	79	------
15	56.51	56.62	56.73	55.10	54.74	54.95	25.1	23.8	28	29.4	27.4	27.4	30.8	23.1	91	91	81	73	86	87	11.4
16	53.28	53.20	53.55	50.24	48.61	47.14	26.5	26.4	27.5	27.7	27.7	26.2	28	24.6	90	90	90	91	89	90	261.1
17	43.79	43.15	45.92	46.98	49.36	52.11	24.3	24	24.6	24.1	23.6	24	27.4	23	96	96	88	86	90	86	24.6
18	52.16	53.07	54.37	54.03	54.46	55.90	24	23.4	27.4	28.4	26.5	23.8	29.2	22.4	85	86	76	78	86	91	6.1
19	55.13	55.07	56.45	54.58	55.22	57.25	23.5	23.2	28.6	27.9	27.2	25.8	32.1	22.9	94	97	76	82	87	93	.8
20	56.40	56.85	58.08	56.85	57.19	58.94	24.5	24.2	28.5	31.2	27	25	31.7	23.6	96	97	72	70	87	92	12.8
21	58.37	58.50	58.76	57.17	57.20	58.43	24.5	24.2	28	30	26.5	26.1	31.4	23.8	92	94	81	74	86	87	6.4
22	57.14	56.55	57.78	56.35	56.78	58.20	25.2	24	29	30.2	27.2	26	31.7	23.6	90	97	79	73	81	87	------
23	57.35	57.26	58.04	56.94	56.95	58.75	24.2	24.5	28.6	31.7	28.5	25.8	32	23.8	94	92	76	66	79	87	------
24	58.20	58.54	59.03	57.65	57.83	59.15	24.2	23.6	28.7	31.2	28	26.5	32	23	93	93	70	69	73	85	2.5
25	58.28	58.46	58.92	57.51	57.09	57.64	24.8	24.1	29	30.4	25.5	26.2	32.4	23.6	93	94	75	69	96	92	19.8
26	56.25	55.61	55.65	53.17	52.07	51.72	26.3	26.8	28.1	29.4	26.6	25	30.8	24.4	86	84	84	78	86	98	21
27	47.77	44	36.38	30.27	30.74	35.89	26.8	25.7	25.5	26.4	25.9	25.5	27.5	23	82	90	93	89	86	88	52.8
28	37.62	39.70	43.05	44.41	47.68	50.39	23.4	22.9	24.4	25	24.1	23.8	26.7	22	95	96	97	80	86	93	26.9
29	50.30	50.99	52.75	51.55	52.38	53.89	23.8	24	24.5	27.4	25.7	24	28	22.4	95	95	96	68	80	91	1.8
30	53.17	53.11	54.14	52.35	53.42	54.21	23	23	25.2	26.8	24.7	24	27.4	22.5	94	93	90	77	82	85	.3
Mean	55.08	55.11	55.72	54.28	54.58	55.97	24.9	24.5	28.4	29.7	27.2	25.9	31.2	23.6	90.9	92.5	77.2	72.5	82.2	88	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	461

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	S	S	S	S	SW	SW	124.5	158.3	108.8	69.4	461	10	Ci.-S.	S.-Cu.	10	----------	S.-Cu. SW
2	S	S	S	S	ENE	SW	75.3	100.8	68.7	32.4	277.2	10	Ci. E	S.-Cu.	6	Ci. E	Cu.-N.
3	SW	SW	SW	NW	NE	E	30.6	69.7	69.2	43.3	212.8	6	A.-Cu. S	S.-Cu.	3	----------	Cu.
4	N	S	S	N	ENE	W	56	86.3	82.1	35.4	259.8	10	Ci.-S. E	S.-Cu.	10	Ci.-S.	S.-Cu.
5	W	W	S	SE	E	SW	31.6	35.4	66.3	32.8	166.1	10	Ci.-S.	S.-Cu. SW	6	Ci. NE	Cu.-N.
6	WSW	W	SW	NE	ENE	SE	49.9	39.7	87.4	50.5	227.5	7	Ci.-S. E	S.-Cu.	1	Ci.	Cu.-N.
7	W	SSW	S	ENE	ENE	E	41.3	60	84	84.7	270	10	----------	S.-Cu.	1	----------	Cu.-N.
8	SE	SE	SW	ENE	E	E	55.3	47	97.4	64.2	263.9	0	----------	----------	1	----------	Cu.
9	E	E	E	ENE	E	SE	33.3	41.8	105.4	77.5	258	0	----------	----------	0	----------	----------
10	E	SSE	NE	E	NE	E	41	42.3	106.8	59.8	249.9	0	----------	----------	8	A.-Cu. E	Cu.-N.
11	SE	SW	NE	ENE	E	SE	32.4	46.9	88.8	67.8	235.9	3	A.-Cu. E	Cu.-N.	1	----------	Cu.-N.
12	SE	SE	SE	E	E	SE	48.8	64.6	92	59.3	264.7	0	----------	----------	7	Ci.-S. E	Cu.-N.
13	SE	S	ENE	ENE	NE	SE	26.4	43.5	107.2	58.2	235.3	0	----------	----------	1	----------	Cu.-N.
14	S	SSW	NE	N	NE	NE	45.6	40.7	54.2	46.2	186.7	7	Ci. S	Cu.-N.	8	Ci.	Cu.-N.
15	N	W	N	N	N	N	58.7	117.8	151.5	141.6	469.6	7	Ci. E	Cu. N	10	----------	Cu.-N. N
16	N	N	NW	NW	NW	NW	156.4	173.3	313	------	------	10	----------	N. N	10	----------	S.-Cu.NW
17	SW	S	S	S	S	SE	------	------	211.6	103.8	------	10	----------	N.	10	----------	N.
18	S	S	S	S	SE	SE	75.6	82.7	32.5	36.4	227.2	10	Ci.-S.	S.-Cu.	10	A.-S.	S.-Cu.
19	Calm	SE	SE	E	E	E	17.5	23.6	46.7	17.9	105.7	7	A.-Cu. SE	S.-Cu.	10	A.-Cu. E	Cu.-N.
20	E	E	E	NE	N	SW	28.5	42.3	77.5	33.2	181.5	8	A.-Cu. S	S.-Cu.	7	Ci.-S. E	Cu.-N.
21	SW	E	NE	NE	NE	NE	45.9	42.3	75.1	75.9	239.2	4	A.-Cu. S	S.-Cu.	8	A.-Cu. SE	Cu.-N.
22	E	SE	SE	NE	NE	E	58.9	51.7	123.9	63.4	297.9	6	A.-Cu. SE	Cu.-N.	4	A.-Cu. SE	Cu.-N.
23	E	SSW	SE	NE	NE	E	59.5	96.6	81.6	65.7	303.4	0	----------	----------	0	----------	----------
24	E	S	E	NE	E	E	39.9	46.2	72.9	48.1	207.1	0	----------	----------	0	----------	----------
25	E	S	N	NE	NE	NE	60	46.7	73.5	81.8	262	8	----------	Cu.-N. E	1	----------	Cu.-N.
26	N	N	N	N	N	NE	97.4	157.7	190.7	221.3	667.1	10	A.-Cu. E	S.-Cu. NE	10	Ci. E	Cu.-N. N
27	N	N	N	NE	E	SE	292.9	437.7	285.6	270.6	1,286.8	10	----------	N. NE	10	----------	Cu.-N.NE
28	SE	SE	SE	SE	SE	SE	338.4	383	246.2	122.6	1,090.2	10	----------	N.	10	----------	S.-Cu.
29	SE	SE	SE	SE	S	S	45.9	50.1	73.4	93.3	262.7	10	----------	S.-Cu. S	10	----------	S.-Cu. S
30	S	SE	S	S	S	S	79.5	136.8	150	100.6	466.9	10	----------	S.-Cu.	10	----------	S.-Cu. S
Mean	------	------	------	------	------	------	74	95.4	114.1	77.9	344.1	6.4	----------	----------	6.1	----------	----------

APARRI.

[$\phi = 18°\ 22'$ N; $\lambda = 121°\ 38'$ E; barometer above sea, 5 meters; gravity correction not applied, —1.57 mm.]

OCTOBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	54.11	54.88	56.21	54.77	55.40	57.70	23.5	23.5	25.9	29.2	26.1	24.6	30.8	23	87	87	85	70	87	95	------
2	57.63	58.97	59.60	58.31	59.30	60.70	23.7	24	29.4	33.1	26.3	24.8	33.5	23.1	94	91	73	58	91	97	------
3	59.85	59.81	60.87	58.98	59.23	60.38	23.6	23.8	29.8	30.9	27	26	33	23.1	92	91	73	72	84	89	------
4	58.81	58.92	59.85	57.47	58.23	59.43	24	24	28.9	30.4	27	26.2	31	23.2	95	95	74	68	86	87	------
5	58.70	58.93	59.38	58.47	58.83	59.74	25.1	24.5	29.5	25.5	25	25	30.4	23.4	92	96	72	91	93	90	15.8
6	58.86	58.95	60.60	58.95	59.30	60.91	24.1	24.4	24.2	26.3	25.3	24.5	27.8	23.4	94	93	91	85	86	89	50.6
7	59.70	59.86	61.26	59.15	59.98	61.19	23.8	24	26.4	28.8	26.2	25.2	30.3	23	93	91	88	76	85	92	------
8	60.31	60.71	61.78	59.75	60.50	62.04	23.7	23.6	28.4	29	26.4	25.8	30.7	22.8	92	93	75	74	83	79	------
9	61.95	62.27	62.83	61	61.18	62.39	24.4	22.8	29.3	29.4	26.8	25.5	31.5	22.4	90	93	64	70	81	92	5.1
10	61.59	61.54	62.58	60.74	60.62	61.34	24.6	23.8	28.3	29.6	25.6	25	33.9	23.2	88	91	79	73	93	93	6.1
11	60.40	60.33	61.33	59.23	59.39	60.68	24.7	24.5	26.4	27	26	25.2	29.2	23.8	94	94	88	84	86	90	7.1
12	59.88	59.80	60.78	58.75	59.14	60.69	24.8	24.4	27.4	29	26.5	25.8	31.1	23.6	93	93	81	74	85	89	------
13	60.10	60.35	60.83	58.83	59.30	60.48	24.9	24	28.7	30	26.5	25	30.8	23.5	91	97	75	71	83	90	1.1
14	59.48	59.29	60.54	59.29	59.39	60.50	24.9	25	27.5	28	26.2	25.5	29.2	23.8	89	88	78	71	77	84	3.3
15	59.65	59.94	60.74	59.34	59.51	60.78	23.9	23.8	28	28.1	25.6	25	30	23	92	93	73	81	81	88	21.3
16	60.10	60.32	61.13	59.24	59.26	61.51	23	23.2	27.5	27.4	24.8	23.2	29.6	22.5	91	93	76	78	87	95	136.3
17	61.11	61.26	62.53	61.14	61.72	62.91	23.7	23.7	25.5	24.1	23	23.9	27.2	22.3	92	91	84	91	95	94	21.6
18	62.71	62.86	64.38	62.72	63	64.27	23.5	23.5	24.1	24.9	24.3	24.5	25.7	22.1	94	94	90	81	84	81	2
19	63.02	63.11	64.10	61.85	61.96	63.35	24.4	24	24.9	26.8	25.2	24.3	28	22.6	80	81	78	67	73	79	.5
20	62.20	62.31	63.12	61.06	61.56	63.09	23.5	23	23.8	25.7	25.2	24.8	28.1	21.5	85	90	90	77	73	74	9.2
21	62.22	62.41	63.40	61.27	61.60	63.33	24.1	24	27.7	28.1	25.4	24	29.8	21.7	76	77	65	63	71	75	------
22	62.70	62.85	63.70	62.24	62.26	63	21.6	21	26	26.8	25.3	23.8	27.6	20.6	93	94	76	69	72	90	------
23	62.24	62.47	63.43	61.43	61.73	62.73	22.3	21.6	26	28.7	25.5	24	29.8	21.2	93	95	76	66	74	81	------
24	62.62	62.77	63.33	61.18	61.40	62.40	24	22.1	27.6	27.6	25	23.5	29	21.4	79	92	66	62	70	79	------
25	61.84	61.98	62.86	60.27	60.43	61.83	22	21	27.6	28	26.3	24.5	29.8	20.6	91	95	68	67	77	89	------
26	61.30	61.50	62.33	60.23	61.09	62.43	23.8	23.1	28.4	29	26.5	24.2	31	21.6	85	86	70	68	76	92	------
27	61.80	62.15	62.40	60.74	61.03	62.33	23	22	27.8	30.4	26.8	24.5	31.6	21.5	93	94	70	63	77	94	------
28	62.14	62.79	64.01	61.87	62.34	63.65	23.2	21.5	27	29.4	26.2	25.2	31	20.7	93	94	73	64	71	80	------
29	62.70	62.86	63.60	61.70	62.09	63.11	23.8	22.5	28.1	30.2	26.2	25.5	30.8	22	87	91	63	60	73	78	------
30	62.26	62.61	63.88	61.85	61.69	62.63	23.1	22.5	25.9	29.4	26.2	25.4	30.5	21.6	89	92	73	66	79	84	------
31	62.08	61.94	62.69	60.59	60.59	62.14	24.6	23	28.5	30.2	26.4	25.8	30.8	22.2	92	94	70	67	82	84	------
Mean	60.78	60.99	61.94	60.08	60.42	61.73	23.8	23.3	27.2	28.4	25.8	24.8	30.1	22.4	90	91.6	76	71.8	81.1	86.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	280

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	S	S	S	S	S	S	109.9	109.4	67	17.1	303.4	10		S.-Cu.	10		S.-Cu. SW
2	S	S	S	S	SW	W	32	82.3	48.6	38.8	201.7	7	Ci. E	S.-Cu.	5	Ci. E	Cu.-N.
3	SE	SSE	E	NE	E	E	15.5	35.6	65.4	29.6	146.1	2	Ci.	S.-Cu.	1		Cu.-N.
4	SE	S	S	NE	N	NE	27.1	48.6	88.8	39.9	204.4	1		S.-Cu.	1	Ci.	Cu.
5	E	SW	NE	NNW	NE	NE	34.6	42.3	98.7	102.8	278.4	1		Cu.	10		S.-Cu.
6	NE	NE	NE	NE	NE	NE	62.6	78.1	108.8	71.6	321.1	10		Cu.-N. NE	10		Cu.-N. NE
7	E	S	E	NE	ENE	E	40.5	23.2	70.5	30.3	164.5	8	A.-Cu. S	Cu.-N.	7	Ci.-S. E	Cu.-N.
8	E	SW	------	NE	ENE	E	54.6	47	94.1	90.9	286.6	0			0		
9	E	SE	------	NE	ENE	NE	49.1	34.1	75.3	108.6	267.1	0			0		
10	NE	NE	NE	NE	NE	NE	118.8	67.9	87.6	47.7	322	10		N. NE	6	A.-Cu. E	Cu.-N.
11	E	E	E	ENE	NE	NE	35.9	54.4	100	101.9	292.2	4		Cu.-N. E	10		S.-Cu.
12	E	W	NW	NE	NE	NE	42.9	34.3	70.8	68.4	216.4	1		S.-Cu.	7		Cu.-N. NE
13	NE	W	NE	N	NE	NE	18.2	39.7	75.9	67.6	201.4	0			0		
14	NE	NE	NE	NE	NE	NE	87.9	100.1	81.3	53.9	323.2	10	A.-Cu. E	Cu.-N.	10		S.-Cu. NE
15	ENE	E	N	N	NE	NE	41.8	49.6	84	72.2	247.6	10		Cu.-N. ENE	5	A.-Cu. W	S.-Cu.
16	NE	NE	N	NW	NE	NE	71.6	----	113	164.6	----	10		N. NE	4	A.-Cu. W	Cu.-N.
17	NE	NE	NE	NE	NE	NE	190.7	175.4	175.4	172.2	713.7	10		N. NE	10		N. NE
18	NE	SE	NE	ENE	E	ENE	97.7	132.5	111	100.8	442	10		S.-Cu. E	10		S.-Cu. E
19	ENE	ENE	E	E	EbyN	E	109.4	77.9	112.1	70.8	370.2	10		S.-Cu. NE	10		S.-Cu. NE
20	NE	NE	E	E	E	E	61.2	57.6	93.6	103.5	315.9	10		S.-Cu. NE	10	A.-Cu. SE	S.-Cu.
21	ENE	ENE	ENE	ENE	E	E	70	78.1	112.3	78.9	339.3	1		Cu.-N. ENE	1		S.-Cu.
22	SW	SW	W	ENE	ENE	E	48.6	48.8	61.2	42.1	200.7	0			6	A.-Cu. S	S.-Cu.
23	ENE	ENE	E	NE	NE	NE	37	35.9	95.3	75.9	244.1	0			1	A.-Cu. SE	Cu.-N.
24	ENE	ENE	NE	NE	ENE	E	41.5	46.4	111.6	66	265.5	2	A.-Cu. W	S.-Cu.	0		
25	E	SE	SE	NE	NE	E	36.3	61.8	77	38.8	213.9	0			0		
26	NE	E	SE	NE	NE	NE	45.1	78.6	78.9	39.1	241.7	0			0		
27	NE	SE	SE	NE	NE	NE	45.4	74.8	77.4	43.7	241.3	0			0		
28	NW	NW	W	N	NE	NE	45.4	31.9	70.5	60.6	208.4	0			0		
29	NW	NW	NW	NE	NE	NE	49.9	32.5	84	55	221.4	0			0		
30	NE	NE	NE	NE	NE	E	49.7	33	79.8	83	245.5	8		S.-Cu. E	0		
31	E	E	SE	NE	NE	NE	30.3	56.6	91.7	120.1	298.7	0			1		Cu.-N.
Mean	------	------	------	------	------	------	58.1	62.3	89.1	72.8	277.9	4.4			4.4		

APARRI.

[$\phi = 18°\ 22'$ N ; $\lambda = 121°\ 38'$ E ; barometer above sea, 5 meters ; gravity correction not applied, —1.57 mm.]

NOVEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	61.44	61.63	62.38	60.15	60.83	62.63	24.8	23.8	28	29	26	25.3	33.4	23.1	91	95	73	68	76	77	1
2	61.77	62.50	63.49	61.32	62.05	63.38	23.8	22.7	26.4	28	26	26	28.5	21.5	86	92	80	70	75	75	
3	62.69	62.89	63.78	62.10	62.61	63.47	25.2	25	27.3	28.6	25	23.5	29.5	23	70	70	67	56	64	82	4.8
4	62.12	62.21	63.11	60.64	60.71	61.42	23.4	23.9	26.6	28	24.8	24.5	29.1	21.6	72	70	58	54	65	70	.5
5	60.15	60.45	60.31	58.29	58.67	59.68	24	23.1	26.8	28.8	25.1	25	30.4	22.1	72	78	63	54	70	68	.3
6	58.87	59	60.10	58.59	58.96	59.99	25	25.1	26.6	26.1	25.1	25	27.7	23.7	70	72	68	70	73	70	
7	58.83	60.02	61.07	59.47	60.67	61.45	23.5	24	23.6	24.3	24	24	25.4	21.7	79	74	79	73	70	69	1.4
8	60.95	61.36	63.13	61.53	62.10	63.67	23.4	23.5	25.9	25.8	24.1	24	27	21.2	73	74	65	64	58	60	
9	63.55	63.80	64.85	63.31	63.75	65.04	23.5	23.4	25.5	25.9	22.9	22.9	27.6	21	63	64	54	57	67	66	
10	64.38	64.73	65.50	63.68	63.79	64.30	19	18.6	25.1	27	23.8	20	27.9	18.1	90	92	62	59	71	94	
11	63.67	63.97	64.84	62.88	62.98	63.79	19.8	20	23.5	24.5	24.5	22	26.9	18.7	90	89	80	75	70	88	
12	63.27	63.33	64.27	62.33	63.11	64.42	20.9	20.9	24.9	26.4	24.1	22	28	20.5	92	92	76	70	73	88	
13	63.89	64.12	64.43	62.58	62.66	64.07	22	21	27	26.8	24	22.4	29.4	20.6	87	93	63	71	88	95	3.3
14	63.16	62.99	63.66	61.50	62.20	63.82	22.3	21.5	27.1	27.5	24.7	21.8	29.6	20.6	90	90	70	70	75	89	
15	62.80	62.91	63.84	61.42	61.93	63.41	21.1	20	26.7	27.4	24.5	24.1	29.9	19.4	92	93	71	74	86	91	
16	62.12	62.07	63.04	60.73	61.28	63.20	22.3	22.8	28	28.6	25.5	24.2	30.4	21.7	92	93	71	70	78	90	
17	62.91	62.97	63.59	61.60	61.43	63.05	22.9	21.5	27.8	27.6	25.4	23.5	31.9	21.1	92	94	70	74	85	92	.8
18	62.30	62.72	63.70	61.74	62.08	63.30	23.1	23.6	25.6	26.5	25	23.7	29.8	22.1	92	93	84	80	87	90	
19	62.51	62.62	63.48	61.12	62.06	62.88	22.3	22	27.4	27.2	24.2	23.8	29.4	21.5	90	93	70	74	83	87	
20	61.37	61.50	62.02	59.93	60.31	61.23	21.8	20.8	25.9	26.6	25	23.1	28.5	19.9	93	94	78	80	86	90	1.3
21	60.40	60.26	60.76	58.49	58.25	59.61	22.8	23	27	28.5	25	24.2	30.2	22.1	93	94	76	68	82	88	
22	59.04	59.15	59.93	57.72	57.76	58.65	23.2	22.8	27	28.6	26.1	23.8	30.9	21.6	90	88	73	67	83	91	
23	58.52	58.72	59.75	57.94	58.81	59.66	23.1	22.9	28.5	27.9	25.9	25	30	22.3	90	92	71	75	81	85	2.8
24	59.30	59.80	60.74	59.57	60.35	61.69	24.3	23.3	25.8	28.5	25	24	29	22.6	89	91	78	67	76	83	20.4
25	61.42	61.81	62.95	60.83	60.80	61.91	22.9	23.7	27.4	27.5	24.9	24.4	28.6	22.4	90	84	69	69	75	80	
26	61.76	62.32	63.28	61.32	61.29	62.55	22.6	21.3	26.5	28.5	25.7	23.5	29	20.7	93	95	76	63	77	90	
27	62.37	62.71	62.68	59.55	59.88	61.60	21.7	19.5	26.4	28.2	25.6	24	29.9	18.9	94	95	76	69	83	91	
28	61.25	61.76	62.56	60.87	61.43	62.74	22.5	21.8	27.1	29.5	25.4	24.8	30.8	21.4	94	95	72	66	83	89	
29	62.25	62.65	63.36	61.27	61.68	62.81	23.2	22.5	26.4	28	25.2	24.9	29.4	22.1	91	94	77	71	83	84	
30	62.05	62.50	62.96	61.08	61.29	62.41	24.5	22.5	27.5	29.4	25.7	23.1	30.1	22	86	94	73	64	80	96	
Mean	61.70	61.98	62.79	60.78	61.19	62.39	22.8	22.4	26.5	27.5	24.9	23.8	29.3	21.3	86.2	87.6	71.4	68.1	76.8	83.6	
Total																					36.6

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	NE	NE	NE	NE	NE	40	44.3	103.6	96.9	284.8	0			0		
2	NE	NE	S	NE	NE	NE	48.5	41.3	137.6	155	382.4	10		N. NE	3		Cu.-N.NE
3	NE	NE	NE	NE	NE	NE	150.4	134.2	132	83	499.6	10		S.-Cu. NE	1		Cu.-N.
4	NE	NE	N	NE	NE	NE	102.1	118.5	105.1	99.1	424.8	1		S.-Cu. NE	1		Cu.-N.
5	NE	N	NE	N	N	N	93.3	87.1	95.8	109.6	385.8	10		Cu.-N. N	1		Cu.-N. N
6	N	N	N	N	N	N	130.1	148.6	165.5	180	624.2	10		S.-Cu. N	10		S.-Cu. N
7	N	NNE	NNE	N	NNE	N	187.3	156.6	175.7	143.5	663.1	10		S.-Cu. NE	10		S.-Cu. NE
8	NNE	NE	NE	NE	NE	NE	120.7	120.2	112.3	77	430.2	10		S.-Cu. NE	10	A.-Cu.	Cu.-N.
9	NE	NE	NE	NE	NE	NE	63.1	50.6	69.7	45.1	228.5	8		S.-Cu.	10		S.-Cu. NE
10	S	SW	SW	NE	NE	E	45.9	40.5	86	55.7	228.1	0			0		
11	E	S	S	S	E	E	40.4	83.4	69.4	51	244.2	10		S.-Cu. E	3		S.-Cu. E
12	E	E	SE	E	SE	S	37	48.9	94.4	58.4	238.7	2	A.-Cu. E	S.-Cu.	3	A.-Cu. E	Cu.-N.
13	S	S	E	E	SE	SE	22.3	43.5	48.3	33	147.1	1		S.-Cu.	7	A.-Cu. E	Cu.-N. E
14	SE	S	S	E	E	E	52.5	93.4	85.5	45.1	276.5	0			0		
15	SE	SE	S	E	E	E	17.9	46.2	70.5	43.8	178.4	0			10		S.-Cu. E
16	E	S	S	E	E	E	30.1	67.1	77.7	61.8	236.7	0			2		Cu.-N. SE
17	E	E	E	E	E	SE	14.8	40.7	107.6	74.8	237.9	0			0		
18	SE	E	NE	E	E	E	43.3	98.9	100.8	35.6	278.6	5		S.-Cu. E	10		S.-Cu. E
19	E	E	E	E	E	E	34.8	34.9	101.2	41.1	212	0			10	A.-Cu. E	S.-Cu.
20	W	SW	SW	E	E	E	45.6	37.3	75	40.7	198.6	0			8		Cu.-N. E
21	S	S	S	E	E	E	34.5	64.3	82.7	47.3	228.8	10		S.-Cu. SE	1		Cu.-N.
22	SE	S	S	E	E	E	53.9	114.3	70.7	51.5	290.4	0			0		
23	NE	NE	SE	N	N	N	35.7	46.4	92.5	52.9	227.5	6		Cu.-N. S	0		
24	N	NW	NW	N	NE	NE	49.1	56.3	79.2	43.7	228.3	10		N. N	0		
25	N	NE	E	NE	E	E	47.7	65.1	97.3	104.3	314.4	10		Cu.-N. NE	0		
26	E	E	E	E	E	E	51.3	39.6	54.6	40.8	186.3	0			1		Cu.-N.
27	E	E	S	SE	E	E	29.3	71.1	68.7	33.6	202.7	0			0		
28	S	S	S	NE	NE	NE	39.4	51.8	80.4	32.2	203.8	1		S.-Cu.	0		
29	NE	NE	NE	NE	NE	NE	23.5	42.8	82.4	46.4	195.1	7	A.-Cu. N	S.-Cu. NE	5	A.-Cu. E	Cu.-N.
30	NE	SW	S	E	E	E	46.7	46.8	70	36.3	199.8	9		Cu.-N. E	0		
Mean							57.7	71.2	93.1	67.3	289.2	4.7			3.8		
Total											8,677.3						

APARRI.

[$\phi = 18°\ 22'$ N; $\lambda = 121°\ 38'$ E; barometer above sea, 5 meters; gravity correction not applied, −1.57 mm.]

DECEMBER, 1911.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	62.05	62.26	63.19	60.79	60.69	62.33	21.6	20.9	26.3	29.1	25.8	22.2	30.4	19.6	93	95	71	64	76	84	
2	61.12	61.53	62.68	60.48	60.91	61.99	21.8	20.8	27	27.7	24.5	25	29.4	20.1	84	91	66	70	82	78	0.5
3	61.12	61.81	62.80	60.22	60.25	61.05	23.5	22.3	27.4	28	25.3	23.3	29	21.7	94	96	66	69	81	86	
4	60.51	60.90	61.59	59.49	59.60	60.68	21.7	20.5	25.5	29.5	25.2	23	30.3	19.7	90	93	78	64	85	95	
5	60.71	60.90	61.29	59.52	59.56	60.90	21.9	21.5	27.9	28.1	25.3	24.7	30.2	21.1	96	95	70	75	83	81	
6	60.75	60.81	61.34	59.34	59.90	60.54	23.6	21.7	26	26.6	25	24.4	28	21.1	86	92	82	75	79	77	
7	60.09	60.76	61.43	59.54	59.73	59.12	23.3	23.9	27	27	23.8	24.2	28	21.1	82	73	72	66	89	86	5.1
8	58.14	57.29	56.12	53.24	50.84	51.64	24.5	24.3	24.2	24.3	24	24	25.3	22.6	87	92	97	92	97	97	180.6
9	52.29	52.64	53.52	51.67	52.14	52.28	24.2	24.4	25	24.8	24.2	24.3	26.5	23	95	92	92	95	95	94	103.6
10	52.19	54.24	55.31	54.52	55.41	56.59	24	23.4	24.9	24.3	24	23.4	27.1	22.6	95	90	91	96	95	95	4.1
11	56.04	58.02	59.83	57.90	58.77	59.36	23.2	23	22.8	23.2	23.8	24.2	24.5	22.1	93	93	95	93	86	91	24.8
12	59.21	60.56	61.81	60.47	61.12	62.01	23.8	23.5	23.5	22.5	23.4	23.4	24.5	21.9	93	94	94	96	93	97	14
13	61.25	61.49	62.75	60.07	60.38	61.80	22.7	21.5	25.6	28.5	24.5	22.8	29.4	21	96	95	81	64	89	95	
14	62	62.80	63.65	61.08	62.14	63.75	22	21.5	25	27.5	23.9	22.2	28.5	20.6	93	94	82	75	84	96	.8
15	63.17	63.67	64.50	62.15	62.48	63.60	23	21.7	26.6	28	24.1	23.2	28.9	21.1	86	96	71	69	81	87	
16	63.05	63.47	64.84	62.75	62.93	64.37	21.9	21	25	25	24	23.1	27.5	20.3	92	95	79	79	85	90	
17	63.25	63.42	64.33	62.03	62.53	63.48	22	21.8	26	26.1	24.9	23.4	28.6	21.1	93	95	79	83	88	95	
18	63.42	63.56	64.85	62.69	62.68	63.74	22.1	21.8	27.5	29.9	24.5	22.5	30.5	21.1	90	91	72	62	78	89	
19	63.51	63.16	63.95	61.33	61.50	62.54	21.4	20.4	25.5	27.8	25	23.8	29.5	19.6	92	92	72	67	87	88	
20	62.30	63.10	64.60	63.13	63.66	64.62	22.8	22.7	26	27.5	24.7	23.4	28.5	21.2	95	96	76	69	78	86	
21	64.33	64.73	65.84	63.98	64.24	64.77	21.2	21.2	24	25	23.7	23	28	20.2	93	93	86	82	92	87	
22	64.09	64.40	64.37	62.25	62.85	63.85	22.2	22	25.4	29.2	24.8	22.1	30	20.9	93	94	83	68	83	90	
23	63.80	64.71	65.94	64.19	64.37	64.83	20.6	19.8	25.2	24.7	24	23.1	27.4	19.1	94	95	77	84	88	92	.5
24	64.78	65.34	65.79	63.27	63.41	63.65	22.8	22.1	27	28.5	24.5	22.4	29.5	21.5	89	90	77	70	78	83	
25	63	63.35	64.12	61.53	62.08	62.95	21.9	20.4	25.7	28.9	24.2	22	29.7	20.1	85	91	69	58	85	93	
26	62.84	63.07	63.77	61.48	62.06	63.08	21.2	20.3	26	27.8	24.7	23.8	29.2	19.6	93	91	72	62	81	88	
27	63.01	63.26	64.73	62.22	62.40	63.47	22.4	21.5	26.4	27.6	24.7	21.2	29.2	20.6	89	91	72	67	82	87	
28	63.08	63.60	63.96	60.99	62.09	62.84	21	19.5	25.2	26.5	23.6	22.8	27.4	18.7	85	93	70	68	86	89	
29	62.41	62.53	63.80	61.28	61.96	62.31	21.7	20.1	22	23.5	22	21.9	27.4	19.6	92	94	93	89	95	92	17.8
30	61.60	61.72	62.66	59.93	60.86	61.79	21.4	21.2	24.4	26.1	24.1	23	28	20.6	95	95	83	80	89	95	1.8
31	61.19	61.57	62.46	59.18	59.99	61.09	22.2	21	25	27.8	25	22.1	29	20.2	95	95	85	65	79	90	
Mean	61.30	61.76	62.64	60.41	60.76	61.65	22.4	21.7	25.5	26.8	24.4	23.2	28.4	20.8	91.2	92.6	79.1	74.7	85.5	89.5	
Total																					353.6

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.	Total movement in 24 hours.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	E	S	E	E	E	32.5	85	87.2	50.9	255.6	0			0		
2	E	E	NE	E	E	E	42.6	40.9	93.9	94.8	272.2	0			1		Cu.-N.
3	E	E	E	NE	E	E	46.7	44.8	101.7	53.6	246.8	7	A.-Cu. SE	S.-Cu. E	0		
4	E	E	S	NE	NE	NE	37.7	80.7	86.9	36	241.3	0			0		
5	ENE	ENE	SE	NE	E	E	37.6	51.8	122	124	335.4	0			0		
6	E	E	E	NE	NE	E	56.2	45.4	126	99.8	327.4	0			7		Cu.-N.ENE
7	E	E	E	NE	NE	NE	70	56.6	122.3	141.9	390.8	8		Cu.-N. ENE	10		S.-Cu. NE
8	NE	NE	NNE	NE	NE	E	173.8	210.8	265.5	283.8	933.9	10		N. NE	10		N. NE
9	E	E	E	E	E	SE	95.9	110.3	104.9	137.9	449	10		N. SSE	10		S.-Cu. S
10	SW	W	SW	W	W	N	164.3	113	55.5	98.5	431.3	10		S.-Cu.	10		S.-Cu. W
11	N	N	NbyE	NE	NE	NE	233.3	190.2	193.9	174.8	792.2	10		N. N	10		N. NE
12	E	E	NE	NE	NE	E	56.9	119.1	171.9	68.4	416.3	10		Cu.-N. E	10		N. NE
13	E	E	S	S	E	E	20.9	70	76.1	22	189	0			0		
14	E	E	E	E	NE	E	19.6	31.9	58.7	78.1	188.3	3	A.-Cu. E	S.-Cu.	0		
15	E	E	SE	E	E	E	76.9	36.9	79.4	53.1	246.3	0			0		
16	E	E	E	E	E	E	40.8	31.7	42.9	22.5	137.9	0			10		S.-Cu. E
17	E	E	E	NE	NE	NE	15.8	32.2	60.6	28.7	137.3	3	Ci. S	S.-Cu.	8		S.-Cu.
18	NE	SE	SE	S	SE	SE	44.8	86.1	74	65.5	270.4	0			1		Cu.-N.
19	S	S	S	E	E	NE	64.1	84	61.5	30	239.6	0			0		
20	NE	NE	ENE	NE	E	E	20.6	40.2	118.1	60.7	239.6	0			0		
21	E	E	E	E	E	E	45.3	21.8	32.2	29.5	128.8	10		S.-Cu. SE	10		S.-Cu.
22	E	E	S	S	NE	NE	47.5	105.2	80.3	46.7	279.7	0			0		
23	NE	NE	NE	NE	NE	ENE	33.8	41.9	79.5	106.2	261.4	0			10		S.-Cu.
24	E	E	SE	E	E	E	37	72.4	64.1	92	265.5	0			0		
25	SE	SE	SE	E	E	E	70.1	87.2	67.4	24.9	249.6	0			0		
26	E	E	SE	E	E	E	29	57.1	65.2	39.6	190.9	8	A.-Cu. SE	S.-Cu.	2	Ci.	Cu.-N.
27	SE	SE	SE	E	E	E	48.6	52.8	99.6	46.7	247.7	10	Ci. SW	S.-Cu. SE	0		
28	E	E	E	SE	S	SE	21	52	43.3	24.1	140.4	0			10		S.-Cu. SE
29	SE	SE	S	NE	E	E	31.9	50.7	50	44.3	176.9	0			10		Cu.-N.NE
30	NE	SW	SW	N	NE	NE	41.7	60.2	75.4	28.3	205.6	10		S.-Cu. E	1		Cu.-N.
31	NE	E	S	SE	E	E	32.3	61.4	64.9	46.8	205.4	5	A.-Cu. E	S.-Cu.	0		
Mean							57.7	71.8	91.1	72.7	293.3	3.7			4.2		
Total											9,092.5						

METEOROLOGICAL OBSERVATIONS MADE AT THIRD CLASS AND RAIN STATIONS DURING THE CALENDAR YEAR 1911.

ZAMBOANGA.

[$\phi = 6°\ 54'$ N; $\lambda = 122°\ 05'$ E; barometer above sea, 7.1 meters; gravity correction not applied, —1.91 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	59.50	58.04	22.9	29	N 1	W 1			
2	58.97		22.5		Calm				
3									
4									
5									
6									
7									
8									
9									
10	57.12	56.18	22.5	29.5	Calm	E 1			
11	57.39	56.79	22	29.4	Calm	W 1			
12	57.65	57.12	22.1	28.8	Calm	W 1			
13	58.34	58.03	22.4	29.4	Calm	WSW 1			
14	59.06	58.30	23.5	27.6	Calm	W 1			
15	58.83	57.73	23.6	29.6	Calm	W 1			
16	57.74	57.62	22.9	28	Calm	SW 2			
17	58.72	57.48	23.4	29.2	Calm	E 1			
18	58.82	58.35	23	27.6	Calm	W 1	W		
19	58.49	57.79	22.5	30.5	Calm	SSE 2			
20	58.92	58.10	23.5	28	Calm	SE 1		N	6.4
21	58.83	57.66	23	27.9	Calm	WSW 1		E	
22	58.76	57.34	23.1	28.6	Calm	SSE 2			
23	57.44	56.15	23.2	29.7	Calm	E 1			
24	56.32	55.82	22.8	29.4	Calm	SSE 2			
25	57.25	56.18	22	30.6	Calm	ESE 1			
26	56.74	56.60	23	27.9	Calm	SSE 1			
27	56.81	55.84	23.5	28.5	Calm	W 1			
28	56.29	55.87	24.4	28	Calm	W 2	N	S	
29	56.92	56.26	23.6	28.1	Calm	SE 2			
30	56.93	56.45	23	28.6	Calm	W 2			
31	57.01	56.37	24	29.4	Calm	SE 2		E	7.6
Mean	57.87	57.05	23	28.8	0	1.3			
Total									14

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	56.79	56.48	23.5	29	Calm	SW 1	E		
2	57.66	57.22	22.4	30.4	Calm	S 1		E	
3	57.62	57.44	21.6	31.4	N 1	NE 1			
4	58.37	57.68	21.6	28.5	Calm	W 2			
5	58.46	57.38	23	28.6	Calm	SW 2		N	
6	57.58	56.30	24.8	29.6	Calm	SW 1			0.3
7	57.72	56.69	23.6	29.2	Calm	N 1		E	35.8
8	57.94	56.77	22.6	27.9	Calm	E 1		E	1.3
9	57.54	57.32	22.9	31	Calm	ENE 1			
10	59.17	59.23	22.3	29.5	Calm	WNW 1			
11	59.65	59.45	23.5	29.2	Calm	E 1			
12	59.80	59.15	23	30	Calm	ESE 1		N	
13	59.80	58.86	24	27.8	Calm	WSW 1		SW	15.7
14	59.72	58.49	22.6	27.6	Calm	SE 2			
15	58.60	57.47	21.2	28.4	Calm	W 3		W	2
16	57.85	56.33	24.1	29.4	W 1	WSW 1	W	W	2.5
17	57.45	57.06	24.2	24	Calm	N 1	N	N	13.7
18	57.37	57.51	24.8	28.1	Calm	Calm	W	N	
19	58.58	57.75	24	24.9	Calm	Calm			26.4
20	59.36	58.68	23.1	28	Calm	W 1	N		50.8
21	59.59	58.03	23.2	28	Calm	N 1		N	34.5
22	59.35	57.45	22.5	27.7	Calm	W 3		W	
23	59.49	58.90	22.1	30.6	Calm	WSW 1			
24	60.36	59.22	21.7	28.7	Calm	SE 2			
25	60.42	59.47	21.5	28.3	Calm	W 2			
26	60.51	59.12	21.4	29.5	Calm	S 1			
27	59.20	58.43	21.4	28.8	Calm	SSE 1			
28	58.94	58.43	21.6	29.5	Calm	W 1			
Mean	58.75	57.94	22.8	28.7	0.1	1.2			
Total									183

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	59.75	58.70	22	29.6	Calm	W 2			
2	59.47	58.63	22	29.6	Calm	SE 2			
3	59.07	58.38	21	27.9	Calm	W 3			
4	59.34	58.45	21.2	29.7	Calm	SE 2			
5	59.33	59.15	22.3	28.9	Calm	W 1			
6	59.51	58.73	21.8	29.2	N 1	SE 3			
7	58.51	58.25	19.2	28.6	N 1	W 1			
8	59.17	58.19	20.6	28.6	N 1	SE 2			
9	58.98	58.59	20.6	28.4	Calm	W 1			
10	58.67	57.35	18	29	N 1	WSW 1			
11	58.30	58.10	19.6	29	N 1	W 1			
12	59.10	59.03	19.1	29.9	Calm	SSE 1			
13	59.88	58.48	21.1	29.5	Calm	W 1			
14	58.54	57.66	23.2	28.9	Calm	SE 3	W	N	
15	57.86	57.58	24.3	28	Calm	E 2			
16	58.57	57.90	23.4	29.4	Calm	W 2			
17	58.16	58.22	23.2	28.4	Calm	W 3			
18	58.84	58.77	23.2	26.5	Calm	Calm			0.5
19	58.93	58.69	22.4	26.6	Calm	Calm			2
20	59.41	58.42	22.3	28.6	Calm	W 1			
21	59.42	58.82	22.5	29.3	Calm	Calm		N	
22	59.31	59.02	22.1	28.9	Calm	W 1			
23	59.72	58.72	22.9	30.7	Calm	E 2		N	
24	59.42	58.82	22.6	29.6	Calm	SE 2			
25	59.60	58.69	23	30	Calm	SE 2			
26	59.69	59.06	23.4	29.9	Calm	N 2		N	
27	60.15	59.46	23.5	30	Calm	SE 2	NE		
28	59.67	58.73	23.6	30.9	Calm	E 2			
29	59.11	58.97	23.5	29.4	Calm	S 1	NE		
30	58.70	58.69	24	28.4	Calm	W 3		NE	
31	57.86	57.37	23.4	29.2	Calm	W 2		W	
Mean	59.10	58.50	22.1	29.1	0.2	1.6			
Total									2.5

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	57.27	56.70	23.4	29	Calm	W 2			
2	56.86	56.93	22.9	28.4	Calm	SSW 1		NE	4.1
3	57.50	57.69	24	28	Calm	S 1			11.2
4	58.02	57.42	23.4	29.1	Calm	W 1		N	
5	57.63	56.77	22.9	29.4	Calm	W 1			
6	57.58	56.78	23.6	29.4	Calm	W 1			.5
7	56.77	56.42	23.5	30.5	Calm	E 2			
8	57.46	56.73	23.4	28.4	Calm	ESE 1		S	
9	56.90	56.02	24.1	29.6	Calm	S 1			
10	56.60	56.03	24	28.6	Calm	W 2			
11	56.60	56.31	24.9	27	Calm	Calm			16.5
12	57.22	56.98	23.6	27.9	Calm	W 2		N	
13	57.67	57.07	23.8	31.3	Calm	E 2			
14	57.17	56.20	24.4	29	Calm	W 2			
15	57.13	56.90	24.5	28.8	Calm	Calm		NE	
16	57.87	57.40	23.1	29.2	Calm	W 1		N	
17	58.70	57.79	24.1	28.5	Calm	Calm			
18	58.32	57.19	22.4	29.4	Calm	W 3			
19	58.51	58.50	22.6	28.1	N 1	W 4			
20	59.81	58.88	23.9	26.6	Calm	W 3		N	1.8
21	59.70	59.03	23	28.1	Calm	NNW 1			.8
22	58.58	57.99	23	27.4	Calm	W 4			
23	58.50	57.43	23.5	28.6	Calm	W 3	W		
24	58.71	57.92	23.1	29.8	Calm	S 1			
25	59.68	59.58	23.6	28.5	Calm	SSW 1			
26	60.31	59.07	23.5	29.4	Calm	WSW 1			
27	59.66	58.62	24	29.9	Calm	W 1			
28	58.97	57.73	23.4	29.4	Calm	W 2			
29	58.78	57.69	23.4	29	Calm	W 1			
30	58.58	58.50	23.5	29.3	Calm	W 1			
Mean	58.10	57.48	23.6	28.9	0	1.5			
Total									34.9

This station was temporarily closed from January 3 to 9.

ZAMBOANGA.

[$\phi = 6°\ 54'$ N; $\lambda = 122°\ 05'$ E; barometer above sea, 7.1 meters; gravity correction not applied, −1.91 mm.]

MAY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.79	57.92	23.1	29.6	N 1	W 2			1.3
2	58.62	58.93	23.5	23.5	Calm	Calm			6.3
3	58.06	57.91	22.4	27	Calm	W 3			
4	58.74	58.79	23.2	27.7	Calm	SSE 2			
5	59.79	59.09	23.2	29.9	Calm	ESE 2			
6	60.14	59.11	23.3	28.5	Calm	SSW 1		W	
7	59.13	58.54	23.6	29.8	Calm	ESE 2		NW	
8	59.11	57.73	23.1	30.1	Calm	ESE 2			
9	59.60	58.87	23.8	29.6	Calm	Calm			
10	59.30	58.50	23	30.4	Calm	ESE 2			
11	59.11	57.68	23.4	29	Calm	SE 2			
12	58.61	56.82	23.6	29.3	Calm	W 3			
13	58.13	57.81	24.4	26.9	Calm	WSW 1			2
14	58.22	57.62	23.4	28.4	Calm	Calm			
15	59.67	57.73	24.1	27.8	Calm	SSE 2		N	
16	58.48	57.63	23.4	27.5	Calm	N 1		N	
17	58.22	57.18	23.3	26.8	Calm	Calm		N	
18	57.34	56.75	22.9	27.5	Calm	SSW 1		N	20.3
19	57.76	56.88	23.5	27.4	NNW 1	S 1		NW	
20	58.08	57.05	24	29.4	Calm	ENE 1			15.2
21	57.58	56.72	24	30.1	Calm	ESE 2			
22	56.86	56.63	24.1	28.8	Calm	W 1			
23	57.10	55.87	24.4	30.2	Calm	SE 2			
24	56.71	56.39	24.4	27	Calm	Calm	S		14
25	57.77	57.21	24	28.6	Calm	S 1			4.1
26	58.27	57.85	24.1	28	Calm	W 2		W	
27	58.48	57.38	24	28.9	Calm	SSE 1			
28	57.80	56.56	24.3	29.1	Calm	ESE 1			
29	58.06	56.63	23.9	28.4	Calm	W 2		W	4.8
30	58.03	57.08	23.6	27	Calm	WNW 1		W	
31	57.73	57.20	23.9	27.8	Calm	W 2			3
Mean	58.36	57.55	23.6	28.4	0.1	1.4			
Total									71

JUNE.

Day.	Pressure. 700 mm. + 6 a. m.	Pressure. 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.80	58.12	24.5	27.4	Calm	Calm			2.3
2	59.13	59.17	22.5	28.6	Calm	W 1			
3	59.01	58.80	23.4	28.4	Calm	Calm	E	NW	
4	58.86	58.10	23.5	29	Calm	W 1			
5	58.57	57.17	24.9	27.3	Calm	W 1			4.1
6	57.76	57.49	24	28.1	Calm	SSE 3			7.9
7	58.06	57.58	23.6	25.5	Calm	E 1		E	7.6
8	57.94	57.22	22.9	28.9	Calm	W 2		W	
9	58.21	57.89	23.4	28.9	Calm	SE 2			
10	59.14	58.30	24.4	28.8	Calm	W 1			
11	58.76	57.73	26.4	29.1	W 2	W 2			
12	58.43	57.70	23.6	28	N 1	W 3			
13	58.26	59.36	23.6	24.9	Calm	W 3		W	12.7
14	59.69	59.49	23.4	30.1	Calm	W 1			
15	60.49	59.93	24.4	29.2	Calm	W 2			
16	59.46	58.38	26.4	29.2	W 1	W 2			
17	57.99	58.12	25.7	26.8	Calm	W 1	W		1.3
18	58.23	57.07	22.8	29.5	Calm	ESE 1			
19	58.23	58.03	23.9	29.3	Calm	ESE 2			
20	58.66	57.40	24.5	30.1	Calm	ESE 2			
21	59.58	58.40	24.1	29.9	Calm	ESE 2			
22	59.06	59.99	25.4	27.8	Calm	Calm		E	2
23	60.19	59.20	24.3	29.2	Calm	W 4		W	
24	59.54	58.60	23.6	27.9	Calm	W 3			
25	58.68	57.93	23.4	28	Calm	W 3			15.2
26	58.72		23.5		Calm				
27	58.68	58.10	23.6	28.6	Calm	W 1			
28	58.71	57.99	23.4	27.1	Calm	SSE 1			
29	58.16	56.94	22.8	28.6	Calm	W 3			
30	56.93	56.23	22.7	28.2	Calm	W 3			
31									
Mean	58.73	58.15	24	28.4	0.1	1.8			
Total									53.1

JULY.

Day.	Pressure. 700 mm. + 6 a. m.	Pressure. 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.12	56.58	23.2	28.5	Calm	W 2			
2	58.57	58.80	24.9	25.2	Calm	W 1			10.6
3	58.94	57.75	23	28.8	Calm	ESE 2			
4	58.82	57.99	23.4	28	Calm	W 1		NW	
5	58.36	57.38	26.4?	29.9	SSE 2	E 1	E		
6	57.84	57.27	23	26.7	Calm	W 2			12.4
7	58.72	58.25	23.5	26.4	Calm	S 3		S	4.3
8	58.87	58.34	22.9	29.5	Calm	E 2			
9	58.84	58.43	23.4	29.2	Calm	W 1			
10	59.12	58.82	23.9	29.4	Calm	W 1			
11	59.26	58.47	25.5	29.1	Calm	W 2			
12	59.01	58.71	25.1	25.7	Calm	W 2			10.7
13	58.90	58.87	26.4	28.1	W 2	W 3	W		1
14	58.55	57.77	26.3	28.4	W 1	W 3			
15	58.76	58.34	27.1	27.6	SW 2	W 2	SW	W	
16	59.02	58.23	23.1	28.8	Calm	W 1			
17	58.90	58.15	25	29.2	Calm	W 3			
18	58.76	57.02	25	28.7	Calm	W 2			
19	58.26	57.30	26.6	28.5	W 1	W 3			
20	58.10	57.57	26.2	29	W 1	W 3			
21	57.82	56.80	26.3	29.4	W 1	W 3			
22	56.89	56.06	26.7	29.6	W 1	W 3			
23	57.19	56.79	24.5	30	Calm	W 2			
24	57.49	56.98	26.1	29.4	Calm	W 3			
25	57.58	56.44	23.8	29.5	Calm	SE 2			
26	57.55	56.16	24	30.6	Calm	ESE 2			3
27	58.40	57.88	24.9	27.8	Calm	ESE 1	W		2
28	58.35	58.05	23.7	25	Calm	W 4		W	1.3
29	57.85	57.63	26	26.6	SW 2	W 3	NW		12.7
30	58.32	57.28	23.5	28.5	Calm	W 2			1.3
31	58.15	57.32	24.5	29.6	Calm	ESE 1			
Mean	58.33	57.66	24.8	28.4	0.4	2.1			
Total									59.3

AUGUST.

Day.	Pressure. 700 mm. + 6 a. m.	Pressure. 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.31	57.29	24.3	30.4	Calm	Calm		W	
2	58.63	57.59	23.9	29	Calm	ESE 1			
3	58.66	57.37	24.5	30	Calm	ESE 2			
4	58.57	57.05	24	29	Calm	ESE 2			
5	57.82	57.32	23.6	29.5	Calm	ESE 2			
6	58.30	57.84	24.3	29	Calm	W 2			0.5
7	58.72	57.65	23.6	27.5	Calm	SSE 2			
8	58.90	56.43	24.4	29	Calm	W 3			
9	57.50	56.58	25.6	28.5	SW 2	W 3	W	W	14.5
10	56.90	56.79	25.4	26.6	W 2	W 3	W	W	13.5
11	57.53	57.31	24.1	27	Calm	ESE 1	W		17
12	58.59	58.17	24	22.8	Calm	W 2	W	W	22.9
13	58.88	57.58	23.4	27.4	Calm	W 1			.3
14	58.73	58.05	22.5	28.5	Calm	W 2			
15	59.80	58.72	23.1	29.1	Calm	ESE 2			
16	59.92	59.16	23.4	28.7	Calm	SE 2			
17	59.69	58.63	22.9	28.3	Calm	S 1			
18	57.90	57.37	25	27	Calm	W 2			2.3
19	58.37	57.94	21.9	27.2	Calm	WSW 2			
20	58.69	57.64	23.4	28.6	Calm	W 2			
21	58.84	57.32	23	28.4	Calm	W 2	SW		3.3
22	57.81	57.36	24	26.5	Calm	W 3			1.3
23	57.34	57.13	25	28	W 2	W 2			
24	57.62	56.98	23.5	28.5	Calm	W 2			.3
25	58.03	57.10	26	28.7	SSW 1	WSW 3			
26	57.71	56.92	26.6	28.6	Calm	WSW 3	W	SW	
27	58.22	57.32	24.5	29.7	Calm	ESE 2			
28	59.34	58.55	24.6	30	Calm	E 2		E	
29	59.20	57.82	23.6	29	Calm	ESE 2			
30	58.46	57.65	23.4	28.7	Calm	W 3			
31	58.96	57.93	23.1	28.4	Calm	S 2			
Mean	58.45	57.57	24	28.3	0.2	2			
Total									75.9

ZAMBOANGA.

[$\phi = 6° 54'$ N; $\lambda = 122° 05'$ E; barometer above sea, 7.1 meters; gravity correction not applied, —1.91 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	59.70	58.47	24.1	28.9	Calm	ESE 2			3.3
2	60.05	58.28	24	28.8	W 2	W 3	W		2
3	59.30	58.07	23.2	28.4	Calm	W 3			
4	59.40	58.20	23.1	28.9	Calm	W 4	W		
5	59.12	58.44	23.5	28.6	Calm	W 4	W		
6	59.10	58.17	23.9	28.9	Calm	W 3			7.6
7	59.28	58.02	23.6	25.9	Calm	W 4		W	5.6
8	58.51	57.07	25.5	28.4	WNW 1	W 3			
9	57.37	56.64	22.8	27	Calm	SW 1		SW	
10	58.28	58.05	23	25.6	Calm	S 2		S	
11	58.91	58.54	24.3	26.7	Calm	SE 1			1
12	59.19	58.36	24.1	27.4	W 1	W 2	W	W	9.9
13	58.72	57.11	23.4	28	Calm	W 3			8.1
14	58.29	57.27	23.9	25.3	WNW 1	W 4	W	W	5.6
15	58.03	57.20	25.6?	26.6	W 1	W 3	W	W	11.9
16	58.28	57.38	25.2	28.6	Calm	W 3			
17	58.93	57.17	23.9	29.6	Calm	W 3			
18	58.17	57.10	24.9	27.8	Calm	Calm			11.2
19	58.07	57.28	25	28.6	Calm	E 2	W		
20	58.94	57.85	23.5	29.7	Calm	E 2		W	
21	59.08	57.30	24.4	28.5	Calm	SE 2			
22	57.31	56.62	24.1	27.5	Calm	Calm		E	
23	57.87	56.83	23.6	28.6	Calm	SE 2			
24	58.54	57.26	23	28.6	Calm	SSE 1			
25	58.22	56.93	22.6	28.6	N 1	W 3			
26	57.42	56.23	23.5	28.6	N 1	W 2			2
27	57.34	56.58	26.6	28.2	W 2	W 2			
28	58.32	57.29	26.6	29.5	WSW 1	W 3			
29	58.70	57.73	24	28.5	Calm	ESE 2			
30	58.94	58.08	23.5	28.5	Calm	SE 1			
31									
Mean	58.58	57.52	24.1	28.1	0.4	2.3			
Total									68.2

OCTOBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	59.55	57.72	24.4	31.2	Calm	SE 3			
2	59.76	58.43	24.2	30.4	Calm	ESE 2			3.6
3	59.69	58.50	23.2	28.9	Calm	W 1			
4	59.13	58.26	24.3	26.8	Calm	WSW 2	E		
5	59.51	58.08	23.1	28.8	Calm	SW 2			
6	59.51	58.45	22.8	29.6	Calm	W 2			
7	59.32	58.89	22.4	28.2	Calm	SW 2			
8	59.44	58.73	24	27.6	Calm	SW 2			
9	60.21	58.96	23.1	29.4	Calm	W 3			
10	59.31	58.10	23.6	28.7	Calm	SW 2			
11	58.71	58.15	23.7	25.8	Calm	NE 1		W	.8
12	58.92	57.82	23	29.4	Calm	W 2		W	3.6
13	59.20	57.60	23.5	29.1	Calm	WSW 1			
14	58.83	58.37	23.6	28.8	Calm	W 3		W	
15	59.06	58.20	24.1	28.2	Calm	SSE 2			
16	59.35	57.84	24	29.2	Calm	W 1			
17	59.31	57.84	23.4	30	Calm	W 1			
18	59.26	58.34	23.9	28.8	Calm	W 1		W	
19	58.33	56.88	24	30.8	Calm	ESE 2			4.8
20	57.85	57.11	24.6	28.8	NE 1	E 1		E	
21	58.86	58.18	23.9	29.2	Calm	E 2	E		
22	60.35	59.48	24.4	29	Calm	SE 1			
23	60.94	59.66	23.6	29.4	Calm	S 1		NE	
24	60.91	59.87	24.4	27.6	Calm	Calm			1.8
25	60.85	59.44	23	29.2	Calm	W 2			
26	60.66	59.28	23.5	28.4	Calm	WSW 1	N		2
27	60.89	59.61	23.9	30	Calm	S 1		E	
28	61.37	60.01	23.5	28.8	Calm	ESE 2			.8
29	61.16	59.82	23.4	28.4	Calm	SW 3			
30	60.80	59.23	24.4	28.5	Calm	WSW 2			
31	59.61	57.91	23.1	30.9	Calm	SE 2			
Mean	59.70	58.54	23.7	29	0	1.7			
Total									17.4

NOVEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	59	57.30	23.8	30	Calm	ESE 2			
2	59.11	58.57	24	30.2	Calm	S 1			
3	59.79	58.74	22.9	28.9	Calm	Calm			2
4	59.32	57.55	22.2	30.2	Calm	W 1			
5	58.22	56.69	23.3	29.5	Calm	SE 2			
6	57.89	57.03	21.9	28.6	Calm	W 4		W	
7	58.62	58	23.6	28.6	Calm	W 3	W		9.7
8	60.31	59.95	25	29.1	Calm	W 1	N		
9	61.59	60.63	24.6	29.1	Calm	SE 2			
10	61.28	59.70	24.2	29	Calm	W 2			7.9
11	60.36	59.28	23.9	30.5	Calm	ESE 3			
12	59.64	58.30	23.5	29.7	Calm	E 3			
13	59.46	58.19	21.7	28.9	Calm	W 3			
14	58.28	57.38	23.4	29.7	Calm	SE 2			
15	58.38	57.16	23.4	29.1	Calm	W 2			
16	57.93	56.73	24	31	Calm	E 2			
17	57.60	56.56	23.9	29.5	Calm	W 1		NE	
18	57.57	56.96	24.3	29.5	Calm	W 2			
19	57.97	57.03	24.3	29.7	Calm	W 2			
20	57.65	55.90	24.4	28.9	Calm	SSE 2	N		5.8
21	56.77	55.87	24.6	29.1	Calm	SE 2			
22	57.07	55.90	24.6	29	Calm	W 2			
23	57.15	56.63	24.4	29.7	Calm	SE 2			
24	58.56	57.04	24.3	29.1	Calm	W 2			
25	58.61	56.98	24.2	31.3	Calm	E 2			
26	58.71	57.70	24.4	28.9	Calm	W 3			1.8
27	59.18		24.1		Calm				
28	59.20	58.45	24.2	29.5	Calm	W 2			
29	59.64	58.18	23.6	28.4	Calm	W 2			
30	58.80	58.14	23.6	28.8	Calm	W 1			
31									
Mean	58.79	57.67	23.8	29.4	0	2			
Total									27.2

DECEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.57	58.03	24.4	28.4	Calm	W 2	E		
2	58.42	57.68	23.8	28	Calm	W 1	N		
3	58.42	57.03	23.9	28.1	Calm	W 1			0.8
4	58.12	57.04	24.9	27.9	E 1	W 1			2
5	58.07	57.04	24	28	Calm	W 1		E	
6	58.21	56.59	24.3	27.2	Calm	W 3			
7	57.26	56.16	23.9	27.6	Calm	W 1			
8	58.03	57.48	22.4	28.6	Calm	W 2			
9	58.39	57.74	22.9	28	Calm	WSW 3			
10	57.69	56.27	23.6	28.5	Calm	W 3			
11	57.63	56.47	24	29	Calm	Calm			.8
12	58.15	57.33	23.6	30.1	Calm	SE 2			
13	58.35	57.18	23.2	28.4	Calm	W 1			
14	58.26	57.19	23.6	29.3	Calm	W 1			
15	58.53		24.2		Calm				28.4
16		58.68		23.2		W 3			
17	59.24	58.40	24.3	32	Calm	NE 1			
18	59.86	58.26	23	28.3	Calm	SSW 2	E	N	
19	59.89	58.88	23.5	30.8	Calm	ESE 3			
20	60.12	59.84	22	29.3	Calm	W 1			
21	60.81	59.82	22.4	28.5	Calm	W 2			
22	60.54	59.23	23.8	30.6	NE 1	E 2			
23	60.42	59.08	21.1	28.5	Calm	W 2			
24	60.03	58.80	23.6	28.1	Calm	W 2			
25	59.72	58.55	22.1	27.6	Calm	W 3			49.5
26	59.03	56.69	23	30.5	Calm	NE 2			7.1
27	58.38	57.13	24	27.6	Calm	W 3			
28	58.66	57.38	24	30.7	Calm	E 1			
29	58.39	57.30	22.1	28.1	Calm	W 2			
30	57.73	57.22	23.6	27.2	Calm	SW 2		N	
31	57.67	56.60	23.4	28.1	Calm	SE 3			
Mean	58.75	57.70	23.4	28.7	0.1	1.9			
Total									88.6

DAVAO.

[$\phi = 7°\ 01'$ N; $\lambda = 125°\ 35'$ E; barometer above sea, 4 meters; gravity correction not applied, −1.91 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.08	57.50	23.2	29	N 1	NNW 2			
2	59.34	57.82	22	28.2	Calm	Variable 2		NE	
3	59.61	55.94	22.9	29.4	Calm	NW 2		ENE	
4	59.64	56.71	23	30.3	N 1	Calm		NE	
5	59.06	56.38	23.2	31.2	Calm	N 1			
6	59.32	56.25	23.6	31.2	NNW 2	NW 1	NNE	ENE	
7	59.34	57.26	22.6	27.6	Calm	N 2		NE	
8	59.29	57.29	22.5	29.4	Calm	Calm		NE	21.8
9	59.68	56.56	23.3	30.2	Calm	Calm		N	
10	57.43	55.78	21.5	31.8	Calm	Calm			23.4
11	57.19	56.11	22	30	Calm	N 1			
12	57.80	56.32	22	31.4	Calm	Calm		N	
13	58.25	57.23	23.1	32.1	Calm	Calm	ENE	NE	
14	59.69	57.74	22.9	30.2	Calm	NNW 2		NE	
15	58.02	56.43	22.7	30.9	WNW 1	SSW 1		ENE	
16	57.80	56.29	24	31.6	Calm	SSW 1		NW	8.4
17	59.02	56.94	22.5	28.5	Calm	NW 1		NE	
18	59.14	57.68	23	30.4	NW 1	NNW 1			22.1
19	57.89	56.91	22.5	30.1	Calm	Calm			
20	58.88	57.46	23.5	30.9	Calm	NW 1			
21	58.46	56.80	22	31	WNW 1	Calm			7.1
22	58.58	56.31	21.5	30.2	Calm	NW 1			
23	57.60	55.30	21.5	30.9	N 2	NNW 2	N	N	
24	56.44	54.63	22	32	Calm	Calm			
25	57.58	55.18	22	30.9	Calm	NW 1			
26	57.29	55	22.1	31.5	N 1	Calm			
27	56.89	55.57	23.5	30	Calm	N 2		NE	
28	57.77	55.32	22.1	31.6	Calm	NW 1			
29	57.66	55.32	21.5	31.6	Calm	Calm			
30	57.16	56.04	21	29	Calm	NNW 1			
31	57.34	55.54	22.1	28	Calm	Calm			
Mean	58.33	56.37	22.5	30.4	0.3	0.8			
Total									82.8

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.45	56.31	21.4	32.6	Calm	N 1			
2	57.84	55.91	21.9	31.6	N 2	N 1	NE		
3	58.81	55.88	22	32.6	NNW 1	N 1			
4	58.68	56.09	21.7	32.2	Calm	NNW 2		NE	
5	58.21	56.40	23	29.2	N 1	Calm		ENE	26.7
6	58.14	56.17	23.2	25	N 2	NNW 1		NE	
7	58.56	56.99	23.3	24	Calm	Calm			23.6
8	58.30	57.15	22.2	28.2	N 1	NNW 2	NE	NE	
9	57.70	55.41	21.1	30.7	Calm	Calm			
10	59.19	57.29	21	32	NW 1	NW 1			
11	60.77	58.20	21.5	31.1	Calm	WNW 2		NE	
12	60.19	58.97	22	27.5	N 1	Calm		E	
13	59.62	57.56	22	30.3	Calm	NNW 2			
14	59.18	56.13	22	30	N 1	Calm			
15	57.69	56.31	22	30	Calm	Calm			
16	57.20	54.70	24	30.5	Calm	Variable 2			
17	56.99	55.23	23.8	31.2	NE 1	NNW 2			
18	57.47	55.57	24	30	Calm	SW 1			13.7
19	58.66	56.31	23	30.1	NW 1	N 1			
20	58.19	56.83	23.6	32.3	Calm	N 2		N	
21	59.87	56.27	24.3	29	N 1	SW 1		SW	24.6
22	58.20	56.64	23.2	29	Calm	Calm			21.8
23	58.79	56.46	22.9	30.1	Calm	N 1			18.3
24	58.65	56.83	23.5	32	Calm	Calm		N	
25	60.66	58.17	22.1	30.1	N 1	NW 1			
26	59.34	56.89	23	31.5	Calm	NNW 1			
27	59.08	57.11	23.5	31.2	Calm	N 1			
28	58.57	56.51	23.5	31.3	N 1	NW 2			18.3
Mean	58.68	56.58	22.7	30.2	0.5	1			
Total									147

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.07	56.68	24.3	32.1	N 1	Variable 2			
2	58.92	56.96	23	31.9	Calm	NE 1			53.3
3	58.99	56.96	23.2	32.3	variable 2	Variable 2	NW	WNW	29.5
4	59.63	57.57	23.1	31.5	Calm	Variable 2		N	
5	59.57	58.05	23	30.5	Calm	Calm			
6	60.16	57.43	22.5	31	Calm	NE 1		NNW	
7	59.93	57.02	21.3	31	NE 1	ENE 1		NW	
8	59.58	57.25	21.5	30.7	Calm	NE 1		NW	16
9	58.95	57.25	20.5	31	Calm	N 1			
10	58.22	56.24	22.5	30.3	N 1	NE 1			
11	58.54	57.21	22.3	30.1	ENE 2	N 1			
12	60.31	58.57	22.6	30.8	Calm	NE 1			
13	60.08	56.96	21.2	32.2	ENE 1	Calm			
14	59.07	57.11	21.9	31.3	Calm	N 1			
15	58.27	56.70	22.5	31	NE 1	ENE 1		NW	
16	58.66	56.46	23	30.1	NE 1	Calm			
17	58.33	56.47	23.3	30.9	ENE 1	NE 1			
18	59.12	57.39	22	30.5	Calm	Variable 2			27.9
19	59.22	57.14	22.2	32.9	E 2	ENE 2	N		17.5
20	59.54	57.17	22.1	31.7	Calm	NW 2		NW	
21	59.76	57.16	22.4	33.3	Calm	NNW 2		NW	
22	59.58	57.51	22.8	33.4	Calm	N 2			
23	59.77	57.40	21.5	32.7	N 1	NW 1		NW	
24	59.22	57.50	21.9	32.3	Calm	N 2		N	
25	59.79	58.17	22.5	31.6	Calm	NNW 1			
26	60.06	58.34	22.6	32.1	N 1	NE 1		NE	
27	60.73	58.62	21.5	31	N 1	Calm		N	
28	60.11	58.20	22	31.4	N 1	N 2			
29	60.05	57.43	21.8	30.4	Calm	N 1			
30	58.72	57.56	24	27.3	Calm	Variable 2		N	29
31	58.06	55.87	23	29.8	Calm	NW 1		NW	
Mean	59.36	57.30	22.4	31.3	0.5	1.2			
Total									173.2

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.28	55.40	23.5	30.7	NE 1	ENE 2			
2	57.39	55.78	23	31	Calm	Variable 2		N	
3	57.80	56.68	22.5	31	Calm	Variable 2		NW	13
4	58.41	56.36	22.5	31	N 1	N 1		N	
5	58.57	56.11	23	31.6	Calm	Calm		N	8.4
6	57.71	55.90	23	31.3	N 1	NW 1		NW	10.7
7	57.50	55.34	23.6	30	N 1	NW 1			
8	57.55	55.36	24.1	30.6	N 2	Calm	N		
9	56.97	55.58	23.8	31.2	NE 1	NW 1		N	33
10	57.19	55.30	25.1	31.5	Calm	Calm			14.2
11	57.03	55.06	25	32	Calm	NNW 1		NW	
12	57.58	55.45	24	34.2	N 1	NW 1			
13	57.85	55.74	23.3	34.5	N 1	NE 1		NE	
14	57.07	55.37	24.1	30	N 1	NW 2			23.1
15	58.04	56.06	22.8	32.6	Calm	ENE 1			
16	58.19	55.98	24	31.5	NE 1	ENE 1	NE	NE	23.6
17	58.64	56.31	23	30.1	Calm	NW 2		NW	
18	58.20	56.40	22.9	33.7	NE 1	NE 1			10.9
19	58.39	57.68	22.7	28.5	Calm	ENE 2		ENE	
20	58.98	57.79	23.5	30	Calm	Calm			
21	59.54	58.49	23.3	27	NE 1	N 1		N	
22	58.29	56.56	23	27.8	Calm	N 2			8.6
23	57.39	56.38	22.5	31.5	N 1	Calm			
24	58.53	56.30	23.5	31.3	Calm	NE 2			
25	60.53	58.11	24.6	31.2	Calm	NNW 1			
26	59.91	57.01	24.6	32.4	NE 1	NW 2		NW	
27	60.02	57.97	23.3	32.3	Calm	NE 1			20.6
28	58.97	56.35	23.1	31.9	Calm	NE 1			13.5
29	58.63	56.33	23.6	31.8	Calm	NE 1			18.8
30	58.76	57.36	24.4	30.6	Calm	NE 1		NE	
Mean	58.23	56.35	23.5	31.2	0.5	1.1			
Total									198.4

The barometric readings of this station do not seem to be very reliable.

DAVAO.

[$\phi = 7°\ 01'$ N; $\lambda = 125°\ 35'$ E; barometer above sea, 4 meters; gravity correction not applied, —1.91 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.64	57.34	22.3	29.4	N 1	Calm		NE	
2	58.66	57.05	22.5	28	NW 1	NW 2	NW	N	21.1
3	58.88	57.32	21.7	30	Calm	Calm			
4	59.39	58.09	23	30	NE 1	SW 1			
5	60.09	58.75	23	31.5	N 1	Calm	N		
6	60.16	58.16	23.1	30.9	NE 1	WSW 2	NE		
7	59.60	57.47	22.6	30.5	Calm	Calm			
8	59.46	57.26	23.5	31.4	ENE 1	W 2		W	
9	59.52	57.30	23	31.2	NW 1	W 1	NW	N	
10	59.52	57.33	24.4	31.8	Calm	SW 2		SW	
11	58.58	56.92	23	30.9	Calm	WNW 1		NE	
12	58.17	56.41	22.6	31.5	Calm	NW 1		NW	24.9
13	58.27	56.55	22.5	31.3	WNW 1	SW 1			
14	58.68	56.32	23.8	31.4	Calm	Calm			27.2
15	58.15	56.68	23.5	29	Calm	SW 2			
16	58.71	57.23	24.2	31.3	Calm	SW 1		SW	26.9
17	58.26	56.97	23	29	Calm	Variable 2		SE	13.5
18	58.86	57.37	22.6	30	Calm	SW 1		SW	27.7
19	58.11	56.59	23.2	29	Calm	WSW 1		WSW	14
20	57.89	56.27	24.5	29.4	N 1	SW 1			6.6
21	58.16	56.03	23.5	31.5	Calm	W 1			18.8
22	57.20	55.96	23.5	30.3	Variable 2	Calm	SW	NE	
23	57.50	55.27	23.5	29.8	ENE 1	NW 1		NW	
24	57.21	55.29	23	30.4	Calm	Variable 2		SW	
25	57.90	56.23	23.5	29.3	Calm	Variable 2	NW	SW	
26	58.04	56.37	23.6	30.5	SE 1	Variable 2			
27	58.68	56.30	23.5	30.8	Calm	Calm		SSW	33.5
28	58.03	55.88	24.4	30.5	ESE 1	Variable 2		NW	
29	57.63	55.53	23.7	30.5	Calm	SW 1		SSW	26.2
30	57.77	56.27	23.9	30	Calm	Variable 2		WSW	11.9
31	57.79	56.36	24	31.2	Calm	Variable 2			
Mean	58.50	56.74	23.3	30.4	0.5	1.2			
Total									252.3

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.33	57.33	23.5	30.3	SE 1	WSW 1			6.4
2	59.50	57.36	23.6	30.5	Calm	SW 1			
3	59.38	57.40	23.7	30.7	Calm	SW 1			
4	59.09	57.18	22.6	30.8	Variable 2	Variable 2			
5	57.79	56.55	23.1	29	Calm	Calm		SW	25.9
6	58.37	56.94	22.5	29	NE 1	Variable 2			2.5
7	58.35	56.63	24.2	29	Calm	SW 1	NW		
8	58.15	56.92	23.5	30.5	Calm	Calm	SW	SW	
9	58.15	56.50	24	31.5	SW 1	NW 1			
10	58.89	57.87	23.5	31.5	Calm	Calm			
11	58.25	56.08	23.5	31.8	Calm	Calm			
12	58.47	56.62	24	30.5	SW 1	Variable 2		SW	52.1
13	60.63	57.77	23.7	31	Calm	SW 1			
14	59.88	58.12	23.5	31.6	ENE 1	Calm		NE	
15	59.95	58.12	24	31	NE 1	Calm		N	
16	58.64	57.68	23.5	30	Calm	Calm			
17	58.86	56.10	22.5	31.2	SW 1	NW 1			
18	58.23	56.30	23	30.7	Calm	WNW 1			
19	58.65	57.02	24	30	WSW 1	Calm	SW		17
20	58.76	57.17	22.7	31	Calm	Calm			7.6
21	59.95	57.41	24	31.6	Calm	NW 1		NW	10.2
22	61.37	58.63	23.5	29.6	SW 1	WSW 1	SW		23.1
23	60.63	59.02	22	29.3	S 2	Variable 3		NE	
24	59.99	57.71	23	27.5	Calm	Calm			18.8
25	59.97	56.74	23	29.4	Calm	SW 1			
26	58.41	57.14	22.2	30	S 2	Calm			
27	57.81	57.32	23	30	S 1	Calm			
28	58.67	56.17	22	30.1	Calm	SW 1			
29	57.09	55.57	23	30.5	SE 1	Calm			
30	57.24	55.21	23	30.4	Calm	WSW 1			
31									
Mean	58.95	57.09	23.2	30.3	0.6	0.7			
Total									163.6

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	56.93	55.22	23	30.3	S 1	Variable 2	N	NW	
2	58.26	57.69	23.5	26.8	Calm	Calm	NW	S	
3	58.96	56.73	22.5	30.4	E 1	SW 1			
4	58.41	55.96	23	32.5	Calm	Calm			
5	57.98	56.65	23	29	Calm	SW 2			20.6
6	58.16	56.01	23.5	31.8	NW 1	Calm			13.7
7	58.58	56.33	23.6	29	Calm	Calm	NW		
8	59.69	58.26	22.5	26.5	S 2	WSW 1			1.3
9	58.52	56.95	23	32	SW 1	Calm		S	
10	58.63	57.50	24	28.6	Calm	S 1	NW		18.5
11	58.83	56.84	24	29.4	Calm	S 1			
12	58.56	56.39	23	29	Calm	S 1	N	N	
13	56.95	56.24	23.5	29.5	Calm	Calm		N	
14	57.91	56.22	23	30.3	Variable 2	Variable 2			
15	58.04	57.45	23.5	26.1	Calm	Calm			
16	59.06	57.31	22.5	31.9	Calm	Calm		S	
17	58.21	56.05	23	30.9	S 2	SW 1			
18	58.32	55.91	22.5	30.5	W 1	Calm		NW	
19	57.89	55.64	24	29.3	Calm	Variable 2	NW	WNW	
20	57.54	55.43	24	29	Calm	SW 1	NW		
21	57.55	55.20	23.5	33	Calm	Variable 2		NW	
22	56.70	55.36	23.6	31.7	Calm	NW 2		NW	
23	56.73	55.40	24.5	31.2	Calm	Calm			
24	57.26	55.81	25.6	30.8	N 1	W 1	NW	NW	
25	57.23	55.50	24.5	31.5	Calm	Variable 2		NW	
26	57.38	55.15	24.3	31.8	Variable 2	Variable 2		NW	22.1
27	57.92	57	25	28.2	Calm	Calm		NW	36.8
28	57.48	56.84	23	28.5	Calm	Calm		NW	
29	57.22	55.74	22.5	29	Variable 2	Calm			15.5
30	57.30	56.26	23.5	30.5	Calm	Variable 2		W	
31	57.74	56.77	24	31	Calm	Variable 2			
Mean	57.93	56.32	23.5	30	0.5	0.9			
Total									107.9

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.21	56.36	23	30.4	SW 1	SW 1			
2	58.50	56.94	24.6	30	SSW 1	Variable 2			
3	58.65	56.54	23.5	29	Calm	WNW 1		WNW	
4	58.59	56.50	23	29	SW 1	Variable 2		WNW	
5	58.61	57.32	25.3	30.1	Calm	Calm			20.6
6	60.07	56.52	23.6	30	S 2	Variable 2		NW	
7	58.06	56.05	23.5	31.6	Calm	Calm		W	
8	56.86	55.38	23	30.4	SW 1	WSW 1		SW	26.4
9	56.71	55.16	23	30.2	SW 1	Calm			
10	56.09	55.07	23.1	31	W 1	Calm		SW	
11	57.05	55.67	23	31.2	Calm	Calm			
12	57.75	56.05	23.7	31.3	SW 1	WSW 1	SW		
13	57.89	56.54	23	29.8	Variable 2	Variable 2			
14	58.56	57.32	23	30.3	Calm	Variable 2			
15	59.53	58.44	23	31.1	Calm	SW 1			
16	59.58	57.92	23	29.5	NW 1	Calm		W	
17	59.67	57.99	22.2	28.5	Calm	Calm	E	W	19.3
18	57.46	55.67	22.6	30.1	Calm	WNW 1		W	
19	57.88	56.41	22	30.7	NW 1	Variable 2		N	
20	58.25	55.60	21.5	31.9	Variable 2	NW 1			
21	58.26	56.26	23.4	30.8	Calm	WNW 1			23.1
22	57.42	55.38	22.8	28.8	Calm	Calm			29.2
23	57.70	55.56	22	28.5	Calm	WSW 1			
24	57.32	55.37	22.3	29.8	Variable 2	Variable 2		NW	
25	57.50	55.62	21.8	29.5	Calm	Calm			
26	57.11	55.17	22.9	30.3	NW 1	Calm			
27	58.34	57.07	22.5	30	Calm	Variable 2		N	
28	59.22	57.86	23.5	30	Calm	Variable 2		NW	
29	58.97	56.92	23.4	30.4	Calm	Variable 2			
30	58.13	56.76	23.5	31	Variable 1	Variable 2			
31	59.01	56.92	24.8	30.6	Calm	NW 1			19.8
Mean	58.16	56.40	23.1	30.2	0.6	1			
Total									138.4

DAVAO.

[$\phi = 7°\ 01'$ N; $\lambda = 125°\ 35'$ E; barometer above sea, 4 meters; gravity correction not applied, −1.91 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	60.38	58.48	23	30.3	Calm	Calm	NW	NW	21.1
2	59.82	57.11	22	30.8	NW 1	Variable 1			
3	58.84	56.92	23.1	30.5	SW 1	Variable 2	WNW	NW	
4	58.80	56.37	23.9	32	Calm	Calm			
5	59.12	56.92	22.2	30.4	Calm	Calm		N	
6	58.56	56.33	22.3	30.8	NW 1	NW 1			24.6
7	58.94	56.97	22.5	29.4	NW 1	Variable 2			27.2
8	57.80	55.82	21.5	29.5	Calm	Calm			
9	57.42	55.83	22.5	30.3	Calm	NNW 1			
10	58.10	57.41	23.5	27.5	SSW 1	Calm		NNW	
11	59	56.84	23	29	Calm	Variable 2		NW	13.5
12	59.66	56.95	23.4	29.6	NW 1	WNW 1		WNW	6.9
13	58.41	55.89	22.5	29.2	Calm	Variable 2			
14	57.34	55.29	23.3	27.8	Calm	Variable 2		N	
15	57.07	55.21	23.5	30.5	NW 1	Calm			
16	57.40	56.29	23.5	29	Calm	NW 1	SW	SW	
17	57.84	56.44	23.6	30.5	Calm	NW 1	NW		
18	57.17	56.27	23.8	29.5	N 1	Variable 2			8.6
19	57.84	56.89	23.5	29	Variable 1	Calm	W	SW	
20	59.26	57.12	24	30.3	Calm	Variable 2			
21	58.78	56.09	24	30.1	Calm	Calm			123.7
22	57.41	55.23	23	28.7	NW 1	Calm	NW	W	
23	57.07	55.76	23.7	30.3	Calm	WNW 1			
24	57.82	56.85	23.5	31	Calm	N 1			
25	57.80	57.04	23	30.5	Calm	Variable 2			
26	56.63	55.05	23.9	30.9	Calm	Calm			
27	57.09	55.35	23.6	31	Calm	Variable 1		NW	
28	58.37	56.25	24	30.5	Calm	Variable 1			
29	58.71	56.30	22.2	31.2	Calm	Calm			17.8
30	59.16	56.77	22.5	30.2	Variable 1	Variable 2		NW	11.4
31									
Mean	58.25	56.40	23.1	30	0.4	0.9			
Total									254.8

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	59.33	57.89	22	29.1	Calm	SW 1		SSW	
2	59.76	57.99	22.4	31.5	NW 1	Calm		NE	
3	59.76	57.20	22.5	31.3	Calm	NW 1			17.5
4	59.36	57.35	24.5	30.9	WNW 1	NW 1			
5	59.63	57.22	22	30.7	NW 1	Calm			
6	59.21	57.62	22.5	30.6	Calm	SW 1			
7	59.49	58.19	22.9	29.3	NNW 1	Calm		NE	
8	60.15	57.57	21.8	31.7	NW 1	Variable 2			
9	60.22	57.37	23	31	Calm	Variable 2		NW	21.3
10	59.21	56.70	22.1	31.7	Calm	Calm			87.1
11	58.92	57.04	23.2	26.5	Calm	Calm	SW	WNW	15.7
12	58.51	56.03	22	31.7	NW 1	WNW 2			13.5
13	59.39	56.99	23.4	29.5	NW 2	Calm		WNW	8.9
14	58.88	56.34	23	30.3	Calm	Variable 2			
15	58.94	57.22	23	30	Variable 2	Calm			7.9
16	59.47	57.12	22.5	30.2	NE 1	Calm		NE	14.7
17	59.16	57.13	22.5	30.5	Calm	ENE 1		NE	23.4
18	59.49	57.21	22.5	30.4	NE 1	NE 2		ENE	
19	58.77	56.64	23.7	29	Calm	N 2		N	
20	58.50	56.71	23.3	30.9	N 1	NE 2			14
21	59.31	58.04	23	29.3	Calm	Calm		N	
22	60.51	59.19	23	30	Calm	N 1			18.3
23	62.64	58.88	23.3	31.6	NE 1	NE 1	NE		
24	61.08	58.98	23	30	Calm	Calm		NE	3.8
25	59.91	58.86	22.3	31	N 1	ENE 1			4.6
26	60.69	58.42	22	31.2	Calm	E 2			
27	60.99	58.44	23	31.8	Calm	NE 1			
28	61.51	59.10	22.5	31.6	Calm	N 1		N	3.3
29	61.54	59.10	22.5	31	Calm	Calm			5.1
30	60.48	58.26	23.5	31.5	N 1	NE 2			
31	59.63	57.26	23.1	31.5	Calm	Calm			
Mean	59.82	57.68	22.8	30.6	0.5	0.9			
Total									259.1

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	59.18	57.54	23	30.1	Calm	NE 1		NE	
2	59.31	57.17	22.5	31	N 1	NE 1		ENE	
3	59.66	57.38	22.5	31.3	Calm	Calm		NE	19
4	57.75	55.80	22.2	30.5	NE 1	ENE 2		E	
5	57.25	55.55	23.5	30.7	Calm	N 2		NE	
6	57.05	55.28	21.5	30.4	N 1	Calm		NE	
7	58.40	56.41	21	30.3	Calm	N 1			16.3
8	60.81	59.27	22.2	30.4	NE 1	Calm		NE	
9	62.14	60.31	23	30.7	NE 2	Calm		NE	
10	62.14	59.52	23	30	Calm	NE 1			
11	61.23	59.33	23	30	Calm	N 1		NE	
12	60.78	58.27	21	30.1	NE 1	NE 1			
13	60.18	58	23.5	31	Calm	NE 1			
14	58.93	57.24	23	28.5	Calm	NE 1		NE	
15	58.88	56.81	22	30	Calm	NE 1			10.7
16	58.66	56.75	22.5	30.3	NE 1	N 1		NE	
17	58.41	56.46	24	29	Calm	NE 1	NE		25.1
18	58.07	56.46	22.5	30	ENE 1	NE 2			
19	59.01	56.70	22.5	30.5	Calm	Calm		NE	18.5
20	58.10	56.86	23.2	27	NW 1	NE 2		NE	
21	57.37	55.31	22.3	30.4	N 1	Calm			
22	57.41	55.45	23	29.8	Calm	NE 2		NE	
23	57.65	55.36	23.5	31	NW 1	ENE 1			
24	58.20	56.23	23.4	30.5	Calm	Calm			
25	59.68	57.11	23.5	30.5	Calm	NE 1			2.3
26	59.03	57.07	23.5	31.3	Calm	ENE 1			
27	59.23	57.82	22.5	28	NE 1	Calm			
28	58.74	57.46	22	30.5	Calm	NE 1			
29	60.82	57.66	22	31.9	N 1	ENE 2			
30	59.73	57.79	23	31.4	NW 1	Calm			
31									
Mean	59.13	57.15	22.7	30.2	0.5	0.9			
Total									91.9

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.97	57.23	22.5	30.1	Calm	NE 1			
2	58.67	56.16	23.2	30.2	ENE 2	NW 2			
3	58.25	56.85	23	30.3	NE 1	NE 3		NE	1.3
4	58.60	56.85	23.5	30.3	Calm	Calm			
5	58.05	56.08	23.6	30.7	ENE 2	NNW 1			
6	57.38	55.44	22.5	31.4	NW 1	WNW 1			24.4
7	57.17	55.12	22.5	30.7	Calm	NE 1			14.5
8	57.95	56.25	23.4	30.4	NE 2	NE 1			12.2
9	58.74	56.30	23.1	28.9	Calm	Calm		NE	
10	58	55.61	23.5	30	N 1	NW 1			17
11	57.85	56.45	23.3	28	NE 2	Calm	ENE		
12	58.02	56.23	22.5	30.5	Calm	ENE 1			
13	58.20	56.36	22.5	30.6	NE 1	Calm			
14	58.72	57.69	22.5	26.3	NE 2	Calm			9.7
15	59.31	57.40	22.5	30	Calm	Calm			13
16	60.07	58.44	23	29.5	NE 1	ENE 2		NE	
17	60.48	58.36	23.5	30	Variable 2	Calm			
18	60.66	58.58	22.5	30.4	Variable 2	Calm		N	
19	60.34	58.32	21.5	30.3	Calm	NE 1		N	
20	60.16	58.18	22.5	30.2	Calm	Calm			21.8
21	61.46	59.58	23	29.5	NE 2	Variable 2		NE	
22	61.57	59.89	21.1	30.9	NE 1	Calm			
23	60.64	58.62	21.5	30.2	Calm	Calm			
24	61.68	58.82	23.5	30	NE 2	NE 3	ENE	ENE	
25	60.97	59.14	23.6	28	Calm	NE 1		NE	
26	61.64	58.07	23.3	28	Calm	Calm	N	NE	17
27	59.08	56.73	24	28	NE 1	Calm		NE	11.7
28	59.96	57.44	23.7	28.5	Calm	Calm	NE	NE	23.6
29	58.78	56.58	21	29.8	ENE 2	Calm	NE	NE	14.5
30	58.24	56.21	23	30	NNE 1	NE 1		ENE	6.1
31	58.19	56.35	22	28	Calm	NE 1		NE	11.7
Mean	59.28	57.27	22.8	29.7	0.9	0.7			
Total									198.5

BUTUAN.

[$\phi = 8°\ 56'$ N; $\lambda = 125°\ 32'$ E; barometer above sea, 2 meters; gravity correction not applied, —1.88 mm.]

JANUARY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	60.65	59.33	22.7	26.4	ENE 1	Variable 1	ENE	ENE	5.4
2	60.23	58.50	24.1	27.6	SE 1	WSW 3	W	ENE	12.7
3	60.99	59.95	21.6	24.6	NNE 1	N 1	EbyN	NNW	3.8
4	61.35	59.47	23.6	26.5	SE 1	NE 1	NE	EbyS	4.6
5	61.25	59.34	22	28	E 1	N 3	EbyN		
6	60.47	58.95	22.3	25.1	Variable 1	Calm	NW	E	39.4
7	60.68	59.07	22.9	25.6	SE 1	N 1		E	14.8
8	60.63	58.80	23	25.4	SSW 1	N 2		E	12.2
9	59.11	57.45	22.8	27.6	NE 1	N 3		E	3.3
10	57.99	56.95	21	25.7	E 1	ESE 1		EbyN	8.9
11	58.04	56.82	20.6	28.1	Calm	NNE 2			
12	58.41	57.16	23.7	28.9	SE 1	N 3			.3
13	59.05	58.35	24.4	28	SE 2	N 3		WNW	13.2
14	60.13	58.43	23.7	27.9	SSE 2	N 3		E	4.9
15	59.38	57.62	22.5	27.6	ESE 1	N 3		NW	1.5
16	58.55	57.68	24.1	28.2	Calm	N 3	NbyW	E	
17	59.73	58.03	23.5	26.8	SE 2	ESE 2		E	.6
18	60.23	57.95	22.8	29	SE 1	N 2		Variable	3
19	59.67	57.91	22.4	28.6	E 1	N 3		E	.3
20	59.68	58.78	23.2	28.5	Variable 1	N 4	E	E	
21	59.87	58.18	22.5	25.9	SE 1	Variable 1		EbyN	3.8
22	59.81	57.77	21.6	28.6	Variable 1	N 3		SSE	
23	58.57	56.71	21	27.8	Calm	NNW 4		ENE	1
24	57.48	55.99	21.3	26.5	ESE 2	E 1		E	.8
25	58.45	56.34	22	29.4	Calm	NNE 2		ESE	
26	58.10	56.07	22.4	27.6	SE 1	WSW 2	E	E	3
27	57.47	56.11	23.1	28.5	SE 1	E 3		Variable	10.2
28	57.15	55.62	23	29.7	E 1	SE 2	SE	E	7.4
29	57.76	56.38	23.8	28.4	ESE 2	N 3	SE	E	.3
30	58.07	56.68	22	28	Calm	N 1		NE	.8
31	58.02	57.04	23.1	27.9	SE 1	SE 2		EbyN	5.6
Mean	59.26	57.72	22.7	27.5	1	2.2			
Total									161.8

FEBRUARY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.07	56.42	22	28.5	SE 2	Variable 3	SSE	Variable	
2	59.14	58.08	20	28.2	SE 1	N 3			
3	59.26	58.04	20.7	28.7	Variable 1	W 3	ENE	ENE	
4	59.85	58.19	21.2	28.4	Variable 1	Variable 2		NEbyE	0.8
5	59.79	58.54	20	26.2	SE 1	NNE 1	NE	ENE	29
6	58.98	57.68	22.5	22.6	SW 1	Calm	ENE	EbyN	147.5
7	59.45	58.67	22.3	23.3	SE 3	S 3	EbyN	E	21.3
8	59.27	58.07	21	26.1	SW 1	Variable 2	NE		
9	59.22	58.02	20.5	25.5	Variable 1	NW 3	NNW	NW	11.4
10	60.28	59.24	20.4	27.7	Calm	N 3	ENE	Variable	
11	61.63	59.83	22.8	28.1	ESE 1	N 3	E	E	12.7
12	61.30	60.15	21.9	26	Calm	E 1		E	.5
13	60.79	59.19	22.6	27	Calm	NNW 3	Variable	NbyW	.5
14	60.03	58.05	19.9	27	Calm	NNW 4	NNW	NW	7.4
15	58.08	56.85	23.5	27.7	Variable 1	NW 4	NNW	NW	11.4
16	57.70	56.54	24.5	24.9	Variable 1	N 3		N	62.5
17	57.39	56.17	23.6	28.5	Calm	NW 3		NW	
18	57.96	57.03	24	28	SE 1	NNW 3		NW	.5
19	59.19	57.65	24.7	27.7	SE 2	N 3	E		36.6
20	60.52	58.89	23.6	26.3	Calm	N 1			.3
21	60.17	57.85	23.6	26.6	Calm	NW 3		NW	31.2
22	58.81	57.30	23.6	25.3	Variable 2	NW 3	NNW	NW	96.7
23	59.33	58.79	24.5	27	N 5	NNW 4	NNW	NW	17.8
24	60.72	59.82	23.9	27	NW 2	NW 7	NNW	NW	
25	61.05	58.85	24.2	28	N 1	NW 3	N	NNW	
26	60	58.34	21.6	28.5	Calm	NNW 4		NNW	
27	59.55	58.03	22.5	27.6	E 1	NNW 3	NW	NW	1.3
28	59.40	58.26	23.4	28.3	Calm	N 3	NW		18.8
Mean	59.53	58.16	22.5	27	1	2.9			
Total									508.2

MARCH.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.94	58.93	24.8	27.2	Calm	NW 3	NNW	NW	4.6
2	59.72	58.48	23.2	27.8	Calm	NNW 3			
3	59.84	58.38	21	28.1	Calm	NNW 3			
4	60.70	59.37	21.5	25.5	Calm	SE 1	N	N	9.4
5	61.05	59.79	21.1	27.5	E 1	NW 3		NNW	
6	61.10	58.87	21	27.7	SE 2	NW 2	SSE		
7	60.09	58 38	19.1	28	SE 1	N 3			
8	60.11	58.39	19	28	SE 1	NNW 3			
9	59.54	58.78	21.4	27.9	Calm	N 4			.5
10	58.71	57.63	22.4	28.1	Calm	N 3	NW	NNW	
11	58.92	57.52	23	29.2	Calm	NNW 3			
12	60.40	59.06	23.9	31.1	SSE 3	SSE 3		EbyS	
13	60.78	59.37	23.7	28.4	ESE 2	N 1	EbyS	E	1.5
14	60.04	58.19	20.6	28.8	Calm	NNW 3	ESE	E	
15	59.23	57.36	21.1	29	E 1	NNW 3			
16	59.45	57.61	23.8	28.5	ESE 2	NNE 1			34.1
17	59.14	58.29	23.3	26.1	ESE 2	N 1			.8
18	60.03	58.33	22.8	28.6	S 1	NNW 3	N		
19	60	58.87	22.6	28.8	ESE 1	WNW 4	NW		
20	60.63	59.12	20.8	28.1	NE 1	NW 4		NW	.3
21	60.55	59.22	22	28.6	E 2	N 4			
22	60.59	59.08	22.5	28.2	E 1	W 1	ENE	NE	3.3
23	60.74	58.90	21.5	29.4	ESE 1	N 4		E	
24	60.38	59.41	23	28.9	S 2	W 3	SE	ENE	
25	60.92	58.86	22.1	28.7	ESE 1	NW 2	ESE	Variable	
26	61.05	60.26	23.4	25.7	SE 2	Variable 1			3
27	61.60	59.45	22.7	29.9	SE 1	N 3		Variable	
28	61.13	59.05	21.7	28.8	SE 1	NNW 3	SE	E	.8
29	60.64	59.69	23	27.5	ENE 2	NNW 2	EbyN	EbyN	37.5
30	60.33	59.54	23.7	24	E 2	NNW 2	ENE		85.4
31	59.12	57.61	22.5	25.8	N 2	NNW 2			1.8
Mean	60.21	58.77	22.2	28	1.1	2.6			
Total									183

APRIL.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.32	55.76	23	28.1	Calm	NW 3	SE		
2	58.63	56.67	22.5	27.9	SE 1	N 1		Variable	0.8
3	58.27	57.95	24.1	25.5	SE 4	NE 1		EbyS	22.1
4	59.19	57.47	23.6	27.8	S 3	N 1	E	E	2.3
5	59.02	56.89	23.5	27.6	N 1	NNW 3	N	NNW	
6	58.59	57.38	24	28.1	S 1	NNW 3	Variable		
7	58.27	56.03	23.7	29.6	Calm	N 2		Variable	.5
8	58.17	56.06	24	29.1	S 2	NNE 2		Variable	
9	57.84	56.20	24.4	26.8	S 4	NNE 2	E	Variable	9.9
10	57.73	56.08	25.1	28.7	SE 3	S 2	EbyS	Variable	
11	57.46	55.93	25	27.6	SE 3	S 3		Variable	9.2
12	58.40	56.55	24.9	30.1	SE 2	NW 2	SEbyS		
13	58.80	57.28	23.4	29.9	SE 1	NW 2		Variable	.5
14	58.50	56.62	24.5	29.6	SE 1	NW 1	E	E	7.1
15	58.09	56.16	23.5	29.9	SE 1	N 3	SbyE		
16	58.97	56.84	24.1	29.9	ESE 1	N 3	S		
17	59.24	57.31	24.4	29	ESE 2	N 3			
18	59.42	57.38	23.5	30.2	E 2	N 3	NW		
19	59.35	58.65	24.1	29	Calm	N 2	N		
20	60.32	59.58	24.3	25.6	ENE 1	Variable 1	NbyW	NE	4.3
21	60.73	59.31	24	26.1	Calm	NNW 3	ENE	NNW	2
22	59.12	56.84	23.4	28.6	NNE 1	N 3	NNW		
23	58.23	56.79	23.5	28.7	SE 3	NNW 3			4.8
24	59.17	57.46	24.6	29.7	ESE 2	NW 4	S		.5
25	60.49	58.90	24.2	28.9	SE 3	NNW 3	SSE		
26	61.25	57.77	24.2	31	SE 2	NNW 4	SSE	Variable	
27	60.53	57.82	24.4	29	SE 3	NNW 4	SSE	Variable	
28	59.24	57.03	24.5	31.1	SE 3	NNW 3	SE	Variable	
29	59.28	57.36	24.6	29.9	SSE 2	N 3	S	E	
30	59	57.78	23.8	30.5	ESE 2	N 4	NWbyN		
Mean	58.99	57.20	24	28.8	1.8	2.6			
Total									64

The barometric readings of this station seem to be too high by about 0.30 mm.

BUTUAN.

[$\phi = 8°\ 56'$ N; $\lambda = 125°\ 32'$ E; barometer above sea, 2 meters; gravity correction not applied, —1.88 mm.]

MAY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.32	57.92	24.5	27.6	ESE	1	NW	1	NW	NNW	9.7
2	59.09	56.76	24.5	30.9	SE	2	N	4	S	Variable	6.6
3	58.39	57.41	24	28	ESE	2	N	3	------	Variable	------
4	59.55	57.67	23.7	31.8	SE	3	S	3	S	Variable	7.9
5	61.04	58.66	23.2	29.7	Calm		NNW	4	------	Variable	------
6	60.78	58.53	24.6	27.5	SE	1	S	1	------	Variable	.5
7	60.43	58.19	24.5	29.8	SW	1	N	3	------	Variable	.8
8	60.04	56.99	23.9	31.4	SSE	2	NNW	3	------	Variable	.3
9	59.98	58.14	23.6	26.6	E	1	SW	1	SSE	------	.5
10	59.69	57.70	23.6	31	ESE	1	N	3	SE	Variable	------
11	59.01	57.58	23.9	29.5	ESE	1	NE	1	------	Variable	47.2
12	58.57	57.21	23.1	27.8	E	1	S	1	------	------	4.5
13	58.66	57.48	24	28.4	SE	3	N quad.	2	------	------	------
14	58	56.75	23.9	30.1	S	3	SSW	2	------	Variable	23.6
15	59.12	57.46	23.1	30.7	ESE	1	E	2	------	Variable	10.9
16	59.12	57.58	24.5	29.7	ESE	3	Variable	1	SE	NW	------
17	58.22	57.57	24.6	27	SE quad.	3	NE	1	SE	------	------
18	58.35	56.68	24.4	28.8	SE	3	W	3	------	Variable	6.1
19	58.55	56.66	23.3	30.6	SSE	3	N	4	SbyE	Variable	.3
20	58.64	56.55	23.6	30.4	SE	2	E	5	SSE	Variable	3.8
21	59.01	56.65	22.8	32.2	SE	1	S	4	SbyE	Variable	3.8
22	57.90	57.26	24.5	27.2	SE	2	SE	2	------	E	1.5
23	58.14	56.01	22.5	30.6	SE	1	N	2	------	E	.8
24	57.29	55.80	24.6	30.6	SE quad.	3	S	3	------	ESE	------
25	58.29	57.63	24	25.1	E	1	NE	1	------	EbyS	2.5
26	58.54	57	24.2	32	ESE	2	S	3	SE	Variable	------
27	59.16	57.41	22.5	31.1	ESE	1	NW quad.	2	------	------	------
28	59.07	56.82	23.3	31	SE	1	NW	2	------	------	------
29	58.38	56.35	24.2	30.8	ESE	1	N	3	------	------	------
30	58.19	56.58	24.4	31.1	SE	1	NNW	3	SE	------	------
31	58.14	57.56	24.4	30.1	SE	1	N	1	------	Variable	------
Mean	58.92	57.24	23.9	29.6	1.7		2.4		------	------	------
Total	------	------	------	------	------		------		------	------	131.3

JUNE.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.53	57.37	24.5	31.5	SSE	3	N	2	------	Variable	1
2	60.57	58.88	23.7	30.1	NE	1	N	3	E	ENE	1
3	59.90	58.01	25.1	29.5	ESE	2	N	4	E	Variable	4.6
4	60.02	58.76	23	25.8	E	1	Variable	2	------	------	19.3
5	59.60	57.06	23.1	28.1	ESE	1	E	2	------	E	3.3
6	58.72	56.63	23.5	31.1	E	2	SE	2	E	E	7.1
7	58.74	57.53	24.6	28	SE	2	E quad.	2	E	E	4.8
8	58.34	57.25	24	31.1	ENE	1	NW	3	------	------	------
9	58.58	57.67	25	31	SE	2	N	3	------	E	------
10	59.60	58.67	24	27.5	E	2	E	1	------	E	1
11	59.10	58.43	23.5	30.6	Calm		N	4	------	NWbyW	------
12	58.51	57.80	24.1	29.6	ESE	2	NNW	4	------	NNW	11.2
13	59	58.37	23.2	29.3	E	1	NW	1	SEbyE	W	2.3
14	59.88	59.09	24.6	30.8	S	1	N	4	------	------	------
15	60.35	59.17	24.1	31.1	SE	1	NNW	5	------	------	------
16	58.89	58.95	24.7	27.7	SE	2	N	3	N	WbyN	------
17	57.93	57.06	24.2	30.5	S	3	N	3	------	------	------
18	57.87	56.56	24.1	31	SE	4	N quad.	3	------	------	2
19	59.02	57.97	24	30.5	S	3	E	1	------	------	------
20	59.43	57.91	23.8	31	SSE	3	WNW	2	------	NW	------
21	60.73	58.64	25.1	28.7	E	1	N	2	------	------	.5
22	61.20	59.02	24.1	31.6	SE	3	N	2	------	E	------
23	61.30	59.48	23	30.1	SW	1	N	3	N	E	------
24	60.03	58.06	24.2	30.5	SE	2	N	3	NW	Variable	4.8
25	58.79	56.88	24.1	29.2	SSE	2	N	3	SSE	------	------
26	58.85	57.62	23.4	29.9	S	1	NW	2	------	------	------
27	58.38	57.93	22.5	29.7	S	1	N	3	NWbyN	------	------
28	59.27	57.54	22.8	29.1	SE	2	N	2	------	------	------
29	58.07	56.68	23	28.5	E	1	N	4	------	NW	------
30	56.22	55.59	24.5	27	ESE	1	N	3	------	NW	------
Mean	59.21	57.89	23.9	29.7	1.7		2.7		------	------	------
Total	------	------	------	------	------		------		------	------	62.9

JULY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	56.99	56.02	23.9	31	SE	2	SE	2	------	SW	0.8
2	59.15	58.46	23.8	30.5	SE	2	S	2	------	EbyS	------
3	59.68	58.53	23.6	29.9	ESE	2	SE	3	------	ESE	1
4	59.25	57.53	24.2	28.2	SW	1	WNW	2	------	NE	1
5	59.01	57.46	23.3	29.2	WSW	1	NW	2	------	NW	11.2
6	58.85	56.90	23	28.8	Variable	1	NNE	2	------	------	------
7	58.84	57.32	24.7	29.4	ESE	2	N	3	SSE	E	.5
8	59.09	58.14	23	28.3	S	1	SW	3	S	Variable	------
9	58.92	57.82	23.6	30	SE quad.	1	NNW	3	NW	NW	------
10	58.95	58.53	23.7	30.6	SE	2	N quad.	4	------	------	------
11	58.94	56.97	23	29.6	SW quad.	1	NNE	4	------	------	------
12	58.74	56.71	25.5	28	SSW	1	NNW	4	NW	------	------
13	56.66	56.39	23	28.8	S quad.	1	N	2	WbyS	W	.3
14	57.06	56.08	23.1	32.7	S	1	N	2	------	WbyS	------
15	58.01	56.82	23.6	31.7	S	3	NW	3	------	W	------
16	58.71	57.41	23.1	31.4	S	2	N	4	------	------	------
17	58.28	57.52	24.9	31.8	ESE	1	N	5	------	W	------
18	58.18	56.45	24.8	29.5	N	3	N	4	WbyN	------	------
19	57.74	55.78	24.9	31	S	1	N	4	NW	------	------
20	57.55	56.92	25.8	31.4	NE	1	N	6	WbyN	------	------
21	57.29	56.82	24.7	27.5	S	1	N	2	------	W	------
22	56.16	54.89	24.9	31.2	S	3	N	3	------	------	------
23	56.36	55.30	25	30.4	SSE	3	N	3	------	N	------
24	56.58	55.25	24.7	32.5	S	2	N	3	------	------	------
25	56.54	55.21	25.5	32	S	3	N	4	------	E	------
26	56.76	55.61	24.6	32.3	S	3	N	5	------	------	------
27	57.79	57.71	25.7	28.6	SE	1	NW	2	------	NW	6.4
28	58.49	57.73	23.9	27.6	NE	2	WNW	4	N	NW	31
29	57.42	56.47	23.5	27.2	S	2	N	3	NW	NW	10.9
30	57.36	56.58	23.5	29.9	S	1	N	4	------	------	2.5
31	57.57	56.16	23.7	30.5	SE	3	N	3	SW	------	------
Mean	57.97	56.82	24.1	30	1.7		3.2		------	------	------
Total	------	------	------	------	------		------		------	------	65.6

AUGUST.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58.11	56.12	24.8	31.9	SSE	3	SSE	3	------	WSW	------
2	58.58	56.63	25.5	31.7	SSE	3	N	3	------	------	------
3	58.46	56.80	25	29.2	SE	2	WSW	2	------	NbyW	0.5
4	58.57	56.50	24.5	30.1	SE	3	NW	3	------	------	------
5	58.33	56.71	24.4	31.7	SE	1	NW	3	------	------	------
6	58.33	57.06	25.1	29.4	SSE	3	NNW	3	------	NW	.3
7	58.20	57.02	24.6	29.8	SSE	2	NW	4	------	NW	13
8	56.87	55.61	23.5	30.2	SE	1	NNW	3	------	------	------
9	56.40	54.82	24	32	SSW	2	N	4	------	------	------
10	56.20	54.85	24.3	31	SE	3	NNW	3	------	------	.8
11	57.05	55.70	23.6	30.1	SE	3	N	4	------	------	------
12	57.50	56.05	24.3	30.6	S	3	NNW	4	------	SW	------
13	58.29	56.48	24.2	29.4	SE	4	N	2	------	W	------
14	58.61	57.33	24	31.4	SE	3	N	4	------	------	------
15	59.93	58.60	23.9	30.6	SE	1	NW	2	------	------	------
16	60.07	58.45	24.5	31	SE	2	NW	4	------	E	------
17	60.10	58.11	23.8	28.1	SE	1	NNW	3	WNW	WNW	2.8
18	57.86	56.67	24	28.4	Variable	1	NW	4	NW	NW	------
19	58.47	56.68	23	30.6	ENE	1	NW	3	WNW	------	------
20	58.35	56.43	22	30.4	S	1	NNW	5	WbyN	------	------
21	58.30	56.48	24.1	30	S	1	NNW	4	WNW	------	.3
22	57.64	56.06	24.5	29.5	NW	3	NW	4	WNW	------	27.4
23	56.87	55.19	23.7	26.2	N	3	N	3	NWbyW	NWbyW	1.8
24	55.76	54.50	26.5	30.5	WNW	4	NW	6	WbyN	WbyN	------
25	56.62	54.93	23.1	31.9	S	3	N	2	------	W	------
26	56.20	55.46	23.6	29.3	S	1	NNW	1	------	SW	------
27	58.08	56.62	24.6	30.1	S	2	N	4	------	------	------
28	58.96	57.90	23.9	30.6	S	3	NNW	4	------	E	------
29	59.26	56.82	24.1	30	S	1	NNW	4	------	------	------
30	57.97	56.95	24	30	S	2	NNW	5	------	NbyW	------
31	58.84	57.05	24	31	S	3	N	4	------	------	------
Mean	58.03	56.47	24.2	30.2	2.2		3.5		------	------	------
Total	------	------	------	------	------		------		------	------	46.9

BUTUAN.

[$\phi = 8°\ 56'$ N; $\lambda = 125°\ 32'$ E; barometer above sea, 2 meters; gravity correction not applied, —1.88 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	60.13	57.76	24.3	30.5	S 4	NNW 3	------	SE	------
2	60.09	57.88	23.8	29.4	S 3	N 3	S	E	------
3	59.23	57.33	24.1	30.2	ESE 1	N 3	NNW	S	------
4	58.83	57.83	24.2	29.5	S 2	N 3	------	------	------
5	59.09	57.81	24.1	29	SEquad. 2	N 3	------	------	------
6	59.32	57.70	24.1	29.4	NNW 1	N 3	------	------	4.1
7	59.53	57.54	23	27	Calm	NE 1	WNW	------	1.3
8	58.59	56.48	24.5	28.6	SE 2	N 3	------	E	------
9	57.75	56.10	24.1	30.1	SE 2	NNW 3	------	E	------
10	58.32	57.45	24	28.6	SSE 2	N 3	------	E	1.8
11	59.44	57.86	24	29.9	S 2	N 4	S	------	8.9
12	59.39	57.42	24.6	29.6	S 1	NW 3	N	NW	.3
13	58.45	56.50	23.1	29.2	S 1	NNW 3	NW	------	20.8
14	57.42	55.78	23	30.4	S 1	NW 3	NNW	NNW	------
15	57.10	54.98	24.6	30.6	S 2	NW 4	W	W	------
16	57.10	56.10	24.3	29.5	E 1	NNW 2	------	------	------
17	58.65	56.45	24.5	30.4	SE 2	NNW 3	------	W	.5
18	58.11	56.33	24.9	30.8	S 3	NNW 4	------	------	5.6
19	58.37	56.99	24.2	28.7	S 3	NNW 2	------	------	------
20	59.63	57.81	24	29.5	S 3	NNW 1	------	------	------
21	59.46	57.02	24.3	29.5	NNW 1	NNW 2	NW	------	15
22	58	56.11	23.4	28	Calm	NNW 2	NW	NW	10.2
23	58.44	56.48	23.7	28.6	SW 1	N 4	WNW	NWbyW	86.4
24	59.16	57.27	24	29	SSW 1	N 3	NWbyW	NW	11.7
25	58.10	56.12	23.6	29.2	S 1	NNW 4	NWbyW	NW	------
26	56.35	54.70	24.7	30.2	S 2	NNE 2	------	------	------
27	56.93	54.95	24.6	29.7	S 3	W 2	------	SW	.3
28	58.09	56.46	24.7	30	S 3	NW 3	------	------	------
29	59.30	57.60	24.8	30.2	SE 2	NNW 3	------	------	------
30	59.53	57.16	24.9	31.5	S 3	NNW 3	------	Variable	------
31	------	------	------	------	------	------	------	------	------
Mean	58.60	56.80	24.1	29.6	1.8	2.8	------	------	------
Total	------	------	------	------	------	------	------	------	166.9

OCTOBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.83	57.15	24.1	31	S 3	N 3	------	E	------
2	60.52	58.97	23.5	28.5	SE 2	N 3	------	ESE	2.3
3	60.49	58.04	23.8	29.2	Calm	NNW 2	------	------	------
4	59.65	57.58	24.6	29.6	S 3	NNW 3	SE	N	------
5	59.82	57.76	24.1	29.7	SE 2	NW 3	------	------	------
6	59.64	58.30	24.1	30.6	S 2	N 3	------	N	------
7	60.19	58.60	24.1	27.1	S 1	S 2	------	NW	17.3
8	60.67	58.27	24	29.2	S 3	NNW 3	------	------	------
9	61.07	58.41	23.3	29.4	SE 1	NNW 3	------	NWbyN	.1
10	59.60	58.22	24.2	26.8	SW 1	NNE 1	------	------	13.2
11	59.15	57.77	24	27.8	Calm	WNW 2	------	NNW	.3
12	58.97	57.64	23.6	26.8	E 1	NE 1	NWbyW	------	7.9
13	59.59	57.19	23.9	28	S 2	NNW 2	------	------	------
14	59.18	57.80	24.7	29.5	SE 2	NNW 3	------	------	2.5
15	59.78	57.97	23.6	28.9	S 2	NW 3	------	NbyW	4.1
16	60.22	58.22	24.3	27.3	S 1	NE 2	------	N	------
17	60.14	58.44	24	27.5	SSE 2	N 2	SSE	------	1.5
18	59.88	59.11	23.8	27.7	S 1	NNW 3	------	N	2.8
19	59.09	57.69	23.5	25.6	SE 1	S 1	------	------	2.8
20	59.06	57.06	23.2	29.9	S 1	NNW 4	SSE	WbyN	32.5
21	59.59	58.82	24	28.6	E 1	NW 3	W	SW	.1
22	61.10	60.14	23.4	28.3	Calm	WNW 3	SE	NNW	2.3
23	61.54	59.88	24.1	29.1	SE 3	NNW 3	SSE	NW	.5
24	61.60	59.75	24.1	28.8	SE 2	NNW 3	------	N	1
25	61.58	59.76	24.3	29.2	SE 3	NNW 3	------	Variable	------
26	61.43	59.77	23.3	29.2	SE 2	NNW 4	SE	NE	------
27	61.59	60.23	22.6	27.7	E 1	NW 4	------	N	4.3
28	61.87	60.28	22.8	29	ESE 1	NNW 3	ESE	------	------
29	61.83	60.22	23.5	26.4	SE 1	S 2	SSE	Variable	9.7
30	61.15	59.41	22.4	29.4	E 1	N 3	------	E	------
31	60.43	58.19	24	28.9	Calm	NNW 3	NE	NWbyW	------
Mean	60.33	58.60	23.8	28.5	1.5	2.7	------	------	------
Total	------	------	------	------	------	------	------	------	105.2

NOVEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.85	58.33	22.6	26.4	Calm	SE 1	------	NWbyN	13.2
2	59.50	58.59	22.7	26.3	ESE 1	W 1	NW	NW	23.6
3	59.83	58.24	23.3	27.6	S 1	NNW 4	WNW	NW	8.2
4	59.25	57.79	22.6	27.5	ESE 1	NNW 4	NW	NNW	6.9
5	57.70	56.69	24.6	27.8	W 1	NW 5	NW	NW	.8
6	57.23	56.82	22.7	29.1	ENE 1	NNW 4	WbyN	------	------
7	57.84	57.38	20.5	28.6	S 2	NNW 3	------	------	------
8	60.87	60.05	23.5	28.8	SEquad. 2	N 3	N	WSW	------
9	62.59	60.93	24	29	S 1	NW 4	S	NW	.3
10	62.65	61.38	23.1	26.1	SE 2	SSW 1	variable	------	3.3
11	61.98	60.77	22.2	27.5	W 1	W 3	N	E	------
12	61.85	59.84	19.7	28.6	Calm	NW 2	------	E	------
13	60.91	59.43	21	26.7	Calm	ESE 1	ENE	E	.6
14	59.73	58.64	23	27.1	E 1	SE 3	E	------	.6
15	59.29	57.71	23.6	28.4	SSE 1	SE 3	EbyN	------	2.6
16	59.27	57.66	24	27.6	SE 1	E 2	E	E	2
17	58.84	57.48	23.1	29.2	SEquad. 2	N 2	E	EbyN	------
18	58.60	58.24	22.1	26.6	E 1	WSW 2	ENE	E	20.6
19	59.38	57.66	22.2	28.5	Calm	NW 3	E	EbyS	.1
20	58.60	56.94	23.6	28.4	SE 1	ENE 3	EbyN	E	12.2
21	57.81	56.97	23	27.5	ESE 1	SSE 3	ENE	------	2.3
22	57.95	56.49	22.2	28.7	Calm	NNW 2	------	Variable	6.4
23	58.01	57.28	23	28.1	SE 1	NW 1	------	Variable	------
24	58.31	57.72	23.1	27.1	SE 3	S 1	SE	Variable	4.6
25	59.47	58.02	23.7	30	E 2	NNW 2	------	E	3
26	59.98	58.56	23	29.6	SSE 2	NNW 2	ENE	E	------
27	60.30	59.93	22.5	24.5	WSW 1	WSW 1	------	E	24.6
28	59.96	59.27	22.9	27.5	S 1	NW 3	E	E	------
29	60.50	58.80	21.5	28.5	Calm	WNW 3	------	WNW	.2
30	59.69	58.10	23.9	26	SE 1	NNW 4	S	ENE	18
31	------	------	------	------	------	------	------	------	------
Mean	59.59	58.39	22.8	27.8	1.1	2.5	------	------	------
Total	------	------	------	------	------	------	------	------	154.1

DECEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	60.09	58.75	22.5	28	SSE 1	NNW 3	NE	NE	------
2	59.40	58.17	22	27.5	Variable1	NNW 2	------	ENE	------
3	59.06	57.50	23.1	26.4	W 1	NNW 4	WNW	NNW	65.5
4	59.48	57.18	22.5	26.5	SSE 2	SE 2	E	E	2.3
5	58.92	57.93	21.5	25.9	S 1	NNW 3	------	NW	1.8
6	58.15	56.25	23.3	26.7	ENE 1	NW 3	NNW	NW	1.8
7	57.65	56.80	23.1	27	NW 2	NNW 3	NW	------	.3
8	58.52	57.29	21.5	28	SE 1	NW 3	------	------	------
9	58.91	56.78	23.8	28.8	SSE 3	E 4	SSE	Variable	.1
10	58.46	56.34	22.6	28.5	Calm	NNW 3	------	------	.5
11	58.07	57.15	23.1	26.6	E 1	SE 1	------	E	1.8
12	59	58.45	23.6	25.2	ESE 2	Variable 2	E	E	10.2
13	59.65	58.37	22.1	26.9	E 1	N 3	ENE	------	20.6
14	59.59	58.38	21.8	27	Calm	W 2	------	NE	1.1
15	59.43	58.42	22.5	27.4	SE 1	NNW 2	------	ENE	13
16	60.17	60.18	23.1	24.3	ESE 1	ESE 1	ENE	E	38.3
17	60.78	59.69	22.6	26.3	E 1	W 1	E	E	5.8
18	61.48	60.53	22.3	28.5	NNE 1	ENE 4	EbyN	EbyN	------
19	61.85	59.62	19.1	28	S 1	ESE 4	E	E	------
20	61.23	61.01	23	26.6	SE 2	ENE 1	E	E	------
21	62.34	61.28	22.7	27.1	S 1	SE 1	ENE	NE	2.3
22	62.50	60.32	20.5	27.6	ESE 1	NNW 2	------	E	------
23	61.60	60.16	21.5	28.6	SSE 1	NW 3	ENE	E	5.8
24	62.32	60.16	23.5	28.5	Calm	WNW 3	ENE	EbyN	------
25	60.61	59.49	21.4	24.7	Calm	W 1	ENE	variable	32.7
26	60.20	58.59	23.2	25.6	ENE 1	NW 2	E	WbyN	18
27	59.63	58.33	23.6	26	Calm	NNE 1	EbyN	EbyN	6.4
28	60.28	58.79	21	26.1	SSW 1	NW 2	NE	E	8.7
29	59.64	57.90	23	26.6	Calm	NW 2	E	ENE	6.6
30	59.16	58.11	21.5	26	NE 1	N 1	------	E	2.6
31	59.44	57.23	23.3	28.1	N 1	NNE 2	ENE	ENE	1.3
Mean	59.92	58.55	22.4	26.9	1	2.3	------	------	------
Total	------	------	------	------	------	------	------	------	247.5

DUMAGUETE.

[$\phi = 9° 18'$ N; $\lambda = 123° 19'$ E; barometer above sea, 7.7 meters; gravity correction not applied, —1.87 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	60.57	59.18	26.4	28.2	N	3	N	1	NE	NNE	0.8
2	59.83	58.51	24.2	28.5	NW	1	N	1		NE	
3	60.38	60.07	24.5	27.6	Calm		N	2	NE	NE	
4	60.53	59.61	25	28.4	N	1	N	1	E	E	1.3
5	60.97	59.35	24.1	28.8	Calm		NNE	1	NE	N	
6	60.33	58.66	24.8	28.5	Calm		N	1	W	N	1.8
7	60.27	58.68	25.2	27.6	Calm		NE	3	NE	W	
8	59.98	58.19	25	27.5	NW	1	N	1	N	NE	4.3
9	58.55	57.46	25.1	28.9	N	1	NE	1	NE	ENE	1.3
10	57.02	56.87	23	28.7	Calm		N	1	ENE	NE	
11	57.43	56.62	22	28	NW	1	ENE	1	NE	NE	
12	57.97	57.28	22.6	29.1	Calm		N	1		N	
13	57.63	58.51	25	29.4	NNW	1	NNE	1	N		
14	59.62	58.34	25	28.5	NNW	1	NE	2	NE		
15	58.96	57.82	23.2	28.4	Calm		E	1			
16	58.24	57.55	24.7	29.4	Calm		N	2		NE	.5
17	58.90	57.84	25	28.2	Calm		NE	2	NE	NNE	4.5
18	59.12	58.07	25	27.5	Calm		NE	1	NE		
19	59.04	58.12	24.7	28.5	NW	1	NNE	1	N	NE	.8
20	59.19	59.28	26.7	27.2	NNE	3	NE	4	NE	E	
21	59.47	58.36	25.3	27.2	NNW	1	NNE	2	NE	E	
22	58.99	58.23	25	28.5	N	1	NE	1	E	N	
23	58	56.59	23.9	29.2	NW	1	N	2	NE	N	
24	56.46	56.11	24.8	28.4	NW	1	NNE	2	NE	N	
25	58.05	56.77	24.8	28.3	N	1	NE	2	NE	NNE	
26	57.09	56.51	25.2	28.6	Calm		NE	2	NE	NE	
27	56.66	55.91	25	28.5	NW	1	ENE	1	NE		1
28	56.41	55.87	24.8	28.6	NW	1	ENE	1	NE		
29	57.15	56.61	25.1	29.3	NW	1	E	1	ENE		
30	57.10	56.97	22.8	28.9	N	1	ENE	1	NE		
31	57.38	56.93	25.1	28.8	Calm		NNE	3	NE	NE	
Mean	58.62	57.77	24.6	28.4	0.7		1.5				
Total											16.3

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	57.41	56.73	26.5	28.6	NNE	3	NE	1	ENE		
2	58.52	58.13	22.6	28.5	NNW	1	NE	2	NE		
3	58.72	58.34	23.6	28.4	NW	1	NNE	1	NE	NE	
4	59.12	58.37	23	28.4	NNW	1	NNE	2	NE	NE	
5	59.30	58.17	24.4	28.6	NW	1	NE	4	ENE	NE	
6	58.30	57.15	25.1	27.2	N	1	N	1	NE	NE	6.2
7	58.57	58.18	25.8	26.5	NNE	4	NE	3	NE	ENE	5.3
8	58.74	58.13	24.6	27.6	N	1	NE	4	NE		
9	58.76	58.14	22.4	28.3	NNW	1	NNE	3		NE	1.9
10	59.58	59.66	24.8	28.4	NNE	1	NE	1	NE	NE	
11	61.03	60.26	24	28.3	Calm		Calm		ENE		2.5
12	60.93	60.05	24.4	28.7	N	1	NNE	1	NE	NE	1.5
13	59.87	60.17	24.6	27.6	NNW	1	N	1	ENE	NE	10.7
14	59.60	59.01	22.8	27.2	N	1	NE	1	NE	N	
15	58.07	57.12	24.8	28.8	NNW	1	NNE	1	N	N	
16	57.58	56.93	25.2	28.1	NW	1	NNE	1	N	N	20.6
17	56.89	56.53	25.3	28	N	1	NE	1	N	N	
18	57.46	57.12	25.6	29.6	NNW	1	N	1	NE	N	7.6
19	58.39	58.48	24.8	25.5	NW	1	NNW	1		N	47
20	59.80	56.56	24.6	24.4	NW	1	N	1	N	N	51.6
21	59.84	58.67	24.4	26.7	NW	1	NW	2	N	N	26.1
22	58.82	57.74	25.2	28.2	NW	2	N	3	N	N	.5
23	59.48	59.18	22.9	28.6	NNW	1	NE	1		N	
24	60.55	60.10	25.1	28.5	NNW	1	N	3	N	N	
25	61.15	59.30	22.2	27.7	NW	1	ENE	1			
26	59.64	58.47	22	29.2	WNW	1	S	2		SW	
27	59.38	58.43	22.5	28.6	Calm		SSW	2		W	
28	58.71	58.73	23.6	29	Calm		ESE	1	NW	N	
29											
30											
31											
Mean	59.08	58.35	24.2	28	1.1		1.6				
Total											181.5

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.94	59.18	23.5	28.8	NW	1	NNE	1		NW	
2	59.77	58.82	23.5	28.1	NNW	1	NE	1		W	
3	59.58	58.91	24.5	28.3	N	1	NNE	1	NE	N	1
4	59.94	59.07	24	27.3	Calm		NNE	2		NE	
5	60.38	60.22	26	27	NE	3	NE	1	NE	NW	
6	59.98	59.42	22	27.1	N	1	NE	2	NE		
7	59.20	59.16	21.3	27.4	NW	1	NE	1	NE	N	
8	59.51	58.87	21.4	27.5	WNW	1	NE	2	NE		
9	58.90	58.65	21.6	29.2	NW	1	NNE	1			
10	58.56	57.03	23	28.5	NNW	1	NNE	1			
11	57.93	57.43	24.2	28.8	N	1	N	1			
12	59.22	58.51	23.8	28.6	W	1	NE	2	E	N	
13	60.21	59.25	25.8	28.5	NW	1	NE	3	NE	NE	
14	59.29	58.58	25.6	29.7	NNE	1	NE	1	NE	NE	
15	58.38	58.06	24.2	27.9	NW	1	E	1	NE		
16	58.53	58.40	24.6	29	NW	1	ENE	1	NNE		7.1
17	58.20	58.08	24.6	28.3	NNW	1	E	1	NE		
18	58.98	58.87	25.3	27.7	NNW	1	NE	1		N	
19	59.17	58.99	24.5	29.8	NW	1	SE	1	N	N	9.9
20	59.83	59.63	24.5	28.7	NW	1	ENE	1	NNE		
21	59.55	59.43	23.7	28.9	NNW	1	NE	1	NE		
22	59.71	59.78	24.4	26	NNW	1	E	5	NE	NE	
23	60.37	59.62	26.6	29	NE	2	NEbyE	1	NE		
24	59.68	59.58	24.4	29.6	NNW	1	EbyN	1	NE		10.9
25	59.96	59.30	24.3	28.7	W	1	ENE	1	NNE		
26	60.56	59.80	24.5	27.8	NW	1	NE	1	NE		
27	60.77	60.15	24.8	28.8	NNW	1	NE	1	NE	NE	
28	60.51	59.61	24.6	28.1	N	1	NE	1	NE	E	
29	59.91	59.81	26.3	26.4	NbyE	3	NEbyN	4	E	E	5.2
30	59.80	59.37	25.5	27.7	N	1	N	2	NE	NE	2.6
31	58.38	57.64	25.8	27.4	N	1	NNE	2	NE	N	
Mean	59.51	59.01	24.3	28.2	1.1		1.5				
Total											36.7

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	57.78	55.95	26	29.3	N	1	NNE	2	NNE	NNW	4.6
2	57.58	56.61	25.1	28.5	NNW	1	NNE	2	NNE	N	
3	57.53	57.32	25.6	29	N	1	NNE	1	NE		
4	58.87	57.66	27	28.6	NNE	2	NNE	1	E	NE	
5	58.31	56.86	24.8	28.7	NNW	1	NNE	2	NE	NE	9.1
6	58.49	57.27	25.2	29.7	N	1	N	2		NE	
7	57.60	56.57	25.3	28.4	N	1	NbyE	1	ENE	NNE	(?)
8	57.31	56.11	25.6	28.2	Calm		NE	1	NE		
9	56.98	55.47	24.7	28.8	Calm		NE	1	NE		4.3
10	56.43	55.82	25	29.5	NNW	1	NE	1	ENE		1.2
11	56.60	56	26.6	29	N	1	NEbyN	1	NE		
12	57.70	57.16	25.4	28.8	N	1	ENE	1	ENE	N	
13	58.35	57.96	27.2	29	NNE	2	NNE	1	NE	NE	
14	57.69	56.91	27.3	28.8	N	1	NE	2	NNE	NNE	
15	56.91	56.05	24.8	29.1	Calm		SEbyE	2			
16	58.18	57.01	24.6	29	Calm		NE	2			
17	58.48	57.70	25.3	29	NW	1	E	2	EbyN		
18	58.43	57.82	25	28.8	W	1	S	1	NNW	swbyN	
19	58.48	58.42	25	29.4	NNW	1	SSE	2	N		
20	60.09	59.47	24.2	28.7	NW	1	ENE	1			
21	59.62	59.50	26	28.1	NNW	1	Calm			NNE	2.7
22	59.06	57.22	25.2	29.1	N	1	S	2	NNE	WNW	
23	56.76	55.90	24.5	30.2	S	2	SSE	3	SW	SW	1.3
24	58.35	56.85	23.5	29.5	WSW	1	S	3		SW	
25	59.64	57.86	24.6	29.3	N	1	S	5	SW	WSW	2
26	60.23	58.71	24.1	28.7	NW	1	NNE	2		SbyW	
27	59.69	57.20	23.8	28.9	NNW	1	SEbyS	4		SW	
28	58.30	56.71	24.8	27.6	Calm		S	1		SW	2.8
29	58.69	56.89	23.2	30.8	WNW	1	S	3			
30	58.46	57.74	24	29.7	NW	1	SSE	3			1.7
31											
Mean	58.22	57.16	25.1	29	0.9		1.8				
Total											29.7?

DUMAGUETE.

[$\phi = 9°\ 18'$ N; $\lambda = 123°\ 19'$ E; barometer above sea, 7.7 meters; gravity correction not applied, —1.87 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	58.48	57.41	23.9	30.4	W	1	SSE	1	-------	N	-------
2	58.54	56.35	24.4	30.3	NNW	1	SSE	3	-------	NNW	22.9
3	57.41	56.76	22.9	30	NNW	1	SSE	2	NW	-------	-------
4	59	58.08	23.8	29.1	W	1	SE	1	SW	-------	-------
5	59.86	58.78	24.5	29.5	W	1	SEbyE	1	-------	-------	-------
6	60.06	58.07	24.1	30.4	NW	1	SE	1	-------	-------	-------
7	59.46	58.68	24.6	28.5	W	1	SEbyE	1	SW	W	1
8	59.43	57.56	24.6	29.3	NW	1	E	1	ENE	-------	-------
9	59.38	57.76	25.3	30.4	W	1	SE	1	S	-------	-------
10	59.13	57.76	25.3	30	W	1	E	1	-------	-------	-------
11	58.09	57.21	24.5	29.6	WNW	1	E	2	-------	-------	4.6
12	58.15	56.65	25.8	29.6	NW	1	NE	2	NE	-------	-------
13	58.57	56.81	26.3	29	W	1	NNE	2	E	NE	1.8
14	57.43	57.21	25.6	26.4	W	1	NNW	1	ESE	-------	50.8
15	57.76	57.08	24.4	29	NW	1	ENE	1	-------	WSW	-------
16	58.45	57.91	25	29	NW	1	NNE	1	ENE	NE	-------
17	57.71	56.85	25	29.4	NNW	1	NEbyN	1	NE	-------	1
18	57.10	56.02	24.6	28.6	NW	1	NE	1	-------	-------	.9
19	57.48	56.15	24.2	29.6	NNW	1	ENE	1	-------	NE	-------
20	57.69	56.75	25.2	29.5	WNW	1	ENE	1	ESE	-------	-------
21	57.95	56.60	25.2	29.9	WNW	1	NE	1	E	-------	-------
22	57	56.36	-----	29.4	NNE	3	NEbyE	2	NE	NE	-------
23	57.45	55.93	24.4	29.3	NW	1	NNE	1	NE	-------	-------
24	56.77	55.78	-----	30.1	NE	2	NNE	2	E	-------	1.5
25	57.58	56.96	25.5	29.8	Calm		NE	1	-------	-------	1.5
26	57.81	57.22	24.6	30.3	Calm		SE	1	ENE	-------	-------
27	58.60	57.17	25	29.5	Calm		ENE	1	-------	-------	-------
28	58.50	56.36	25.4	29.8	WNW	1	NNE	1	NE	-------	-------
29	57.66	55.74	24.8	31.2	WNW	1	S	2	-------	-------	-------
30	57.58	56.18	25.2	31.3	WNW	1	S	2	NW	-------	-------
31	57.55	57.10	25.8	30	N	1	E	2	NE	-------	-------
Mean	58.18	57.01	24.8	29.6		1		1.4	-------	-------	-------
Total	------	------	------	------	----------		----------		-------	-------	86

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	58.35	57 45	24.7	29.3	NW	1	NNE	1	NE	E	36.4
2	59.33	58.69	25	27.7	WNW	1	NNE	1	SE	NW	37.3
3	59.01	58.72	24.8	29.6	W	1	SSE	2	E	-------	7.6
4	59.10	58.27	24.2	30.2	NW	1	ESE	1	NE	ESE	10.2
5	58.69	57.21	24.8	29.3	NW	1	NE	1	NE	NE	-------
6	58.05	56.90	25.4	29.6	N	1	NE	2	NE	-------	3.3
7	58.35	56.95	25.1	29.6	ENE	2	NE	1	ENE	-------	4.5
8	57.60	57.17	25.8	29.6	Calm		ESE	1	SE	SE	-------
9	58.06	57.52	24.2	30.2	WNW	1	SE	1	-------	-------	-------
10	59.11	57.95	25	30.1	NW	1	S	0	NE	S	2.5
11	58.90	57.68	24.6	30	W	1	ENE	1	NE	-------	5.6
12	58.05	57.33	25.1	29.3	Calm		SSE	2	-------	-------	9.7
13	58.15	57.32	24.6	30	NW	1	S	4	-------	-------	.5
14	59.64	58.98	24.6	29.1	SSW	1	NNE	2	SW	SSW	14.5
15	59.91	58.55	24.8	30.8	NNW	1	S	3	-------	WNW	1.5
16	58.83	57.86	24.8	28.7	NW	1	SSW	3	WNW	W	4.8
17	56.77	56.53	-----	29.6	ESE	3	SSW	2	WNW	WNW	6.8
18	57.36	56.22	23.8	28.9	Calm		SE	1	S	W	2.5
19	57.99	57.62	23.4	29.3	Calm		S	2	-------	W	-------
20	58.50	57.27	24.4	29	NW	1	E	1	-------	-------	17
21	59.77	58.21	24.6	29.5	NW	1	NE	1	S	SE	-------
22	60.33	59.72	24.1	30.1	NW	1	SSE	2	E	-------	-------
23	60.46	59.41	24.4	29.5	NW	1	SE	1	-------	NNW	-------
24	59.13	58.06	24	29.8	W	1	S	2	-------	-------	-------
25	58	56.52	24.5	30.9	Calm		SSE	2	-------	-------	3.5
26	58.38	57	24.2	29.5	WNW	1	SSE	4	-------	W	-------
27	57.79	57.96	22.6	27.8	SW	1	N	1	-------	WNW	2.5
28	58.61	57.40	22.8	29.8	NW	1	S	3	-------	W	.9
29	57.67	56.21	23.7	29.6	NW	1	SSE	1	-------	-------	-------
30	55.86	55.55	24.4	26.2	NW	1	N	1	-------	-------	5.6
31	------	------	------	------	----------		----------		-------	-------	-------
Mean	58.52	57.61	24.4	29.4		0.9		1.7	-------	-------	-------
Total	------	------	------	------	----------		----------		-------	-------	177.2

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	56.21	55.27	24	29.3	S	1	SSW	3	SSW	SW	3.2
2	57.90	57.96	23.9	29.3	NW	1	S	4	-------	SW	-------
3	58.99	58.17	23.2	28.9	WNW	1	ENE	2	-------	-------	-------
4	58.96	57.17	26.2	28.3	NE	3	ENE	2	-------	-------	5.1
5	58.30	57.31	24.8	29.3	NNW	3	N	3	N	-------	2.5
6	57.78	56.61	24.8	29.2	NW	1	NNE	2	-------	NE	19.6
7	58.45	57.69	25	28.6	NNE	2	SE	2	NE	-------	17.8
8	58.61	56.83	23.8	31.2	W	1	SSW	3	SW	SW	-------
9	58.34	57.50	22	32	W	1	SE	1	-------	-------	-------
10	58.60	58.10	23.2	31.9	W	1	S	2	-------	SW	-------
11	58.56	56.80	24.9	32	Calm		ENE	2	-------	SW	3
12	58.58	57.38	24.9	29.8	NW	2	S	2	NNW	NW	16
13	57.61	57.23	23.8	24.4	SSE	2	SSW	2	-------	W	9.7
14	56.80	55.77	26.6?	29.6	SW	1	S	4	W	W	-------
15	56.72	56.03	26.9	31.3	SSW	4	SSW	2	WSW	WSW	5.7
16	57.35	57.06	26.8	31.4	SWbyS	4	SSW	4	W	W	1
17	57.39	57.11	26.4	32.2	SW	2	SW	2	WNW	W	8.6
18	57.45	56.03	26.1	29.1	ENE	2	S	2	W	W	-------
19	56.98	56.40	24.8	29.1	SW	1	SSW	3	W	W	3
20	56.99	57.02	23.5	28.9	SW	1	SSW	1	W	WNW	-------
21	56.51	55.61	24.9	32.3	NW	1	SE	2	S	W	-------
22	55.81	54.86	26.4	30.2	SW	1	N	2	W	W	-------
23	55.26	54.49	27.5	30.8	SSW	4	SSW	6	W	W	9.6
24	55.63	55.64	27.6?	29.5	SSW	4	SSW	4	W	W	.8
25	55.78	54.93	25	31.6	WNW	1	SSW	5	WSW	W	-------
26	55.79	55.03	25.9	31	N	1	S	3	SW	W	-------
27	57.15	57.22	24.7	29.5	N	1	SSE	3	NW	W	-------
28	57.15	56.93	25.3	29.1	S	1	S	1	-------	W	22.3
29	56.72	56.85	23.8	25.8	W	1	N	1	NW	W	11.9
30	57.02	57.15	23.5	25.6	WNW	1	NW	1	-------	W	26.3
31	56.60	56.12	25.3	30.4	SE	2	SW	4	W	W	-------
Mean	57.29	56.59	25	29.7		1.7		2.6	-------	-------	-------
Total	------	------	------	------	----------		----------		-------	-------	166.1

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	56.85	55.80	27.2	32.3	SSW	4	SW	4	SW	SW	-------
2	57.39	56.04	26.8	31.6	SSW	3	SSW	2	W	SW	-------
3	57.33	56.04	26.1	31.2	NE	2	S	3	SW	W	-------
4	57.50	56.31	24.3	31.2	SW	1	SE	1	W	SW	-------
5	57.45	56.34	24.2	29.2	W	1	SSE	3	WNW	W	-------
6	57.66	56.55	23.2	30.9	NW	1	SSE	2	-------	W	-------
7	57.93	56.59	24.1	31.2	WSW	1	SE	1	-------	-------	-------
8	56.34	55.42	24.8	30	W	1	NE	2	-------	NW	-------
9	56.21	54.34	24.2	33.2	SW	1	WNW	4	W	NW	3.8
10	55.81	55.47	24.5	25.5	SE	1	S	2	W	-------	15.2
11	56.34	55.77	25.4	28	SSW	1	SE	3	-------	W	.8
12	56.78	56.11	24.5	31.5	S	1	W	2	SW	W	1
13	57.48	56.60	24	26.8	W	1	S	1	W	SW	2.8
14	57.28	56.71	25	31.6	NW	1	SSW	2	-------	W	-------
15	59.40	57.86	23.1	29.8	WSW	1	S	3	-------	WSW	-------
16	58.95	58.57	22.6	30.1	NW	1	S	3	-------	NW	-------
17	59.11	57.74	23.5	28.5	NW	1	NNE	1	-------	-------	-------
18	57.10	56.49	25.5	28.7	SW	1	ESE	2	-------	NW	-------
19	57.27	56.80	25	30.3	SW	3	S	2	WNW	-------	-------
20	57.54	56.26	23.4	31.6	W	1	SW	2	WNW	NW	8.4
21	57.56	56.22	23.4	29.7	SW	1	S	2	W	W	5.7
22	56.90	56.01	23.4	29.5	NW	1	SE	1	NW	W	-------
23	56.39	55.81	25.6	28	N	2	E	2	W	W	1
24	56.10	55.15	26.6	29.6	ESE	3	E	2	W	W	-------
25	55.79	54.94	25.8	31	SWbyW	2	SW	6	W	W	7.4
26	56.08	55.17	26.1?	30.7	SSW	4	SSW	3	SW	W	-------
27	57.35	56.40	26.3	31.5	SW	2	WNW	2	SSW	SW	.5
28	58.27	57.52	23.3	31.3	WSW	1	SE	2	-------	W	-------
29	58.59	56.05	22.4	32	SW	1	SE	2	W	W	-------
30	57.06	55.81	23.2	33.5	W	1	S	3	-------	WNW	-------
31	57.76	56.31	24.4	31.4	W	1	SSE	2	SSW	W	-------
Mean	57.28	56.23	24.6	30.4		1.5		2.3	-------	-------	-------
Total	------	------	------	------	----------		----------		-------	-------	46.6

DUMAGUETE.

[$\phi = 9°\ 18'$ N; $\lambda = 123°\ 19'$ E; barometer above sea, 7.7 meters; gravity correction not applied, −1.87 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.02	57.29	23.8	32.3	Calm		S	2	------	W	------
2	59.34	57.19	23.8	29.1	NNW	1	S	3	------	NW	------
3	58.54	56.91	23.6	29.7	SW	1	S	2	------	S	------
4	58.45	57.50	23.8	29.7	W	1	ESE	1	------	------	------
5	58.38	57.47	24	29.7	W	1	S	3	------	W	------
6	58.70	56.95	23.3	29.2	W	1	S	2	------	NW	------
7	58.76	57.42	24.6	29.2	W	1	SSE	2	NW	NW	7.5
8	57.70	56.24	22.3	30.5	Calm		S	3	------	------	------
9	56.74	55.94	24.1	29.2	W	1	NNE	2	N	------	------
10	57.68	57.67	25	30	Calm		SSE	2	------	SE	------
11	58.52	57.50	23	30.8	SW	1	NNW	3	------	W	------
12	58.93	56.82	23.8	30.1	W	1	S	1	W	SW	13.4
13	57.79	56.96	22.8	25.3	W	1	S	2	SW	WSW	26.9
14	57.05	55.68	22.8	27.6	W	1	N	2	------	W	6.5
15	56.44	55.47	24.3	28.6	W	1	SSE	1	WNW	W	3.8
16	56.57	55.64	24.2	29	N	1	S	2	SW	W	4.8
17	58.04	55.75	25	31.8	N	2	S	3	W	SW	------
18	56.93	55.88	26.8?	30.8	SW	3	WSW	3	WSW	SW	3
19	56.84	56.26	26.6?	29	S	2	S	2	SW	SW	------
20	58.95	57.48	23.5	29.9	W	1	SE	2	------	------	------
21	58.48	56.25	24.4	30.5	WNW	1	S	2	------	W	------
22	56.73	56.03	25	26.5	N	2	SSE	2	W	------	2.5
23	56.94	56.12	24.7	29.3	N	1	S	3	W	W	------
24	58.60	57.16	23.1	27.2	W	1	NNW	1	------	WNW	1
25	57.64	55.81	23.2	30.4	W	2	S	4	------	NW	------
26	55.91	54.87	24.1	28.5	WNW	1	N	1	------	W	1.3
27	55.70	54.86	25.6	30	SSW	2	SW	2	WSW	SSW	24.9
28	56.78	55.53	26.4	33.6	SW	3	S	1	W	SW	------
29	58.48	57	23.4	30.4	W	2	S	2	------	W	------
30	58.54	57.42	23.5	30.7	WNW	2	SSE	3	------	S	------
31	------	------	------	------	------		------		------	------	------
Mean	57.77	56.50	24.2	29.6	1.3		2.1		------	------	------
Total	------	------	------	------	------		------		------	------	95.6

OCTOBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.06	57.26	23.6	30	NW	2	S	3	------	------	------
2	59.88	58.23	24.1	29.7	W	2	E	3	N	------	------
3	59.43	57.78	24.7	30.6	WNW	1	NNE	3	N	N	------
4	58.81	57.14	24.8	30.2	W	1	SE	2	SE	ESE	------
5	59.16	57.39	24	29	W	1	SSE	2	E	WSW	3
6	58.86	57.84	23.6	30.8	NW	2	S	3	------	N	18.5
7	59.13	58.58	24	29.4	NW	1	SSE	1	N	N	46.2
8	59.55	58.34	24	28.9	WNW	1	NE	1	NE	------	35
9	60.48	58.58	23.4	29.9	W	1	NE	1	NE	SE	------
10	59.09	57.81	25.8	29.6	NW	1	NNE	4	------	------	------
11	58.43	57.07	25.8	29.7	NNW	1	N	3	N	NNW	------
12	58.18	57.18	24.6	30	NNW	1	NW	2	------	W	5.1
13	58.54	56.48	23.8	29.8	W	1	S	3	NE	------	------
14	58.54	57.26	23.6	30.3	W	1	S	3	------	W	------
15	58.49	57.40	23.4	30	W	1	NE	2	------	------	8.9
16	59.84	57.61	23.1	28.8	WNW	1	SSE	2	NE	------	2.5
17	59.54	57.53	24.1	30.3	NW	1	N	2	SE	------	2.9
18	59.46	58.76	25.4	28.4	NNW	2	NNE	4	------	NE	------
19	58.78	57.03	25.5	29.5	NNW	2	NNE	4	NE	NE	10.5
20	58.36	57.13	25.1	29.7	NW	2	NNE	3	NE	N	------
21	58.64	58.51	26.7	29.8	N	2	NNE	3	NE	NE	------
22	60.48	59.81	25	29.6	NNW	1	NNW	2	------	N	43.9
23	60.67	59.81	24	29	NW	1	SE	1	------	N	------
24	60.99	59.91	23.9	28.6	WNW	1	NE	3	NE	N	------
25	61.22	59.46	25.6	29.2	ESE	3	E	2	N	------	5.8
26	60.78	59.31	24.4	29.5	NW	1	N	2	N	N	------
27	60.93	59.48	26	29.6	NW	2	N	3	NE	N	.5
28	61.48	60	25	29.6	NW	2	NNE	3	N	------	------
29	61.36	59.69	25.3	29.8	NNW	1	NNE	2	NE	------	2.3
30	60.39	59.46	25.6	29.7	NNW	2	NE	3	NE	NE	------
31	59.93	58.16	26.6	30	N	2	N	3	NE	NE	------
Mean	59.63	58.26	24.7	29.6	1.4		2.5		------	------	------
Total	------	------	------	------	------		------		------	------	185.1

NOVEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.02	57.74	25.4	29	NNW	2	N	2	NE	NE	------
2	59.08	58.51	25.8	29.2	NNW	2	N	2	N	NE	------
3	59.53	58.29	24.6	28.3	NW	1	NNW	2	N	NE	3
4	58.84	57.43	25.1	28.8	NW	1	NE	2	N	N	------
5	58.05	56.64	22.3	29	NNW	1	SE	2	------	NW	------
6	57.77	56.52	22.2	30.4	WNW	1	SSE	2	------	NW	------
7	57.92	56.96	22.2	30	NW	1	SE	2	W	N	------
8	60.37	59.77	22.8	30.1	NW	1	SE	1	WNW	SW	------
9	61.86	60.85	24.8	29.2	W	1	NE	2	SW	------	------
10	61.83	60.71	26.1	29.6	NW	1	NNE	3	NE	N	26.2
11	61.78	60.51	23.6	28.8	NNE	1	NNE	4	NE	NE	------
12	60.88	59.67	26.4?	28.2	NNE	2	NE	2	NE	NE	------
13	60.20	58.98	25.8?	28.6	N	2	N	3	NE	NE	6.6
14	59.50	58.01	25	28.8	N	2	NE	4	NE	------	1.6
15	58.98	58.04	26.4	27.3	NNE	2	NNE	3	ENE	NE	.8
16	58.85	57.17	22.3	29.3	NNE	3	NNE	3	ENE	ENE	------
17	58.10	57.64	26.6	28.6	NNE	2	NE	4	NE	ENE	1.3
18	58.28	58.05	26.1	26.6	N	2	NE	6	NE	NE	.5
19	59.08	57.16	25.8	29.3	N	1	NNE	2	NE	NE	------
20	58.41	56.43	26.8?	29.2	N	2	NNE	2	NE	ENE	------
21	57.57	56.13	27	29.7	NNE	2	NNE	2	NE	NE	------
22	57.56	56.02	25.2	29.5	NW	1	NE	2	NE	NE	------
23	57.64	56.64	25.8	29	N	1	NE	2	ENE	------	------
24	57.90	57.42	25.4	29	NW	1	NE	2	NE	NE	------
25	59.16	57.67	26.7	29	N	2	NE	3	NE	NE	------
26	59.39	58.19	26.8	28.8	N	2	NE	2	NE	NE	------
27	59.92	58.81	25	29.5	N	1	N	2	NE	NE	------
28	59.26	58.81	25.7	29.5	N	1	NNE	2	NE	NE	------
29	60.11	58.78	25.2	27.8	NNW	1	NE	2	NE	NE	------
30	59.53	58.20	25.1	27.8	NW	2	NNE	3	NE	N	2.5
31	------	------	------	------	------		------		------	------	------
Mean	59.21	58.06	25.1	28.9	1.5		2.5		------	------	------
Total	------	------	------	------	------		------		------	------	42.5

DECEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.49	58.75	25.5	29.5	NNE	2	N	2	ENE	NE	------
2	59.09	57.79	23.8	29.6	NNW	1	NNE	2	NE	N	------
3	58.50	58.33	25.6	26.4	N	2	N	1	NW	NE	6.6
4	59.10	57.26	23.9	29	NW	1	NNE	3	NE	NE	------
5	58.53	57.23	24	28.7	NNW	1	NNE	3	NE	N	------
6	57.90	56.27	25.1	28.6	NW	2	NNW	3	NE	N	------
7	57.35	55.88	24.8	30.6	N	2	N	2	NE	NW	------
8	57.62	57.46	23	28	WNW	1	SE	2	------	W	------
9	58.15	56.95	23.5	29.6	W	1	SSE	2	NE	W	------
10	57.85	56	24.1	29.6	WNW	1	SSE	2	NE	------	------
11	57.75	56.11	25	29.6	NW	1	SE	1	------	------	------
12	58.75	58.19	27.4	28	NE	3	NE	3	E	E	------
13	59.38	57.98	27	29.1	NNE	2	NNE	2	NE	NE	4.3
14	59.02	58.07	24.8	29	NW	2	N	3	NE	NNE	------
15	58.98	57.83	26.1	28.7	N	2	N	3	NE	NE	24.1
16	59.65	59.40	24.9	28.4	NW	1	NE	3	NE	E	1
17	60.13	59.36	26.6	27.6	NNE	3	NNE	2	NE	ENE	2
18	60.68	60.86	27	26.4	NE	4	NE	3	NE	NE	3.1
19	61.24	59.76	26.6	28.5	NE	4	NE	3	NE	ENE	------
20	60.29	60.57	24.3	28.1	WNW	1	E	2	NE	NE	1.3
21	61.41	60.90	26.8	28.8	NNE	4	NE	4	NE	NE	------
22	61.79	59.98	25	28.6	N	2	NE	3	NE	NE	------
23	61.30	60.01	25.6	28.8	NNE	3	NE	4	NE	ENE	------
24	61.67	60.06	25.8	28.5	N	2	NE	4	NE	NE	------
25	60.43	59.33	25	28.3	NNW	2	NE	2	ENE	NE	6.6
26	60.45	58.15	23.9	27.5	N	2	N	2	NE	NE	1.3
27	59.36	58.21	26.4	27.4	NNE	3	NNE	4	NE	NE	------
28	59.96	58.14	26.4	28.8	N	4	N	3	ENE	NE	------
29	59.40	58.14	24.5	26.4	NNW	2	N	2	E	NE	2.3
30	58.97	57.70	25.2	28.2	N	2	NE	2	E	NE	1
31	59.28	57.23	26.3	29.5	NNE	3	NNE	2	ENE	NE	------
Mean	59.47	58.32	25.3	28.5	2.1		2.5		------	------	------
Total	------	------	------	------	------		------		------	------	55.3

YAP (WESTERN CAROLINES).

[$\phi = 9°\ 29'$ N; $\lambda = 138°\ 08'$ E; barometer above sea, 31.85 meters; gravity correction not applied, —1.87 mm.]

JANUARY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.18	55.56	25	29.5	Calm	NE 2	------	ENE	0.5
2	57.15	55.59	25.3	29.5	NE 1	NE 2	ENE	------	1.8
3	58.10	57.08	24.5	30	NNE 1	NNE 1	------	E	2.3
4	58.95	57.66	25.4	29.1	NNE 1	NNE 2	ENE	ENE	------
5	58.10	57.21	26.2	29.8	NE 1	EbyN 2	SEbyE	E	------
6	58.25	56.93	26	30.4	Calm	ENE 2	------	ESE	8.7
7	58.66	58.30	24	27.2	N 1	NE 2	ENE	ENE	------
8	59.45	57.28	24.5	29.2	N 1	NNE 2	------	------	------
9	56.88	55.33	26.1	28.7	NNE 2	NE 4	ENE	E	3.6
10	56.48	54.91	23.5	29.8	Calm	NNE 2	SE	ENE	.8
11	55.30	55.48	26.5	29.8	NE 1	NE 1	EbyS	------	------
12	56.43	56.48	26.5	30.5	EbyN 1	E 1	EbyS	------	3.6
13	57.20	56.93	24.5	29.4	N 1	NE 3	------	E	------
14	58.33	57.15	26	29.8	ENE 2	NE 2	------	E	.5
15	57.20	56.28	26	29.7	NNE 1	E 1	ESE	ESE	------
16	56.43	56.46	24.6	31.5	NW 1	N 1	------	------	------
17	57.85	57.26	24.5	30.5	NW 1	NNE 3	------	------	------
18	57.84	57.15	26.6	30.7	NE 3	NE 2	ESE	------	1.1
19	58.21	57.61	25	28.9	E 1	NE 1	------	EbyN	4.1
20	58	57.12	25.6	30	N 1	NE 2	EbyN	------	1.5
21	58.08	56.48	24.5	28.7	N 1	NE 3	EbyN	------	------
22	57.33	55.90	26	28.4	NNE 2	NNE 2	EbyN	------	2
23	56.10	55.34	25.7	30.7	NNE 2	NE 1	------	E	------
24	55.32	54.49	25.2	29.5	NNE 1	NNE 2	ENE	ENE	10.9
25	55.62	55.53	24.1	27.6	NNE 3	NE 1	EbyS	------	.3
26	56.40	54.95	25.2	29.4	NNE 1	NE 3	ENE	E	------
27	56.01	55.14	25.6	30.2	NNE 1	E 2	EbyN	ESE	------
28	55.91	55.28	26.5	30.2	NE 2	E 1	------	------	------
29	55.95	55.59	25.8	31.2	NE 1	ESE 1	ESE	------	------
30	56.43	55.06	23.4	30.5	NNE 1	NNW 1	------	E	1.3
31	56.75	55.59	25	28.7	NNE 1	N 2	------	ENE	2.5
Mean	57.16	56.23	25.3	29.6	1.2	1.8	------	------	------
Total	------	------	------	------	------	------	------	------	45.5

FEBRUARY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	55.55	54.90	25.3	28	NNE 1	NE 4	NE	ENE	3.5
2	56.21	55.60	25.4	27.9	NE 2	ENE 3	ENE	ENE	1.5
3	56.41	55.61	25.6	30.8	N 1	NNE 2	E	NNE	------
4	56.43	56.08	26.6	28.8	NE 3	NEbyN 2	E	E	2
5	56.70	55.85	25.6	29.8	NNE 1	N 1	ENE	------	19.3
6	56.60	55.05	24.6	28.7	N 3	NE 4	ENE	ENE	1.8
7	56.32	55.68	25.2	28.2	N 1	N 4	ENE	NEbyN	------
8	55.61	54.83	25.6	29.5	NNE 2	NNE 1	------	E	------
9	56.07	55.48	25.2	29.6	NNE 1	NE 2	------	ENE	1.8
10	57.58	56.28	23.8	29.7	NE 1	NNE 5	ENE	ENE	1
11	57.48	57.45	27.2	30.2	NNE 5	NNE 5	ENE	------	------
12	57.43	55.93	26.3	28.2	N 3	N 2	N	------	2.3
13	55	55.09	26	28.6	NNE 2	E 3	ENE	ESE	31.1
14	56.40	56.20	24.6	27	NNE 1	E 3	SE	------	7.6
15	56.78	57.15	25	26.4	NE 2	S 1	ESE	S	39.4
16	57.23	56.49	24.6	27.6	Calm	Calm	------	------	13
17	56.83	55.95	24.6	27.3	Calm	NNE 2	------	------	1.3
18	56.34	55.68	25.2	29	Calm	ENE 1	------	E	------
19	57.64	57.17	25.3	28.3	Calm	SbyW 1	------	S	------
20	58.43	57.90	26.3	28.7	ESE 1	ESE 1	------	SE	16
21	58.65	57.68	25	29	NE 1	NE 1	------	E	------
22	58.45	57.28	24.6	29.2	N 1	NE 1	ENE	ENE	------
23	57.73	57.61	24	28	Calm	Calm	------	NEbyE	.5
24	57.95	57.72	24.8	28.5	NbyW 1	E 1	ENE	E	3.8
25	58.22	56.77	22.8	29.8	Calm	NNW 1	SE	NW	.5
26	55.37	54.20	24.2	27.5	NNW 1	WSW 1	NW	WNW	1.3
27	52.26	51.82	25.3	26.3	NW 3	NNW 4	WNW	WNW	6.1
28	52.52	51.62	24.8	------	NNW 5	N 8	N	NE	162.1
29	------	------	------	------	------	------	------	------	------
30	------	------	------	------	------	------	------	------	------
31	------	------	------	------	------	------	------	------	------
Mean	56.58	55.90	25.1	28.2	1.5	2.3	------	------	------
Total	------	------	------	------	------	------	------	------	315.9

MARCH.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	53.39	52.13	------	------	N 3	NNW 1	N	N	139.7
2	49.88	50.18	------	------	W 3	W 5	N	WNW	91.3
3	52.41	52.90	------	------	NW 2	W 2	WNW	------	18.3
4	55.87	55.54	------	------	NNW 2	NNW 1	WNW	------	5.3
5	56.44	56.05	------	------	NNW 1	NNW 2	------	------	2.
6	56.65	55.75	------	------	Calm	WNW 1	------	------	------5
7	55.89	55.90	------	------	Calm	SW 1	W	------	1.5
8	56.63	56.60	------	------	SW 1	Calm	S	------	.
9	57.15	57.03	------	------	SE 1	SE 1	------	------	------8
10	58.14	57.46	25.6	29.5	Calm	E 1	------	E	.5
11	58.85	58.43	25.8	28.8	Calm	ENE 2	------	E	.
12	59.54	58.39	25.8	28.5	NW 2	NEbyN 4	------	E	2.5
13	58.63	57.16	26.4	28.5	NE 4	NE 3	------	E	1
14	57.14	56.11	25.5	28.4	NNE 2	N 3	ENE	ENE	17.3
15	57.22	56.42	23.3	27.7	NE 1	NNE 3	ESE	------	4.6
16	57.32	57.27	24.4	28.1	NE 1	NE 2	------	ENE	.5
17	57.65	56.91	25.4	28.3	Calm	E 2	------	E	.8
18	57.45	56.18	25.8	26.8	N 1	N 3	E	------	9.7
19	57.65	56.67	24.5	28	Calm	NE 1	------	------	.5
20	57.32	56.71	24.5	29	N 1	NNE 2	------	ENE	------
21	57.51	57.01	24.5	28.6	Calm	NNE 2	------	------	3
22	58.64	57.38	25	28.6	NNE 1	NNE 2	------	ENE	2
23	58.30	57.34	24.2	28.2	Calm	NE 1	------	ENE	2.1
24	58.20	57.37	24.6	29	NNE 1	NNE 1	EbyN	ENE	------
25	58.80	57.98	25	28.6	NNE 1	N 1	------	------	------
26	59.22	58.26	24.8	28.6	Calm	NNE 2	------	------	------
27	58.70	58.25	26.5	25.4	NNE 3	Calm	------	------	14.2
28	58.33	57.56	25	28.4	NE 2	NE 2	------	ENE	1.8
29	58.70	58.08	25	28.8	N 1	NE 1	------	ESE	11.2
30	58.38	57.16	25.8	28.7	Calm	NNE 2	E	------	1.8
31	57.10	55.66	24.8	29.8	Calm	NNE 2	------	ENE	1.8
Mean	57.20	56.51	25.1	28.4	1.1	1.8	------	------	------
Total	------	------	------	------	------	------	------	------	334.9

APRIL.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	56.12	54.93	24.7	30.5	Calm	N 1	ENE	ENE	------
2	56.23	56.08	26	29.8	N 1	NNE 1	ENE	ENE	2.3
3	56.97	55.63	26.5	25.8	NE 1	Calm	ENE	------	4.4
4	56.74	56.78	27	25.2	ENE 3	ESE 3	S	SE	18.8
5	56.85	56.04	26.5	26	E 1	NNE 1	SE	------	18.1
6	57.15	56.46	25.7	28.8	NE 1	ENE 1	------	------	7.9
7	57.32	56.46	24	28.7	Calm	NE 1	------	ENE	------
8	56.95	55.89	25.8	29.4	NNE 1	NNE 1	ENE	ENE	------
9	56.65	55.63	26.5	29.6	NE 1	NE 1	ENE	ENE	------
10	56.23	55.29	26.4	28.7	NE 2	NE 2	ENE	ENE	------
11	56.08	55.12	26.6	29	NE 1	NE 2	ENE	ENE	.3
12	56.20	56.03	25.8	27	N 2	NE 3	ENE	ENE	6.9
13	56.93	55.66	27	29.4	NE 2	NE 3	ENE	ENE	------
14	56.18	55.11	26.8	28.6	NE 1	NE 2	W	W	1.3
15	55.95	55.01	26.5	29	NNE 1	NE 2	ENE	ENE	.3
16	56.43	55.51	26.7	27.4	N 1	NE 1	EbyN	ENE	5.3
17	56.15	54.76	25.8	28.4	NE 1	NE 2	------	ENE	12.9
18	55.07	54.70	25.6	26.5	NE 3	ENE 2	E	------	6.4
19	54.89	55.16	27	28.2	NE 2	E 2	ENE	ESE	27.2
20	57.41	56.83	26	26.4	NE 3	NE 4	E	------	26.9
21	58.40	57.63	24.8	28	NE 4	E 2	E	SE	4
22	59.10	58.40	25.5	24.8	Calm	NNE 1	------	E	11.2
23	58.90	57.74	24.8	29.4	N 1	NE 1	NW	------	------
24	59.10	57.94	23.8	29	Calm	NE 1	------	------	7.6
25	59.54	58.28	24.3	30.4	Calm	E 1	ENE	NW	------
26	60.06	57.92	23.8	28.7	Calm	N 1	------	WNW	------
27	58.13	57.13	24.7	30.4	Calm	NW 1	NWbyN	NWbyN	5.6
28	57.45	56.03	23.8	29.5	Calm	Calm	------	NW	.8
29	57.99	56.16	25.4	30.5	Calm	N 1	------	------	------
30	57.65	57.06	24.6	29.5	Calm	Calm	------	------	.2
31	------	------	------	------	------	------	------	------	------
Mean	57.16	56.25	25.6	28.4	1.1	1.5	------	------	------
Total	------	------	------	------	------	------	------	------	168.4

YAP (WESTERN CAROLINES).

[$\phi = 9°\ 29'$ N; $\lambda = 138°\ 08'$ E; barometer above sea, 31.85 meters; gravity correction not applied, −1.87 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.10	57.28	25.2	25.4	Calm	Calm			5.1
2	57.65	56.56	25	28.4	Calm	Calm			6.8
3	58.16	57.13	25.2	29	Calm	Calm			
4	59.18	58.06	25.4	28.8	Calm	N 1			14.5
5	59.45	58.78	24	28.2	Calm	NE 2			26.4
6	59.35	58.26	25.4	29.7	Calm	NE 1	E	E	6.9
7	59.05	58.23	24.4	30.4	Calm	Calm	ESE		21.1
8	59.24	57.91	25.2	30.4	Calm	NE 1	E		
9	58.82	57.66	25.9	30.3	Calm	Calm		ENE	9.9
10	58.36	57.45	25.4	29.2	NE 1	E 2	ENE	E	20.1
11	58.29	57.64	24	27.8	Calm	E 1		SE	6.1
12	58.36	56.98	24.4	29.2	Calm	Calm	SE	E	
13	57.90	56.73	25.2	30.2	Calm	ENE 1			9.1
14	57.78	56.98	25	28.8	Calm	ENE 2			5.1
15	57.90	57.21	25.1	30.4	Calm	ENE 1	ENE	ESE	
16	58.43	57.11	25.5	30.4	Calm	ENE 1	E		
17	57.45	56.18	26.2	28.8	Calm	Calm	E		8.9
18	56.78	56.17	25.7	31.4	Calm	Calm			6.6
19	57.53	57.08	25.6	28	Calm	Calm		WNW	.5
20	58.38	57.04	26	30.7	N 1	ENE 1	SE		
21	57.70	56.41	26.6	28.8	N 1	NNE 1		E	
22	57.33	55.81	25.8	29.8	N 1	NE 2	ENE	ENE	2.3
23	56.32	55.08	27	30.2	NNE 2	NE 2	ENE	ENE	.5
24	56.16	55.66	27.1	29.4	E 2	Calm	ESE		.8
25	57.49	56.66	26.8	31.3	Calm	Calm			
26	57.40	56.69	25.3	30.6	Calm	Calm	E	E	2.8
27	57.78	57.24	25.2	27.1	Calm	Calm		E	44
28	58.69	57.23	24.4	27.8	Calm	ENE 1		variable	.5
29	56.79	55.98	25.7	27.6	Calm	Calm			6.8
30	56.33	56.23	26.8	26.6	E 1	ESE 1	ESE	ESE	35.5
31	58.18	57.58	24.4	30	EbyN 2	E 1	ESE	NW	1.8
Mean	57.95	57	25.4	29.2	0.4	0.7			
Total									242.1

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.83	57.32	27	29.6	NE 1	E 1	ESE	E	3.8
2	57.68	57.73	26.4	28.7	NE 2	NE 1	ENE		3.8
3	57.90	57.43	25.5	29.2	NE 1	NE 2	E	E	1
4	57.89	56.87	25.3	28.4	N 1	NE 2		ENE	1.3
5	57.29	56.28	25.3	29.4	Calm	NE 1		E	
6	57.47	56.78	25.8	30.4	Calm	NW 1		ENE	1.8
7	57.65	56.46	27	31.8	SE 1	SE 1			
8	57.37	56.88	25.8	27.8	Calm	Calm	NbyE		5.8
9	56.83	56.51	25.4	29.4	Calm	N 1		E	9.4
10	57.10	56.26	25.7	30	Calm	NE 2		E	15
11	56.60	55.89	25.7	29.5	Calm	NE 2	E	ENE	1.3
12	56.88	56.07	25.7	28.8	Calm	NE 1	ENE	WNW	18.3
13	55.84	56.17	25.3	29.4	Calm	WSW 2	WNW	WNW	17.7
14	57.55	57.38	26.8	24.7	SW 2	SW 3	W	W	8.1
15	58.25	57.34	25.7	29.3	Calm	WSW 2	WSW	W	5.1
16	57.63	57.03	26.5	29.4	SW 1	SW 1	WSW	WSW	2.5
17	57.93	56.38	25.4	30.4	Calm	Calm			8.4
18	57.80	56.91	24.8	29.8	Calm	N 1		SE	1.8
19	58.30	57.13	25.7	29	Calm	NE 1		ENE	11.7
20	57.57	57.73	25.5	28.2	Calm	SE 1	E	SE	5.3
21	58.43	58.06	25.6	26.7	Calm	Calm		SE	.3
22	59.28	58.81	25.3	28.6	Calm	Calm	ESE		.3
23	59.58	58.33	25.2	30.4	Calm	E 1		SE	
24	58.83	57.21	25.1	31.6	Calm	SW 1			14.2
25	57.54	57.31	24.8	28.6	Calm	Calm	WNW	ENE	12.2
26	57.37	57.68	25.2	26.2	Calm	SW 2	WNW		24.4
27	57.26	56.96	24.8	29.6	Calm	SW 1	WNW	WNW	19.5
28	58.06	56.66	23.6	30.4	Calm	Calm	WbyN		
29	56.73	56.11	25.8	27.2	SW 1	NW 2		SE	2.5
30	57.25	56.27	24.8	28	Calm	Calm	SE	SE	3.5
Mean	57.69	57	25.6	29	0.3	1.1			
Total									199

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.68	56.66	25.8	30.4	E 1	N 1		ENE	8.1
2	57.83	57.23	25.7	29.6	NE 2	NE 1	ENE	EbyS	1.3
3	58.10	57.16	26	30.5	NE 2	E 1		SE	20.4
4	57.95	56.47	24.4	30.3	Calm	W 1	ENE	SE	4.6
5	56.88	56.36	25.4	31.8	Calm	Calm			.8
6	57.18	56.41	25.4	31.3	Calm	SW 1			10.7
7	57.73	56.93	24.7	31.2	Calm	W 2		W	42.7
8	58.08	57.38	23.8	28.5	Calm	WSW 1	WNW	WNW	35.8
9	56.67	57	24.2	24.5	NW 2	Calm	WNW	WNW	12.7
10	56.12	55.50	24.6	23.4	Calm	Calm			84.8
11	55.70	54.50	24.5	26.5	Calm	SW 3	SSW	SW	1.8
12	57	58.07	24.8	23.4	Calm	Calm	WNW		10.7
13	58.27	57.66	24.4	28.4	Calm	W 1		WNW	4.4
14	58.85	57.68	24.8	28.4	Calm	WSW 1	WNW	WNW	42.5
15	58.27	57.78	23	24.3	Calm	Calm		NW	41.4
16	56.83	55.15	25.6	25	NW 1	Calm	NW	NW	103.4
17	54.97	54.30	24.4	26.4	NW 1	NNW 1	NNW	NNW	23.6
18	52.22	49.89	24.8	24.4	NNW 4	NW 1	NNW	NNW	319.3
19	49.79	50.96	23.8	24	WSW 7	SW 6		SW	22.1
20	52.42	52.72	24	25.4	SW 3	SW 3		SW	19.8
21	53.30	52.90	26	27.8	WSW 2	SW 2	WNW	WNW	2.5
22	53.65	53.41	25.8		SW 2	WSW 4	WNW		23.1
23	55.37	55.05	25.2	26.4	S 2	SW 2	SSW		72.9
24	56.39	56.92	24.6	24.2	SSW 1	Calm	S	WNW	49.8
25	56.65	55.72	24.6	29.4	Calm	WSW 1	WNW	WNW	27
26	56.26	54.93	24.4	25.4	WNW 1	Calm	nwbyw	nwbyw	108
27	56.37	54.37	24.8	27	NW 1	W 1	nwbyw		16.5
28	56.42	55.81	24.4	26.4	SW 1	S 1	SSW	S	9.1
29	56.37	56.16	24.5	28.8	Calm	S 1		SW	18
30	57.05	56.51	25.4	29.4	WSW 1	SW 2	SSW	SW	1
31	56.50	56.83	26	27.4	SW 2	SW 1	W	SW	23.4
Mean	56.22	55.63	24.8	27.3	1.2	1.3			
Total									1,162.2

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.09	57.06	24.4	24	Calm	WSW 2		W	6.6
2	57.03	57.20	25.6	24.3	WSW 1	W 1	NW		61.7
3	57.82	56.57	23.3	24.9	Calm	Calm	W		18.8
4	57.71	56.28	25	28.6	W 1	WSW 2	WSW		1.3
5	57.13	56.16	24.7	30.2	Calm	SW 1		WSW	
6	56.60	55.28	25	29.4	Calm	SSW 2	WSW	WSW	
7	55.69	54.88	25.4	28.7	SSW 1	SW 1	WSW	SW	.3
8	55.05	54.05	25.9	28.7	SSW 1	S 2	SW	SW	1
9	55.37	54.71	25.6	30	SW 1	SSW 2	SW	SW	2.8
10	55.70	54.56	26	29.3	Calm	SSW 2	SW	WSW	
11	55.86	55.16	26.4	30.6	SW 1	WSW 2	WSW	WSW	32.3
12	57.09	55.98	23.8	27.4	SW 1	swbyw 3	SSW		14.5
13	57.11	56.63	26.2	29	SW 1	SSW 3			.8
14	58.45	57.89	25.7	29.4	Calm	SW 1			
15	59.15	57.78	24.6	29.6	Calm	W 1		W	34
16	58.30	56.64	23.3	28.1	NW 1	WbyS 1		W	41.9
17	56.29	55.04	23.3	28.3	Calm	SW 2	WNW		7.6
18	55.13	54.90	25.4		SW 2	SW 1	SW	W	1.6
19	55.39	56.35		23	SW 1	S 1	WNW		24.7
20	56.77	55.82	24.5	25.8	WSW 1	W 1	WNW	WNW	48
21	56.05	54.90	24.8	25.4	Calm	WSW 1	WNW		14.7
22	53.34	51.87	24.3	26.6	W 2	SW 2	WNW	WSW	32
23	52.38	52.38	23.8	26.8	SW 4	SSW 4	SW	SSW	12
24	55.63	55.55	25.4	29	SSW 1	SSW 2	WSW	SW	.5
25	57.23	56.29	25.7	28.8	WSW 1	SW 2	WSW	WSW	
26	57.09	56.44	25.4	30	WSW 1	WSW 2		SW	
27	58.11	57.01	24.4	29.8	Calm	SW 1	WNW		.3
28	58.60	57.63	24.2	31	Calm	WbyS 1			
29	58.10	57.03	24.4	30.1	Calm	S 1	variable	SSW	
30	57.85	57.43	24.6	30.4	Calm	S 1	SSW	SSW	
31	58.59	57.83	25.4	32.6	Calm	W 1	S		
Mean	56.70	55.91	24.9	28.3	0.7	1.6			
Total									357.4

YAP (WESTERN CAROLINES).

[ϕ=9° 29′ N; λ=138° 03′ E; barometer above sea, 31.85 meters; gravity correction not applied, —1.87 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	58.95	57.41	25	31.7	Calm	WNW 1	------	------	13
2	57.90	57.45	25.2	30	NW 1	W 1	------	W	.5
3	56.78	56.68	25.7	28.6	Calm	WSW 1	W	WNW	24.7
4	57.65	57.21	24.9	26.8	Calm	NE 1	WNW	WNW	15
5	58.06	56.68	23.7	29.7	Calm	Calm	------	------	.5
6	57.79	56.79	24.6	27.4	Calm	Calm	------	------	14.7
7	57.76	56.51	24	29.4	NNE 2	Calm	EbyN	EbyN	9.7
8	56.81	55.46	23.2	28.4	Calm	Calm	------	------	3.8
9	56.39	55.80	24.7	29.6	Calm	Calm	------	------	17.3
10	56.98	55.88	25.3	29.3	Calm	NW 1	ESE	E	43.5
11	56.99	55.73	25.4	31	Calm	WNW 1	------	NbyW	.8
12	56.25	54.58	25.4	29.2	Calm	WSW 3	NbyW	NW	3
13	54.98	53.33	25.6	28.8	SW 1	SW 2	W	W	5.6
14	53.42	54.16	25.2	27.2	SW 1	SW 3	------	WSW	15.5
15	56.35	55.61	25	27.4	SW 1	SW 1	WSW	WSW	4.6
16	57.41	56.23	26	28.2	WSW 1	WSW 2	------	SW	2.3
17	57.50	56.92	24.8	24	WSW 1	WNW 1	WNW	WNW	48.8
18	56.88	56.15	25.2	28.4	SW 2	WSW 2	WNW	WSW	3.3
19	56.80	56.37	24.7	28.6	SW 1	SW 2	------	WSW	.2
20	57.44	57.20	26	23.4	SW 2	NNE 2	W	NE	8.6
21	56.70	54.93	23.6	29.4	Calm	Calm	------	ENE	.5
22	55.55	54.60	24.2	30	Calm	WSW 2	------	SW	3.8
23	56.45	55.48	24.5	30.6	Calm	WSW 1	SW	WSW	5.4
24	56.44	55.56	24.8	29.6	Calm	SW 1	------	Variable	------
25	56.60	55.67	25.2	29.3	Calm	SSW 1	WSW	SW	.2
26	57.10	56.09	24.4	28.1	NNW 1	Calm	NW	WNW	2.5
27	57.44	56.33	24.3	31.8	Calm	NW 1	N	N	6.6
28	57.19	56.08	25	29.7	Calm	WSW 1	NW	NW	4.1
29	57.50	56.92	24.8	27.3	Calm	WNW 1	NW	NNW	.5
30	57.13	55.73	24.7	30.2	Calm	ENE 1	------	NNE	1.8
31	------	------	------	------	------	------	------	------	------
Mean	56.91	55.98	24.8	28.8	0.5	1.1	------	------	------
Total	------	------	------	------	------	------	------	------	260.8

OCTOBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	57.60	56.88	25.7	29.6	Calm	Calm	ESE	SE	6.9
2	58.35	57.53	24.7	28.6	Calm	Calm	------	WNW	15.5
3	58.03	56.87	25.2	30.8	Calm	Calm	------	NW	5.6
4	57.33	56.64	24.8	25.6	Calm	Calm	WNW	SW	9.9
5	57.10	55.85	25.3	29.8	Calm	W 2	S	NW	15.5
6	59.11	56.48	22.6	27.4	N 2	Calm	ENE	NNW	5.8
7	58.20	57.01	24.4	31.2	Calm	Calm	------	ENE	3.8
8	58.20	57	24.4	26.2	Calm	Calm	ENE	ENE	14.7
9	58.50	56.67	24.4	28.6	Calm	Calm	NW	W	27.2
10	56.78	56.18	24.4	26	Calm	Calm	------	ENE	33.5
11	56.35	55.39	24.9	29.4	Calm	W 2	EbyN	W	14.8
12	55.90	54.81	25.1	30.4	Calm	W 1	WNW	WNW	2.5
13	56.53	56.36	25.4	28.6	Calm	SW 2	WNW	WSW	9.4
14	57.10	56.51	25.4	28.2	Calm	WSW 2	------	WSW	3.6
15	58.55	56.43	25.3	30.8	Calm	W 1	WSW	W	3.3
16	57.80	56.52	25	31.8	Calm	NW 1	------	NW	3.8
17	57.95	56.37	24.5	30	Calm	NE 1	------	ENE	3.8
18	57.38	56.35	25.4	23.6	NNE 1	Calm	------	NW	84.6
19	55.99	54.53	24.8	29.8	NNE 1	NNW 1	NW	NbyW	3.6
20	54.55	53.69	25.6	30.5	SW 1	SW 2	W	W	1
21	56.33	56.60	25.4	30.5	Calm	SW 2	SW	WSW	3.8
22	58.63	58.31	26.5	29.9	SW 1	SW 1	SSW	E	13
23	58.95	58.28	24.5	29	S 1	SW 3	SSW	SW	3.3
24	59.44	58.33	25	32	Calm	WNW 1	------	WbyN	------
25	59.40	58.41	24.5	31.3	Calm	NNW 1	------	NW	------
26	58.98	57.93	24.6	30.2	Calm	Calm	------	ENE	2.5
27	59.74	58.41	24.6	30	Calm	NNW 1	------	ENE	------
28	60.19	58.52	24.8	29.7	N 1	N 1	ENE	ENE	.8
29	59.61	57.78	25	29.4	Calm	NNE 2	ENE	ENE	------
30	57.85	56.59	25.4	29.4	N 1	N 2	ENE	ENE	.8
31	56.81	55.07	24.7	30.2	N 1	N 1	ENE	NW	3.6
Mean	57.85	56.69	24.9	29.3	0.3	1	------	------	------
Total	------	------	------	------	------	------	------	------	296.6

NOVEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	55.16	53.02	25.6	29.2	WNW 1	WbyS 2	NW	WNW	1.5
2	53.84	53.23	27	29.1	SW 3	SW 3	WSW	SW	1.3
3	54.80	53.66	26.8	30.1	SW 3	SSW 3	WSW	SW	.3
4	54.31	53.31	27	28.7	SW 2	SW 2	SW	WSW	12.4
5	54.19	53.97	25.4	30	SW 1	SW 2	WSW	WSW	13.7
6	56.07	56.19	23.6	26.2	SW 4	SSW 1	WSW	E	1
7	57.80	58.11	26.9	30.4	S 2	S 2	SSW	S	------
8	60.04	59.78	26.6	30.6	E 3	ENE 1	SE	ESE	------
9	61.63	60.23	25.1	30.1	NNE 1	N 3	ENE	ENE	------
10	60.94	59.21	25.3	29.5	N 1	NbyE 3	NNE	NNE	.5
11	59.48	58.04	25.4	29.3	NbyE 1	NNE 3	NNE	NE	.5
12	59.18	57.48	25.8	28.4	NNE 1	NE 3	ENE	ENE	.5
13	58.48	57.11	26.1	29.2	NNE 2	NE 3	NE	ENE	2.8
14	57.59	56.93	24.7	27.8	NW 1	NE 2	ENE	ENE	3.8
15	57.86	56.87	24.6	30.2	Calm	ENE 1	ENE	ESE	.5
16	57.63	57.06	26.3	29.7	NE 3	NE 4	ENE	ENE	------
17	57.70	56.81	26.3	29	NE 2	N 2	ENE	ENE	.5
18	57.25	56.61	26.4	29.4	NNE 2	NNE 2	ENE	ENE	2
19	57.89	56.73	25.5	29.6	NNE 1	NNE 1	------	ENE	------
20	56.84	55.37	25.1	29.1	Calm	NE 1	ENE	ENE	------
21	56.49	55.33	25.2	30.8	Calm	NE 1	ENE	ENE	------
22	56.48	55.63	25.2	30.8	NNE 1	ENE 1	ENE	ENE	------
23	57.90	56.60	24.7	30.4	NNE 1	NE 2	ENE	ENE	------
24	57.95	56.83	24.8	29.4	NNE 1	NE 2	------	ENE	------
25	58.20	56.87	25.8	29.5	NNE 1	NNE 2	ENE	ENE	7.1
26	57.54	56.38	26.1	29.2	NE 2	NE 2	ENE	ENE	1.5
27	57.21	56.05	26.2	28.4	NE 2	NE 2	ENE	ENE	4.1
28	57.56	57	23.8	29.2	Calm	E 1	------	ENE	7.1
29	58.45	56.85	24.4	27.4	N 1	NE 2	NbyE	ENE	12
30	57.91	56.51	24.7	28.4	Calm	NbyE 2	EbyN	ENE	2
31	------	------	------	------	------	------	------	------	------
Mean	57.48	56.46	25.5	29.3	1.4	2	------	------	------
Total	------	------	------	------	------	------	------	------	75.1

DECEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	57.59	56.53	25	26.2	Calm	NNE 1	------	NEbyN	23.1
2	57.80	55.65	25	28.1	NNE 1	NE 2	ENE	ENE	1.8
3	56.60	55.36	24.9	29.7	N 1	NNW 1	NE	NE	11.7
4	56.07	55.18	24.7	28.8	N 1	NE 1	------	------	10.9
5	54.44	52.16	23.6	25.4	W 1	W 3	WNW	WNW	3
6	55.55	55.65	26	29	E 2	SE 1	E	SE	5.4
7	57.25	56.53	25	29	Calm	ENE 2	SE	EbyN	1.5
8	58.25	56.97	24.8	28.4	NNE 1	NE 2	E	ENE	1.6
9	57.85	56.65	25.4	26.7	N 1	NE 2	ENE	ENE	3.8
10	57.45	55.80	25	28.4	N 1	NE 2	ENE	ENE	------
11	57.13	56.29	25.5	27.8	N 2	NE 1	------	------	4.8
12	57.45	56.67	25.8	28.6	NNE 2	NE 3	ENE	ENE	.8
13	57.73	57.07	25.8	28.8	NNE 2	NE 3	ENE	ENE	.8
14	57.67	56.69	26.7	29.4	NNE 4	NE 3	ENE	ENE	3.6
15	58.20	57.37	25.4	28.2	NNE 1	NE 4	ENE	ENE	3
16	58.29	57.96	26.5	28.5	NE 3	NE 4	ENE	ENE	7.2
17	59.04	58.08	24.1	28.5	NE 4	NE 2	ENE	ENE	.2
18	59.79	58.58	26	28.9	NE 3	NE 3	ENE	ENE	.1
19	59.81	58.26	25.7	26.4	N 2	NE 2	ENE	ENE	7.4
20	59.45	58.61	24.5	27.4	NE 3	NE 4	ENE	ENE	3
21	60.80	59.54	25.8	28	NE 2	N 1	ENE	NEbyE	.8
22	60.03	58.43	25.8	27.8	NNE 2	NNE 3	ENE	ENE	1.5
23	59.13	58.26	26.3	28	NE 4	NNE 3	ENE	ENE	1.5
24	59.59	58.25	24.3	24.9	NE 1	NE 4	E	------	4.3
25	58.79	57.58	25.5	28	NE 3	NE 2	E	ENE	4.4
26	58.44	56.98	25	27.8	NE 2	ENE 4	ESE	ENE	6.9
27	58.49	57.61	25	28	N 2	NE 2	ENE	ENE	4.6
28	57.65	56.68	24.3	28	N 1	NE 4	ENE	ENE	1.5
29	57.45	56.50	26	26.8	NE 2	N 2	E	ENE	.3
30	57.60	56.37	26.2	27.4	NE 3	NE 5	ENE	------	------
31	58.04	------	26	------	N 3	------	------	------	------
Mean	58.05	56.94	25.3	27.9	1.9	2.5	------	------	------
Total	------	------	------	------	------	------	------	------	[1]119.5

[1] 30 days of observation.

SURIGAO.

[$\phi = 9°\ 48'$ N; $\lambda = 125°\ 29'$ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	59.47	57.11	26.9	31.9	WSW 1	WbyN 2			
2	59.46	56.66	25.1	31.9	SbyW 1	SW 2			27.9
3	58.68	56.88	24.6	30.9	Calm	WSW 2	SW	SW	
4	58.92	57.38	26.3	31.9	WSW 1	WSW 1	W	W	1.3
5	58.77	57.16	25.1	29.4	Calm	WSW 1	W	W	
6	58.86	56.89	25	31	SSW 1	WbyS 1	W	W	
7	58.90	56.86	24	30.1	Calm	WbyN 1			
8	58.22	56.30	25.1	30.2	Calm	NW 1	SW	SW	
9	57.45	55.95	24.2	29.5	Calm	NW 1			
10	57.79	57.96	24.4	25.4	Calm	WNW 1	SW	SW	2.3
11	59.13	57.60	26.3	29.7	Calm	SSW 1	SW	SW	8.3
12	59.25	56.69	24.7	30	SW 1	WSW 1		SW	56.9
13	57.79	56.30	24.7	29.5	SSW 1	W 3		W	28.5
14	57.02		24.7		W 1		W		2.3
15	55.60	54.69	26.8	30.2	WSW 2	SSW 2	WSW	SW	
16	56.35	55.45	27.8?	30	SW 1	SSW 2	SW	SW	
17	57.53	55.83	27.2	30.5	SSW 1	SW 2	SSW	SW	
18	57.22	55.82	25.8	32.6	Calm	WSW 1	WNW		
19	57.53	56.47	25	31.6	Calm	SW 1	WNW	SSW	
20	58.98	57.29	24	29.7	Calm	WNW 1	SSW	WSW	3.6
21	58.93	56.06	24	30.2	Calm	Calm	NW	SW	33.2
22	57.12	55.31	23.6	29.6	Calm	SW 1	WNW	SW	6.1
23	57.40	56.04	24	30	Calm	WSW 1	WSW	SW	54.4
24	58.50	56.68	23.6	30.4	Calm	SSW 1	WSW	WSW	1.1
25	57.44	55.31	24.5	30.6	Calm	SW 2	WSW	WSW	.4
26	55.38	53.94	27	30.9	SW 2	SSW 1	SW	SW	
27	56.21	54.08	27	32.1	SSW 1	SW 1	SW	SW	
28	57.49	56.03	25.3	32.4	Calm	Calm	SSW	WSW	
29	58.77	58.16	25	30.5	Calm	W 1	W	SW	
30	59.05	57.13	23.8	31.4	Calm	WNW 1			
31									
Mean	57.97	56.35	25.2	30.5	0.5	1.2			
Total									221.3

OCTOBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	59.18	57.20	24.4	31.5	Calm	WNW 1	SSW	SE	
2	60.05	58.21	24.7	29.9	Calm	NW 1	NE	NE	0.6
3	60.23	58.06	24.5	28.7	Calm	ENE 1	NNE	NE	.3
4	59.37	56.29	24.2	29.6	Calm	NW 1	ESE	ESE	2.4
5	58.93	57.40	24.3	31.3	Calm	W 1		SSW	
6	59.12	58.04	24	30	Calm	Calm		WSW	
7	59.60	58.65	23.5	30	Calm	NW 1	NNE	NE	1.5
8	60.01	58.24	23.5	30	Calm	WNW 1		E	1.3
9	59.81	58.35	24.5	28.8	Calm	NW 1	ESE	E	.5
10	59.20	57.47	24.7	28.4	Calm	NW 1	NW	NW	10.7
11	58.45	57.91	23.7	26.2	Calm	Calm	NW	NE	2.5
12	58.43	57.14	23.3	29	Calm	Calm	NNW	WNW	
13	58.87	56.30	23.7	30	Calm	WNW 2	SSE	E	.6
14	57.83	58.08	24.8	26	Calm	NW 3	WSW	W	2.5
15	59.48	57.49	24	29.2	Calm	NW 1	SW	WSW	1.3
16	59.77	57.63	24.5	29.3	Calm	NW 1		E	.7
17	59.77	58.16	23.8	26.5	Calm	Calm	E	NE	30.5
18	59.86	58.66	24.6	26.5	Calm	Calm		NNE	6.9
19	58.88	57.26	24	27	Calm	Calm	ENE	NE	64
20	58.78	56.75	24.3	27.6	NE 1	NW 2		NNW	33.2
21	59.38	58.68	23.8	26.5	Calm	NE 1	NE	NE	9.2
22	59.97	59.49	23.3	27.6	Calm	NW 2	WNW	NW	35.6
23	61.53	59.40	23.5	28.9	Calm	Calm	N	ESE	.8
24	61.41	59.69	23.8	29.4	Calm	Calm		NNE	
25	61.33	59.71	24	28.4	Calm	NE 1	NNW		
26	61.21	59.34	23	29.1	Calm	NW 1		ENE	
27	61.38	59.96	24.2	27.3	Calm	Calm	NNE	NNE	7.6
28	61.75	60.24	24.3	28	Calm	WNW 1	NNE	NNE	19.6
29	61.62	59.76	23.7	26.7	Calm	NW 1	NE	NNW	15.4
30	60.81	59.33	23.7	28.4	Calm	NW 1	NE	ENE	5.6
31	60.06	58.07	24.5	28.2	Calm	NW 2	NNE	ENE	2.5
Mean	59.87	58.29	24	28.5	0	0.9			
Total									255.8

NOVEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	59.45	57.34	23.7	28.2	Calm	NW 1	NE	NNW	2.8
2	59.19	57.99	23.6	28.5	Calm	NWbyW 2	WNW	W	.2
3	59.35	58.21	23.1	26.3	Calm	NNW 1	NW	NNE	.3
4	58.98	56.52	23.8	28.4	Calm	W 1	NNW	WNW	
5	57.23	55.42	22.3	29.2	Calm	WSW 3	NW		
6	56.36	55.89	25.9	30.3	WSW 3	WSW 3	NW	SW	
7	57.18	56.25	27	30.1	SWbyW 3	SSW 1	SW	SSW	
8	60.41	59.66	27	30	WSW 1	WSW 1	SW		
9	62.54	60.34	25.3	28.3	Calm	NNE 1	NE	WSW	2.3
10	61.76	61.32	24.9	24.8	NE 1	NW 1	NNE	NNE	8.7
11	62.08	60.94	25.7	29	NEbyN 1	NE 1			
12	61.66	59.83	20.7	28.8	Calm	NNE 2	NE	ENE	
13	60.86	59.03	26	25.8	NE 1	NE 2	ENE	ENE	23.1
14	60.60	58.57	26.3	25.9	NE 2	NNE 1	NE	NE	26.6
15	59.08	57.90	25.5	27.4	NE 2	ENE 3	ENE	NE	5.1
16	59.19	57.26	26.6	27.8	ENE 1	NE 1	ENE	ENE	11.4
17	58.92	57.39	24.5	25.5	Calm	Calm	ENE	ENE	35.5
18	58.73	57.78	25.9	26.4	Calm	Calm	ENE	ENE	11
19	59.41	57.65	24.4	28.1	Calm	NE 1	ENE	ENE	.7
20	58.60	56.50	24.5	28.7	Calm	NNE 2	ENE	ENE	9.4
21	57.79	56.25	24	27.8	Calm	NE 2	ENE	ENE	3.6
22	58.02	55.47	24	27.7	Calm	NW 1	NE	ENE	.3
23	58.08	56.93	24	29	Calm	NE 1	ENE	ENE	.1
24	58.43	57.51	24.5	28.6	Calm	NNE 1	ENE	ENE	
25	59.47	58.14	23.8	29.4	Calm	NE 1	ENE	ENE	.1
26	60.06	58.21	26.4	30	ENE 1	NE 2	ENE	ENE	
27	60.26	58.66	26.3	26.5	Calm	Calm	NNE	NNE	27
28	59.85	58.80	24	27.9	Calm	NW 1	NE	ENE	.1
29	60.21	58.46	24.3	30.1	Calm	NE 2	ENE	ENE	5.3
30	59.56	58.23	24.5	25	Calm	Calm	ENE	ENE	2.3
31									
Mean	59.44	57.95	24.8	28	0.5	1.3			
Total									175.9

DECEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	59.91	58.54	24.3	30	Calm	NE 1	ENE	ENE	6.1
2	59.34	57.39	23.5	28.2	Calm	NNE 2	ENE	ENE	39.4
3	58.98	57.28	24.5	25.2	Calm	NW 3	NNE	NNE	126.5
4	59.78	57.01	23.5	28.5	Calm	Calm		ENE	9.8
5	58.89	57.52	24.5	25.5	Calm	Calm	NNE	N	18.1
6	57.98	55.65	24.5	27	Calm	NWbyN 1	NNE	N	.3
7	56.88	56.07	23.8	27.9	WSW 1	WSW 1	NW	W	
8	58.51	56.92	22	27.9	Calm	Calm	SSW	ESE	
9	58.39	56.67	24.5	28.3	Calm	Calm	SE	ESE	4.1
10	58.20	56.09	23.6	28.9	Calm	Calm	SW	ENE	
11	57.95	56.44	23.9	29.1	Calm	Calm		ESE	1
12	58.86	58.04	23.2	28.5	Calm	NE 1	ENE	ENE	24.6
13	59.48	58.34	24	24.7	Calm	ESE 1	ENE		40.5
14	59.25	57.97	22.3	28.1	Calm	NE 2	ENE	ENE	6.8
15	59.27	58.22	25.5	28.9	NE 1	NE 3	ENE	ENE	6.9
16	59.86	59.41	26.5	29	NEbyE 2	NEbyE 2	ENE	ENE	9.5
17	60.91	59.33	24	28.5	Calm	NE 3	ENE	ENE	3.3
18	61.48	60.63	24.9	29.3	Calm	ENE 2	ENE	E	.5
19	61.28	59.69	25.3	28	NE 1	ENE 1	E	E	1.8
20	60.55	60.38	23.8	28.5	Calm	NNE 1	ENE	E	.8
21	61.91	61.61	25.6	29.4	NEbyE 1	NE 2	ENE	ENE	
22	61.94	60.71	26.2	28.3	NE 1	NNE 3	ENE	E	1.3
23	61.24	60.35	25.7	29.2	NEbyE 1	NE 1	ENE	ENE	3.9
24	61.84	60.61	25.9	28.6	NE 1	NNE 2	ENE	E	1.8
25	59.69	59.31	25.3	27.1	NE 1	NE 1	ENE	ENE	5.1
26	60.05	58.53	26	25.9	NNE 2	NNE 2	ENE	ENE	8.9
27	59.55	58.49	26	26	NE 1	NE 2	ENE	ENE	1.3
28	59.92	58.63	25.1	27	Calm	NE 1	ENE	ENE	19.3
29	59.23	58.09	24.4	26.1	Calm	ENE 1	ENE	E	22.8
30	58.92	57.87	24.2	25.5	Calm	NNE 1	ENE	ENE	23.6
31	59.23	57.47	25.1	29	Calm	NNE 1	ENE	NE	2.7
Mean	59.65	58.36	24.6	27.8	0.4	1.3			
Total									390.7

This station was temporarily reduced to third-class station from September 14, 1911, to May 31, 1912. The observations for January to August will be found among the observations of first and second-class stations of this report.

MAASIN.

[$\phi = 10°\ 08'$ N; $\lambda = 124°\ 50'$ E; barometer above sea, 7.3 meters; gravity correction not applied, —1.85 mm.]

JANUARY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	60.28	58.90	23	29.4	N	1	SE	1	E	E	-------
2	60.22	58.55	22.6	28.6	N	1	E	1	E	E	-------
3	60.27	59.77	23	26.6	N	1	E	1	E	E	-------
4	60.70	59.15	23.4	27	N	1	E	1	E	E	-------
5	60.79	59.09	22.5	28.2	N	1	W	2	E	NE	-------
6	59.99	58.30	23.4	27	N	1	SW	2	E	NE	58.7
7	60.42	58.47	23.5	26.6	N	1	S	1	NE	E	53.3
8	60.19	58.40	23.2	27.6	N	1	SW	1	E	NE	-------
9	58.82	57.81	23.5	26.5	N	1	Calm		E	NE	16.3
10	57.83	56.31	22.4	29.2	N	1	E	2	E	E	-------
11	58.19	56.75	23	27.8	N	1	W	1	E	SW	-------
12	57.98	57.26	23	27.8	N	1	W	1	NE	NE	-------
13	58.64	58.59	24	28	N	1	S	1	E	W	-------
14	60.19	58.01	23	28.4	N	1	E	2	E	E	19.6
15	59.19	57.48	22.8	28.1	N	1	S	1	E	SW	-------
16	58.31	57.39	23.3	30	N	1	NW	1	E	E	3.6
17	59.64	57.40	23	30	N	1	E	1	E	E	-------
18	59.42	58.55	23.8	29.2	N	1	S	1	E	E	11.4
19	59.59	57.91	23	28.2	N	1	SW	2	W	SW	17.3
20	59.49	58.85	23.8	28.5	N	1	SW	1	E	NE	-------
21	59.64	57.85	23.6	27.8	N	1	W	1	E	E	12.4
22	59.67	57.48	22.6	29.2	N	1	E	1	E	-------	-------
23	58.14	56.36	23.4	28.4	N	1	W	2	E	N	-------
24	57.29	55.55	22.1	29	N	1	W	3	E	-------	-------
25	58.39	56.58	23	29.2	N	1	E	3	E	-------	-------
26	57.89	56.06	22.8	29	N	1	E	3	E	NE	-------
27	57.04	55.93	24	29.1	N	1	W	1	E	NE	-------
28	56.84	55.46	23.1	29	N	1	SE	3	S	-------	-------
29	57.49	56.13	23.8	29.2	N	1	W	2	NE	NE	-------
30	57.69	56.30	23	28.4	N	1	S	1	E	E	-------
31	57.89	56.63	24.0	29.4	N	1	E	1	E	NE	-------
Mean	58.97	57.52	23.2	28.4		1		1.5	-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	192.6

FEBRUARY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	57.99	56.58	23.8	29.6	N	1	E	3	E	E	-------
2	58.64	58.10	24	28.4	N	1	SW	2	E	E	-------
3	58.87	57.75	21.5	30.6	N	1	E	3	E	E	-------
4	59.49	58.15	23	30.2	N	1	E	4	E	E	-------
5	59.64	58.12	23	29.5	N	1	E	1	NE	E	13.7
6	58.67	57.35	23	26.9	N	1	W	0	NE	NE	46.7
7	59.39	58.57	22	23.4	N	1	E	2	E	E	66.8
8	59.12	57.90	23	29.6	N	1	NE	1	E	E	-------
9	58.99	57.71	22	28.5	N	1	Calm		E	NE	9.7
10	60.14	58.32	23.4	27.5	N	1	SW	2	E	NE	-------
11	61.10	59.99	22.6	28.4	N	1	SE	2	E	E	14.5
12	60.77	60.31	23.4	26	N	1	E	3	E	NE	53.9
13	60.19	59.02	22.6	27.2	N	1	S	2	NE	NE	-------
14	59.72	58.02	21	27.2	N	1	SW	1	SW	NE	-------
15	57.77	56.51	24.6	27.4	N	1	NW	3	NW	NW	-------
16	57.30	55.86	25	28.4	N	1	NW	2	NW	NW	-------
17	57.17	56.40	22.6	27.8	N	1	SW	2	swbys	NE	17
18	57.87	57.10	23	27.7	N	1	E	2	W	E	-------
19	58.60	57.82	24.1	27.6	N	1	W	1	NE	NE	87.4
20	60.37	59.17	23	26	N	1	W	1	NE	N	20.8
21	60.07	57.92	23.4	27.4	N	1	E	3	SW	E	4.1
22	59.02	56.71	24	28	N	1	NW	2	NE	N	18
23	59.14	57.55	23.4	27	N	1	NW	3	NW	NW	20.3
24	60.45	59.67	23.6	28.1	N	1	NW	2	NW	NW	-------
25	60.62	58.61	24.5	28.2	N	1	NW	3	NW	NW	-------
26	59.42	58.10	24.4	28.6	N	1	NW	3	NW	NW	-------
27	59.13	57.58	23.5	29.2	N	1	NW	3	NW	NW	-------
28	59.08	58.02	24	30	N	1	W	2	NW	SW	-------
Mean	59.24	57.96	23.3	28		1		2.1	-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	372.9

MARCH.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	59.82	58.60	23.4	29.6	N	1	N	3	W	SW	-------
2	59.77	58.10	23.3	29.8	N	1	NW	2	SbyW	-------	-------
3	59.54	58.44	22.2	28	N	1	W	1	E	E	-------
4	60.19	59.07	24	27.4	N	1	SW	2	NE	SW	-------
5	60.42	59.71	21.7	27.6	N	1	SW	1	E	NE	-------
6	60.32	59.27	21.6	27.3	N	1	SW	1	-------	E	-------
7	59.39	58.95	23	26.6	N	2	S	2	E	SE	-------
8	59.59	58.65	21.2	27.4	N	1	S	1	E	NE	-------
9	59.07	58.30	23.6	29.2	N	1	SW	2	E	E	-------
10	58.59	57.35	22.6	29.6	N	1	NW	2	W	NW	-------
11	58.15	57.23	25.4	29.5	N	1	NW	2	NE	NE	-------
12	59.55	59.08	23.5	30.8	N	1	E	3	SW	-------	-------
13	60.73	59.20	24	28.2	N	1	SW	2	NE	E	-------
14	59.44	58.40	22.2	28.6	N	1	SW	2	S	SW	-------
15	58.88	57.56	22.7	28.4	N	1	SW	1	E	W	-------
16	58.99	57.71	22.8	29	N	1	SE	4	SbyW	NE	-------
17	58.49	58.05	23	28.6	N	1	NW	2	E	NW	-------
18	59.48	58.30	24.1	28.6	N	1	S	1	NE	E	-------
19	59.49	58.87	24	26.2	N	1	N	1	E	NE	26.9
20	60.01	58.19	21.2	28	N	1	SW	2	S	NW	-------
21	60.27	59.24	23	28	N	1	S	1	NE	NE	-------
22	60.19	58.98	23	29.8	N	1	E	3	E	E	-------
23	60.90	58.80	24.4	28.6	N	1	W	2	E	NE	-------
24	60.19	59.08	23.5	29	N	1	W	1	E	E	-------
25	60.27	58.87	22.8	28	N	1	Calm		E	NE	9.7
26	60.97	59.39	23	29.5	N	1	E	3	E	E	-------
27	61.26	59.98	23	29.3	N	1	SW	1	SbyW	W	-------
28	60.77	59.44	22.8	28	N	1	W	1	E	NE	7.9
29	60.13	59.82	23.5	26	N	1	E	1	E	E	23.9
30	59.77	59.10	24.2	28.5	N	1	Calm		E	E	24.4
31	59.92	56.07	23	25.4	N	1	N	2	E	NE	47.2
Mean	59.82	58.64	23.1	28.3		1		1.7	-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	140

APRIL.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	57.61	55.84	24	28	N	1	S	1	SEbyS	E	-------
2	57.77	56.82	23	27.2	N	1	N	1	E	NE	10.9
3	58.22	57.60	25.6	29.4	N	1	S	1	S	NE	-------
4	58.89	57.55	24.1	27.9	N	1	SW	1	E	NE	-------
5	58.49	56.76	24	27	N	1	S	1	NE	E	54.1
6	58.97	57.65	24.6	26.6	N	1	N	1	E	E	34.5
7	58.49	56.33	23.5	27	N	1	S	1	E	E	22.4
8	57.87	55.88	23.8	29	N	1	SE	2	SbyW	E	-------
9	57.57	55.55	24.6	28.6	N	1	S	1	SW	E	-------
10	56.90	55.50	25	30.3	N	1	S	1	E	SW	-------
11	57.15	55.49	24.6	30.5	N	1	SE	3	-------	SE	-------
12	58.17	56.38	24.6	30.6	N	1	E	4	S	W	-------
13	58.30	57.42	24.2	29.5	N	1	SW	1	S	NE	-------
14	58.45	56.95	24.3	29	N	1	E	4	NE	E	-------
15	57.34	56.25	23.6	29.5	N	1	S	1	S	SW	-------
16	58.40	56.80	25	29.2	N	1	S	1	S	SW	-------
17	59.20	56.93	25	29	N	1	S	1	NE	S	-------
18	59.03	57.28	24.8	28.4	N	1	SE	3	W	E	-------
19	58.71	58.29	24.6	29.5	N	1	S	1	E	NE	-------
20	60.07	58.81	24	28.1	N	1	Calm		E	E	5.3
21	59.96	59.15	23.8	26.4	N	1	N	1	E	NE	45.7
22	58.22	56.55	23.2	26.6	N	1	NW	2	E	NW	-------
23	57.37	56.76	24.4	28.5	N	1	SE	2	E	E	-------
24	58.70	57.33	24.4	28.5	N	1	E	1	S	N	-------
25	59.95	58.29	25	29.2	N	1	SE	1	SE	SW	-------
26	60.72	58.70	25	29.2	N	1	E	1	SW	SW	-------
27	59.57	57.44	24.6	29.3	N	1	SE	2	SbyW	SW	-------
28	58.60	57.09	25	29	N	1	SW	2	E	N	-------
29	58.75	57.10	24.9	29.6	N	1	S	1	SW	SW	-------
30	58.47	57.77	25.5	27.6	N	1	S	1	SW	SW	12.7
Mean	58.53	57.08	24.4	28.6		1		1.5	-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	185.6

MAASIN.

[$\phi = 10°\ 08'$ N; $\lambda = 124°\ 50'$ E; barometer above sea, 7.3 meters; gravity correction not applied, −1 85 mm.]

MAY.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58.77	57.49	25	27.9	N	1	N	1	SW	SW	24.4
2	58.81	56.80	24.4	28.4	N	1	S	1	SW	E	31.2
3	57.79	57.11	23.2	28.8	N	1	SSE	1	S	E	-------
4	58.95	57.98	25.2	29.5	N	1	S	1	SW	SW	-------
5	60.23	58.60	25	28.6	N	1	S	1	E	SW	-------
6	60.35	58.55	24.4	27.5	N	1	S	1	SW	N	-------
7	60.33	58.04	25	28.6	N	1	E	1	N	N	-------
8	59.27	57.28	24.8	28.5	N	1	SE	1	SbyW	SW	-------
9	59.60	57.95	25	29	N	1	SSE	2	SW	SW	-------
10	59.29	57.90	24.8	29.3	N	1	S	1	S	SW	-------
11	58.72	57.10	25.2	29	N	1	S	1	S	E	12.4
12	58.48	56.80	25	29.1	N	1	SSW	1	SbyW	SW	-------
13	59.15	57	25.1	29.3	N	1	E	1	E	E	-------
14	57.60	56.32	24.8	27.6	N	1	E	1	SW	E	12.7
15	58.40	57.50	25.2	28.6	N	1	N	1	SW	N	-------
16	59.33	57.50	25.1	27.8	N	1	N	1	E	E	-------
17	58.17	56.88	25	29.3	N	1	S	1	S	N	-------
18	57.54	55.84	23.8	29.4	N	1	S	1	SEbyS	SW	------
19	58.15	56.33	25	28.4	N	1	S	1	SW	SW	-------
20	57.87	56.49	24.4	28.8	N	1	SE	3	SbyW	SW	9.9
21	58.40	56.52	24.8	29.6	N	1	ESE	2	S	W	-------
22	57.50	56.35	26	30.5	N	1	E	4	S	W	-------
23	57.81	55.55	25	31.4	N	1	E	1	S	E	-------
24	56.92	55.74	26.4	29.6	N	1	ESE	3	S	SW	-------
25	58.10	57	26	28.2	N	1	S	1	SbyW	NE	3
26	58.40	57.15	25	29.5	N	1	SE	2	SW	NE	-------
27	59.10	57.30	26.1	29.2	N	1	S	1	S	E	-------
28	58.57	56.75	25.5	29.6	N	1	S	1	SE	SW	-------
29	58.07	55.98	25	29.8	N	1	SE	1	S	SW	-------
30	57.85	56.49	26.5	30.2	N	1	S	1	E	SW	-------
31	58.12	56.87	26	29.8	N	1	E	4	S	NE	-------
Mean	58.57	57.01	25.1	29.1		1		1.4	-------	-------	-------
Total	------	------	------	------	------		------		------	------	93.6

JUNE.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.08	57.40	26.1	29.8	N	1	E	3	W	SW	-------
2	59.95	58.88	26	29	E	2	S	1	E	W	14.5
3	59.50	58.55	26.2	27.8	N	1	S	1	E	E	51.3
4	59.52	58.06	23.8	29	N	1	E	3	E	SW	-------
5	59.11	56.75	25	30.2	N	1	ESE	3	SW	E	-------
6	58.27	56.53	25	29.6	N	1	SE	3	SbyW	-------	-------
7	58.35	56.63	25.1	29.2	N	1	SE	3	S	SW	21.3
8	58.15	57.05	25.2	29	N	1	SE	2	E	SW	-------
9	58.45	57.52	25.5	30.4	N	1	ESE	1	SbyW	SW	-------
10	59.35	58.35	25.5	27.6	N	1	N	1	S	E	9.7
11	59.13	57.41	25	29.4	N	1	N	1	E	E	14.5
12	58.29	57.58	24.6	28.4	N	1	E	1	S	E	-------
13	58.67	58.47	25	27.5	N	1	SW	5	S	SW	5.6
14	59.50	59.08	24.4	30	N	1	S	1	E	SW	-------
15	59.95	58.63	25.5	29.2	N	1	SW	4	S	SW	-------
16	58.57	58.06	26	28	N	1	SW	3	SW	SW	18.3
17	57.72	56.37	25.6	27.6	N	1	SW	5	SW	SW	-------
18	57.42	56.49	26.2	28.4	SW	4	SW	4	SW	SW	9.1
19	58.40	57.25	24.4	28.2	N	1	S	1	SW	SW	-------
20	58.91	57.75	26	29	N	1	S	1	SbyW	S	-------
21	60.03	58.26	25.8	28.7	N	1	S	2	E	SE	-------
22	60.65	59.45	25.6	27.6	N	1	S	1	S	E	-------
23	60.58	59.36	25.4	29.4	N	1	S	1	W	E	-------
24	59.55	57.80	25.8	29	N	1	S	1	SE	W	-------
25	57.90	56.68	24.8	29.2	N	1	SSE	2	SE	SWbyW	17.3
26	58.82	57.17	23.8	27.6	N	1	S	2	SW	SE	-------
27	58.02	57.61	24.6	28.2	N	1	SW	3	SE	SW	-------
28	58.78	57.45	24.8	28.7	N	1	S	1	S	W	-------
29	57.87	56.34	25	28.9	N	1	NW	2	SE	SW	-------
30	55.80	55	24.6	27.5	N	1	SW	3	N	SW	14.5
31	------	------	------	------	------		------		------	------	------
Mean	58.81	57.60	25.2	28.7		1.1		2.2	-------	-------	-------
Total	------	------	------	------	------		------		------	------	176.1

JULY.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	56.75	55.98	25	29.4	SW	3	S	3	SW	SW	-------
2	58.60	58.40	25.8	28.5	SE	2	S	1	S	SE	-------
3	59.40	58.03	25	29.7	N	1	SE	3	E	W	-------
4	59.23	57.25	24.5	29	N	1	NW	1	E	NE	17.3
5	58.65	57.45	24.8	27.8	N	1	N	1	W	NW	-------
6	58.22	56.80	24.2	29.2	N	1	N	1	SW	N	-------
7	58.27	57.33	24.2	28.5	N	1	S	1	SbyW	SW	41.7
8	58.39	57.63	24.2	28.6	N	1	S	1	E	SW	-------
9	58.45	57.33	25	31	N	1	NW	3	S	SW	-------
10	58.80	58.15	25.4	30	N	1	S	1	S	SW	-------
11	58.75	56.98	25.6	30.4	N	1	NW	1	S	NW	45.2
12	58.80	57.30	23.5	25.2	SW	2	NW	1	SW	SW	67.3
13	56.44	56.02	24.2	27.2	W	3	SW	6	W	SW	-------
14	56.85	55.56	26	29	SW	6	SW	6	SW	SW	-------
15	57.59	56.35	27	28.6	SW	4	SW	6	SW	SW	-------
16	58.02	57.06	26.6	29	SW	4	SW	5	SW	SW	-------
17	58.07	57.18	26.8	28.7	N	1	SW	5	SW	SW	-------
18	57.65	56.25	26	29	N	1	SW	5	SW	SW	23.9
19	57.35	56.11	24.4	28.9	N	1	SW	5	SW	SW	40.1
20	57.45	56.64	24.8	29.1	N	1	S	2	W	SW	-------
21	56.95	56.20	25.4	28.4	N	1	SE	1	SW	SW	24.1
22	55.77	54.57	24.4	28.5	N	1	SW	3	N	SW	54.3
23	55.87	54.82	26	29.8	SW	2	S	1	SW	SW	26.4
24	56.42	55.48	26.6	29.5	SW	4	SW	3	SW	SW	-------
25	56.42	55.24	26.7	29.5	SW	2	SW	3	SW	SW	-------
26	56.70	55.38	25.4	29.5	SW	2	SW	2	SW	SW	-------
27	57.40	57.10	25.4	28.3	N	1	W	1	SW	SW	-------
28	57.94	57.74	24.2	25.6	N	1	N	1	W	SW	105.5
29	57.52	56.01	23.8	28	N	1	NW	1	NW	NW	23.6
30	57.06	57.20	25	27.4	N	1	S	2	SW	S	23.9
31	56.67	56.18	24	28	N	1	SW	4	SW	SW	-------
Mean	57.63	56.64	25.2	28.7		1.7		2.6	-------	-------	-------
Total	------	------	------	------	------		------		------	------	498.3

AUGUST.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	57.62	56.35	26	29	SW	3	SW	4	SW	SW	-------
2	58.11	56.65	27	28.2	SW	2	SW	3	SW	SW	-------
3	58.04	56.39	26.6	28.4	SW	2	SW	4	SW	SW	-------
4	57.81	56.44	24.6	29.2	N	1	SW	2	S	SW	-------
5	57.70	56.63	25	28.9	N	1	S	1	S	W	-------
6	57.80	56.65	25.5	29.1	N	1	S	2	E	S	-------
7	57.85	57	25.2	29.4	N	1	S	1	W	SW	-------
8	56.50	55.60	25.6	28.6	N	1	S	2	NW	SW	-------
9	55.92	54.85	26.6	28.4	SW	2	SW	4	SW	SW	-------
10	56	54.67	26.8	28.4	SW	4	SW	5	SW	SW	-------
11	56.62	55.53	26.4	29.2	SW	5	SW	4	SW	SW	-------
12	57.06	55.96	26.2	29	SW	3	SW	4	SW	SW	-------
13	57.33	55.98	24.5	29	N	1	SW	4	S	SW	-------
14	57.77	56.90	26.6	28.4	SW	3	SW	5	SW	SW	-------
15	59.67	58.35	24.5	29	N	1	SE	2	S	W	-------
16	59.38	58.50	24.4	28.7	N	1	S	1	SE	SW	-------
17	59.16	57.75	25.4	28.4	N	1	S	1	W	SW	-------
18	57.37	56.52	23.8	25.5	N	1	NW	2	SEbyS	SW	13.2
19	57.84	56.64	23.6	28	N	1	SW	3	W	SW	-------
20	57.67	56.39	25	28.2	N	1	SW	3	SW	SW	-------
21	57.77	56.39	25.3	28.6	N	1	SW	3	S	SW	37.6
22	57.22	56.10	23.8	28.4	N	1	S	1	SW	SW	31.5
23	56.67	55.33	24	28.3	N	1	SW	2	W	W	-------
24	55.75	54.45	25.4	28.8	W	2	W	3	W	W	-------
25	56.14	54.99	26.5	28.4	SW	4	SW	5	SW	SW	40.1
26	56.42	55.38	24.8	28.8	SW	4	SW	4	SW	SW	-------
27	57.81	56.38	25	28.5	SW	2	SW	3	SW	SW	-------
28	58.20	57.65	25.4	29.2	N	1	W	1	SW	N	-------
29	58.57	56.81	24.6	28.2	N	1	SW	3	SW	SW	-------
30	57.55	56.55	26	28.2	SW	2	SW	4	SW	SW	-------
31	58.02	56.90	26.6	28.2	SW	2	SW	4	E	SW	-------
Mean	57.53	56.34	25.4	28.5		1.8		2.9	-------	-------	-------
Total	------	------	------	------	------		------		------	------	122.4

MAASIN.

[$\phi = 10°\ 08'$ N; $\lambda = 124°\ 50'$ E; barometer above sea, 7.3 meters; gravity correction not applied, —1.85 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.37	57.86	26.2	28.6	N	1	SW	1	SW	SW	-------
2	59.62	57.40	25.8	29	N	1	SW	3	SW	SW	-------
3	58.57	56.85	26	29	N	1	SW	3	S	E	-------
4	58.83	57.68	24	30.6	N	1	S	2	E	NW	-------
5	58.56	57.73	24.8	28.2	N	1	SE	1	S	E	13.2
6	58.74	57.44	24.4	28.8	N	1	S	1	SW	SW	22.4
7	58.81	57.42	23	27.2	N	1	S	1	SW	SW	-------
8	58.25	56.60	24.5	28.5	N	1	S	1	SW	SW	-------
9	57.22	56.40	24	29.2	N	1	S	1	SW	SW	-------
10	57.89	57.67	24.2	26.2	N	1	N	1	SbyW	E	49.3
11	58.94	57.91	23.3	28.7	N	1	S	1	S	N	15.2
12	58.92	57.31	24	27.9	N	1	S	2	SW	SW	8.1
13	58.27	56.65	24.6	28.1	N	1	S	1	S	SW	42.2
14	57.17	56.59	23.8	25.5	N	1	SW	1	S	SW	57.5
15	56.87	55.42	25.4	26.9	N	1	SW	2	SW	SW	13
16	56.93	56.25	26	27	SW	3	SW	3	SW	SW	27.9
17	58.22	56.48	25	28.5	N	1	SW	4	SW	SW	-------
18	57.49	56.26	27	28.6	SW	2	SW	4	SW	SW	22.4
19	57.82	56.89	24.4	28.5	N	1	SW	3	SW	SW	-------
20	58.92	57.79	24.8	28.4	N	1	E	1	SW	E	16.8
21	59.29	56.55	24.6	27.8	N	1	S	1	SW	N	43.2
22	57.39	55.87	24	28.2	N	1	S	1	SW	SW	-------
23	57.54	56.40	24	28	N	1	S	1	SW	SW	15.2
24	58.64	56.79	24	30	N	1	SE	1	E	SW	20.1
25	57.79	55.80	23.8	30	N	1	NW	3	NW	SW	-------
26	54.74?	54.21	24.6	28.5	N	1	SW	6	SbyW	SW	-------
27	56.52	55.01	26.6	29.7	SW	3	SW	4	SW	SW	-------
28	57.52	56.60	26.8	29.1	SW	3	SW	3	SW	S	-------
29	58.90	57.48	25.4	29.2	N	1	SE	2	SW	SW	-------
30	58.77	57.53	24.4	30	N	1	SE	1	SW	SW	-------
31	------	------	------	------	------		------		------	------	------
Mean	58.08	56.76	24.8	28.5	1.2		2		------	------	------
Total	------	------	------	------	------		------		------	------	366.5

OCTOBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58.35	57.68	25	29.6	N	1	S	1	SW	SW	-------
2	59.90	58.55	24.8	29.2	N	1	S	1	S	SW	-------
3	59.84	58.03	23.6	29.8	N	1	W	1	E	E	-------
4	59.41	57.10	24.2	29.4	N	1	S	1	SbyW	E	-------
5	59.18	58	24.4	29.1	N	1	S	1	SE	SW	-------
6	59.07	58.28	24.6	29.8	N	1	SE	1	W	SW	-------
7	59.67	58.58	24.3	29.4	N	1	S	1	S	SW	-------
8	59.97	58.42	25.5	29.4	N	1	S	1	SE	NW	-------
9	60.60	58.40	24.7	29.7	N	1	W	2	S	N	-------
10	59.37	58	24.2	29	N	1	NW	2	W	NW	-------
11	58.77	57.70	24.2	26.2	N	1	W	1	NE	W	22.6
12	58.57	57.48	24	28.2	N	1	W	1	S	NW	5.3
13	58.85	57.18	24.1	30.2	N	1	W	1	SW	W	-------
14	58.91	58.20	25	25.4	N	1	N	1	NW	NW	40.7
15	59.14	57.38	24.2	28.8	N	1	W	1	SE	NE	-------
16	59.74	57.88	24.1	29.4	N	1	S	1	SEbyS	NE	-------
17	60.04	58.10	24.3	27.5	N	1	Calm		NE	NE	65.8
18	59.84	59.25	23.8	26.6	N	1	N	1	E	E	8.1
19	58.97	57.23	22.8	28.5	N	1	E	2	S	E	56.9
20	58.77	56.98	23.5	28.8	N	1	W	1	E	NW	30.3
21	59.23	58.73	23.6	28.4	N	1	SW	2	NE	N	-------
22	60.65	59.61	24	29.4	N	1	S	1	S	SW	-------
23	61.16	59.70	23	29.8	N	1	S	1	SW	E	-------
24	61.36	59.65	23	29.5	N	1	S	1	S	E	-------
25	61.15	59.71	23.3	29.1	N	1	S	1	SW	NE	-------
26	60.85	59.50	23	29.6	N	1	SW	1	S	SW	-------
27	61.35	59.65	24.2	29.1	N	1	Calm		E	SW	-------
28	61.15	60.23	23	30	N	1	SW	2	S	SW	-------
29	61.09	59.71	24	29	N	1	N	2	S	S	5.1
30	60.65	59.62	23.2	29.2	N	1	SW	2	S	SW	-------
31	60.02	58.14	24.6	28.8	N	1	S	1	NE	NE	-------
Mean	59.86	58.47	24	28.9	1		1.2		------	------	------
Total	------	------	------	------	------		------		------	------	234.8

NOVEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.49	57.70	23.4	29.1	N	1	S	1	W	NE	-------
2	59.33	57.85	24.2	29.5	N	1	NW	2	E	E	-------
3	59.57	58.40	23.7	26.4	N	1	N	1	SW	NE	-------
4	59.14	57.20	23.4	29.6	N	1	NW	2	E	W	-------
5	57.70	56.18	25	28.6	N	1	NW	5	NW	S	-------
6	57.20	56.30	24.2	29.4	N	1	NE	2	N	SW	-------
7	57.80	57.04	24	28.7	N	1	S	1	S	W	-------
8	60.55	59.71	24.2	30	N	1	S	1	NW	SW	-------
9	62.20	61.02	23	29.1	N	1	S	1	E	E	-------
10	62.30	60.87	24	28.4	N	1	S	1	E	E	-------
11	61.67	60.45	25	29.6	NE	2	W	1	E	E	-------
12	61.50	59.48	21.2	29.4	N	1	S	1	E	SW	-------
13	60.75	59.55	22.7	27.4	N	1	NE	2	S	NE	26.6
14	59.46	58.53	25.4	28.4	N	1	NW	1	SW	NE	12.7
15	59.17	57.74	24.2	30	N	1	NE	4	NE	NE	-------
16	59.25	57.24	24.5	30.2	N	1	E	4	E	E	20.8
17	59.02	57.45	24.5	27	N	1	S	1	NE	E	28.2
18	58.79	58.08	23.8	26.8	N	1	E	1	E	NE	9.7
19	59.42	57.48	23.2	28.8	N	1	S	1	E	NE	-------
20	59.17	56.45	24	29.8	N	1	NE	2	NE	E	3
21	57.94	56.05	23.8	30	N	1	E	2	E	NE	-------
22	58.09	56.48	23.8	28.6	N	1	E	1	NE	N	-------
23	58.12	56.95	24	28.6	N	1	S	1	NE	NE	-------
24	58.52	57.51	23.6	29	N	1	W	1	NE	E	-------
25	59.47	58.24	24.3	29.6	N	1	W	1	E	E	-------
26	60.09	58.45	23.7	30	N	1	E	4	E	E	7.6
27	60.50	58.78	22.5	28.8	N	1	S	1	E	E	-------
28	59.89	58.98	23.4	28.6	N	1	SW	2	E	E	-------
29	60.20	58.53	23.8	30	N	1	S	1	E	E	-------
30	59.73	57.65	24.7	29.6	N	1	E	3	E	E	-------
31	------	------	------	------	------		------		------	------	------
Mean	59.53	58.08	23.8	29	1		1.7		------	------	------
Total	------	------	------	------	------		------		------	------	108.6

DECEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.93	58.63	21.5	30.5	N	1	E	2	E	E	-------
2	59.34	57.95	22.5	28	N	1	S	1	N	E	-------
3	58.97	57.74	24	26	N	1	W	1	E	NE	73.4
4	59.82	57.23	23	28.4	N	1	S	1	NE	NE	27.4
5	59.07	57.85	23	26.2	N	1	S	1	E	E	23.4
6	57.94	56.02	23.8	26.8	N	1	SW	1	NE	NE	23.4
7	57.92	56.60	23.5	27.7	N	1	NW	3	E	NW	-------
8	58.57	57.60	23	27.5	N	1	S	1	SW	SW	-------
9	58.32	57.30	23.5	28.4	N	1	SE	1	SbyW	SW	-------
10	58.37	56.43	23.8	29	N	1	SE	1	SW	SW	-------
11	58.27	56.65	24.7	27.6	N	1	E	1	E	E	-------
12	59.04	57.98	23.6	29.4	N	1	NE	3	SbyW	SW	-------
13	59.78	58.21	23	27.7	N	1	S	1	SE	E	45
14	59.67	58.04	23	28.5	N	1	S	1	NE	SWbyW	-------
15	59.52	58.28	23.6	29.5	N	1	E	4	E	W	8.1
16	60.13	59.27	25	29.8	N	1	E	4	SE	E	20.6
17	60.72	59.48	24	29.8	N	1	E	3	E	E	37.1
18	61.95	60.60	23.6	27.2	N	1	E	2	E	E	19.6
19	61.35	59.60	22	29.4	N	1	E	5	SW	W	-------
20	60.97	60.48	22.5	30	N	1	E	1	S	E	-------
21	62.17	61.13	22.6	29.6	N	1	E	3	E	E	-------
22	62.10	60.45	24.1	29.4	N	1	E	2	E	E	-------
23	61.62	61.10	24	29.8	N	1	E	3	E	W	-------
24	61.95	60.69	25	29	N	1	E	2	SW	W	-------
25	60.52	59.36	24.4	28.9	N	1	E	1	S	E	-------
26	60.17	58.57	23.6	27.3	N	1	N	2	E	E	-------
27	59.79	58.31	24	29	N	1	E	1	E	SW	-------
28	60.19	58.74	23	28.4	N	1	E	1	E	E	7.9
29	59.98	58.27	22.6	27	N	1	E	1	E	E	10.2
30	59.33	57.87	22.8	27.2	N	1	SE	1	E	NE	22.4
31	59.47	57.38	23.2	29.4	N	1	E	2	E	E	-------
Mean	59.90	58.51	23.4	28.5	1		1.8		------	------	------
Total	------	------	------	------	------		------		------	------	318.5

SAN JOSE BUENAVISTA.

[$\phi = 10°\ 44'$ N; $\lambda = 121°\ 55'$ E; barometer above sea, 6.40 meters; gravity correction not applied, −1.84 mm.]

MARCH.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	60.11	59.83	21.9	29	NE	1	N	2			
2	60.02	59.17	21.6	30.6	NE	1	W	1			
3	59.47	58.86	21	30.7	NE	1	W	1			
4	59.73	58.51	21	30.5	NE	1	WNW	1			
5	59.94	59.40	20.5	31.6	NE	1	NW	1			
6	59.93	58.97	19.6	30.9	NNE	1	NNW	1			
7	59.18	58.56	19.2	32	NE	1	W	1			
8	59.32	58.41	19.6	30.5	NE	1	NNW	1			
9	59.10	59.01	19.5	31.4	NNE	1	NW	1			
10	58.61	57.47	21.1	30	NE	1	WNW	2			
11	58.11	57.72	22.1	29.5	Calm		N	1			1.5
12	58.98	58.95	23.5	31	Calm		N	1			
13	60.01	58.69	22	32.6	NNE	0	N	1			
14	59.07	58.14	21.1	31.8	N	1	NE	2			
15	58.04	57.43	21.5	32.1	NE	1	W	2			
16	58.71	58.14	21.6	32.1	NNE	1	N	2			
17	58.50	58.21	22.9	31.6	NE	1	NW	1	E		
18	59.29	58.56	23.6	32	NE	1	NW	2		NW	.5
19	59.76	58.77	23.6	31.6	NW	2	W	2	N		.3
20	59.91	59.05	22	32.6	ENE	1	W	2			
21	59.83	59.25	22	32.6	NW	1	W	2			
22	60.88	59.08	22.4	30.2	NE	1	NW	1			8.1
23	60.11	59.91	23.4	32	NW	1	SW	1		ENE	
24	60.03	59.17	23	30.7	NNW	1	N	2		NE	
25	59.91	58.86	21.5	32.1	NW	1	NW	1			
26	60.45	59.46	22.5	32.5	Calm		WSW	1			
27	60.38	60.07	22.5	33	NE	1	NW	1			
28	60.41	59.25	21.5	31.8	Calm		NW	1		E	.3
29	59.36	59.10	24.1	33	Calm		NW	2		ENE	
30	59.64	58.50	26.5	33.4	NNW	1	WSW	2			
31	58.50	57.55	23	33	Calm		WSW	1			
Mean	59.53	58.78	22	31.6	0.8		1.4				
Total											10.7

APRIL.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	57.72	56.32	23.5	30.7	Calm		NW	2		N	
2	57.30	56.95	22.5	32.5	Calm		N	2		E	
3	58.76	57.66	23.6	30.9	Calm		WSW	1	E	SE	0.8
4	58.07	57.45	23.4	32.1	Calm		NW	2			
5	57.79	57.08	22.5	31.7	SE	0	SW	1			1
6	58.04	57.05	23.5	31.9	Calm		NW	2		E	
7	57.42	56.33	22.5	32	Calm		N	2			.3
8	57.30	56.02	24.6	30	Calm		NNW	2	NE	E	
9	57	55.74	24	32.5	SE	0	SW	2		SE	3.6
10	57.79	55.93	24	32.6	NE	0	WNW	1	NE		6.1
11	57.69	55.74	24.5	32.1	Calm		SW	1		N	
12	57.69	56.69	24.6	31.5	SE	0	W	1	SE		8.4
13	58.02	57.67	23.5	33.6	NW	1	SW	1			
14	57.40	56.86	22.4	32.6	Calm		SW	1			
15	57.30	56.72	24.4	32.1	E	1	W	1			
16	58.36	57.53	23.4	32.6	E	1	SW	1			
17	58.85	57.63	24	32	NE	1	SSW	1			
18	58.85	57.57	24.6	32.4	Calm		SW	1		NW	
19	58.96	58.97	24.5	32.1	E	1	NW	2		NNW	
20	60.45	59.02	24.1	29.5	E	0	Calm			SE	3.6
21	59.94	59.41	24.8	27.5	SE	0	NW	1	ESE		1.8
22	59.06	57.50	23.5	30.9	Calm		N	1		NE	.3
23	56.64	57.14	22.9	26.1	E	1	W	1		NW	4.8
24	58.42	57.41	23.1	30.5	SE	1	S	2	SW		24.9
25	59.79	58.96	24.2	30.1	E	1	SW	2	SW	SW	
26	60.70	59.32	24.1	26.5	ENE	1	S	2	SW		3.9
27	59.60	58.19	24	30.6	NE	1	SSW	2	SW		
28	58.55	57.90	24.1	31.5	ENE	1	SW	1	SW		.8
29	58.70	57.79	23.6	32.5	NE	1	W	1			
30	58.70	58.40	24.5	31.4	NE	1	NW	2		NW	1.3
31											
Mean	58.36	57.43	23.8	31.2	0.4		1.4				
Total											61.6

MAY.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.02	58.65	24	26.5	NE	1	E	1			4.1
2	58.92	57.23	23.5	30.9	NE	1	NW	2			5.1
3	57.92	57.12	23.5	29.6	Calm		W	1		W	1.3
4	58.47	58.03	23.8	31.1	E	0	S	2			
5	60.16	58.91	24.5	29.1	E	0	SW	2			
6	60.19	58.56	23.6	30.5	NE	1	S	1			
7	59.80	58.86	24.1	30.4	NE	1	SSW	1			
8	59.09	57.59	23	33.1	NE	1	WSW	1			
9	59.42	58.47	23.9	28.1	NE	1	NE	1			
10	59.50	58.17	23.5	32	NE	1	W	1			
11	58.67	57.49	23.9	30.6	NE	1	NW	1			
12	58.30	57.02	24	33	NE	1	SW	1		SW	
13	58.35	57.27	24.5	31.5	NE	1	WSW	1			1.8
14	57.41	58.07	24	25.1	NE	1	SW	1			4.3
15	57.90	57.45	24.1	29.5	NE	1	E	2			55.9
16	58.57	57.29	23.6	31.1	NE	1	SW	1		NE	74.2
17	57.90	56.64	23	31.7	NE	1	NW	1		N	18
18	57.61	56.35	24	29.1	NE	1	E	1			
19	57.51	56.14	23.9	31.4	NE	0	SW	2			
20	57.38	56.69	24.5	31.4	NE	1	S	2			
21	58.15	56.95	24.1	31.1	E	1	SW	1		S	
22	57.15	56.61	24.1	29.8	NE	0	Calm				1.3
23	57.20	55.90	24.5	31.6	E	1	SW	1			
24	56.56	55.49	24	33.5	NE	1	SSE	3		NE	24.6
25	58.09	57.39	25	29.5	S	2	WSW	1	SW		.5
26	58.11	57.74	24.1	28.9	E	0	Calm				.3
27	58.76	57.54	24.1	30	NE	1	Calm				
28	58.35	56.61	24.1	31.5	E	1	S	2		SE	3
29	57.70	56.63	24.6	31.4	Calm		SW	1		W	.3
30	57.43	57.09	24.5	30.9	E	1	SW	1		NE	
31	57.85	57.44	24.1	31.5	E	1	S	1			2.8
Mean	58.30	57.34	24	30.5	0.8		1.2				
Total											197.5

JUNE.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58.15	57.34	24	31.6	ENE	0	S	2			24.1
2	59.50	58.70	24	29	Calm		S	1		SE	.5
3	59.39	59.48	24.5	25.1	ENE	1	Calm			NW	57.2
4	59.17	58.77	23.6	24.6	ENE	0	W	1			13.2
5	58.70	56.90	23.5	31.3	E	0	W	1			
6	57.80	56.96	24.4	28.4	E	1	Calm				2.3
7	57.84	56.38	24.5	31.9	ENE	0	SSW	2		SSW	20.1
8	57.71	57.32	24	24.6	Calm		SE	1			42.7
9	58.30	57.79	24.4	30.5	E	1	SSW	2	SSE		.3
10	59.50	58.78	24.1	27.4	E	0	E	2	E	NW	
11	58.87	58.01	23.8	28	NE	0	Calm				8.7
12	58.24	57.83	24.6	25.6	NE	0	E	1	W		35.3
13	58.39	58.58	25.1	25.5	SSE	3	Calm		S		36
14	60.16	59.56	24	30.2	ENE	0	SW	1	SW		.8
15	60.59	59.18	24.1	30.6	E	1	S	0		W	52.6
16	59.80	58.89	24	26.8	NE	0	Calm			W	46
17	57.45	56.75	26.1	29.7	NW	1	W	1	WNW	WNW	45.7
18	57.57	56.56	23.6	28.1	SW	3	S	2		SSW	9.9
19	57.46	58.03	23.6	25	E	1	E	1		SW	24.7
20	58.17	57.40	23.5	28.5	Calm		S	0	SSW		5.8
21	59.62	58.55	23.5	30.7	NE	1	S	2			
22	60.80	59.90	23	31	NE	1	SW	1			
23	60.97	59.65	23.5	31.4	ENE	1	NW	1		NW	11.4
24	59.67	58.22	23.5	29.9	ENE	1	W	1			.5
25	57.94	57.29	23.4	29	ENE	1	W	1			42.9
26	58.87	57.61	23.1	29.5	E	1	S	1			9.2
27	58.52	57.75	23.5	29	Calm		S	1		SSW	23.4
28	58.89	57.60	23.5	28.7	E	1	S	1			.3
29	58.11	56.91	23.8	29.1	NE	0	WSW	1			23.6
30	56.56	55.95	23.6	25.6	NE	1	SW	1	W	W	72.1
31											
Mean	58.76	57.95	23.9	28.5	0.7		1				
Total											609.3

NOTE.—This station was temporarily closed from Dec. 21, 1910, to Feb. 11, 1911. Beginning with the afternoon of Apr. 2, the height of the barometer above sea level is 6.4 meters.

SAN JOSE BUENAVISTA.

[$\phi = 10°\ 44'$ N; $\lambda = 121°\ 55'$ E; barometer above sea, 6.40 meters; gravity correction not applied, —1.84 mm.]

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	56.36	55.80	23.5	24.9	E	1	SW	2	W	W	29.7
2	57.25	58.78	26.5	24.4	SSE	5	E	1	SW	-------	54.6
3	59.12	58.10	23.4	31	E	1	S	1	-------	-------	-------
4	59.42	57.62	23.1	29.8	NE	1	W	0	-------	-------	1.3
5	59.56	57.81	23.5	28.5	ENE	1	WNW	0	-------	-------	.8
6	58.27	56.96	23.1	28.1	NE	1	SSE	1	-------	NE	1.5
7	58.12	57.59	23.4	28.9	NE	1	S	2	-------	-------	8.4
8	58.47	57.75	23.6	29.4	Calm		S	3	-------	-------	1.3
9	58.81	58.55	23.5	30.5	NE	1	S	1	-------	-------	3.8
10	58.82	58.81	23.8	30.6	NE	1	S	1	-------	-------	-------
11	59.24	58.06	24.1	30.6	NE	0	S	2	-------	W	81.5
12	59.67	59	22.6	25.5	Calm		SW	1	-------	-------	25.6
13	57.62	57.90	26.1?	26.6	W	1	WNW	3	W	WNW	31.3
14	56.74	57.10	27?	23.9	SW	2	WSW	3	WSW	W	36.4
15	56.48	56.76	27.6	29.9	SW	5	SW	4	SW	WSW	-------
16	57.52	56.63	28?	28.1	SW	4	S	3	SW	W	.5
17	57.73	57.51	27.5	29.7	SSW	2	S	3	-------	SW	33
18	58.22	56.67	23.1	28.4	E	0	Calm		W	W	46.8
19	57.50	57.04	22.5	26.5	NE	1	Calm		-------	-------	5.8
20	57.52	57.30	23.4	29	Calm		S	1	WSW	WSW	70.4
21	57.02	56.28	23.5	27.9	Calm		Calm		WSW	WSW	13.7
22	55.87	55.05	27.1?	29.5	S	2	S	2	SW	-------	23.9
23	55.77	55.05	23.5	28.4	Calm		S	4	W	S	57.1
24	56.79	55.77	23	28.1	SE	1	S	3	-------	S	43.4
25	56.22	55.28	26.5?	28	S	2	S	3	SW	-------	9.9
26	56.44	55.79	24.6	29.6	Calm		S	2	SW	SW	9.4
27	57.76	57.32	23.9	30.5	Calm		S	1	-------	-------	1.5
28	57.81	58.37	24	25.4	Calm		NE	0	-------	-------	8.6
29	57.57	57.42	23.1	25.6	NE	1	Calm		-------	-------	92.2
30	57.82	57.09	23	26.5	ESE	1	Calm		-------	-------	13.7
31	57.01	56.79	23.5	26	E	0	S	2	-------	SW	30.5
Mean	57.69	57.16	24.4	28.1		1.1		1.6	-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	736.6

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	56.90	56.78	26.4?	27	S	3	S	2	SSW	S	24.1
2	57.60	57.01	26.5	29	S	2	S	2	SW	SW	7.4
3	57.59	57.19	26.7	28.7	S	3	S	2	SW	SW	.3
4	57.80	57.01	24.5	29.6	Calm		S	2	S	-------	-------
5	57.45	57.26	26.1	30.1	S	1	S	2	SSW	-------	-------
6	57.96	57.46	23.9	31.4	E	1	SW	1	-------	-------	-------
7	58.31	57.77	24	29.9	NE	0	WSW	1	W	WNW	-------
8	57.27	56.49	23.5	29.5	NE	0	NW	1	NW	-------	5.6
9	56.79	55.76	24.6	31.1	Calm		SW	1	W	SW	5.1
10	55.43	55.42	26.6	24	W	1	WSW	1	NW	W	67.8
11	56.81	56.27	21.6	26.5	E	1	SSE	1	-------	W	50.8
12	57.10	56.98	24.5	24.1	Calm		N	1	W	-------	110
13	57.75	56.33	23.1?	28	S	1	SSW	2	-------	SW	48.7
14	57.20	57.64	26.6?	27.1	S	3	S	3	SSW	SSW	15.8
15	60.17	58.71	23	28.6	E	1	S	1	-------	-------	1.5
16	59.87	58.99	23.1	30.5	E	1	S	1	-------	-------	-------
17	59.65	58.15	22.7	30.6	ENE	1	S	1	-------	W	12.2
18	57.79	57.01	22.5	26.5	N	0	Calm		-------	-------	2.8
19	57.92	57.27	22.5	26.9	Calm		Calm		W	-------	1
20	58.22	57.42	23.5	27.9	ESE	1	NW	3	W	-------	19
21	57.93	58.04	22.4?	22.6	E	1	ENE	1	-------	-------	28.4
22	57.89	56.66	23	28.2	Calm		WNW	1	W	-------	40.1
23	57.37	56.90	23	25.5	W	0	N	2	-------	-------	36.9
24	56.93	56.08	24.6	27	W	2	NW	2	W	-------	6.9
25	56.01	55.27	26.6	30.1	SW	2	SW	2	SW	SW	10.7
26	55.64	55.64	25.6	27.5	WSW	1	SSW	3	W	SW	13
27	56.92	57.14	26	26.9	SSE	2	S	3	SW	SW	1.8
28	58.72	58.72	23.6	29.1	Calm		SSW	1	S	-------	-------
29	58.82	57.87	23.6	31	E	1	SW	1	-------	W	-------
30	57.69	57.36	23.1	30.6	ENE	1	SW	1	W	W	1
31	57.77	57.43	26.6	30.6	S	1	SW	1	W	SW	10.7
Mean	57.65	57.10	24.3	28.3		1		1.5	-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	521.6

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	59.15	58.50	26.4?	30.5	S	2	S	2	S	SSW	2.5
2	59.76	58.27	23.4	30.5	ENE	1	SSW	1	-------	-------	2.8
3	58.67	57.95	23.2	29.4	ENE	1	Calm		-------	-------	2.1
4	59.29	58.22	23	30.4	NE	1	SW	1	-------	-------	-------
5	58.94	58.20	23.6	31.4	ENE	1	W	1	-------	-------	.5
6	58.66	57.96	23.5	31.4	NE	1	W	1	-------	NW	3
7	58.79	57.71	23.6	28.6	Calm		NW	1	-------	NW	14.2
8	58.46	56.61	23.4	28.6	Calm		SW	1	-------	NW	.5
9	57	56.26	22.5	30.7	E	0	NW	1	-------	SSW	2.3
10	57.72	57.77	23.4	25.1	NE	1	E	1	-------	W	8.9
11	58.84	58.24	23	30	Calm		S	1	-------	-------	8.4
12	58.74	57.46	23	28.9	ENE	1	S	1	-------	-------	6.1
13	58.07	56.61	23.1	26.1	Calm		SW	2	-------	-------	11.7
14	57.26	56.36	22.5	31.2	NE	1	S	1	-------	W	1.8
15	57.32	55.97	23.4	28.8	NE	0	Calm		-------	W	10.2
16	56.53	56.04	25.4?	29.6	SW	1	WSW	3	W	W	16
17	57.64	56.20	27.1	28.4	S	2	S	4	SW	SW	38.6
18	57.35	56.61	24	26.6	S	2	S	2	-------	SW	15.3
19	57.60	56.72	25	28.6	SSE	3	S	2	SW	S	5.9
20	58.25	58.02	24.1	30.4	Calm		S	1	SW	NE	-------
21	59.18	56.76	24.5?	30.5	Calm		SSW	1	-------	-------	11.2
22	57.21	55.99	24	30	Calm		SSW	2	-------	-------	12
23	57.51	56.74	23.5	30.4	NW	1	SSW	1	-------	-------	21.8
24	58.47	57.35	23.6	28.5	E	0	W	1	-------	-------	1.8
25	58.04	56.69	23	30.4	NW	1	NW	2	-------	NNW	5.6
26	56.35	55.39	24.5	27	NW	1	W	2	NW	W	29.2
27	55.72	54.95	27	29.8	WSW	2	SSW	3	SW	SW	2.8
28	56.71	57.05	26	24.5	S	3	SSE	0	SW	-------	65
29	58.57	57.35	23	31	Calm		S	2	-------	SW	-------
30	58.50	57.91	24.4	30.3	E	0	SW	2	SW	SW	-------
31	-------	-------	-------	-------	-------		-------		-------	-------	-------
Mean	58.03	57.06	24	29.3		0.9		1.4	-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	300.2

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	59.22	57.69	23.5	31.5	ENE	1	S	1	-------	-------	-------
2	60	59.04	22.5	29.9	E	1	WSW	1	-------	-------	-------
3	59.75	58.76	22.5	31	Calm		SW	1	-------	W	-------
4	58.91	57.57	23.5	30.3	Calm		WSW	1	-------	NE	1.3
5	59.06	58.14	23.5	30	Calm		Calm		-------	SW	-------
6	59.14	58.19	23	29.5	ENE	1	Calm		-------	-------	51.3
7	59.53	58.79	22.4	30.6	NE	0	WSW	1	-------	W	12.7
8	60.05	59.20	22.9	26	NE	1	Calm		NE	-------	8.4
9	60.22	58.81	23.6	29.2	ENE	1	WSW	1	-------	WSW	2.8
10	59.57	58.64	23	29.1	ENE	0	Calm		-------	-------	-------
11	59.98	57.55	22.5	30.5	ENE	0	W	1	-------	-------	-------
12	58.89	57.41	23	31.5	NW	1	SW	1	-------	SSW	1.3
13	58.94	56.94	23	30.6	ENE	0	W	1	-------	WSW	10.9
14	58.61	58.19	23.9	26.6	NW	1	SSE	1	-------	-------	.3
15	59.11	57.96	22.5	30.3	ENE	1	NW	1	-------	-------	1.5
16	59.49	57.52	23	30.2	NW	1	NW	1	-------	-------	4.8
17	60.09	58.06	23	30	ENE	0	NW	0	-------	-------	.5
18	59.69	58.84	23	29.6	NE	1	Calm		-------	-------	-------
19	58.42	57.59	23.6	26.9	Calm		Calm		-------	-------	10.2
20	58.15	57.21	25	30.6	NE	1	W	1	-------	-------	-------
21	58.96	58.46	21.5	31.5	Calm		SSW	1	-------	-------	-------
22	60.61	59.92	21.5	30	Calm		W	1	-------	-------	-------
23	61.13	59.90	21.6	30.4	ENE	1	W	1	-------	-------	-------
24	61.32	59.90	21.5	30.6	ENE	1	NW	1	-------	-------	-------
25	61.37	59.89	21.6	30.1	NE	1	NW	1	-------	-------	-------
26	61.25	59.87	22.1	31.2	NW	1	Calm		-------	-------	-------
27	61.37	59.61	21.5	31.4	NE	0	NW	1	-------	-------	-------
28	61.69	60.32	20.5	31	NE	1	SSW	1	-------	-------	-------
29	61.46	60.36	21.6	31.5	Calm		W	1	-------	-------	-------
30	60.89	59.76	23	30.6	NE	0	W	1	-------	NW	3
31	60.35	58.36	22.4	31.4	NW	1	NNW	2	-------	NNW	-------
Mean	59.91	58.66	22.6	30.1		0.5		0.8	-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	109

SAN JOSE BUENAVISTA.

[ϕ=10° 44′ N; λ=121° 55′ E; barometer above sea, 6.40 meters; gravity correction not applied, —1.84 mm.]

Day.	NOVEMBER.									DECEMBER.								
	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*	*mm.*	*mm.*	°*C.*	°*C.*					*mm.*
1	59.74	58.04	23	30.5	Calm	NE 1		NE		59.27	58.31	22.9	32.1	NW 0	WSW 1		E	
2	59.93	58.39	22.5	32.5	Calm	S 1	N			59.12	58.02	21.5	31.3	NE 1	W 1			
3	59.84	58.44	23.1	29.1	Calm	N 1				59.32	57.94	21.5	31.5	Calm	NNW 1		NE	
4	59.31	57.54	21.9	31.1	Calm	NW 1	NE			59.04	57.46	23	32.1	Calm	NW 1	E		
5	58.19	57.07	20.5	29.5	NE 0	N 2				58.93	57.11	21.9	31	NW 1	NNW 2			
6	57.52	57.04	21.6	30.5	ENE 1	W 1	W			59.18	56.74	21.1	30.5	E 0	Calm			
7	58.43	57.52	22.6	30.9	NE 1	NNW 1	NW	NW		57.43	56.75	22	29.5	ENE 0	N 2			
8	60.80	59.90	22.5	31	N 1	Calm				58.06	57.82	21.4	32.1	Calm	SW 1			
9	62.28	60.89	22.5	31.6	NNW 1	NW 1				58.39	57.41	21.1	31.7	NW 1	S 1			
10	61.94	60.51	22	31.6	NNW 0	NW 1				58.37	56.57	21.4	30.5	ENE 1	W 1			
11	61.24	60.02	20.9	31.3	Calm	SW 1				58.04	56.24	23.4	30.7	Calm	WNW 1			
12	60.70	59.15	20	30.6	NE 0	W 1				58.39	57.56	23.5	31.5	NE 1	NW 1		E	
13	60.39	58.71	20.5	32.3	Calm	W 1		E	1.3	59.22	57.50	21.1	32.5	Calm	WSW 1			
14	59.56	57.99	23.8	32.2	Calm	NW 1	E	NE	.3	59.19	58.17	22.7	31.2	Calm	WNW 1		E	
15	58.91	57.66	21.9	30.6	Calm	WSW 1		E		59.09	57.84	23.5	29.6	Calm	W 1	E	E	
16	58.47	57.25	23	30.5	Calm	NW 1		E	.5	59.44	59	24.5	33	Calm	S 1		E	
17	58.47	56.82	22.9	33	Calm	E 2		E		60.32	58.89	21	30.5	Calm	NW 1		E	
18	58.42	57.02?	22.9	32.6	Calm	W 1				60.90	60.05	22.6	33.1	Calm	SW 1			
19	58.55	57.15	22.2	31.5	Calm	NW 1				60.62	59.21	20.5	32.5	Calm	NW 1			
20	58.29	56.31	22.5	31.5	Calm	NW 1		E		60.76	60.14	24	31.4	NNE 0	WSW 1	NE		
21	57.50	55.84	22	32.1	Calm	WSW 1		E		61.57	60.64	19.5	32	Calm	W 1			
22	57.70	56.18	22.5	32.5	Calm	W 1				61.77	60	19	31.6	Calm	W 1			
23	57.86	56.91	22.1	31.1	NW 1	WNW 1				60.99	59.81	22.6	32.1	Calm	E 2	E		
24	58.51	57.31	23.6	32.1	E 1	W 1				62.03	59.77	19.8	33.5	Calm	NE 3			
25	59.16	57.73	22.1	32.5	NE 0	W 1		E		60.97	58.99	23.6	29.5	NE 1	N 2			
26	59.58	58.27	22.5	30.2	Calm	NW 1		E		59.91	57.84	24	29.5	Calm	NW 1			
27	60.71	59.09	22.6	30.1	Calm	NW 1	E	E		59.26	57.90	23.5	31.8	Calm	NE 3			
28	60.05	59.05	22	32.1	Calm	NW 1		E		59.44	57.96	24	31.7	Calm	NW 1		E	
29	60.50	58.87	22	27.1	Calm	SSE 2		NE		59.44	57.97	20.5	31.1	NE 1	W 1			
30	59.98	58.66	22.4	28.9	ENE 1	NNW 1		E		58.45	57.37	22.1	30	Calm	NW 1			
31										58.76	57.41	23.6	30.5	Calm	Calm			
Mean	59.42	58.04	22.2	31.1	0.2	1.1				59.54	58.21	22.2	31.3	0.2	1.2			
Total									2.1									

CUYO.

[$\phi = 10°\ 51'$ N; $\lambda = 121°\ 01'$ E; barometer above sea, 4 meters; gravity correction not applied, —1.83 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.99	59.18	25.5	27.9	N	2	NE	2	NE	ENE	-------
2	59.63	58.74	25.4	26.9	NE	2	N	1	E	NE	-------
3	60.29	59.68	24.9	27	NE	1	NE	2	E	E	-------
4	60.58	59.76	25.4	28.4	NNE	2	NNE	2	NE	NE	-------
5	60.82	59.59	26	29.4	N	1	NNE	2	NE	E	-------
6	60.12	59.13	26.2	29.3	N	2	N	3	NE	NE	-------
7	60.03	58.57	26.6	29.2	N	2	N	2	NE	NE	-------
8	60.15	58.88	26	25.9	N	2	NE	3	NNE	NE	-------
9	58.49	57.53	25.5	28.1	NNE	3	NE	2	NE	NE	-------
10	57.18	56.57	25.6	29.4	N	1	N	2	NE	NE	-------
11	57.20	56.61	26	29.3	N	2	N	2	NE	NE	-------
12	57.82	57.33	25.4	29.2	N	1	NE	1	NE	E	-------
13	58.87	58.71	25.5	28.9	NNW	2	NNE	2	N	NE	-------
14	59.55	58.72	26	29.4	N	2	N	2	NE	NE	-------
15	59.10	57.77	25.6	29.4	N	1	N	2	NNE	NE	-------
16	58.28	58.01	25.6	29.3	N	2	NNE	2	NE	NE	-------
17	58.93	57.90	25.4	29.4	N	2	NE	2	NE	NE	-------
18	59.86	58.46	25.6	29.2	NNE	2	NNE	2	NE	NE	-------
19	58.99	58.20	26	29.9	NNE	2	NE	2	NE	NE	-------
20	59.10	58.75	25.7	29	NNE	3	NE	3	NE	NE	-------
21	59.17	58.13	25.6	29	NE	2	NE	3	ENE	E	-------
22	59.14	57.65	26.1	29.1	NNE	3	NNE	2	NE	N	-------
23	57.97	56.56	25.6	29	NNE	3	NE	3	NE	E	-------
24	57.78	56.00	25.6	29.4	NE	3	NE	3	NE	ENE	-------
25	57.79	56.57	25.5	29.4	NNE	2	NNE	2	NE	NE	-------
26	56.95	56.57	25.5	29.2	ENE	1	N	1	NE	E	-------
27	57.20	56.25	25	29.8	ENE	1	NE	2	ENE	NE	-------
28	56.43	56.25	25.6	29.9	N	1	N	2	N	NNE	-------
29	57.17	56.02	25.9	29	N	1	N	1	E	NE	-------
30	57.10	56.57	25.4	31	Calm		N	1	E	E	-------
31	57.40	56.67	25.9	30.6	ENE	2	N	2	E	ENE	-------
Mean	58.68	57.78	25.7	29	1.8		2		-------	-------	-------
Total	------	------	------	------	------		------		------	------	------

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	57.34	56.55	25.2	30	NNE	1	N	1	NE	E	-------
2	58.25	57.87	25.1	30.1	E	1	NE	2	ESE	ENE	-------
3	58.17	58.07	25.9	29.2	ENE	2	E	2	E	ESE	-------
4	58.94	58.64	26.1	30	ENE	2	NE	2	E	E	-------
5	59.34	58.82	26.1	29.3	NE	2	NE	2	ENE	NE	-------
6	58.87	57.22	25.6	28.9	NE	2	NE	2	ENE	ENE	-------
7	58.37	57.47	25.9	28.1	NE	3	ENE	3	ENE	E	-------
8	58.52	57.32	25.7	29.3	NE	1	NE	2	NE	ENE	-------
9	58.59	57.87	25.4	29.3	NE	3	NNE	3	NE	NE	-------
10	59.92	59.69	25.7	29	NNE	3	NE	3	NE	NE	-------
11	60.93	60.19	25.4	29.7	ENE	2	NE	2	E	E	-------
12	60.70	59.52	25.6	29.3	N	1	N	2	NE	NE	-------
13	60.27	59.90	25.5	28.4	NE	2	NE	3	ENE	NE	-------
14	59.89	59.11	24.9	29.4	NE	3	NNE	2	ENE	NE	-------
15	59.22	58.03	26.1	29.8	NE	2	NNE	2	ENE	NE	-------
16	58.74	57.32	26	29.7	N	2	N	2	NE	NNE	-------
17	58.09	57.39	26.1	30.7	N	2	N	2	N	ENE	-------
18	58.94	58.12	26.2	30.9	NE	2	NE	2	NE	ENE	-------
19	59.07	59.46	25.8	27.2	N	3	N	3	N	NNE	-------
20	60.72	60.47	25.2	25.9	NE	3	N	4	NE	NNE	-------
21	60.57	59.83	25.1	27.3	NE	4	NNE	3	NE	NE	-------
22	60.08	58.86	24.8	28.1	NE	2	NE	3	ENE	ENE	-------
23	60.32	59.67	24.9	29.9	NE	2	NE	2	NE	ENE	-------
24	60.29	60.84	24.4	28.7	NE	2	NE	2	ENE	ENE	-------
25	60.32	60.01	25.1	29.8	N	2	NNE	1	NE	NE	-------
26	60.23	59.42	25.1	27.1	NE	2	NW	1	ENE	NNW	-------
27	59.60	58.63	24.4	29.4	NNW	2	NW	2	N	NNW	-------
28	59.52	59	24.9	29.2	N	1	N	2	NNE	NE	-------
29	------	------	------	------	------		------		------	------	------
30	------	------	------	------	------		------		------	------	------
31	------	------	------	------	------		------		------	------	------
Mean	59.42	58.76	25.4	29.1	2.1		2.2		-------	-------	-------
Total	------	------	------	------	------		------		------	------	------

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	60.38	60.06	25.2	30.6	N	2	N	2	NE	N	-------
2	60.08	59.19	25.4	29.6	N	2	N	2	NE	N	-------
3	59.36	58.91	24.5	29.4	N	2	NE	2	ENE	NE	-------
4	59.72	58.69	23.9	31.1	NNE	1	NE	2	E	SSE	-------
5	60.06	59.42	22.9	30.2	NNW	1	N	2	NNE	NE	-------
6	59.92	59.10	21.5	30.4	NE	1	NE	1	E	E	-------
7	59.16	58.47	24.5	29.7	ENE	1	E	2	NE	ESE	-------
8	59.53	58.51	24.4	29.8	NE	1	NE	2	ENE	NE	-------
9	59.06	59	24.4	29.9	NE	1	N	2	ENE	E	-------
10	58.73	57.71	24.5	29.9	E	1	ENE	2	E	E	-------
11	58.39	58.04	25.5	29	N	2	NE	2	NNE	ENE	-------
12	58.73	58.70	25.7	32.9	N	1	S	1	E	ESE	-------
13	59.86	58.95	25.6	30.7	N	1	N	1	NE	NE	-------
14	59.10	58.49	25.6	31.2	NE	1	NE	2	E	E	-------
15	58.12	57.67	25.7	31.4	N	1	N	2	NNE	ESE	-------
16	58.69	58.41	25.1	32	E	1	N	2	SE	SSE	-------
17	58.34	58.55	25.9	31.7	NE	1	NE	2	NE	SE	-------
18	59.12	58.75	26.1	30.4	NW	2	N	2	N	NE	-------
19	59.72	59.10	26	31.2	NE	1	NNE	2	NNE	NE	-------
20	59.60	59.05	26.2	31.5	N	1	N	2	E	NE	-------
21	59.87	59.56	26	31.3	N	2	NE	2	S	E	-------
22	59.66	59.43	26.1	30.6	NNE	2	NNE	2	E	NE	-------
23	59.90	59.09	26.4	30.4	NE	3	NE	3	NE	ENE	-------
24	60.21	59.33	26.3	30.4	ENE	2	NE	3	ESE	ENE	-------
25	59.90	59.25	26.2	31.1	NE	2	N	2	ENE	NE	-------
26	60.33	59.78	26.4	30.3	NE	2	NE	2	E	ENE	-------
27	60.26	60.24	26	30.4	N	1	NE	2	NE	E	-------
28	60.20	59.48	26.5	30.8	NE	1	NE	2	NNE	E	-------
29	59.42	59.36	26.8	31.3	NE	3	N	3	ENE	E	-------
30	59.65	58.84	26.5	31.1	ENE	4	NE	3	E	ENE	-------
31	58.83	57.67	26	30.2	NE	4	NE	3	NE	NE	-------
Mean	59.48	58.93	25.4	30.7	1.6		2.1		-------	-------	-------
Total	------	------	------	------	------		------		------	------	------

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	57.94	56.54	26.4	31.5	NE	3	NE	3	NE	ENE	-------
2	57.39	57.31	26.5	28.6	NE	3	ENE	3	NE	E	-------
3	58.03	57.77	26	30.9	NE	3	NE	3	ENE	NE	-------
4	58.19	57.48	26.4	32	N	1	NE	2	NNE	ENE	-------
5	58	57.17	26.5	31.2	NE	2	N	2	NE	NE	-------
6	58.19	57.42	26.4	30.9	N	1	NE	2	NE	NE	-------
7	57.79	56.59	26.1	30.7	NE	2	NNE	2	ENE	NE	-------
8	57.62	56.27	26.6	30.6	NE	2	NNE	2	ENE	NE	-------
9	57.02	55.95	26.9	32.6	NE	1	NW	1	E	SE	-------
10	56.73	55.89	26.4	29.4	Calm		SSW	1	E	SE	1.3
11	56.67	55.77	24.7	32.4	Calm		NW	2	SE	N	-------
12	57.77	56.28	26.4	32.6	NNE	1	Calm		E	E	1
13	58.21	57.42	26.9	33.2	SE	1	NE	1	S	E	-------
14	57.79	56.81	27	32.4	NE	2	NW	2	NE	N	-------
15	57.51	56.83	27	31.8	NE	1	NNE	2	NNE	NE	-------
16	58.59	57.32	24.9	31.3	Calm		NNE	1	NNW	NE	-------
17	58.82	57.41	26	31.4	NNE	1	NE	1	NE	E	-------
18	58.52	57.75	26.5	32.2	NNE	1	NNW	1	N	N	-------
19	58.47	58.79	24.9	32.6	Calm		NNW	2	N	NNE	-------
20	60.07	58.83	25.4	32.4	Calm		N	2	N	ENE	-------
21	59.85	59.31	27.5	29.6	NE	1	NNE	2	NE	E	-------
22	58.84	57.67	27.4	31.5	NE	2	ENE	2	ENE	E	-------
23	56.58	56.31	26.4	29.4	W	2	W	1	WNW	WSW	21.8
24	58.01	57.23	24.4	31.8	ESE	1	SSE	2	SE	SW	1.8
25	59.09	58.60	26.5	32.8	SSW	2	SSE	3	SW	SW	19.6
26	60.42	58.74	24.6	26.6	Calm		S	2	SSW	SSW	2
27	59.04	57.84	25.4	30.9	S	1	SSE	2	SSW	SW	2.8
28	58.25	57.69	25.4	32	SSW	1	SW	1	SW	W	-------
29	58.43	57.69	25	32.4	Calm		SSW	1	ESE	W	-------
30	58.53	58.34	25.4	32.8	Calm		NNE	2	NW	NE	-------
31	------	------	------	------	------		------		------	------	------
Mean	58.21	57.37	26.1	31.4	1.2		1.8		-------	-------	-------
Total	------	------	------	------	------		------		------	------	50.3

CUYO.

[$\phi = 10°\ 51'$ N; $\lambda = 121°\ 01'$ E; barometer above sea, 4 meters; gravity correction not applied, −1.83 mm.]

MAY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58.92	58.30	26.4	30	NNW	1	NNW	2	N	N	3.3
2	59.04	57.54	26.9	31.5	NNE	2	NNW	2	NE	N	18.8
3	57.95	57.13	26.6	29.9	NNE	3	NE	2	NE	N	9.4
4	58.22	58.26	25	30.3	ENE	1	ENE	1	E	SE	------
5	59.70	58.87	26	29.3	Calm		SSE	1	SE	S	3.8
6	59.83	58.56	25.1	28.6	E	1	SSE	1	ENE	S	15.7
7	59.61	58.55	24	30.6	SE	1	NW	1	S	N	------
8	58.71	57.65	23.9	32.3	Calm		SW	1	NW	WSW	------
9	59.35	58.34	24.4	31.9	E	1	SW	1	NW	WSW	------
10	59.38	58.05	24.9	31.4	Calm		Calm		SE	SE	------
11	58.56	57.33	25.6	32.8	Calm		NE	1	SSE	E	------
12	58.15	56.73	28	31.4	NE	2	ENE	2	ENE	E	------
13	58.15	56.99	27.9	32	NE	2	NNE	1	ENE	NE	------
14	57.27	57.53	25.6	28.2	Calm		Calm		N	E	20
15	57.57	57.18	25.1	28.1	NNE	1	Calm		NE	SW	24.6
16	58.64	57.40	25.4	29.9	Calm		Calm		SSE	NE	20.6
17	57.86	57.03	24.1	28.8	Calm		Calm		SE	ENE	6.4
18	57.36	56.55	24.4	27.4	Calm		NW	1	NW	N	15
19	57.25	56.31	24.9	31.6	Calm		SSE	2	W	SE	25.6
20	57.28	56.55	25.5	31.9	Calm		SSE	1	SE	SE	2.8
21	57.94	56.74	25.4	31.4	Calm		SSE	1	E	S	------
22	57.07	56.20	26.3	33.1	E	1	NE	1	NE	NE	------
23	56.82	55.92	26.6	31.9	Calm		SW	1	E	ESE	------
24	56.24	55.88	25.9	32.9	NE	1	ENE	1	ENE	S	.8
25	58.01	57.24	26.4	30.5	NNE	1	SE	1	SSE	SSE	4.1
26	57.93	57.30	25.6	32.4	Calm		Calm		NE	E	6.6
27	58.63	57.50	26.1	29.7	SE	1	Calm		NE	NE	7.4
28	57.99	56.82	25.4	32	Calm		SE	1	NE	SE	------
29	57.40	56.65	25.4	30.9	Calm		SE	1	SE	WSW	8.1
30	57.15	56.57	24.9	32.3	Calm		NE	1	NE	NW	1.8
31	57.42	57.25	25.6	31	ESE	1	NE	1	S	ENE	5.3
Mean	58.11	57.26	25.6	30.8	0.6		0.9		------	------	------
Total	------	------	------	------	------		------		------	------	200.1

JUNE.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58.24	57.70	25.2	31.9	Calm		SE	1	S	S	15.2
2	59.33	58.70	25.5	30.5	Calm		SSE	1	SE	SE	1
3	59.37	58.76	25.6	29.9	Calm		NE	1	E	SE	25.2
4	59.82	58.50	23.9	32.1	Calm		NW	1	S	E	2
5	58.67	57.10	25.2	29.6	Calm		SE	1	E	NE	10.4
6	57.94	56.92	26.3	30.4	NNE	1	NW	1	NE	NE	11.9
7	57.57	56.75	25.9	32	Calm		SE	1	SE	ESE	26.9
8	57.32	56.65	24.9	31.7	Calm		SE	1	SE	SE	15.2
9	58.12	57.99	25.4	31.9	SE	1	SE	1	SE	NE	------
10	59.22	58.36	24.9	31	Calm		SSE	1	NW	SE	6.3
11	58.78	57.66	26	31.4	N	1	NNE	2	NE	E	104.6
12	58.19	57.21	25.4	28.3	SSE	2	Calm		SW	W	40.3
13	58.43	57.90	24.9	29	SE	2	SE	2	SW	SW	16
14	60.04	59.34	25	31.8	SE	2	Calm		S	W	------
15	60.26	58.99	25.4	30.9	Calm		SE	1	NW	SW	17.5
16	59.05	58.12	25.1	28.5	SSE	3	SSE	2	W	W	.8
17	57.16	56.45	26.9	30.4	W	4	SW	4	NW	WSW	15.7
18	56.67	56.41	25.3	25.6	SE	2	WSW	6	NW	W	4.6
19	57.12	57.54	25.7	24.5	SSE	2	SSE	3	SW	SW	17
20	57.81	57.10	24.6	29	SE	3	SE	2	SE	S	------
21	59.52	58.69	26	30.4	SE	1	SE	2	S	S	------
22	60.51	59.79	24.8	32.1	SSE	1	SE	1	SE	SW	.8
23	60.94	59.48	24.6	32.4	Calm		NE	1	N	E	1.8
24	59.55	58.20	25.9	31.4	S	1	N	1	SSE	E	1.3
25	57.72	57.12	25.9	28.4	SSE	1	NE	1	S	SW	26.4
26	58.44	57.17	24.4	30.3	Calm		N	1	------	WNW	8.9
27	57.96	57.45	24.6	28.5	SSE	1	SSE	1	SW	SSW	7.6
28	58.76	57.32	24.4	30.1	Calm		SSE	1	NE	SW	7.1
29	58.09	56.81	24.2	30.2	WSW	1	NW	1	SW	N	12.4
30	56.46	55.98	24.3	25	WNW	1	NW	2	NW	NNW	54.6
31	------	------	------	------	------		------		------	------	------
Mean	57.57	57.74	25.2	30	1		1.5		------	------	------
Total	------	------	------	------	------		------		------	------	451.5

JULY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	55.64	55.78	26.1	25.7	NNW	3	N	2	W	------	24.6
2	56.62	57.57	25.7	26.4	SE	4	SE	3	SSW	S	24.6
3	58.95	57.86	25	32	Calm		SSE	1	S	SW	------
4	58.86	57.65	24.4	31.9	SE	1	NE	1	SW	E	------
5	59.06	58.01	27.1	29.4	N	1	NNE	1	NE	SE	------
6	58.22	56.82	26.5	30.4	N	2	NNE	3	NE	NE	------
7	58.06	57.18	27.2	28.3	N	2	Calm		N	E	41.7
8	58.16	57.21	24.3	30.5	SSE	1	S	2	S	SSW	15.3
9	58.50	58.01	24.5	29.1	Calm		S	1	SE	SW	2.8
10	58.62	58.48	24.9	32.3	Calm		SSW	2	SSE	SW	.8
11	59.15	57.83	25.1	31.9	Calm		SE	2	SW	SW	13.7
12	59.42	57.87	25.4	28.3	Calm		SW	2	NW	W	16.3
13	58.74	58.17	24	26.1	SW	3	WSW	5	W	W	18.3
14	56	55.53	27.1	26.2	SW	5	SSW	5	WSW	SW	17.7
15	56.04	56.19	27.1	30.2	SSW	5	SSW	4	SW	SW	------
16	57.41	56.36	27.1	28.9	SSW	4	SSW	4	SW	SW	2.1
17	57.53	56.82	27	30.4	SSW	3	SW	3	SW	WSW	34
18	57.74	56.54	24.6	24.7	S	3	SSW	2	NW	W	40.7
19	56.84	56.41	26.1	23.4	S	2	NE	2	SW	------	115.9
20	57.11	58.88	23.7	27.6	Calm		SSW	2	W	SW	56.1
21	56.69	55.95	24.1	27.5	SSW	1	SW	2	SW	WSW	1.3
22	55.72	54.55	26.6	29.4	S	3	S	3	SSW	SSW	36.3
23	55.32	54.62	25.9	30.4	S	3	S	4	SSW	SSW	92.5
24	55.78	58.22	25.9	28	SSW	4	SW	4	SW	SW	8.9
25	55.72	54.80	26.9	27	S	4	SSW	3	SSW	SW	81.5
26	55.92	55.20	26.4	31.1	S	3	S	3	SSW	SSW	14.3
27	57.45	57	26	31.5	SSW	1	S	1	SW	SW	21.6
28	57.70	57.58	24.9	28.1	S	1	S	1	SW	SW	30.5
29	57.31	56.89	25.5	25.4	N	2	NW	1	NE	N	54.7
30	57.10	56.72	24.4	27.6	SW	1	S	1	WSW	SW	2.8
31	56.74	55.90	25.5	29.1	SSW	1	S	3	SW	SSW	20.6
Mean	57.36	56.86	25.6	28.7	2		2.4		------	------	------
Total	------	------	------	------	------		------		------	------	789.6

AUGUST.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	56.77	55.97	25.6	30.1	SW	4	SW	4	WSW	WSW	1.3
2	57.29	56.30	26.6	32.4	SW	3	SW	2	WSW	WSW	1.8
3	57.29	56.61	26.8	32.6	SSW	2	SW	3	SW	WSW	------
4	57.37	56.54	27.1	31.5	S	2	S	3	SSW	SSW	------
5	57.12	57.20	26.8	32.6	S	2	S	2	SSW	SW	------
6	57.85	57.20	25.9	31.4	S	1	SSW	2	SW	SW	------
7	58.20	57.56	25.6	30.3	SW	2	SW	1	SW	W	2.3
8	58.40	56.48	25.9	31	SW	1	NNW	2	W	WNW	------
9	56.59	55.44	27.3	30.9	WSW	3	WSW	2	W	W	18
10	55.19	54.95	27	27.4	WSW	4	WSW	4	W	W	.8
11	56.12	55.77	26.4	31.2	SSW	3	SW	2	SW	WSW	5.3
12	56.69	56.52	26.6	26.2	S	3	SW	2	SSW	WSW	81.3
13	57.13	55.82	24.4	30.2	S	2	SSW	3	SW	SW	64.3
14	57.13	56.84	24.9	27.6	SSW	3	SSW	4	SW	SW	13
15	59.59	58.36	24.6	30.4	SSE	1	S	1	S	SW	------
16	59.75	58.94	25.5	30.1	SSW	1	SSW	1	SW	SW	------
17	59.20	58.10	25.2	30.6	SSW	1	SW	2	SW	SW	------
18	57.47	56.67	27.1	28.6	W	3	SW	2	WNW	WSW	33.5
19	57.96	56.78	22.9	29.7	NW	3	SW	1	NNW	WSW	25.1
20	58.74	57.28	23.9	26.5	NNW	2	NNE	1	------	NE	31.7
21	57.61	57.31	24.4	23.5	SSE	1	Calm		SW	WSW	63.8
22	57.91	56.48	23.6	30	SSE	1	WSW	1	SW	W	13
23	56.91	56.54	23.4	24.4	SE	1	NNE	1	SSE	NE	8.1
24	56.70	55.81	25.9	27.9	W	3	W	2	WNW	WNW	1
25	55.58	55.12	26.5	26.7	SW	4	W	4	WSW	WNW	13
26	55.54	54.91	26.4	30	WSW	4	SW	4	W	WNW	.5
27	55.32	56.49	25.6	30.5	SW	2	SW	2	WSW	WSW	------
28	58.44	58.40	26.8	29	S	2	SSW	2	SSW	SW	.5
29	58.54	57.71	24.9	30.6	S	1	WSW	2	WSW	W	------
30	57.39	57.06	26.1	31.2	SSW	1	SW	2	SW	WSW	13.7
31	57.67	57.14	25.9	31.3	SW	2	SW	2	WSW	WSW	------
Mean	57.40	56.72	25.7	29.6	2.2		2.1		------	------	------
Total	------	------	------	------	------		------		------	------	392

CUYO.

[$\phi = 10°\ 51'$ N; $\lambda = 121°\ 01'$ E; barometer above sea, 4 meters; gravity correction not applied, —1.83 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.							*mm.*
1	58.86	58.23	26.9	31.9	S	3	SSE	2	SSW	SW	1
2	59.46	58.33	24.4	31.1	SE	1	SW	2	SW	WSW	-------
3	58.72	57.68	25.1	32.3	S	1	SW	1	SW	WSW	-------
4	59.30	58.08	26.4	31.4	NW	2	W	2	W	NW	8.9
5	59.04	58.04	26.3	31.8	WNW	2	SW	1	NW	WSW	-------
6	58.82	57.80	24.6	32.1	Calm		WNW	1	WSW	NW	8.6
7	58.94	57.70	25.9	26	N	3	Calm		NW	E	81.6
8	58.39	56.75	24.5	29.1	N	2	NNW	1	NE	N	7.1
9	56.79	56.36	25.4	30.4	N	1	NW	1	NE	W	-------
10	57.99	57.47	25	28	NNW	2	Calm		N	NE	2.8
11	58.67	58.11	24.6	28.1	E	1	Calm		E	N	20.9
12	58.41	57.61	24.2	26.3	SSE	1	Calm		S	-------	24.1
13	58.04	57.87	23.9	25.3	SE	1	SE	1	S	-------	71.1
14	57.31	56.21	24.3	30.2	NW	1	SW	1	NNW	NE	-------
15	56.87	55.94	26.6	31.2	WSW	2	WSW	2	W	W	12.2
16	56.47	56.04	27	29.8	WSW	3	W	3	W	WNW	-------
17	57.37	55.64	26.6	30.7	SW	2	SW	3	SW	SW	43.2
18	56.70	56.27	25.1	25.7	S	4	S	2	SSW	SSW	107.7
19	56.50	56.29	25.8	30	SSE	2	S	3	S	SW	20.6
20	58.65	57.87	23.9	28.7	ESE	1	S	2	S	SSW	4.8
21	58.71	57.27	24.2	30.6	SE	1	SSW	2	S	SW	2.3
22	56.94	55.92	24.9	28.6	Calm		SSW	1	NW	SW	26.7
23	57.34	56.86	23.9	31	SE	1	S	2	S	S	-------
24	58.66	57.38	24.5	30	S	1	Calm		SW	S	11.7
25	57.86	56.81	24.1	32.1	Calm		NW	1	N	NNW	2.3
26	56.11	55.17	27	30	NW	3	WSW	3	NW	NW	-------
27	55.44	54.68	27.3	31.7	SW	4	SSW	4	WSW	SW	15.5
28	56.19	56.25	27	28.7	SW	4	SW	3	SW	WSW	16.7
29	57.93	57.15	25.4	31.1	SSE	1	SSW	2	SSW	SW	2.3
30	58.09	57.76	26.4	31	S	2	SSW	2	SSW	SW	1
31											
Mean	57.82	56.98	25.4	29.8	1.7		1.6				
Total											493.1

OCTOBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.							*mm.*
1	58.88	57.94	25.2	31.1	SSW	1	S	1	SW	SSW	-------
2	59.84	59.06	23.9	31.6	Calm		WSW	1	SW	NE	-------
3	59.69	58.98	23.9	31.1	ESE	1	NNW	2	NE	N	-------
4	58.78	57.65	27.1	28.7	N	2	NNW	1	NNE	N	13.7
5	59.13	58.06	24.8	30.4	NE	1	W	1	NE	NW	-------
6	58.86	58.07	24.1	30.7	Calm		WSW	1	NNE	W	11.4
7	59.41	58.77	23.5	30.9	Calm		W	1	N	E	.8
8	59.64	59.15	23.6	29.7	Calm		N	2	N	NNE	4.8
9	59.83	59	26.7	30.6	NE	2	N	2	NE	NE	-------
10	59.40	58.37	26.9	30.9	NE	2	NE	2	NE	NE	-------
11	58.93	57.72	26.5	31	N	2	N	2	NNE	NE	-------
12	58.79	57.81	26.9	30.6	N	2	N	2	NE	NNE	-------
13	58.83	57.41	26	28.7	NNE	2	N	2	NE	NNE	14.7
14	58.89	58.06	23.9	27.6	Calm		NNE	2	E	NE	1
15	58.73	57.98	24	29.4	ESE	1	SSW	1	SE	NE	12.7
16	59.14	57.40	25.1	30.7	E	1	S	2	NE	SE	-------
17	59.86	58.07	24.8	30.5	Calm		N	1	NE	SE	-------
18	59.75	58.82	27.1	29.3	NNE	1	N	2	NE	NE	-------
19	58.66	57.66	27.2	29.8	N	3	NNE	3	NE	NE	-------
20	58.12	57.64	26.9	30	NE	2	NNE	3	ENE	NE	-------
21	58.75	58.45	26.4	30	N	2	NNE	3	NE	NE	-------
22	60.47	60.16	25.9	28.9	NNE	2	N	2	NE	NE	-------
23	60.83	60.10	25.2	29.7	NNE	1	NNE	1	NE	NE	-------
24	61.12	59.92	25.4	30.2	N	1	N	2	NE	E	-------
25	61.07	60.13	22.3	29	SE	1	W	1	-------	SW	-------
26	60.92	59.89	25.4	30.2	NE	1	N	2	NE	NE	-------
27	61.31	59.74	25.6	30	E	1	NNE	2	NE	NE	-------
28	61.62	60.41	26.4	30	NNE	2	NNE	2	NE	NE	-------
29	61.42	60.50	25.9	31	N	1	N	2	NE	NE	-------
30	60.80	59.71	26.9	29.6	N	2	N	2	NNE	NE	-------
31	60.26	58.74	26.9	30.5	N	2	N	2	NE	NE	-------
Mean	59.73	58.75	25.5	30.1	1.3		1.8				
Total											59.1

NOVEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.							*mm.*
1	59.77	58.24	26.8	30.4	N	3	N	3	NNE	NE	-------
2	59.81	58.60	26.6	29.3	N	2	NNE	2	NE	NE	-------
3	59.95	58.70	26.6	29.4	N	3	N	2	NE	NE	-------
4	59.23	58.10	26.5	29.5	NNE	2	NNE	3	NE	NE	-------
5	58.14	57.40	25.7	29.4	NE	2	NE	2	SE	NW	2.5
6	57.28	57.05	22.3	30.4	Calm		N	1	NE	NE	-------
7	58.27	57.80	26	31.5	N	1	N	1	NW	NE	-------
8	60.46	59.83	23.4	30.2	E	1	Calm		NE	SE	-------
9	61.94	60.94	22.9	28.6	SE	1	N	2	NE	SE	-------
10	61.71	60.66	25.8	29.7	N	1	N	2	NE	NE	-------
11	61.29	60.26	25.7	29.3	N	2	NNE	2	NE	NE	-------
12	60.51	59.42	25.5	29.7	NE	2	NNE	2	NE	NE	-------
13	60.41	59	26.2	29.9	NE	2	NNE	3	ENE	NE	2
14	59.85	58.15	25.9	29.7	NNE	3	NNE	3	NE	NE	-------
15	58.78	57.90	26.2	30.1	N	3	NNE	3	NNE	NE	-------
16	58.51	57.55	26.5	30.1	N	1	N	3	E	NE	-------
17	58.54	57.31	26.6	30.1	NE	3	NE	2	ENE	ENE	-------
18	58.58	57.60	26.4	30.5	N	2	N	2	NE	NE	-------
19	58.73	57.77	26.4	29.9	NNE	3	NNE	2	NE	NE	-------
20	58.33	56.62	26.2	30.2	NE	2	NE	2	ENE	ENE	-------
21	57.42	56.19	26.5	29.9	NE	2	NE	2	ENE	E	-------
22	57.72	56.45	26.4	29.7	NNE	2	NNE	2	NE	ENE	-------
23	57.78	57.07	26.4	30	NE	2	NNE	2	ENE	NE	-------
24	58.42	57.67	26.4	30.9	N	2	NNE	2	NE	NE	-------
25	59.19	58.17	26.6	30.2	NNE	2	NNE	2	NE	NE	-------
26	59.65	58.69	26.4	30.1	N	2	NNE	2	NE	NE	-------
27	60.90	59.29	26.2	28.5	N	2	N	2	NNE	NE	-------
28	60.21	59.45	25.9	29.2	NNE	1	N	2	NE	NE	-------
29	60.45	59.13	26.4	28.8	NNE	2	NNE	2	NE	NE	-------
30	60.11	59.03	25.6	29.4	N	2	N	3	NE	NE	-------
31											
Mean	59.40	58.33	25.9	29.8	1.9		2.1				
Total											4.5

DECEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.							*mm.*
1	59.30	58.90	26	30	NNE	1	NE	2	NE	NE	-------
2	59.09	58.42	25.6	29.4	NE	1	NE	2	NE	NE	-------
3	59.24	58.35	26	29.2	NE	3	NE	2	NE	NE	-------
4	59.09	57.62	26	29.6	N	2	NE	2	NNE	ENE	-------
5	58.74	57.53	25.9	29.2	N	1	N	2	NNE	NE	-------
6	58.27	56.80	25.6	29.4	NNE	2	NNE	2	NE	NE	-------
7	57.62	56.71	25.6	28.2	NNE	1	NNE	2	NE	NE	-------
8	57.79	57.71	23.1	30.4	SSE	1	SSW	2	-------	SW	-------
9	57.99	57.51	22.5	30.9	ESE	1	W	1	NNE	WNW	-------
10	57.99	56.81	22.9	30.9	Calm		Calm		-------	NW	-------
11	57.95	56.05	23.8	30.5	Calm		NW	1	NNE	SE	-------
12	58.28	57.70	24.4	30.2	E	1	NE	2	ESE	E	-------
13	59.30	57.74	26.3	29.7	NE	2	NNE	2	E	NE	-------
14	59.44	58.16	26.4	29.4	NNE	2	NNE	2	NE	NE	-------
15	59.38	58.16	26.3	28.6	NE	2	NNE	4	ENE	NE	-------
16	59.76	59.22	26.4	27.7	NNE	3	NE	2	NE	NE	-------
17	59.93	59.40	25.2	29.4	N	3	NNE	2	SSE	ENE	-------
18	60.97	60.37	26	29.3	N	1	N	2	E	NE	-------
19	60.80	59.45	25.4	30.1	NNE	1	NE	2	NE	NE	-------
20	60.87	60.45	25.6	29.1	NNE	1	N	2	NE	NNE	-------
21	61.60	60.86	25.6	29.8	N	2	N	3	NE	NE	-------
22	61.57	60.61	25.6	29.3	N	2	NE	2	NE	NE	-------
23	61.25	60.45	26	29.5	NNE	3	NE	3	NE	ENE	-------
24	62.03	60.64	25.2	29.7	N	2	NE	2	NE	ENE	-------
25	60.92	59.69	25.4	29.1	NE	3	NE	2	ENE	ENE	-------
26	60.12	58.10	25.7	29	N	3	NNE	3	NE	NE	-------
27	59.49	58.48	25.6	29	NNE	3	NE	3	NE	ENE	-------
28	59.72	58.18	25.5	29.1	NE	3	NE	2	ENE	ENE	-------
29	59.55	58.55	25.3	28.9	N	2	N	3	NE	NE	-------
30	58.74	57.91	25.3	28.9	NE	2	NE	2	ENE	ENE	-------
31	59.14	57.75	25.6	28.3	NE	2	NE	2	NE	ENE	-------
Mean	59.55	58.53	25.3	29.4	1.8		2.1				
Total											

BORONGAN.

[$\phi = 11°\ 37'$ N; $\lambda = 125°\ 26'$ E; barometer above sea, 10 meters; gravity correction not applied, —1.81 mm.]

JANUARY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	61.48	60.19	23.2	28.5	N 2	NE 3	N	NNE	0.6
2	61.41	59.99	21.2	28	Calm	NE 3	NNE	NNE	-------
3	62.01	60.22	20.2	26.5	Calm	Variable 2	N	N	18.1
4	62.16	59.77	23.7	29.3	E 1	NE 4	ENE	NE	11.4
5	62.06	59.77	23.4	29.8	Calm	E 2	ENE	E	.5
6	60.83	59.37	24.6	28.4	NNE 1	ENE 3	NNE	NE	34.6
7	61.58	59.06	23.8	27.3	NE 1	NW 4	ENE	NE	86.4
8	62.81	59.99	22.7	27.3	Calm	NE 3	ESE	NNE	18
9	60.43	58.68	24.5	28.8	E 1	E 2	E	E	.3
10	59.28	57.29	23	29.2	Calm	E 2	E	E	-------
11	59.03	57.23	21.1	29	Calm	ENE 3	ENE	NE	3
12	58.97	57.79	22.8	29.3	NW 1	ENE 2	NE	NE	34.8
13	59.72	59.01	23.6	28.5	Calm	E 1	NNE	E	17.3
14	61.30	59.05	23.5	30.1	Calm	E 2	ENE	E	.5
15	60.36	58.09	22.7	29.6	Calm	E 2	ESE	E	-------
16	58.92	58.76	22.2	24.5	Calm	N 1	NNE	N	8.7
17	60.14	58.39	23.4	29.3	Calm	ENE 3	NNE	NE	98.8
18	60.55	60.04	23.5	24.5	Calm	Calm	E	ESE	36
19	60.61	58.79	23	28.4	Calm	E 1	ENE	ENE	23.4
20	61.66	60.03	22.7	27.7	Calm	NE 3	NE	NE	4.8
21	60.97	58.58	22.2	28	Calm	Variable 3	ENE	ENE	6.6
22	60.60	58.52	22.5	29	Calm	ENE 2	N	E	.3
23	59.36	57.71	21.8	28.5	Calm	ENE 3	NE	NE	1.3
24	59.31	56.33	21.3	27.7	Calm	ENE 3	NNE	NNE	44.7
25	61.31	57.95	22.5	28.5	Calm	E 1	E	E	1
26	59.04	56.29	22	29.5	Calm	E 1	E	E	3.3
27	58.81	56.39	21.6	28.5	Calm	ESE 2	-------	ESE	-------
28	58.61	56.77	21.5	29.3	Calm	ESE 2	SE	E	1.5
29	58.67	57.19	23.2	29.5	Calm	E 2	E	E	.3
30	58.59	57.85	21.5	29.5	Calm	ESE 2	E	E	.8
31	59.28	58.63	22.5	30	Calm	E 3	ENE	E	-------
Mean	60.32	58.49	22.6	28.5	0.2	2.3	-------	-------	-------
Total	------	------	------	------	------	------	------	------	457

FEBRUARY.

Day.	Pressure. 700 mm. + 6 a. m.	Pressure. 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.41	58.04	21.4	30	Calm	E 2	E	E	-------
2	59.59	59.38	19.5	29.3	Calm	E 2	E	E	-------
3	59 67	59.39	19.9	29.3	Calm	E 2	E	E	-------
4	60.76	59.97	24.1	29.6	Calm	NE 3	NE	NE	3.9
5	61	60.01	26.4?	29.3	NE 4	NE 6	NE	NNE	2.5
6	59.83	59.15	24.4	27.1	NE 6	ENE 2	NE	ENE	78.8
7	60.14	60.57	-----	27	NE 6	ENE 5	NE	ENE	10.1
8	60.68	59.99	24.6	28.3	NE 4	ENE 4	NE	ENE	1
9	60.39	59.47	22	25.7	Calm	NE 4	NNE	NE	28.4
10	60.82	60.57	22.3	29.3	Calm	ENE 3	NNE	NE	17.3
11	62.96	62.13	23	28	Calm	E 2	E	E	25.4
12	63.04	62.92	25.3	28	E 2	E 2	E	E	22.7
13	62.74	60.39	24.5?	28.3	NE 2	NE 3	NE	NNE	2.8
14	60.35	56.97	21.8	26.5	Calm	NE 2	NNE	NE	30.7
15	58.22	57.15	24	25.6	NNE 1	NNE 1	N	NNE	35.3
16	58.06	57.07	23.7	27.6	Calm	NNE 1	NNE	NNE	2.6
17	58.61	56.99	22.1	29.4	Calm	E 2	E	E	-------
18	58.34	58.05	22.3	28.2	Calm	ENE 2	ESE	E	3
19	59.79	58.92	23.1	25	Calm	NNE 1	SE	NNE	55.9
20	59.38	59.69	23	27.6	Calm	NE 3	-------	NE	106.7
21	62.02	59.11	22.8	25.3	Calm	NE 3	NE	N	25.1
22	59.96	58.32	23	25.5	NE 3	Calm	NE	N	32
23	59.41	58.62	22.5	26	Calm	N 1	N	N	4.4
24	60.38	59.48	22	27.4	Calm	N 2	N	NW	-------
25	60.51	57.61	23.5	31.2	Calm	W 3	NW	NW	-------
26	59.75	57.59	23.1	30.5	Calm	W 2	NW	WNW	.5
27	59.61	58.20	22.6	26.8	Calm	WNW 2	N	NW	1.3
28	59.45	58.24	23	27.5	Calm	NE 2	N	N	6.1
29	------	------	------	------	------	------	------	------	------
30	------	------	------	------	------	------	------	------	------
31	------	------	------	------	------	------	------	------	------
Mean	60.17	59.07	23	27.8	1	2.4	-------	-------	-------
Total	------	------	------	------	------	------	------	------	496.5

MARCH.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	60.03	58.83	22.5	28.8	Calm	NE 3	N	NNE	0.3
2	60.57	59.83	22	24.8	Calm	NE 2	N	NNE	7.4
3	60.12	59.18	22.5	27.6	Calm	ENE 2	NNE	NE	5.8
4	61.29	60.40	22.6	27.4	Calm	NE 3	NE	NE	.3
5	61.62	61.08	19.3	28.7	Calm	ENE 3	NNE	NNE	-------
6	62.40	59.69	19.3	28.6	Calm	ENE 3	NNE	NE	-------
7	61.28	58.85	18.8	27.9	Calm	ENE 2	NE	NE	-------
8	60.63	57.95	19.4	29.6	Calm	NE 3	-------	NE	-------
9	60.07	57.80	21.7	29.5	Calm	NE 4	NE	NE	-------
10	59.78	58.02	21.7	28	Calm	NW 1	NE	NW	35.6
11	58.82	57.33	24	27.8	NW 1	Calm	ENE	SE	19.6
12	61.06	60.72	23.4	30	SSE 1	SE 2	SSE	SSE	16.8
13	61.10	60.27	23.5	29.9	Calm	E 4	SE	E	5.8
14	61.06	59.18	21.4	29.7	Calm	ENE 2	E	E	6.4
15	60.06	58.32	22.5	29.5	Calm	ENE 2	ENE	ENE	-------
16	60.11	58.68	23	30	Calm	E 3	ENE	E	6.6
17	59.74	59.36	23.9	27.4	Calm	SE 1	SSE	SE	3.6
18	59.90	59.29	22.1	28.3	Calm	SE 2	SE	SE	-------
19	61.29	59.91	22.5	30	Calm	Variable 4	NE	NNE	-------
20	61.55	60.07	22.1	27	Calm	NNE 4	NE	NNE	2.1
21	61.48	59.69	22.5	28.8	Calm	NE 4	NNE	NE	6.1
22	61.53	59.77	24	28.9	ENE 1	ENE 3	NNE	ENE	17.5
23	61.54	59.29	21.8	29.7	Calm	ENE 2	NE	NE	-------
24	61.27	59.68	21.5	29.8	Calm	E 3	NE	ENE	10.9
25	61.41	59.97	22.7	28.8	Calm	ENE 2	NE	ENE	33.6
26	62.52	60.62	22.5	29.7	Calm	E 2	E	E	32.8
27	62.26	61.29	23.2	28.3	Calm	ESE 1	ENE	ESE	21.6
28	61.19	60.53	25.7	28	E 4	E 4	E	E	3
29	61.15	60.64	26.8	29.8	ENE 4	ENE 4	ENE	ENE	-------
30	51.19	59.79	26.2	28.7	NE 3	NE 4	NE	NE	.3
31	59.66	58.37	24.8	29.6	NNE 1	NNE 2	NNE	N	2.3
Mean	60.89	59.50	22.6	28.7	0.5	2.6	-------	-------	-------
Total	------	------	------	------	------	------	------	------	238.4

APRIL.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.49	57.03	23.4	28.9	SE 1	ENE 3	SE	NE	70.1
2	58.72	58.02	23	26.3	N 1	Calm	N	E	26.5
3	59.08	59.03	22.8	29.3	Calm	E 2	SE	E	14
4	59.67	58.70	26.1	30.1	E 2	ENE 3	E	ENE	2.6
5	59.69	58.71	24.3	23.6	Calm	NE 1	NE	NE	51.3
6	59.18	59.15	25.2	24.2	N quad 1	NE quad 2	Nquad	NE quad	76.2
7	58.96	57.44	25.2	29	NE quad 2	NE 3	NE	NE	52.6
8	58.91	57.18	24	28.6	Calm	E 2	SE	E	3
9	58.29	57.03	25.2	29	Calm	E 3	SE quad	E quad	19.1
10	58.39	57.19	25	29.5	SE 2	E 2	SE	SE quad	6.6
11	58.11	56.92	24	30	Calm	SE 3	SE quad	SE	-------
12	59.16	58.22	23.8	30.2	Calm	E 2	SE	E	-------
13	59.45	58.37	22.6	29.5	Calm	E 3	E	E	1
14	58.76	57.91	24.5	30.5	Calm	E 2	E	E	-------
15	58	56.97	23.1	30.4	Calm	E quad 2	E	E	-------
16	58.53	57.67	22.7	30	Calm	ENE 2	E	NE quad	-------
17	59.02	57.76	22.8	30.7	Calm	E quad 2	E	E	-------
18	58.86	57.73	23.3	30.1	Calm	ENE 2	NE	ENE	-------
19	58.83	57.83	22.6	30.6	Calm	E 2	NE	ENE	2
20	59.66	59.14	23.5	28.5	Calm	ENE 1	NNE	ENE	.6
21	60.11	59.07	24	29.5	Calm	NE 3	NE	NE	17
22	59.06	55.05	23.8	20.7	Calm	W 5	N	W	67.9
23	57.35	56.69	20	29.7	Calm	ESE 4	NE	S	-------
24	58.65	57.86	22.7	29.3	Calm	SSE 2	S	S	3
25	59.62	58.99	23	25.7	Calm	W 1	SE	W	8.9
26	60.33	58.47	23	29.7	SW 1	SSE 1	S	SW	.5
27	59.63	57.80	23.5	27.5	Calm	Calm	W	SE	9.1
28	58.36	57.02	23	29.4	Calm	ENE 2	SW	W	-------
29	58.45	57.70	22.4	27.6	Calm	ENE 1	W	NW	-------
30	58.58	58.42	23.4	26.6	W 1	NW 1	NW	NW	4.1
31	------	------	------	------	------	------	------	------	------
Mean	58.93	57.84	23.5	28.5	0.4	2.1	-------	-------	-------
Total	------	------	------	------	------	------	------	------	436.1

The barometric readings of this station seem to be too high by about 0.50 mm.

BORONGAN.

[$\phi = 11°\ 37'$ N; $\lambda = 125°\ 26'$ E; barometer above sea, 10 meters; gravity correction not applied, −1.81 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.67	57.61	23.2	29.4	Calm	NE 3	-------	NE	2
2	58.52	56.96	22.1	30.1	Calm	ESE 3	N	NW	-------
3	57.98	57.31	22.4	30.6	Calm	E 2	W	SE	4.1
4	59.42	58.68	23.9	28.3	Calm	E 1	SE	SE	12.4
5	60.51	59.57	24	28.8	Calm	SW 1	SE	SE	11.2
6	60.44	59.07	23.7	28.6	Calm	SSE 2	SE	SE	.3
7	59.84	59.12	23.2	25.6	Calm	SSE 1	E	SE	33.5
8	59.63	58.26	23	30	Calm	Equad. 2	E	E	-------
9	59.71	58.36	23.3	30.5	Calm	Equad. 3	E	E	-------
10	59.62	58.41	23	30.7	Calm	ENE 3	SE	ENE	-------
11	58.56	58.44	23.6	29.6	Calm	ENE 2	NE	ENE	8.1
12	59.10	58.08	24	30.7	Calm	ENE 3	E	ENE	25.4
13	59.20	58.47	24.5	27	Calm	ENE 1	E	NE	24.2
14	58.35	58.09	23.2	24.7	Calm	W 1	NE	SE	71.4
15	58.54	58.22	22.7	28.8	Calm	E 2	SE	E	5.1
16	59.51	58.77	23.5	28.5	Calm	E 1	SE	E	6.1
17	58.72	57.97	22.5	28	Calm	wquad. 1	SE	SE	6.4
18	58.11	57.42	22.2	29.5	Calm	ESE 3	SE	SE	-------
19	58.56	57.19	22.7	30	Calm	Equad. 3	SE	E	-------
20	58.20	57.29	23.6	29.3	W 1	SE 1	SE	SE	.2
21	58.76	57.38	23.6	30.7	Calm	SSE 3	-------	SE	.8
22	58.31	57.09	23.9	31	Calm	SE 3	E	SE	-------
23	58.15	56.99	23.5	31	Calm	ESE 2	E	E	3
24	57.65	56.53	23.4	31.6	Calm	ESE 3	ESE	SE	-------
25	58	57.53	23.7	30.2	Calm	Equad. 2	E	E	-------
26	58.26	58.04	23	31.5	Calm	Equad. 2	Equad.	E	-------
27	58.92	58.02	23.7	31.3	NW 1	ENE 2	·E	E	1.8
28	58.71	57.04	23.5	30.7	Calm	Equad. 2	-------	E	-------
29	58.15	56.50	23.2	31.5	Calm	E 3	-------	E	-------
30	57.61	56.48	23.5	31.8	Calm	ESE 2	NE	E	2.8
31	58.62	58.13	24.2	27.7	Calm	WSW 1	E	SE	10.2
Mean	58.78	57.84	23.3	29.6	0.1	2.1	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	229

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.66	58.43	23.8	29	SSE 1	ESE 2	SE	SE	38.6
2	60.44	59.34	23.9	29.9	Calm	ESE 2	SE	SE	7.9
3	59.66	59.16	23.7	26.5	Calm	Calm	SE	E	18.8
4	59.51	58.99	23.8	31	Calm	E 2	E	E	11.9
5	59.80	58.02	23	30.7	Calm	E 4	E	E	23.8
6	58.86	57.72	23.5	30.2	Calm	Equad. 2	SE	SE	15.3
7	58.82	57.64	23	30.5	Calm	E 2	E	E	.3
8	58.41	57.52	23.3	30	Calm	ESE 2	E	E	1
9	58.53	58.51	24.1	30.9	Calm	ESE 3	SE	SE	12.7
10	59.50	58.38	24.3	30.5	Calm	ENE 3	NE	ENE	16
11	59.25	58.09	24.3	28	Calm	ENE 1	SE	ENE	14.7
12	58.05	57.99	23.9	28.5	Calm	E 1	NE	E	1.5
13	58.40	57.91	23.5	29.5	Calm	SSW 3	E	S	16.8
14	59.06	58.46	23.6	31.5	W 1	WSW 2	NW	W	-------
15	59.17	57.97	24.4	32.8	Calm	W 4	-------	W	-------
16	57.42	56.52	24.5	31.8	W 1	W 2	W	W	-------
17	56.63	55.87	26.2	32	SW 2	SW 3	WSW	WSW	-------
18	56.79	56.04	23.7	30.3	Calm	SW 2	W	SW	.3
19	58.61	57.24	23.7	30.6	Calm	S 1	SW	SW	-------
20	59.80	57.76	24	33	Calm	S 1	-------	SE	-------
21	60.72	59.23	24.2	29.7	Calm	SSE 1	S	S	.5
22	60.94	60.18	24.7	32.7	Calm	SSE 1	-------	SE	-------
23	61.93	59.51	24.9	30.7	Calm	E 1	-------	NE	1.3
24	59.74	57.74	24.5	31.3	Calm	ESE 1	ENE	E	-------
25	58.17	56.50	23	31.3	Calm	ESE 2	-------	E	3
26	58.10	56.84	24.4	30.7	W 1	SSE 2	W	S	-------
27	58.06	56.82	22.2	31.7	Calm	WNW 2	-------	W	1
28	58.66	56.97	22.2	29.2	Calm	SW 1	-------	W	1
29	57.51	56.60	23.7	27.5	W 1	NE 1	NW	NW	3.9
30	55.76	53.92	23.9	25.2	WNW 1	SW 2	WNW	SW	39.4
31	-------	-------	-------	-------	-------	-------	-------	-------	-------
Mean	58.87	57.73	23.9	30.2	0.3	1.9	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	229.7

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	55.66	56.07	23.2	27	Calm	S 1	S	S	7.1
2	58.36	58.88	23.1	29.5	Calm	SSE 2	-------	SSE	-------
3	59.78	58.97	22.7	31	Calm	SE 2	SE	SE	19.4
4	59.65	58.17	23.9	29.5	Calm	E 3	NE	NE	1.1
5	59.31	57.92	23.5	29.6	Calm	ENE 2	-------	N	-------
6	58.73	57.92	22.8	31.2	Calm	E 1	NNE	NE	17
7	58.67	57.63	23.5	30.8	Calm	E 2	-------	E	-------
8	58.91	57.92	23.7	28.5	Calm	SE 2	-------	SE	9.7
9	58.88	57.42	23.6	32.4	Calm	SSE 1	-------	W	-------
10	58.20	57.40	23.8	33.2	Calm	W 3	W	W	-------
11	58	56.91	23.6	32.4	Calm	W 3	W	W	1.8
12	58.71	56.07	24.2	25.1	Calm	WSW 3	NW	W	32.3
13	54.24	53.06	23.8	24.9	WSW 5	SSW 4	W	SW	2.6
14	55.09	54.43	25.3	29.3	SSW 2	SSW 3	SW	SW	8.2
15	57.18	55.96	21.2	31.3	Calm	SSW 3	S	SW	-------
16	57.87	56.84	22.2	25.1	Calm	W 1	-------	W	3.6
17	58.06	56.77	22.4	33.4	Calm	WSW 3	-------	W	-------
18	57.37	55.59	24.3	31.5	Calm	Wquad. 3	W	W	.5
19	56.54	55.84	25.5	31.8	WSW 3	SW 1	W	W	-------
20	57.61	56.52	22.6	31.4	Calm	W 2	WSW	W	2.3
21	56.76	56.04	23	29.6	Calm	WSW 3	W	W	18.3
22	55.98	54.51	23.2	32.7	W 1	W 1	WNW	W	-------
23	55.17	55.18	26	29.5	SW 1	SSW 3	WSW	SW	.8
24	55.92	55.13	23.6	30.7	Calm	SSW 3	-------	SW	-------
25	55.70	54.86	23.1	32.1	Calm	SW 3	S	W	-------
26	56.26	55.21	22.9	31.7	Calm	SW 2	SW	SW	-------
27	57.67	57.66	24.5	29.7	Calm	S 1	-------	S	17.8
28	58.04	57.33	24.7	29	Calm	Calm	NW	NW	8.9
29	57.60	55.96	24.2	27.8	Calm	W 1	NW	NW	3.3
30	56.73	55.57	24.5	29.7	Calm	WSW 1	W	W	-------
31	55.83	55.63	24.7	30.2	Calm	SSW 2	W	W	-------
Mean	57.37	56.43	23.7	30.1	0.4	2.1	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	154.7

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	56.92	56.02	22.7	32.2	Calm	SW 4	SW	SW	2.5
2	57.81	56.54	22.7	31.4	Calm	SSW 4	-------	SW	-------
3	57.74	55.93	24	32.5	Calm	SSW 3	-------	SW	-------
4	57.37	55.92	23.7	32.1	Calm	S 2	-------	S	-------
5	57.32	56.17	24.4	32.7	Calm	SW 2	W	W	-------
6	58.05	56.41	23.8	33.5	Calm	W 3	SW	W	-------
7	57.64	56.54	25	30.7	Calm	WSW 2	-------	W	3.6
8	56.11	55.61	25.1	29.5	WSW 1	WSW 2	W	WSW	-------
9	55.51	54.66	26.5	32	WSW 2	SW 3	W	SW	-------
10	55.16	54.06	22.8	33.3	Calm	SW 3	-------	SW	-------
11	55.75	55.36	22.7	33	Calm	W 3	SW	W	-------
12	57.40	55.82	23.1	32.2	Calm	SW 2	-------	SW	-------
13	57.29	55.72	25	31.7	Calm	SW 2	SW	SW	2
14	57.40	56.06	23.5	31.5	Calm	SW 3	-------	W	-------
15	59.73	58.42	22	34.3	Calm	WSW 3	-------	W	-------
16	59.74	58.22	22.7	31.2	Calm	SSE 2	-------	SE	-------
17	59.06	57.14	23.2	28.7	Calm	S 2	NW	W	15.2
18	58.12	56.77	24	25.3	Calm	SW 2	NW	SW	12.2
19	56.10	56.17	25	30.5	WSW 1	WSW 4	W	W	-------
20	57.66	56.43	24.7	32.4	Calm	WSW 3	W	W	-------
21	57.81	56.72	25.3	30.6	W 1	WSW 2	W	W	1
22	57.09	56.27	24.2	30.5	Calm	WSW 1	W	W	-------
23	56.30	54.81	24.7	31.1	SSW 2	WSW 3	NW	W	2.5
24	54.12	53.67	24.8	28	WSW 4	WSW 4	W	W	.3
25	54.67	54	25.4	29.6	SW 3	SW 2	SW	SW	-------
26	55.20	54.94	25.5	31.4	Calm	SW 4	SW	SW	-------
27	57.33	56.63	22.5	30.8	Calm	SW 4	-------	SW	-------
28	58.20	57.36	22.3	34.5	Calm	WSW 2	-------	W	-------
29	58.22	56.15	22.6	35.4	Calm	W 3	-------	W	-------
30	57.01	56.04	22.5	34	Calm	SW 3	-------	SW	-------
31	57.35	56.29	23.3	34.5	Calm	SSW 3	-------	SW	-------
Mean	57.13	56.03	23.9	31.6	0.5	2.7	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	39.3

BORONGAN.

[$\phi = 11°\ 37'$ N; $\lambda = 125°\ 26'$ E; barometer above sea, 10 meters; gravity correction not applied, −1.81 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.10	57.58	23.1	35.1	Calm	SW 3	------	W	------
2	59.66	57.12	23.5	31.7	Calm	SE 2	------	S	------
3	58.73	57.42	21.7	30.9	Calm	SE 2	SE	W	------
4	58.80	57.97	22.5	31.8	Calm	SSE 3	W	W	0.8
5	59.15	57.63	23.4	32.2	Calm	SSE 2	------	W	.5
6	58.65	58.10	23.2	26.7	Calm	WNW 1	NW	NW	8.1
7	58.80	58.20	23.6	27.1	Calm	WNW 1	NW	NE	10.4
8	58.86	57.67	22.8	30	Calm	ENE 2	NW	NE	------
9	58.47	57.47	22.2	30	WSW 1	ENE 2	ENE	E	5.8
10	58.77	58.49	23.5	30.8	Calm	ENE 3	NE	NE	------
11	59.53	58.58	24	31.6	Calm	E 2	------	E	------
12	59.41	57.86	23.3	31	Calm	E 2	------	E	1.3
13	58.76	56.51	23.1	31.5	Calm	ENE 3	------	NE	3.3
14	57.31	56.03	23.3	30.5	Calm	NNE 3	------	NW	1.3
15	56.73	55.11	23.6	30.3	Calm	WNW 2	W	W	.8
16	56.22	55.59	23.6	30	Calm	SW 3	------	SW	14.5
17	57.73	56.52	23.7	31.4	Calm	SW 2	SW	SW	------
18	57.79	56.88	24	31.7	Calm	SW 2	W	SW	1.3
19	57.80	56.72	24	32.5	Calm	SW 2	W	SW	------
20	59.32	58.11	24.7	31	Calm	SSE 2	------	S	1.5
21	59.51	57.33	24.7	28.4	Calm	SE 2	NW	NW	24.4
22	57.52	56.34	23	29.7	Calm	E quad 2	NW	N	5.6
23	58.18	57.04	22.5	26.7	Calm	E quad 1	N	NW	11.4
24	58.47	57.71	22.5	26.8	Calm	WNW 1	N	NW	5.9
25	57.32	55.67	22.2	30	Calm	E 1	NW	NW	2.8
26	55.07	53.57	26.2	31.1	WNW 1	WSW 2	WNW	SW	------
27	55.76	54.39	25.5	32.2	SSW 2	SSW 4	SW	SW	------
28	57.38	56.12	23	33.4	Calm	SSW 2	------	SSW	------
29	58.83	57.50	23.4	31.4	Calm	SW 1	W	SW	------
30	59.32	59.03	22.5	23	Calm	NW 2	------	NW	22.1
31	------	------	------	------	------	------	------	------	------
Mean	58.23	57.01	23.4	30.4	0.1	2.1	------	------	------
Total	------	------	------	------	------	------	------	------	121.8

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	60.06	58.68	22	30.4	Calm	ESE 2	------	SE	------
2	59.80	59.66	23	30.6	Calm	E quad 2	------	NE	27.7
3	61.14	59.51	23.6	29.9	Calm	ESE 1	NE	NE	3.3
4	60.20	58.48	23	29	Calm	ESE 2	NE	Equad	------
5	59.84	58.07	23.7	30.2	Calm	E quad 2	N	N	2
6	59.63	58.63	22.7	30.2	Calm	ENE 2	------	NE	.3
7	60.70	59.48	22.7	30.5	Calm	E quad 2	N	NE	27.7
8	60.66	59.62	23.3	30.3	Calm	E quad 3	SE	E	.3
9	61.48	58.64	24.1	32.1	Calm	N quad 2	E	N	14
10	59.94	58.70	24.7	29.7	Calm	NE 3	NE	NE	20.1
11	59.16	58.59	23.7	29.5	Calm	NNE 3	N	N	2.8
12	59.26	57.03	23.5	30.3	Calm	NE 3	N	N	.8
13	59.30	57.67	23.1	30.7	Calm	E quad 3	------	NE	1.8
14	59.27	58.39	24.7	30.5	Calm	ENE 3	N	N	.8
15	60.35	58.66	22.2	30	Calm	NE 3	N	N	------
16	60.30	58.52	23	30.7	Calm	ENE 3	N	NE	1.5
17	60.40	59.10	22.8	29	Calm	NE 3	N	NE	83.6
18	60.60	60.81	23.7	22.9	Calm	Calm	E	E	153.1
19	59.90	58.46	24.3	28	NE 1	N 3	NE	N	32.3
20	59.88	58.40	23.8	28.7	N 1	N 3	N	N	9.6
21	60.15	59.41	22.8	30	Calm	NE 3	N	NE	------
22	61.19	60.72	23.4	27.7	Calm	NE 3	N	N	.5
23	------	------	21.5	29.6	Calm	NE 2	N	N	2
24	------	------	21.6	29.8	Calm	ENE 2	------	NE	------
25	------	------	22.5	29.7	Calm	E quad 3	N	N	------
26	------	------	21.2	29.9	Calm	NE 2	N	NE	6.9
27	------	------	22.2	28.9	Calm	ENE 2	N	NE	------
28	------	------	20.9	29.1	Calm	NE 2	------	NE	------
29	------	------	22.5	26.6	Calm	ESE 1	NE	SE	24.3
30	------	------	23.7	30.3	Calm	NE 2	NE	NE	19.6
31	------	------	23.5	29.8	Calm	NE 2	NE	NE	1.8
Mean	60.15	58.87	23	29.5	0.1	2.3	------	------	------
Total	------	------	------	------	------	------	------	------	436.8

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	------	------	23.5	29.7	Calm	NE 3	NE	NE	1.5
2	------	------	22.6	30.7	Calm	N 2	N	N	8.2
3	------	------	23.2	30	NNW 2	NNE 3	N	N	11.6
4	------	------	23.5	29.4	N 1	N 3	N	N	2
5	------	------	22.5	30	N 1	WNW 3	N	W	------
6	------	------	23.5	30.4	WNW 1	WSW 4	W	W	------
7	56.93	56.52	24.7	28.3	WSW 3	WSW 3	W	W	------
8	60.64	60.08	24.4	30.4	WSW 1	W 2	W	W	------
9	62.99	61.95	21	27.4	Calm	ENE 3	------	NE	.3
10	63.43	62.29	22.5	27.5	Calm	NNE 3	N	N	1.8
11	62.97	61.82	20.5	28.3	Calm	NNE 3	N	N	------
12	62.23	61.02	19.3	29.6	Calm	NE 2	NE	NE	.8
13	61.78	60.35	23.7	26	Calm	NE 2	E	NE	31.5
14	60.87	59.82	26	28.2	NNE 4	NNE 4	NE	NE	27.2
15	60.73	59.09	25	27.7	NE 2	ENE 2	NE	Equad	13.4
16	60.51	59.13	24.2	30	NE 2	ENE 2	NE	NE	53.1
17	60.58	59.73	23.7	24	Calm	ENE 4	NE	Equad	16.2
18	60.01	59.69	24.8	27.6	Calm	NE 3	NE	NE	30
19	60.25	59.26	24	28.2	ENE 1	E 2	NE	E	12.2
20	59.22	58.14	23.6	29.2	Calm	ENE 3	NE	NE	18.3
21	59.12	57.85	23.7	29.8	Calm	ENE 3	Equad	E	30.7
22	58.77	58.13	23.8	29.7	ENE 1	ENE 3	NE	NE	3.8
23	59.01	58.38	23.7	29.9	Calm	E 2	NE	E	4.1
24	59.13	58.90	23.5	30	Calm	E quad 2	E	E	11.9
25	61	60.30	24.4	28	Calm	NE 2	E	NE	51.8
26	61.23	60.47	24.2	28.6	ENE 2	ENE 3	E	NE	9.4
27	61.18	60.78	23.5	29.4	Calm	ENE 3	NE	NE	4.1
28	61.24	60.44	23.8	30	Calm	NE 3	NE	NE	34.8
29	61.38	60.41	23.4	29.2	ENE 1	NNE 3	NE	NE	22.9
30	61.03	60.34	25.4	29.4	ENE 2	NE 4	Equad	NE	5.3
31	------	------	------	------	------	------	------	------	------
Mean	60.68	59.79	23.5	28.9	0.8	2.8	------	------	------
Total	------	------	------	------	------	------	------	------	406.9

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	61.03	60.33	22.2	29.6	Calm	ENE 2	NE	NE	2.5
2	60.08	59.34	23.2	28.7	Calm	NE 3	NE	NE	54.6
3	60.29	59.98	23.8	24.7	NE 3	NE 1	NE	NE	48.8
4	60.48	58.56	24.8	30.1	ENE 4	ENE 2	NE	E	20.9
5	59.26	58.88	23	26.7	Calm	NNE 2	NE	N	15.3
6	58.31	56.73	23.7	28.7	Calm	N 3	NE	N	.3
7	55.89	55.53	23	27.2	Calm	WNW 3	NNW	W	------
8	57.85	57.56	21.3	29	Calm	SSE 3	------	S	.3
9	58.87	57.54	23.5	28.7	Calm	SE 2	SSE	SE	------
10	58.85	57.06	22.3	28.6	Calm	SE 2	------	SE	1.3
11	58.59	57.64	22.9	26.7	Calm	E 2	SE	SE	8.6
12	59.47	59.44	23	29.8	Calm	E quad 2	SE	E	3
13	60.48	59.14	24.6	27.8	ENE 2	NE 3	E	NE	5.8
14	60.32	59.13	23.1	27.2	Calm	NNE 3	NE	NE	14.5
15	60.31	59.51	26.3	28.3	E 3	ENE 3	ENE	NE	2.8
16	60.83	60.77	26.5	28	NE 2	E 3	NE	E	3
17	61.96	60.90	25.3	30	E 3	E 4	E	E	6.4
18	62.43	60.98	26	29.7	NE 2	E 3	NE	NE	5.6
19	62.14	60.03	23.6	28.5	ESE 2	E 3	E	E	8.8
20	61.56	60.62	25.6	29.7	E 3	E 3	E	E	.3
21	62.58	61.53	26.1	29.2	ENE 4	NE 4	ENE	NE	.3
22	62.88	61.46	25.4	29.2	NE 4	NE 4	NE	NE	16.8
23	62.04	60.92	26	28.7	NE 4	NE 4	NE	NE	.8
24	63.12	62.16	26.2	26.5	NE 4	NE 4	NE	NE	1.3
25	61.74	60.81	26	28.2	NE 5	NE 5	NE	NE	------
26	61.48	60.13	26.1	27.3	NE 4	NE 5	NE	NE	2.6
27	61.16	60.11	26	29	NE 5	NNE 5	NE	NE	3.8
28	61.27	59.81	25.4	28	E 4	E 4	E	E	2.5
29	60.74	59.86	25.5	24	E 5	ESE 5	NE	E	38.8
30	60.04	59.24	25.1	27.1	ESE 4	NE 3	E	NE	6.6
31	60.23	58.65	24.8	28.6	NE 1	NE 3	NE	NE	2.5
Mean	60.53	59.50	24.5	28.2	2.2	3.2	------	------	------
Total	------	------	------	------	------	------	------	------	278.8

MASBATE.

[$\phi = 12° 22'$ N; $\lambda = 123° 36'$ E; barometer above sea, 3.5 meters; gravity correction not applied, —1.79 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	61.54	60.57	24.6	27.2	N	3	E	3	NE	NE	9.7
2	60.89	59.75	22.6	27.8	E	1	E	3	NE	NE	-------
3	61.43	60.59	23.8	28	NNW	2	N	3	NE	N	3
4	61.77	60.66	24.2	26.8	N	3	SE	3	NE	NE	8.9
5	61.74	60.42	24.2	28	Calm		NNW	3	NE	NE	-------
6	61.24	59.83	25	27.8	N	3	NNW	3	NE	N	2.1
7	61.50	59.87	25.5	29.2	N	3	N	3	NE	NE	3.8
8	62.39	59.70	25.2	27.2	NNW	3	NE	3	NE	NE	11.7
9	59.87	58	24.2	28.4	NW	2	NNW	3	NE	NE	-------
10	58.14	57.13	23.8	30	SE	1	SE	3	NE	NE	8.6
11	58.39	57.37	23.5	28.6	SE	2	SE	3	NE	SE	.3
12	58.59	58.14	23.4	29.4	SE	1	NNW	3	NE	NW	-------
13	59.46	59.40	24.6	27	NNW	3	NNW	3	NW	N	4.6
14	60.78	58.88	23.6	29.5	SW	2	E	2	NE	NE	-------
15	59.52	58.22	25	28.5	W	3	NNW	3	NE	NW	2.5
16	58.77	59.03	25.2	28.6	NNW	3	NNW	3	N	NW	-------
17	60.12	58.64	23.2	30	SE	1	SE	3	NE	SE	-------
18	-------	-------	-------	-------	-------		-------		-------	-------	-------
19	60.12	59.32	25.2	26.5	W	3	NW	3	N	NW	-------
20	60.27	60.18	24.5	28.8	SE	3	NE	3	SE	NE	-------
21	60.64	59.27	24.8	25.4	NNW	3	NNW	3	NE	NW	12.4
22	60.38	58.97	24.2	27.6	N	3	NNW	3	NE	NE	3.3
23	59.19	57.57	24.6	28	NNW	3	NNW	3	NW	NW	2.5
24	58.06	56.69	25	28.8	NNW	3	SE	3	NW	NE	.3
25	59.45	57.60	24.2	28.2	SE	2	N	3	NE	NE	-------
26	58.29	57.25	23.8	30	SE	1	NNW	3	NE	NE	-------
27	57.89	56.70	24	30.4	SE	2	SE	3	NE	SE	-------
28	57.34	56.76	24	30	SE	2	SE	3	NE	NE	-------
29	58.13	57.18	24.2	30	E	3	SE	3	NE	NE	-------
30	58.34	57.11	24.5	30.6	E	3	E	3	NE	NE	-------
31	58.57	57.40	24	31.2	SE	1	SE	3	NE	NE	-------
Mean	59.76	58.61	24.3	28.6	2.3		3		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	[a]73.7

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58.46	57.42	24	29.8	SE	3	E	2	NE	NE	-------
2	59.19	58.79	23	29.6	SE	2	SE	3	NE	NE	-------
3	59.74	59.30	23	29.5	SE	3	NNW	3	NE	NE	-------
4	60.47	59.55	23.6	30.5	S	3	NNW	3	NE	NE	-------
5	61.02	59.98	25.5	30.4	N	3	NE	3	NE	NE	-------
6	59.45	58.32	25.2	27.2	N	3	NE	3	NE	NE	52.1
7	60.51	59.47	25	26.6	NE	3	NE	4	NE	NE	13.2
8	60.17	59.55	24.4	28.2	NE	3	NE	4	NE	NE	-------
9	60.14	59.20	24.4	29.4	NNW	3	N	3	NE	N	1.5
10	61.34	60.61	24	26.6	N	3	NNW	3	NE	NE	3.6
11	61.59	60.93	25.2	29.2	NNW	3	NNE	3	NW	NE	-------
12	62.42	61.22	24.2	25.5	NNW	3	SE	3	NE	NE	35
13	61.42	61.02	24	28.6	NNW	3	N	3	NE	NE	-------
14	60.52	59.17	24.5	24.5	NNW	2	NNW	3	NW	N	6.1
15	59.46	58.05	25	26.2	NNW	4	NNW	4	NW	NW	-------
16	58.59	57.60	25	26.6	NNW	4	NNW	3	NW	NW	19
17	58.41	57.59	24	26.5	NNW	2	NNW	3	NE	NW	1.5
18	58.16	58.07	24.2	28.2	Calm		NNW	3	NE	NE	-------
19	59.77	60.34	25.2	24.5	NNW	4	NNW	4	NW	NW	23.6
20	62.04	61.12	24	23.6	NNW	3	NNW	4	NW	NW	69.8
21	61.59	60.08	23.5	24.6	NNW	3	NNW	3	NW	NW	8.9
22	60.07	58.63	24	26.2	NNW	3	NNW	3	NW	NW	.8
23	60.19	59.52	24	27.5	NW	3	NNW	4	NW	NW	4.6
24	61.42	60.62	23.5	27.6	W	3	NNW	3	NW	NW	-------
25	60.92	59.55	24.4	25.2	NNW	3	NNW	3	NW	NW	1.3
26	59.54	58.85	24.2	26	W	2	NNW	3	W	NW	.8
27	59.87	58.62	24.2	27	W	3	NNW	3	NW	NW	.3
28	59.67	59.05	24.4	28.5	SE	2	NNW	3	NW	NW	-------
Mean	60.22	59.36	24.3	27.3	2.8		3.2		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	242.1

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	60.54	59.70	24.5	28.2	W	2	NNW	3	NW	NW	-------
2	60.42	59.29	23.2	28.2	SE	2	NNW	3	NW	NW	-------
3	60.19	59.85	23.8	27.2	NNW	2	E	3	N	NE	-------
4	61.09	60.20	23.6	29.2	NE	3	E	3	NE	NE	-------
5	61.47	60.62	23.2	29	NE	2	NE	3	NE	NE	-------
6	60.82	59.75	21.4	29.5	SE	3	E	3	SE	NE	-------
7	60.47	59.27	23.2	29	NE	3	E	3	NE	NE	0.3
8	60.69	59.60	22.2	27.6	NE	3	NNW	3	NE	NE	-------
9	59.92	59.16	23	29.5	SE	2	N	3	NE	NE	-------
10	59.47	57.92	22.5	27.5	SE	2	NNW	3	NE	NE	1
11	58.32	58.10	24.2	28.2	NW	3	NNW	3	NW	NE	27.2
12	60.19	60	24.5	29.8	W	2	E	3	NE	NE	.3
13	61.37	60.18	23.8	30.5	E	1	E	3	NE	NE	-------
14	60.58	59.20	23.2	30.6	S	1	NE	3	NE	NE	-------
15	59.57	58.35	23.5	30	SE	3	SE	3	NE	NE	-------
16	59.44	58.58	24.2	31	SE	2	E	3	NE	NE	-------
17	59.31	58.63	24.2	32	SSE	1	E	3	NE	NE	-------
18	59.87	58.80	23.8	31.5	SSE	2	E	3	NE	NE	-------
19	60.47	59.68	24	30	E	2	NNE	3	NE	NE	-------
20	60.79	59.78	23.2	31.5	SSE	1	SE	3	NE	NE	-------
21	60.62	60.10	23.8	30.5	S	2	E	3	NE	SE	-------
22	61.07	60.13	25.2	30.5	NE	2	E	3	NE	NE	-------
23	61.30	60.08	25	29	NNE	3	NNW	3	NE	NW	-------
24	60.87	59.73	25.5	30	NNW	3	N	3	NW	NW	-------
25	61.05	59.95	25.2	31.2	NE	3	N	3	NE	NE	-------
26	61.62	60.88	25.2	31	N	3	NE	3	NW	NE	1.8
27	62.32	61.60	24.5	30	NE	3	E	3	NE	NE	9.9
28	61.77	61.12	25	28.2	NE	3	NE	3	NE	NE	21.1
29	61.46	60.80	25.2	30.5	NE	3	NE	3	NE	NE	3
30	61.64	60.33	23.6	30	SE	1	NNE	3	NE	NE	-------
31	60.05	58.75	25.2	28.6	N	3	NNW	3	N	NW	-------
Mean	60.61	59.68	24	29.7	2.3		3		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	64.6

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58.20	57.30	25.8	29.6	NNW	3	NE	3	NW	NE	0.3
2	59.06	58.40	24.6	27	NNE	3	NNW	3	NE	NE	1.8
3	59.06	58.75	23.5	29.4	SE	2	NNE	3	NE	NE	-------
4	59.54	58.78	24.5	31.5	S	2	NE	3	NE	NE	-------
5	59.29	58.50	24	29	SSE	3	NE	3	NE	NE	-------
6	59.26	59.13	24	29.6	NE	3	NE	3	NE	NE	-------
7	59.02	57.37	25.6	29.5	N	3	N	3	NW	NW	7.4
8	58.57	57.17	25.5	29	N	3	NW	3	NE	NE	-------
9	57.99	56.50	25.5	29.2	E	2	SE	3	NE	NE	-------
10	57.67	57.15	25.2	27.8	S	2	E	3	NE	NE	-------
11	57.67	56.40	25	31.4	S	2	E	3	NE	NE	-------
12	58.90	57.40	25.5	31.5	NE	1	E	3	NE	NE	-------
13	59.27	58.50	24.6	32.2	SE	3	E	2	NE	NE	-------
14	58.89	57.40	24.2	32.2	S	2	SE	3	NE	NE	-------
15	58.07	57	25.5	30.8	SE	2	N	3	SE	NE	-------
16	59.05	57.45	24.6	32.4	SE	1	SE	3	NE	NE	-------
17	59.42	57.55	25.2	31.6	S	3	E	3	NE	NE	-------
18	59.09	57.85	25	31.2	S	3	N	3	SE	NE	-------
19	59.29	59.09	25.5	31.6	SE	3	SE	3	SE	SE	-------
20	60.74	59.71	25.5	30.6	S	3	SE	3	SE	SE	-------
21	60.80	59.53	26.6	31.8	N	3	N	3	NE	N	.5
22	59.62	57.79	26.2	25.4	NW	3	SW	3	NE	SW	58.2
23	55.69	57.47	24	30.5	SW	4	S	3	SW	S	2.3
24	58.54	57.50	25.2	31	S	3	S	3	S	SW	-------
25	59.70	58.45	25.5	31.2	S	3	SW	3	SW	SW	-------
26	60.45	58.83	25	29.2	SW	3	NNW	3	SW	SW	.3
27	59.52	57.49	24.8	30	SW	2	SW	3	SW	SW	-------
28	58.07	57.05	26	29.6	SW	3	SW	3	SW	SW	-------
29	58.49	57.70	27	29.5	SW	3	NNW	3	SW	NW	-------
30	58.84	58.07	26.2	30.6	SW	3	NNW	3	SW	NW	-------
Mean	58.93	57.91	25.2	30.2	2.6		3		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	70.8

[a] 30 days of observation.

The barometric readings of this station seem to be too high by about 0.30 mm.

MASBATE.

[$\phi = 12° 22'$ N; $\lambda = 123° 36'$ E; barometer above sea, 3.5 meters; gravity correction not applied, —1.79 mm.]

MAY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.17	58.28	26.6	30.8	NW	3	NNW	3	NW	NW	-------
2	58.87	57.35	26	28.6	S	3	NNW	4	SW	NW	10.9
3	58.44	57.68	25.5	29.4	N	3	NNW	3	NE	NW	1.5
4	59.48	59.23	25.6	28	NE	2	S	3	NE	NE	-------
5	60.67	59.55	25.5	29.8	SW	3	SE	3	NE	NE	-------
6	60.67	58.50	25	30.4	SE	1	SE	3	NE	NE	-------
7	60.25	58.60	25.6	28.6	SW	3	NNW	3	SW	SW	.5
8	59.27	58.25	25	27.8	Calm		SW	3	SW	SW	-------
9	59.52	58.45	24.8	27.5	SW	3	SW	3	SW	SW	-------
10	59.52	58.58	25.4	32.2	SW	3	E	3	SW	NE	-------
11	58.94	57.88	25.5	30.8	SE	1	E	3	NE	NE	-------
12	59.02	57.35	26.2	32	NE	2	SE	3	NE	NE	-------
13	59.08	58.14	27	30.2	NE	2	E	3	NE	NE	-------
14	57.97	58.03	26.5	28.2	NE	3	E	3	NE	NE	46.7
15	58.74	57.77	25	30.2	SW	3	E	3	NE	NE	-------
16	59.34	58.50	27	31.2	S	2	E	3	NE	NE	-------
17	58.69	57.25	25.5	31.5	SW	3	E	3	NE	NE	-------
18	57.82	56.88	25.5	31.6	SE	3	E	3	NE	NE	-------
19	58.34	57.13	25.6	29	SE	3	E	3	NE	NE	.3
20	58.02	57.47	25.6	27.6	SE	3	SW	3	NE	SW	6.7
21	58.64	57.13	25.5	29.4	SE	2	SW	3	NE	SW	-------
22	58.04	56.88	26.2	32	S	2	SE	3	NE	NE	-------
23	58.12	56.53	25.6	32.6	SW	1	NE	3	NE	NE	-------
24	57.39	56.60	26.5	29.2	NE	3	SW	3	NE	SW	-------
25	58.10	57.33	26.4	31.6	NE	1	E	3	NE	NE	-------
26	58.27	57.78	26.4	30.5	SE	1	SW	3	NE	NE	-------
27	59.18	57.65	26.6	31.2	SW	3	SW	3	NE	SW	-------
28	58.85	56.85	27.2	32.5	SE	1	E	3	NE	NE	-------
29	57.82	56.97	26.2	26.5	SW	3	S	3	NE	SW	.3
30	57.72	56.93	25.2	30.8	SE	2	SW	3	NE	SW	-------
31	58.37	57.68	26.2	31.5	E	3	E	3	NE	NE	-------
Mean	58.78	57.72	25.9	30.1		2.3		3	-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	66.9

JUNE.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.03	57.98	27.2	29.5	NE	3	E	3	NE	SW	-------
2	60.05	59.10	26	32	E	1	NE	3	NE	NE	-------
3	59.72	58.85	26.4	32.6	SE	2	E	3	NE	NE	-------
4	60.07	58.90	25.5	32.2	SE	2	E	3	NE	NE	-------
5	59.70	57.83	26.5	32.6	E	2	E	3	NE	NE	-------
6	58.94	57.58	26.4	31.5	SE	3	SE	3	NE	NE	-------
7	58.69	57.33	27	32	NE	2	NE	3	NE	NE	-------
8	58.42	57.24	26.2	32.8	SE	2	NE	3	NE	NE	-------
9	58.62	58.15	27.5	32.5	SW	2	E	3	NE	NE	-------
10	59.72	58.68	26.5	32.2	SE	2	E	3	NE	NE	-------
11	59.35	58.27	26.2	33	E	1	E	3	NE	NE	-------
12	58.73	57.70	26.8	32.6	SW	2	SE	3	NE	NE	-------
13	58.37	-------	26	----	SW	3	-------		SW	-------	-------
14	59.75	59.28?	26	30.5	SW	3	SW	3	SW	SW	-------
15	59.87	58.51	28.8	30.2	SW	3	SW	4	SW	SW	-------
16	57.97	57.18	28	28.6	SW	4	SW	4	SW	SW	1.5
17	56.35	55.68	27.6	30.2	SW	4	SW	4	SW	SW	-------
18	56.34	55.83	26.5	30	SW	3	SW	3	SW	SW	-------
19	57.52	57.72	25.5	29.2	S	3	SW	3	SW	SW	-------
20	58.52	57.20	25.2	31.4	SW	3	SW	3	S	SW	-------
21	59.97	58.95	26.2	26.8	S	3	SW	3	SW	SW	23.9
22	60.82	59.83	25.4	32.6	Calm		SW	3	NE	SW	-------
23	61.02	59.28	26	32.6	SW	1	NNW	3	SW	NW	3.3
24	59.32	58.03	26	30.6	SW	3	NW	3	SW	NW	-------
25	57.77	56.73	26.5	30.6	SW	3	SW	3	SW	SW	-------
26	58.38	56.68	26.4	30	SW	4	SW	3	SW	SW	-------
27	57.54	57.13	26.8	30.5	SW	3	SW	3	SW	SW	1.5
28	58.47	-------	27.2	----	SW	3	-------		SW	-------	-------
29	-------	-------	-------	-------	-------		-------		-------	-------	-------
30	-------	-------	-------	-------	-------		-------		-------	-------	-------
31	-------	-------	-------	-------	-------		-------		-------	-------	-------
Mean	58.89	57.91	26.5	31.1		2.5		3.1	-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	[a]30.2

JULY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	-------	-------	-------	-------	-------		-------		-------	-------	-------
2	-------	-------	-------	-------	-------		-------		-------	-------	-------
3	-------	-------	-------	-------	-------		-------		-------	-------	-------
4	59.63	58.18	25.5	30	S	2	E	3	NE	NE	-------
5	59.27	58.62	26.2	26.4	S	2	Calm		NE	NE	5.3
6	58.97	57.38	26	31	NE	3	SE	3	NE	NE	-------
7	58.77	57.23	26	32.6	S	2	NE	3	NE	NE	42.4
8	58.62	57.90	24.2	26.8	SE	2	SE	3	NE	S	8.9
9	58.67	57.78	25.2	29.6	SW	3	NNW	3	SW	SW	11.7
10	58.52	57.98	27.4	30.4	SW	3	SW	3	SW	SW	-------
11	58.47	57.18	27.5	30.5	SW	3	NW	3	SW	NW	11.7
12	58.95	57.82	24.6	25.2	SW	3	SW	3	SW	SW	37.4
13	55.67	54.19	26	26.6	SW	3	SW	6	SW	SW	27.4
14	54.19	52.49	26.6	27	SW	5	SW	7	SW	SW	7.9
15	55.36	54.63	25.5	30.4	SW	3	SW	4	SW	SW	1.5
16	56.52	55.50	26.8	29	SW	3	SW	5	SW	SW	.8
17	57.09	56.48	26.5	30.2	SW	3	SW	3	SW	SW	4.1
18	56.69	55.60	26.2	29.2	SW	4	SW	4	SW	SW	2.8
19	57.02	56.20	26.6	29.2	SW	3	SW	4	SW	SW	-------
20	57.27	56.68	26.2	29.8	SW	3	SW	3	SW	SW	-------
21	56.87	55.98	26	28.2	SW	3	SW	4	SW	SW	.3
22	55.52	-------	26.4	----	S	2	-------		SW	-------	2.8
23	54.72	54.37	26.5	29	SW	3	SW	3	SW	SW	11.4
24	54.92	54.25	26	27.6	SW	3	SW	3	SW	SW	.3
25	55.19	54.40	27.6	29.5	SW	3	SW	3	SW	SW	-------
26	55.54	55.03	26.5	29.8	SW	3	SW	3	SW	SW	-------
27	57.19	57.26	26.8	32.4	SW	3	SW	2	SW	SW	-------
28	57.85	58.07	26.8	25.5	SW	2	SW	2	SW	SW	8.7
29	57.03	56.40	24.8	27.5	SW	3	NNW	3	SW	NW	5.3
30	56.82	55.88	25	26.6	S	3	SW	3	SW	SW	45
31	55.93	55.55	25.5	28.8	SW	3	SW	3	SW	SW	-------
Mean	57.04	56.26	26.1	28.8		2.9		3.2	-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	[b]235.7

AUGUST.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	55.67	55.30	26.6	30	SSW	3	SW	3	SW	SW	2
2	57.07	56.40	26.2	28	SW	2	SW	3	SW	SW	10.2
3	57.19	56.18	26.2	30.6	SW	3	SW	3	SW	SW	-------
4	57.27	56.13	26.2	30.8	S	3	SW	3	SW	SW	-------
5	57.24	56.59	26	30.5	SW	3	SW	3	SW	SW	-------
6	57.63	56.88	26.6	30.6	SW	3	SW	3	SW	SW	-------
7	57.64	56.85	27	30.5	SW	3	W	3	SW	W	-------
8	56.38	55.78	27.2	29.8	SW	3	SW	3	SW	SW	-------
9	55.25	54.28	27.6	29.8	SW	3	SW	4	SW	SW	-------
10	54.09	53.90	27.5	29.8	SW	4	SW	4	SW	SW	-------
11	55.19	55.13	26.8	29.6	SW	3	SW	3	SW	SW	-------
12	56.59	55.80	26.2	28.4	SW	3	SW	3	SW	SW	8.6
13	56.34	55.40	26.2	29.5	SW	4	SW	3	SW	SW	1.3
14	56.14	56.25	26.2	29.8	SW	3	SW	3	SW	SW	-------
15	59.07	58.10	25.8	30.6	SW	3	SW	3	SW	SW	-------
16	59.44	58.62	25.4	28.4	SW	3	S	3	SW	SW	1.5
17	59.09	57.50	26	30	SW	3	SW	3	SW	SW	.8
18	56.99	57.12	26.5	23.8	SW	3	SW	1	SW	SW	55.6
19	56.99	56.37	25.2	27.8	SW	3	SW	3	SW	SW	.3
20	57.47	56.50	26.4	28.8	SW	3	SW	3	SW	SW	-------
21	57.97	56.63	25	29.2	SW	2	SW	3	SW	SW	-------
22	57.49	56.15	26	28.2	SW	3	NNW	3	SW	NW	6.9
23	56.57	56.58	24.2	28.8	SW	3	SW	3	SW	SW	2.5
24	55.54	53.95	26.2	27.6	SW	3	SW	4	SW	SW	1.5
25	53.64	53.02	26	27.6	SW	4	SW	5	SW	SW	3.6
26	54.54	54.13	25.6	29.8	SW	3	SSW	3	SW	SW	.5
27	56.69	56.30	26.6	28.8	SW	3	SW	3	SW	SW	.8
28	58.32	57.65	25.2	30	SW	3	SW	3	SW	SW	-------
29	57.87	56.74	26	30	SW	3	SW	4	SW	SW	-------
30	56.67	55.85	26	30	SW	3	SW	5	SW	SW	-------
31	57.12	56.20	27	30	SW	3	SW	4	SW	SW	-------
Mean	56.81	56.07	26.2	29.3		3		3.2	-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	96.1

[a] 27 days of observation.

[b] 28 days of observation.

MASBATE.

[$\phi = 12°\ 22'$ N; $\lambda = 123°\ 36'$ E; barometer above sea, 3.5 meters; gravity correction not applied, —1.79 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.44	57.55	26.5	31	SW 2	SW 3	SW	SW	-------
2	59.45	57.55	25	30.4	SW 3	SW 4	SW	SW	-------
3	58.42	56.93	27	30.2	SW 3	SW 3	SW	SW	-------
4	58.77	57.77	26.8	30.5	SW 3	SW 3	SW	SW	-------
5	58.87	57.60	26.8	28.5	SW 3	S 2	SW	SW	13
6	58.22	57.85	26.8	28.2	SW 3	Calm	SW	SW	3.8
7	58.82	57.55	24	29.5	SE 1	NNW 3	SW	SW	12.2
8	58.51	57	24	30.5	NE 1	SE 3	NE	E	-------
9	57.84	56.98	25	29	SE 1	SE 3	NE	NE	-------
10	58.34	58.08	25.6	30.6	SE 1	NNW 3	NE	NW	-------
11	58.95	58.35	25.4	28.6	SE 2	SW 3	SE	SW	-------
12	58.99	57.33	25.8	29.6	SW 3	NE 3	SW	NE	-------
13	58.34	56.53	24.5	31.5	SW 3	NNW 3	NE	NE	15
14	57.19	55.93	24.8	29.4	SW 3	SW 3	SW	SW	-------
15	56.49	54.90	25.4	30.2	SW 3	SW 3	SW	SW	-------
16	55.52	55.08	27.2	28.6	SW 3	SW 3	SW	SW	.3
17	56.97	55.83	26.6	29.2	SW 3	SW 4	SW	SW	.5
18	56.87	56.62	27	27.5	SW 3	SW 3	SW	SW	5.1
19	57.19	56.67	26.6	28.2	SW 3	SW 3	SW	SW	-------
20	58.87	58.10	26.4	29.5	SW 3	SW 3	SW	SW	-------
21	58.95	56.61	26	29.4	SW 3	NE 2	SW	NE	38.8
22	56.96	55.97	24.4	29.4	SW 3	NNW 3	SW	NW	7.4
23	57.87	57.80	25.2	28.5	SE 1	WNW 3	NE	SW	.5
24	58.49	57.65	25.2	28	SW 3	SW 3	SW	SW	1
25	57.79	56.10	25.8	30.2	SW 3	NNW 3	SW	NW	-------
26	54.77	53.23	27	29.5	SW 3	SW 3	SW	SW	-------
27	53.69	52.50	27.2	29.5	S 3	S 4	SW	SW	8.9
28	55.64	55.87	26.8	27.4	S 3	S 3	SW	SW	-------
29	57.82	57.05	26.5	30.2	SW 3	SW 3	SW	SW	-------
30	58.45	57.55	25.8	30.6	SW 2	SW 3	SW	SW	-------
31	------	------	------	------	------	------	------	------	------
Mean	57.72	56.68	25.9	29.4	2.6	2.9	-------	-------	-------
Total	------	------	------	------	------	------	------	------	106.5

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	59.19	57.78	26	30.2	SW 1	SW 3	SW	SW	-------
2	60.05	59.04	25.6	31.6	SW 3	E 2	NE	NE	-------
3	60.37	59.20	25	31.5	SE 1	SE 2	NE	NE	-------
4	59.35	57.68	25.5	32	SE 1	SE 2	NE	NE	-------
5	59.30	57.90	25.4	30.5	SE 2	SW 3	NE	SW	-------
6	59.32	58.77	25.8	30.5	SW 1	S 3	SW	NE	-------
7	59.85	59.33	25.6	31.8	SE 1	E 2	NE	NE	-------
8	60.48	------	25.5	------	SW 2	------	NE	------	-------
9	60.75	59.18	26.5	28.2	NW 3	NW 3	NE	NW	-------
10	59.90	59.12	26.6	28.2	NE 1	NW 3	NE	NW	4
11	59.40	58.13	25	30.6	S 2	NNW 3	NE	NW	-------
12	59.30	57.73	25.4	31.5	SE 1	NNW 3	N	NW	19.6
13	58.64	57.68	26	29.6	NW 3	NW 3	NW	NE	-------
14	58.89	58.38	26	30.5	NNE 3	NNW 3	NE	NE	-------
15	59.57	58.55	25.5	30.2	SE 1	E 3	NE	NE	-------
16	59.90	58.20	25.5	30.4	Calm	E 3	NE	NE	-------
17	60.67	58.63	25.2	31.2	SE 1	E 3	NE	NE	1.5
18	60.85	60.20	25.6	27.6	NE 1	E 3	NE	NE	2.8
19	60.20	58.82	26	30.5	NE 3	NE 3	NE	NE	1
20	59.92	58.42	26	31	NNE 3	N 3	NE	NE	-------
21	60.37	59.45	26	31.5	NE 3	NE 3	NE	NE	-------
22	61.27	60.90	25.5	29	N 3	NNW 3	NE	NW	-------
23	61.74	60.55	23.6	30.4	S 2	NE 2	------	NE	-------
24	61.74	60.60	23.8	30.6	SE 1	N 3	NE	NE	-------
25	61.99	60.60	24.4	30.5	SE 1	SE 3	NE	NE	-------
26	61.74	60.50	23.8	30	SE 2	N 3	NE	NE	-------
27	62.22	60.53	25.4	30.6	N 3	SE 3	NE	NE	-------
28	------	------	------	------	------	------	------	------	------
29	------	------	------	------	------	------	------	------	------
30	------	------	------	------	------	------	------	------	------
31	------	------	------	------	------	------	------	------	16.5?
Mean	60.26	59.07	25.4	30.4	1.8	2.8	-------	-------	-------
Total	------	------	------	------	------	------	------	------	45.4[1]

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	60.67	59.48	25.5	30.2	Calm	NNW 3	NE	NW	-------
2	60.75	58.90	25.5	28.8	NNW 3	NNW 3	NW	NW	2
3	60.60	58.93	24.5	30	Calm	NNW 3	NW	NW	-------
4	60.30	58.39	25.5	28.5	NNW 3	NNW 3	NW	NW	-------
5	58.04	57.49	25.5	28.8	NNW 4	NNW 3	NW	NW	-------
6	57.09	56.20	25.6	28	W 3	W 3	W	W	-------
7	58.02	57.57	25.6	27.2	W 3	W 3	W	W	-------
8	60.99	60.50	25.2	29	W 3	NNW 2	W	NW	-------
9	62.84	61.88	24	30.2	S 2	S 3	S	N	-------
10	63.27	61.85	24.4	30.5	NE 1	S 3	NE	SE	-------
11	63.09	61.55	24.2	29.2	NE 3	NE 3	NE	NE	-------
12	62.29	61.20	24.4	27.5	NNW 3	NE 3	NW	NE	.3
13	62.29	60.25	24.8	30	N 3	NE 3	N	NE	1.8
14	61.42	60.05	25.5	29.6	NE 3	NE 3	NE	NE	1.3
15	60.82	59.28	24.6	29.6	N 3	NE 3	NE	NE	25.9
16	60.55	59.17	25.2	27	NE 3	NE 2	NE	NE	18.6
17	60.59	58.70	24.8	30.5	NE 1	NE 3	NE	NE	21.8
18	60.62	59.15	24.4	28.5	NE 3	NNE 3	NE	NE	17.5
19	60.36	58.98	25.4	29.2	NE 3	N 3	NE	NE	-------
20	59.59	58.02	24.4	28.2	NE 1	NE 3	NE	NE	14.8
21	59.04	57.30	24.2	29	NE 1	NE 3	NE	NE	4.1
22	59.17	57.40	26	29.8	NE 3	N 3	NE	N	-------
23	58.89	58.08	25.4	29.5	NE 1	N 1	NE	NE	-------
24	59.52	58.50	25.5	28	NE 1	NNW 3	NE	NE	.8
25	60.74	59.63	24.5	29.6	NE 1	E 3	NE	NE	-------
26	61.42	60.20	25	29.2	N 3	NE 3	NE	NE	-------
27	61.92	59.97	25	28.8	N 3	NNW 3	NE	NE	-------
28	61.57	60.30	25.4	29	NNW 3	NNW 3	NE	NE	-------
29	61.67	59.97	25.4	29.6	NNE 3	NE 3	NE	NE	.5
30	60.97	60.17	25	25.2	N 3	N 3	NE	NE	6.1
31	------	------	------	------	------	------	------	------	------
Mean	60.64	59.30	25	28.9	2.3	2.9	-------	-------	-------
Total	------	------	------	------	------	------	------	------	115.5

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	60.84	59.88	24.2	29.6	NE 2	N 3	NE	NE	1
2	60.04	58.98	25.2	29	N 3	N 3	NE	NE	-------
3	60.32	59.50	25.5	26.2	N 3	E 1	NE	NE	.3
4	60.09	58.53	25.2	29.6	N 3	NNW 3	NE	NE	-------
5	59.72	58.55	25.2	30.6	NW 3	N 3	NW	N	-------
6	58.99	57.40	25.5	28.5	NNW 3	E 3	NE	NE	-------
7	57.24	56.85	25.2	25.5	NNW 3	WNW 3	NW	W	-------
8	57.36	57.48	24.4	29.5	SW 3	S 3	SW	S	-------
9	58.76	57.20	24	30.4	Calm	SE 3	SE	SW	-------
10	58.41	56.83	23.5	27.5	Calm	SE 3	SW	NE	1.5
11	58.24	57.13	24	27.6	W 2	SE 3	SW	SE	-------
12	59.75	59.28	24.5	30.5	E 1	SE 3	NE	NE	1
13	61.12	59.35	24.4	29.8	E 3	NE 3	E	NE	-------
14	60.87	59.54	24	27.5	NE 2	N 3	NE	NE	19.6
15	61.12	59.85	24	29	NE 3	NE 3	NE	NE	2.3
16	61.19	60.67	24.5	28	NE 2	NNE 3	NE	NE	-------
17	62.04	60.80	25.4	29.5	NE 3	NE 3	NE	NE	-------
18	62.62	62.05	25	29.6	E 3	NE 3	NE	NE	-------
19	62.42	60.71	24	29	NE 2	E 3	NE	NE	14.7
20	62.07	61.58	23.6	28.5	NE 1	NE 3	NE	NE	-------
21	63.07	62.50	23.6	29.2	NE 1	NE 3	NE	NE	.3
22	63.37	61.97	23.8	30	E 3	E 3	NE	NE	1
23	62.79	62	24.6	30	N 3	E 3	NE	NE	-------
24	63.57	62.29	24.4	29.4	NE 1	NNE 3	NE	NE	.8
25	62.17	60.95	23.4	29.4	S 1	NE 3	NE	NE	-------
26	61.79	59.80	23.5	30	N 2	SE 3	NE	NE	.8
27	61.54	60.55	25	29.6	N 3	NE 3	NE	NE	1.3
28	61.52	59.87	23.8	29	NE 3	NE 3	NE	NE	-------
29	60.94	59.51	24.8	28.6	NNW 3	NNW 3	NE	NE	-------
30	60.47	59.20	23.8	29.6	E 1	NE 3	NE	NE	-------
31	60.74	58.83	23.6	30	Calm	SE 3	NE	NE	-------
Mean	60.81	59.67	24.4	29	2.1	2.9	-------	-------	-------
Total	------	------	------	------	------	------	------	------	44.6

[1] 27 days of observation.

SUMAY, GUAM (LADRONE ISLANDS).

[ϕ=13° 24′ N; λ=144° 38′ E; barometer above sea, 20.4 meters; gravity correction not applied, −1.76 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.30	56.88	25	28.4	ENE 3	E 2	------	------	2.5
2	59.10	56.95	25.6	29	ENE 1	E 3	------	------	------
3	59.87	58.77	25.4	26	ENE 1	ESE 3	------	------	7.7
4	60.83	59.30	25.4	28.6	ENE 1	E 4	------	------	------
5	60.07	58.75	26.4	27	E 2	E 3	------	------	19
6	61.28	58.75	25.4	28.4	ENE 1	E 3	------	------	------
7	61.20	58.85	24.8	28.4	Calm	E 3	------	------	------
8	61.18	59.25	25	28.6	E 3	E 4	------	------	------
9	59.35	56.35	25.4	26.2	E 3	E 4	------	------	1.3
10	58.12	56.20	25.4	24.6	E 2	ENE 4	------	------	8.9
11	57.40	56.65	25.4	28.4	ENE 3	E 3	------	------	3
12	59.07	57.50	25.4	28.6	E 1	E 3	------	------	------
13	59.60	58.23	25.4	28.8	E 2	E 3	------	------	1.3
14	60.60	58.83	25.2	28.6	ENE 1	E 3	------	------	------
15	59.05	57.30	26.6	29	E 2	E 3	------	------	2.5
16	58.10	56.88	25.2	28.4	ESE 2	ESE 4	------	------	------
17	59.77	58.38	25.6	29.2	E 1	E 3	------	------	------
18	60.65	58.68	26	28	E 1	E 4	------	------	------
19	60.07	58.95	25.6	28.4	E 1	E 4	------	------	------
20	60.07	58.88	25.6	29	E 1	E 3	------	------	2.5
21	60.40	59.28	25.4	28	ENE 1	E 4	------	------	2.5
22	59.27	57.32	25.4	25.6	E 3	E 2	------	------	8.9
23	57.75	55.83	25	28.4	ENE 3	E 4	------	------	------
24	57.05	55.88	25.6	28	ENE 1	ENE 4	------	------	------
25	58.07	56.83	25.6	29	E 2	E 3	------	------	------
26	58.60	57.13	25.4	28.4	E 2	E 4	------	------	------
27	58.20	57.25	25.6	28.4	E 2	E 4	------	------	------
28	58.27	56.85	24.2	27.2	SE 2	ESE 3	------	------	11.4
29	57.67	55.85	25.6	28.4	Calm	ESE 2	------	------	------
30	57.35	55.95	24.2	26.4	Calm	NW 3	------	------	7.6
31	57.97	57.05	26.2	27.6	ENE 4	ENE 5	------	------	------
Mean	59.20	57.60	25.4	28	1.7	3.4	------	------	------
Total	------	------	------	------	------	------	------	------	79.1

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.62	56.35	24.8	26	E 4	E 3	------	------	6.4
2	58.17	56.75	28.4	28	E 2	ENE 4	------	------	------
3	58.35	56.67	25.4	27.4	ENE 3	ENE 5	------	------	3.8
4	58.55	57.95	25	27.4	ENE 3	E 5	------	------	7.7
5	59.60	58.58	25	27.6	E 4	ENE 5	------	------	2.8
6	58.59	55.85	24	27.2	ENE 4	E 5	------	------	8.9
7	58.45	56 87	25	27	E 3	NE 5	------	------	------
8	57.70	55.65	25	27.8	E 2	ENE 5	------	------	------
9	57.70	56.47	25	26.8	ENE 3	ENE 6	------	------	11.4
10	59.12	57.85	26.4	27.4	ENE 5	ENE 7	------	------	------
11	60.47	59.12	26	26.6	ENE 6	ENE 7	------	------	------
12	58.02	56.70	25.4	26.4	ENE 5	ENE 6	------	------	47
13	58.87	57.15	26	26.4	ENE 4	ENE 5	------	------	76.2
14	59.37	59.15	24	24.2	E 7	EbyN 5	------	------	52.1
15	60.50	59.48	26	27.4	ENE 5	E 6	------	------	3
16	59.92	58.90	25.4	25.6	ENE 1	ENE 3	------	------	20.8
17	58.70	57.25	25	27.6	ENE 2	ENE 4	------	------	2.5
18	58.72	58.30	26.2	28.8	E 3	E 4	------	------	------
19	60.12	59.35	25.6	28.6	E 1	ESE 3	------	------	------
20	60.98	59.65	24.8	28.6	Calm	ENE 3	------	------	------
21	60.27	57.97	25	28	ENE 1	ENE 3	------	------	3.8
22	59.60	58.07	24	27.4	ENE 5	ENE 5	------	------	5
23	59.65	58.02	25	25.2	ENE 4	E 3	------	------	8.9
24	60.50	59.37	25.6	27	ENE 3	ENE 3	------	------	------
25	59.77	58.45	26.2	27	E 4	ENE 6	------	------	1.5
26	59.22	57.25	25.6	25.6	ENE 3	ENE 4	------	------	5.1
27	57.75	57.33	26	28.8	ENE 3	ENE 4	------	------	2
28	57.55	56	25.2	26.8	ENE 3	ENE 4	------	------	18.5
29	------	------	------	------	------	------	------	------	------
30	------	------	------	------	------	------	------	------	------
31	------	------	------	------	------	------	------	------	------
Mean	59.07	57.73	25.4	27.1	3.3	4.6	------	------	------
Total	------	------	------	------	------	------	------	------	287.4

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.22	56.05	26.4	27.4	ENE 2	E 3	------	------	29.2
2	56.72	55.42	26	28.6	SE 3	SE 3	------	------	43.6
3	56.37	54.40	25	28.6	SSE 2	SSE 5	------	SSE	7.6
4	55.25	53.17	26	27.8	ESE 4	ESE 5	------	------	7.6
5	54.55	54.28	26.6	29	SSE 5	SSE 4	------	SSE	4.6
6	56.70	56.13	26	27.2	SE 1	ESE 3	------	------	10.1
7	57.80	57.48	25.6	29	Calm	E 3	------	------	8.9
8	59.42	58.23	26.4	29	Calm	ENE 3	------	------	6.4
9	59.15	58.13	25.4	26.4	ENE 3	ENE 4	------	------	5.1
10	60.57	58.23	26	28	ENE 3	ENE 5	------	------	2.5
11	61.23	60.85	25.2	27.6	ENE 2	ENE 5	------	------	10.2
12	61.90	60.18	25.6	27.4	ENE 3	ENE 5	------	------	1.3
13	60.83	59.38	26	27.4	ENE 3	ENE 6	------	------	------
14	59.40	57.95	25	27.8	ENE 2	ENE 5	------	------	------
15	58.65	57.88	25.4	27.8	ENE 2	ENE 4	------	------	.8
16	59.42	57.98	25.8	27.6	ENE 2	ENE 5	------	------	------
17	59.35	58.18	26	27.8	ENE 2	ENE 5	------	------	------
18	59.55	57.63	25.4	28.6	ENE 3	ENE 3	------	------	------
19	59.10	57.68	25.8	27.6	ENE 1	E 3	------	------	11.4
20	59.10	57.78	25.6	27.8	ENE 2	ENE 4	------	------	------
21	59.45	57.93	25.6	27.4	ENE 3	ENE 4	------	------	------
22	60.55	58.95	25.8	28	ENE 2	ENE 4	------	------	1.3
23	59.70	57.55	25	27.6	ENE 3	ENE 4	------	------	5.1
24	59.22	57.55	24.8	27.6	ENE 2	ENE 4	------	------	2.5
25	59.77	58.38	25.8	28.4	Calm	ENE 4	------	------	------
26	60.78	59.05	25.8	27.8	ENE 1	ENE 4	------	------	2.5
27	60.63	59.05	25.6	28.6	ENE 2	ENE 3	------	------	------
28	59.45	58.78	24.8	29	Calm	SSW 2	------	------	------
29	60.53	59	26.4	28.4	E 1	ENE 4	------	------	2
30	59.92	58.45	25.4	28	ENE 1	ENE 3	------	------	5.1
31	58	56.43	25	28.8	Calm	ENE 3	------	------	------
Mean	59.04	57.68	25.7	28	1.9	3.9	------	------	------
Total	------	------	------	------	------	------	------	------	167.8

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.43	55.95	26.4	28.4	ENE 1	ESE 3	------	------	------
2	58.25	56.93	25.4	28.4	ENE 3	ENE 4	------	------	------
3	59.60	58.45	25.6	28	E 2	ENE 4	------	------	8.9
4	60.25	58.18	25.4	28.6	ENE 2	ENE 3	------	------	5.9
5	59.20	57.48	25.4	28	ENE 3	NE 3	------	------	------
6	58.28	57.93	25	28.6	Calm	NE 3	------	------	------
7	59	57.88	24.8	27.4	NE 1	E 3	------	------	1.3
8	58.80	57.15	25.4	28.8	ENE 2	E 3	------	------	------
9	58.62	57.60	25.6	28.6	ENE 2	ENE 3	------	------	------
10	58.35	56.63	26	29.2	ENE 3	ENE 4	------	------	2.5
11	58.05	56.75	26	29.4	ENE 3	ENE 4	------	------	------
12	58.95	57.78	26.4	29.6	ENE 2	E 4	------	------	------
13	58.98	57.30	26.6	29	E 4	E 4	------	------	------
14	58.42	56.50	26	29	ENE 4	ENE 5	------	------	------
15	57.97	56.13	26	29.4	ENE 2	E 4	------	------	------
16	58.92	57.35	26.6	28.2	ENE 4	ENE 4	------	------	------
17	58.87	57.33	26.4	29	ENE 3	ENE 4	------	------	------
18	58.07	57.18	26	29.6	ENE 3	ENE 4	------	------	------
19	59.07	57.53	26	28	ENE 3	ENE 5	------	------	------
20	60.47	59.55	26.4	29.4	ENE 3	ENE 4	------	------	------
21	61.23	59.83	26.4	29	ENE 3	ENE 4	------	------	------
22	60.95	59.20	26	28.8	ENE 2	ENE 4	------	------	------
23	59.57	58.33	26	29.2	ENE 2	ENE 3	------	------	------
24	60.30	58.93	26.2	29	ENE 3	ENE 4	------	------	------
25	60.25	58.53	25.4	29.8	ENE 2	ENE 3	------	------	------
26	60.52	58.95	26.4	29	ENE 1	ENE 3	------	------	------
27	58.68	57.95	26.4	27	ENE 2	NNE 2	------	------	3.8
28	57.57	56.65	26	29.2	ENE 1	NE 2	------	------	------
29	58.28	56.83	26.4	29.4	ENE 1	NE 3	------	------	------
30	58.12	56.80	26.4	29.6	ENE 1	NNE 2	------	------	------
31	------	------	------	------	------	------	------	------	------
Mean	59.03	57.65	26	28.8	2.3	3.5	------	------	------
Total	------	------	------	------	------	------	------	------	22.4

SUMAY, GUAM (LADRONE ISLANDS).

[$\phi = 13°\ 24'$ N; $\lambda = 144°\ 38'$ E; barometer above sea, 20.4 meters; gravity correction not applied, −1.76 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.45	56.78	26.6	28.4	Calm	ESE 1			
2	58.17	56.68	26.4	30.4	Calm	NNW 3			
3	58.67	57.73	26.4	29.4	E 1	W 1			19
4	60.45	58.88	26.4	30	Calm	NNW 1			
5	61.13	59.10	26	29	ESE 1	ENE 3			.8
6	60.63	59.30	26.6	29.2	Calm	ENE 2			
7	60.60	59.03	26.4	29.8	Calm	NE 1			
8	60.45	58.83	26.2	28.6	Calm	Calm			6.4
9	61.65	58.93	25	30.2	S 1	ESE 3			2.5
10	59.95	59.08	26.4	29.6	ENE 2	ENE 4			
11	59.78	58.40	26.4	29.6	ENE 3	ENE 4			
12	59.45	57.73	27	29.6	ENE 1	ESE 3			8.9
13	59.05	58.15	27	29.4	ENE 3	ENE 4			4.3
14	59.08	58.03	26.4	29.8	ENE 1	ENE 3			
15	58.65	57.70	26.8	30	ENE 3	ENE 3			
16	58.95	57.35	27	29	ENE 2	ENE 3			2.5
17	57.83	56.48	27.4	29.4	NNE 1	N 2			
18	57.45	56.38	26.8	29.6	Calm	SW 2			1.3
19	58.50	57.65	26.8	30.6	SW 1	SSW 3			
20	59.35	57.68	27.2	29	Calm	E 2			4.5
21	59.55	58.16	27	30.6	E 1	ENE 4			3
22	59.28	57.03	26.4	29.8	E 1	ENE 4			.8
23	58.65	56.63	27	30	ENE 3	E 4			
24	58.35	57.35	27.4	30.2	ENE 4	ENE 4			
25	59.28	58.13	26.4	29.8	ENE 2	ENE 3			
26	58.78	57.95	27	29.8	ENE 3	ESE 3			6.4
27	59.68	58.36	26.8	31	ESE 1	E 3			
28	59.10	57.78	26.4	27.8	ENE 2	ENE 3			8.9
29	58.38	57.35	26.6	29.4	ENE 3	E 4			
30	58.85	57.80	27	29.4	ENE 3	ENE 5			2
31	59.55	58.93	27.2	29	ENE 3	ENE 5			
Mean	59.28	57.91	26.7	29.6	1.5	2.9			
Total									71.3

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6. a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	61.45	58.73	27	29.4	ENE 1	ENE 3			
2	60.10	58.95	27	29.4	ENE 2	ENE 4			
3	59.65	58.85	27	28.4	ENE 3	ENE 5			2
4	59.28	57.45	26.4	28.6	ENE 3	ENE 4			
5	58.10	57.53	26.4	30.2	ENE 2	ENE 3			3.8
6	58.28	57.90	26.6	29.8	ENE 2	ENE 2			
7	58.15	57.18	27	30.6	Calm	NE 1			5.1
8	57.95	57.28	27	29.4	ENE 2	ENE 3			2.5
9	57.95	57.53	27.2	29.4	ENE 3	ENE 5			2.5
10	58.30	57.23	26.6	29	ENE 3	ENE 5			6.4
11	57.32	55.38	27.2	28.6	ENE 5	ENE 5			3.3
12	54.02	53.22	26.6	25	NNW 3	W 3			74.9
13	56.15	56.20	27.4	30.4	S 4	S 3			
14	29.45	58.50	27	29.4	ESE 1	SE 3			
15	59.73	59.28	27	29.6	SSE 3	SE 3			40.6
16	60.22	58.63	26.4	30	ESE 3	SE 3			
17	60.15	57.95	27	31	ENE 1	NE 3			
18	59.48	58.25	26.4	27.2	NE 3	S 1			10.2
19	59.75	58.30	26.8	29	ENE 1	ENE 3			1.3
20	59.22	58.08	25.2	28	ENE 1	ENE 3			1.3
21	59.95	58.50	27.4	30	ENE 1	NW 1			
22	60.53	59.30	27.4	27.8	Calm	SSE 1			5.1
23	60.63	58.70	25.4	28	SSE 1	WNW 1			2.1
24	59.95	58.20	26	30	Calm	ESE 3			3.8
25	58.55	57.55	26.8	29	SSE 1	SSE 2			7.7
26	58.95	57.73	26.6	27.8	ENE 2	E 4			27.9
27	58.28	58.63	27	27.4	E 4	SE 3			15.3
28	59.45	58.73	27	29.4	ENE 3	ESE 3			2
29	59.05	57.88	27	28.8	ENE 2	E 3			2.5
30	58.53	57.83	27	29.4	ENE 3	ESE 2			
Mean	58.95	57.85	26.8	29	2.1	2.9			
Total									220.3

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6. a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.75	57.50	27	29	ENE 3	ENE 4			2
2	59.25	58.58	27	29.6	ENE 3	ENE 4			3.8
3	59.27	57.78	26	29	ENE 1	ENE 3			
4	57.98	57.20	27.6	30	Calm	ENE 1			
5	57.60	56.75	27.2	29.8	Calm	SSW 4			
6	58.20	57.95	26.4	28.4	S 1	ESE 3			5
7	59.05	57.80	27	30	ESE 2	ESE 3			12.7
8	58.80	57.33	26	29.6	ESE 3	ESE 4			45.7
9	58.60	57.60	25.2	26.6	E 2	E 2			14
10	58.48	56.65	26.4	28.4	ESE 1	E 4			15.2
11	58.17	56.80	25.6	26.6	Calm	ENE 3			5
12	58.73	58.03	27	29	E 1	ENE 4			2
13	59.07	56.08	26.4	28.2	ENE 2	ENE 3			3.8
14	59.45	56.95	26	29.2	ENE 2	ENE 3			2.5
15	58.27	56.65	26.4	29	ENE 1	NE 3			1.3
16	56.67	55.13	26	29.2	ENE 3	ENE 5			
17	55.15	54	27.2	-----	ENE 4	ENE 6			11.5
18	53.90	52.68	27	-----	ENE 5	ENE 6			6.3
19	52.40	51.37	26	27.8	SW 1	SW 3			15.2
20	50.45	49.47	26.4	28.4	S 7	S 8			10.2
21	50.97	50.53	26	29.2	SSW 7	SSW 6			8.9
22	53.70	53.05	27	29.2	SW 5	SSW 4	SW		10.2
23	55.12	56.23	26.8	-----	SW 4	SW 3	SW		3.8
24	56.85	56.43	27.4	29.6	SW 1	SW 2			1.3
25	56.45	55.50	27	29.6	NNW 1	NE 3			1.3
26	56.35	55.43	26.8	29.6	ENE 3	E 4	ENE		10.2
27	57.65	57.13	27	29.4	S 1	ESE 3			.8
28	58.03	57.53	25.8	29.8	Calm	E 2			43.1
29	57.60	56.63	26.4	26.6	Calm	WSW 2			2.5
30	57.35	56.43	26	27	WSW 1	W 1			40.6
81	55.42	55.32	25.6	25.6	WNW 1	WSW 1			81.2
Mean	56.89	55.89	26.5	28.8	2.1	3.5			
Total									360.1

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6. a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	55.62	55.12	24.8	26.8	Calm	WSW 2			14
2	56.10	55.73	25	29	Calm	SW 3			
3	56.78	56.08	27	28.4	SW 3	SSW 4			3.8
4	57.13	56.55	26	29	WSW 2	SSW 3			1.3
5	57.45	56.05	27	29	SW 2	WSW 3			3.8
6	56.80	55.83	26.6	29	WSW 1	WSW 2			3.8
7	55.47	54.85	26.6	29.6	SW 2	SW 3			
8	55.47	54.50	27	29.4	SSW 3	SW 3			1.3
9	56.05	55.38	27	29.4	SW 3	SW 3			2.5
10	55.17	53.68	26.8	28.6	SW 3	SW 4			15.2
11	54.32	54.55	26	25.6	SW 3	SW 1			38.1
12	56.27	56.35	26.4	28	S 5	SW 4			3.8
13	58.25	57.73	26.8	29.8	SW 2	SW 3			
14	58.95	58.33	27.2	30	WSW 2	WNW 2			
15	57.43	56.73	27.4	29.8	WNW 3	NNE 1			
16	57.45	56.48	27.4	30	ENE 1	NW 2			
17	56.95	56.03	26.8	29.8	Calm	SSW 3			5.1
18	56.33	55.85	26	27.4	Calm	SE 1			10.2
19	56.55	56.63	26	26.8	Calm	SW 1			6.4
20	56.98	55.65	26	27.6	Calm	NE 2			59.7
21	54.62	51.22	23.8	25.8	ENE 3	SW 2			38.1
22	53.22	53.50	24.4	-----	S 2	SSW 3			38.1
23	54.25	53.80	25.6	27.4	WSW 4	WSW 4	SW		63.5
24	55.87	55.97	24.6	25	WSW 2	SW 5			31.8
25	56.42	56.05	26.4	28.4	SW 4	SW 3			26.7
26	57.50	56.92	24.4	27	SSE 2	SSE 2			24.1
27	58.47	57.75	25.4	28.6	S 1	SSW 1			3.8
28	59.47	58.23	25.4	29.4	Calm	NNW 2			
29	58.32	57.05	25	28.8	Calm	SW 1			36.8
30	59.15	57.97	23.6	26.4	SW 4	SSW 2			22.8
31	59.52	57.83	25.6	29	WSW 1	WSW 2			45.7
Mean	56.72	55.95	25.9	28.3	1.9	2.5			
Total									500.4

SUMAY, GUAM (LADRONE ISLANDS).

[$\phi = 13°\ 24'$ N; $\lambda = 144°\ 38'$ E; barometer above sea, 20.4 meters; gravity correction not applied, −1.76 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58.47	56.30	25.2	29.6	SW	1	WSW	3			26.7
2	55.20	54.95	24.6	29	SW	2	WSW	4			3.8
3	56.55	55.95	26	29	SSW	2	SSW	4			17.8
4	58.37	57.83	25	29	Calm		SSW	4			
5	59.35	57.63	25	29.6	Calm		ENE	4			3.8
6	57.68	56.23	26.2	29.4	ENE	3	ENE	4			17.8
7	57.25	56.15	25.4	27	Calm		N	1			6.3
8	56.88	55.58	27	28	Calm		SE	2			14.4
9	57.35	56.30	26.2	30	ENE	1	E	4			
10	57.38	56.45	27	28.4	ENE	4	ENE	4			5.1
11	57.22	55.47	26.4	27.6	ENE	2	NNE	3			1.5
12	55.67	54.50	25.6	29.6	S	1	S	4			11.4
13	56.25	54.40	25.4	29	E	4	ESE	5			6.3
14	56.28	55.10	25.8	28	ESE	1	ENE	4			21.6
15	56.50	55.65	25.4	27	Calm		S	1			167.6
16	56.67	54.70	24.8	26.4	Calm		NNE	4			11.5
17	55.30	53.90	26	28	N	4	WNW	2			5.1
18	56.18	56.10	25.4	26	S	1	SSW	3			7.7
19	58.33	57.55	26.2	25.6	Calm		SSW	1			29.2
20	59.13	57.13	26.4	29	ENE	3	ENE	5			12.7
21	56.57	54.92	24.6	27	E	4	E	5			53.3
22	56.42	55.85	25.4	29.6	S	2	SSE	4			12.7
23	57.57	56.68	25.2	27.4	S	1	ESE	2			5.1
24	57.85	56.30	25.4	29	E	1	ENE	4			
25	57.62	56.43	26	28.4	ENE	2	ENE	3			
26	57	56.23	27	29.6	ENE	4	ENE	3			
27	57.05	55.63	27	29.6	N	3	N	3			
28	57.55	55.78	26	29.8	Calm		WSW	2			
29	58.17	56.70	26	29.4	SW	1	W	2			2.5
30	58.58	56.53	26.8	29.4	ENE	2	ENE	4			
31											
Mean	57.25	55.96	25.8	28.5		1.6		3.3			
Total											443.9

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58.45	56.83	26.8	27.4	ENE	2	Calm				43.1
2	58.50	57.75	25.8	25.6	Calm		NNW	3			27.9
3	58.20	56.80	25	27	E	3	S	1			6.4
4	58	56.10	25	27.6	Calm		W	1			9.4
5	57.50	56.20	26.4	30	Calm		SE	2			3
6	58.25	57.03	26.2	29.4	E	1	NNE	2			
7	59.23	57.83	26.8	28	E	1	NNE	3			5.1
8	59.48	58.03	26.6	29.6	ENE	2	ENE	2			
9	59.38	57.80	27	28	ENE	1	ESE	2			11.4
10	58.12	56.13	26	28.6	ENE	4	ENE	5			53.3
11	55.32	54.27	25.4	26.6	E	5	SE	4			21.6
12	57.30	56.40	24.6	26.4	S	3	SE	3			6.3
13	58.65	56.80	27	30.4	SE	3	SSE	3			
14	59.25	57.85	26	28	Calm		S	1			10.2
15	58.88	57.45	26.8	29.6	ENE	2	E	3			
16	58.87	56.85	26.4	29.8	E	2	E	2			8.9
17	58.88	56.33	26.4	29	ENE	3	ENE	5			
18	58	55.40	26	28.8	ENE	4	NE	5			20.3
19	51.30	41.77	26	26	NNW	8	NW	10			78.7
20	51.30	52.47	24	28	S	8	S	5			58.4
21	56.95	56.88	26.6	30	S	5	S	5			2.5
22	59.95	58.80	27	29	SW	4	SSW	3			17.7
23	59.78	58.43	26.2	29.4	SW	2	SW	3			3.8
24	59.88	58.63	25	28	Calm		WSW	2			
25	59.78	58.33	26	29	Calm		NNW	1			1.3
26	59.85	59.53	26.4	29.6	Calm		NE	1			
27	60.55	59.15	26.2	26.4	ENE	1	NNE	3			8.9
28	60.88	58.85	26.4	29	ENE	3	ENE	4			
29	60.40	58.38	26.4	28.8	ENE	3	ENE	4			
30	58.42	56.53	26.4	28.8	ENE	3	ENE	5			
31	56.15	53.25	27.4	27.6	NE	5	NE	6			53.3
Mean	58.24	56.54	26.1	28.4		2.5		3.2			
Total											451.5

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	48.90	51.72	25.6	27.4	ESE	8	SSE	6			
2	56.18	55.38	26.8	28	SSE	3	SSE	3			8.9
3	56.88	55.30	26.6	29.4	S	1	S	3			
4	56.77	55.05	26	28.4	S	1	N	1			
5		54.27		27			NW	4			8.9
6	54.50	55.07	26.4	28.2	W	3	SW	4			1.3
7	55.25	54.60	25.4	25.6	SW	4	SSW	2			3.8
8	57.35	55.63	26	29.4	Calm		NE	1			
9	62.43	60.33	26.4	29	ENE	1	NE	1			
10	61.78	60.03	25.2	28.2	Calm		NE	4			
11	61.53	59.28	26.8	28.4	ENE	3	ENE	5			
12	61.18	59.18	26.8	28.6	ENE	4	ENE	5			
13	60.10	58.35	25.8	28.2	ENE	3	ENE	5			1.3
14	59.60	58.03	26	28.6	ENE	3	ENE	4			
15	59.72	58.33	26	29	ENE	3	ENE	5			
16	60.17	58.48	26.4	28.8	ENE	3	ENE	5			2.5
17	59.80	57.85	25.6	28.6	ENE	2	ENE	5			7.6
18	59.67	58.33	25.4	29	ENE	3	ENE	5			6.4
19	59.52	58.23	26	28.6	ENE	2	ENE	5			8.9
20	58.07	56.63	25.6	28	ENE	3	ESE	3			5
21	57.67	56.45	25.4	25.4	Calm		S	2			1.3
22	57.80	56.95	25	26	Calm		S	2			19
23	58.60	57.23	26	29	Calm		E	2			
24	59.45	57.55	26	28.4	ENE	2	ENE	4			
25	59.40	58.10	26	27.4	ENE	3	ENE	4			2.5
26	59.97	57.93	26	28.2	ENE	2	ENE	4			7.6
27	58.97	57.25	25.4	28	ENE	4	ENE	6			5.1
28	59.28	57.88	26	28	ENE	4	ENE	6			
29	60.07	58.08	26	28	ENE	4	ENE	5			1.3
30	59.22	58.05	26	27.4	ENE	3	ENE	5			5.9
31											
Mean	58.61	57.18	26	28.1		2.5		3.9			
Total											97.3

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.40	58.05	26	28.4	ENE	2	ENE	4			1.3
2	58.42	56.55	26	28.6	ENE	3	ENE	4			1.3
3	57.47	56.33	26	28	ENE	3	ENE	4			
4	56.27	54	26.6	26.8	ENE	6	ENE	7		ENE	6.3
5	56.20	56.38	26.4	28	ESE	5	ESE	4	ESE		2.5
6	58.45	57.53	26	28	E	4	ESE	4			3.8
7	60	58.25	26.2	28.8	ENE	2	ENE	4			
8	60.60	58.55	25.4	28	ENE	3	ENE	5			
9	59.42	57.63	26	28.2	ENE	2	ENE	4			8.9
10	59.67	56.95	26	28.2	ENE	2	ENE	4			1.3
11	58.77	57.25	25.4	28.6	ENE	3	E	3			2.5
12	60.62	58.85	24	27.6	ENE	4	ENE	4			6.4
13	60.22	58.73	25.6	28	ENE	3	ENE	5			1.3
14	61.05	58.13	25.8	28.4	ENE	2	ENE	4			2.5
15	60.70	59.25	25.2	28	ENE	3	ENE	4			1.3
16	60.68	59.35	26	28	ENE	4	ENE	6			
17	60.52	59.55	26	28	ENE	4	ENE	6			3.8
18	62.08	59.88	26	27.6	ENE	4	ENE	6			
19	61.88	59.98	25.4	27.6	ENE	4	ENE	6			
20	62.10	60.60	25.6	28	ENE	3	ENE	4			2.5
21	62.50	61.23	25.8	28	ENE	4	ENE	6			1.3
22	62.58	60.93	25	28	E	5	ENE	6			1.3
23	61.85	60.30	25.6	27	ENE	5	E	4			
24	62.50	60	25.4	27	ENE	4	ENE	6			
25	60.98	59.27	25	28	ENE	3	ENE	6			
26	60.82	59.07	25	28	ENE	4	ENE	6			
27	60.50	59.02	25.4	27	ENE	4	ENE	6			
28	60.93	58.43	25	27.4	ENE	3	ENE	6			
29	60.82	58.95	24.4	27	ENE	3	ENE	6			
30	60.70	58.95	25	27.4	ENE	3	E	5			
31	61.18	59.20	25	25.4	ENE	3	ENE	3			2.5
Mean	60.32	58.62	25.6	27.8		3.5		4.9			
Total											50.8

CALAPAN.

[$\phi = 13° 25'$ N; $\lambda = 121° 11'$ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.76 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	62.12	60.98	22	28.2	Calm	NE 1	E	NE	0.8
2	61.60	59.75	22.3	27.7	Calm	NE 1	E	------	------
3	62.26	60.93	21.4	28.4	Calm	Calm	E	------	.6
4	62.46	61.13	21.9	27.1	Calm	NE 1	E	NE	19.7
5	62.70	60.11	23	28.7	Calm	NE 1	E	------	2.5
6	61.89	60.55	25	27.5	Calm	NE 1	E	NE	2.5
7	62.92	60.58	24	26	NE 1	NE 2	E	NE	3.5
8	63.47	60.73	24.2	25.5	Calm	Calm	E	NE	3.3
9	60.97	58.32	22.7	27.5	Calm	NE 1	E	NE	.3
10	58.89	56.75	22.5	28.7	Calm	NE 1	E	NE	------
11	58.94	56.65	21.8	28.6	Calm	NE 1	NE	------	10.7
12	58.90	58.52	23.1	28	Calm	NE 1	NE	NE	.5
13	60.31	60.06	24	28	NE 1	Calm	E	NE	------
14	61.27	59.03	24	29	Calm	NE 1	E	NE	------
15	60.32	58.23	22.6	28.2	Calm	NE 1	E	NE	------
16	60.37	59.40	24.5	28	NE 1	NE 1	E	NE	------
17	60.51	58.67	22	28.2	Calm	NE 1	E	------	------
18	60.78	58.90	20.4	28.3	Calm	Calm	NE	NE	------
19	60.72	59.50	21	27.7	Calm	NE 2	NE	SE	------
20	61.01	59.83	23	28.2	Calm	NNE 1	NE	E	6.4
21	61.20	59.15	23.4	28	Calm	NE 1	NE	SE	------
22	61.35	59.05	23.2	28.1	Calm	NE 1	NE	SE	------
23	60.02	57.84	24.5	28.2	NE 1	Calm	NE	E	2.5
24	58.64	57.24	23.4	27	Calm	NE 1	NE	E	11.2
25	59.72	57.83	24	26.7	E 1	NE 2	NE	E	------
26	58.99	57.21	22.7	27.7	Calm	NE 1	NE	E	.8
27	58.19	56.11	21.6	29	Calm	NE 1	NE	E	------
28	57.40	56.39	22.4	29	Calm	E 1	NE	SE	------
29	58.33	56.45	23.2	28	Calm	NE 1	E	SE	------
30	58.29	56.80	24.4	29.3	Calm	NE 1	E	SE	------
31	58.82	56.89	23.1	28.6	Calm	NE 1	E	------	------
Mean	60.43	58.70	22.9	28	0.2	0.9	------	------	------
Total	------	------	------	------	------	------	------	------	65.3

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.25	56.90	21.5	29.7	Calm	E 1	SE	------	------
2	59.66	58.55	19.5	29.7	Calm	NE 1	SE	------	------
3	60.27	59.15	21.2	29.6	Calm	NE 1	NE	------	0.5
4	61.31	59.90	21.8	28.4	Calm	Calm	NE	NE	.5
5	62.24	60.53	23.2	28.8	Calm	NE 1	NE	NE	------
6	60.42	58.96	22.6	27	Calm	NE 2	NE	E	13.5
7	60.30	59.84	24.5	27.1	NNE 3	NE 1	NE	E	.8
8	61.06	59.51	23.7	26.7	NNE 3	Calm	NE	E	7.9
9	61.11	60.09	22.5	27.3	Calm	NE 2	NE	E	6.4
10	63.17?	62.04	23.5	26.5	Calm	E 2	NE	NE	3.1
11	62.65	61.73	24.2	24.5	Calm	Calm	NE	NE	13.5
12	62.94	60.75?	24.8	26.5	Calm	Calm	NE	NE	13.5
13	62.50	61.58	22.6	27.8	Calm	Calm	E	E	15.2
14	62	60.04	22.2	28.3	Calm	NE 1	E	NE	.5
15	60.78	59	23.1	28.5	Calm	E 1	E	NE	------
16	60.42	58.40	23.4	28	Calm	SE 1	NE	E	------
17	59.41	58.33	24	29.2	Calm	NE 1	NE	E	3
18	59.44	59.16	23.5	25.3	Calm	Calm	NE	NE	11.4
19	61.79	61.74	24.8	26	NE 2	NE 4	NE	E	.8
20	64.37?	62.43	24	25.3	NE 2	NE 2	NE	NE	1.3
21	63.46	61.55	24.4	25.5	NE 1	NE 1	NE	E	.9
22	61.57	59.61	22.2	27.2	Calm	NE 1	E	E	------
23	61.81	59.68	21.2	28	Calm	NE 1	NE	------	------
24	63.01	61.69	21.4	27.1	Calm	NE 1	NE	E	------
25	62.81	60.60	22	26.8	Calm	NW 1	NE	NE	2.8
26	61.12	59.22	21.7	25.8	Calm	Calm	NE	E	1.8
27	61.20	58.89	22.8	27.2	Calm	Calm	NE	E	------
28	60.36	58.83	21	28.7	Calm	NE 1	NE	E	------
29	------	------	------	------	------	------	------	------	------
30	------	------	------	------	------	------	------	------	------
31	------	------	------	------	------	------	------	------	------
Mean	61.41	59.95	22.8	27.4	0.4	1	------	------	------
Total	------	------	------	------	------	------	------	------	97.4

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	61.06	60.18	20.5	27.8	Calm	NW 1	E	SSE	------
2	60.85	60	21.5	26.1	Calm	Calm	NW	E	------
3	60.64	59.85	22.7	25.7	Calm	Calm	E	E	3.1
4	61.09	59.67	21.5	27.5	Calm	NE 2	E	SW	------
5	61.59	60.44	21.8	26.9	Calm	NE 1	E	NE	------
6	61.05	59.41	19.4	28	Calm	NE 2	SE	E	------
7	60.73	59.52	19.5	28.9	Calm	NE 1	NE	SE	------
8	60.87	59.09	19	28.7	Calm	NE 2	NE	------	------
9	60.77	59.26	21.9	29	Calm	NE 1	NE	S	------
10	59.80	58.47	19.5	28.5	Calm	NE 1	NE	SE	.3
11	59.65	58.48	21.3	29.5	Calm	NE 1	W	NE	6.1
12	59.99	59.83	24	26	Calm	NE 2	NE	E	------
13	61.79	59.79	25.2	28.2	Calm	NE 1	NE	SE	11.2
14	60.89	59.17	23.6	29.8	Calm	NE 1	NE	SE	6.8
15	59.90	57.99	22.8	29	Calm	NE 1	NE	------	1.5
16	59.57	58.44	22.5	29	Calm	NE 1	NE	SE	------
17	59.84	58.69	23	29.8	Calm	NE 1	NE	SE	.8
18	59.76	58.40	23	30.5	Calm	NE 1	NE	NE	------
19	60.24	59.07	23	30.1	Calm	NE 1	NE	E	------
20	61.36	60.67	23.8	26.2	Calm	NE 1	NE	NE	------
21	61.26	59.93	23	28.7	Calm	NE 1	E	SE	10.2
22	61.53	60.22	25	29	Calm	NE 1	NE	SE	------
23	61.95	60.14	21.5	30	Calm	NE 1	NE	SE	------
24	61.70	60.12	23.6	29.6	Calm	NE 1	NE	SE	------
25	61.70	59.70	23.4	29.5	Calm	E 1	NE	SE	------
26	62.49	61.52	24.5	27.5	Calm	Calm	NE	NE	2.2
27	62.81	61.66	23.3	27.4	Calm	NE 2	NE	E	19.3
28	62.28	61.20	23.6	28.7	Calm	NE 2	NE	NE	------
29	62.17	61.57	26.6	29.6	NE 3	NE 2	NE	E	4.4
30	62.17	60.76	------	------	NE 2	NE 2	E	SE	.8
31	60.86	59.05	23.5	29.5	Calm	NE 1	NE	NE	------
Mean	61.04	59.75	22.6	28.5	0.2	1.2	------	------	------
Total	------	------	------	------	------	------	------	------	66.7

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.50	57.89	24.3	29.4	Calm	NE 1	NE	E	------
2	59.59	58.84	23.3	29.8	Calm	E 2	NE	E	------
3	59.91	59.02	23	28	Calm	NE 1	NE	NE	39
4	59.96	58.66	24.2	28.8	Calm	NE 1	E	SE	6.4
5	60.94?	58.82	23.2	28.3	Calm	NE 2	E	E	------
6	59.99	59.38	24.5	29.3	Calm	Calm	E	E	3.1
7	60.04	58.56	22.8	28.5	Calm	Calm	E	E	------
8	60.01	57.43	26	29.4	Calm	E 1	NE	NE	------
9	57.99	56.18	26	29.5	Calm	NE 1	E	E	1.5
10	57.86	57.04	24.5	28	Calm	Calm	E	SE	2
11	57.48	55.93	24.3	29.5	Calm	E 1	E	E	------
12	58.49	56.74	24.8	29.5	Calm	E 2	E	SE	------
13	59.44	58.34	26.7	30	Calm	Calm	E	SE	2.8
14	59.39	56.99	24.2	30.6	Calm	E 1	E	------	------
15	57.90	56.44	22	31.2	Calm	Calm	E	E	------
16	58.99	56.77	24.3	30	Calm	Calm	E	SE	------
17	59.37	57.08	22.8	30	Calm	E 1	NE	SE	------
18	58.98	57.32	24	30.6	Calm	Calm	E	E	------
19	59.74	58.27	24	30.5	Calm	Calm	NE	E	24.4
20	61.16	59.17	24.2	29.8	Calm	E 1	NE	E	45
21	61.63	60.08	26	30	Calm	NE 1	NE	NE	8.5
22	60.80	58.42	24.7	26.6	Calm	Calm	NE	NE	51.3
23	54.97	54.43	23	23.5	NW 2	Calm	NW	NW	56.1
24	57.96	56.91	24	29.1	Calm	Calm	E	SE	.3
25	59.04	58.14	24.1	27	Calm	Calm	E	SW	3.9
26	59.89	58.65	25	25.2	Calm	Calm	E	SE	2.3
27	58.88	57.40	24	26.7	Calm	Calm	NE	SE	5.1
28	57.93	56.84	23.6	29.5	Calm	NW 2	W	W	------
29	58.57	57.49	23.2	29	Calm	Calm	SE	NW	------
30	58.94	58.64	23.7	29.1	Calm	Calm	SE	S	------
31	------	------	------	------	------	------	------	------	------
Mean	59.18	57.73	24.1	28.9	0.1	0.6	------	------	------
Total	------	------	------	------	------	------	------	------	251.7

The barometric readings of this station seem to be too high by about 0.50 mm.
Beginning with February 24, the height of the barometer above sea level is 7 meters.

CALAPAN.

[ϕ=13° 25′ N; λ= 121° 11′ E; barometer above sea, 7 meters; gravity correction not applied, −1.76 mm.]

MAY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.66	58.69	24.5	28	Calm	Calm	NE	SE	0.8
2	59.51	57.70	24.3	30.5	Calm	NE 1	NE	NE	5.1
3	58.91	57.87	24.6	29.6	Calm	SE 1	NE	NE	3.9
4	59.48	58.83	25	29.1	Calm	NE 1	NE	SE	49.3
5	61.46	58.98	23.4	29.1	Calm	NE 1	NE	NE	13
6	60.41	58.26	24.2	30.4	Calm	Calm	SE	NE	8.4
7	59.50	58.10	24	29.2	Calm	Calm	SE	NE	-------
8	59.64	57.97	24.8	29.3	Calm	Calm	SE	NE	-------
9	59.60	58.34	24.5	28.5	Calm	Calm	-------	S	-------
10	59.55	58.23	22.7	30	Calm	Calm	SE	NE	-------
11	59.23	57.36	24.2	31.1	Calm	NE 1	SE	-------	7.9
12	59.31	57.07	24.5	30.8	Calm	NE 1	E	SE	7.1
13	59.59	57.39	24.8	30.1	Calm	NE 1	NE	SE	.3
14	58.26	56.88	24.6	29.5	Calm	E 1	NE	SE	1
15	58.30	56.94	23.7	30.6	Calm	Calm	NE	NW	8.2
16	59.35	57.62	24.5	27.8	Calm	Calm	NE	E	27.7
17	58.67	56.76	25.3	31.1	Calm	Calm	SE	NE	-------
18	57.72	55.84	23.4	30.6	Calm	E 1	NE	NW	-------
19	57.76	56.12	22.4	30.6	Calm	SE 1	NE	SSW	-------
20	57.96	57.08	23.2	29.8	Calm	E 1	SE	S	13.5
21	58.37	56.13	23.4	31	Calm	Calm	E	E	-------
22	57.82	56.07	24.3	31.8	Calm	NE 1	NE	SE	-------
23	57.96	55.96	25.5	31.1	Calm	E 1	NE	E	-------
24	57.18	55.68	25.5	31.5	Calm	E 2	SW	SW	-------
25	57.76	56.82	24.5	31	Calm	E 1	-------	SE	-------
26	58.26	57.17	24.6	32	Calm	Calm	NE	SW	-------
27	58.72	57.17	24.9	32.2	Calm	Calm	NE	SE	-------
28	58.63	56.22	25.5	32.1	Calm	E 1	NE	SW	-------
29	57.83	56.21	25.4	32	Calm	Calm	-------	SW	-------
30	57.71	56.30	24.5	31.7	Calm	NW 2	-------	S	.5
31	57.81	57.82	25	31.2	Calm	Calm	NE	E	11.4
Mean	58.77	57.21	24.4	30.4	0	0.6	-------	-------	-------
Total	------	------	------	------	------	------	------	------	158.1

JUNE.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.96	58.24	24.7	28.4	Calm	Calm	E	SE	2.3
2	59.81	59.17	24.4	30	Calm	E 2	E	SE	.3
3	59.89	58.76	25	31.3	Calm	Calm	E	SE	.5
4	59.80	58.60	23.7	31.5	Calm	E 1	E	E	.5
5	59.74	57.82	25.5	30.6	Calm	E 1	E	E	13.2
6	59.14	57.43	25	31.6	Calm	Calm	E	E	117.6
7	58.87	57.19	23.9	31.2	Calm	Calm	E	SE	5.1
8	58.41	56.84	24.5	31	Calm	Calm	E	E	49.3
9	58.71	58.13	25.4	31.8	Calm	E 1	E	SE	1.5
10	59.86	58.85	25.8	31.6	Calm	E 1	NE	E	.9
11	59.33	58.57	28	29.5	Calm	E 1	E	NE	1.1
12	58.81	57.35	24.4	31.1	Calm	E 1	E	SE	28.4
13	58.40	58.57	24.3	26.5	Calm	Calm	E	SW	.5
14	59.80	58.32	23.3	29.5	Calm	NW 3	E	NNW	-------
15	59.73	57.96	24.5	30	Calm	NW 3	W	SW	-------
16	57.94	56.22	26	30.2	Calm	NW 3	SW	W	-------
17	55.90	54.92	27.2	27.5	Calm	NW 3	W	SW	1
18	55.71	54.40	24.5	28.7	Calm	Calm	SW	SW	4.6
19	56.11	56.03	24	27.4	Calm	Calm	SW	SW	9.4
20	57.12	56.60	23.7	27.5	Calm	Calm	SW	SW	.5
21	59.08	58.59	23.9	29.5	Calm	Calm	W	SW	-------
22	60.71	59.53	25.5	31	Calm	NE 1	SW	S	-------
23	61	59.26	25.1	29.7	Calm	NW 2	-------	SW	-------
24	59.43	57.43	24.5	30	Calm	NW 2	-------	SW	-------
25	57.71	56.18	25.2	29.4	Calm	NW 3	-------	W	-------
26	57.87	55.78	25.5	31	Calm	NW 3	-------	SW	-------
27	57.18	56.43	25.3	30.1	Calm	E 1	SW	SW	-------
28	57.91	56.93	26.7	30.1	Calm	NW 2	NW	SW	-------
29	57.73	56.29	24	30.2	Calm	NW 3	W	SW	-------
30	55.96	54.32	26.5	28.6	NW 2	NW 2	W	S	8.9
31	------	------	------	------	------	------	------	------	------
Mean	58.55	57.36	25	29.9	0.1	1.3	-------	-------	-------
Total	------	------	------	------	------	------	------	------	245.6

JULY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	54.55	52.15	23.8	27.1	Calm	W 3	NW	SW	40.7
2	55.07	55.83	23.1	27.7	Calm	Calm	SW	WSW	4.6
3	58.48	57.44	24	30.7	Calm	Calm	SW	W	4.3
4	59.16	58.27	23.2	29.5	Calm	Calm	SW	NE	.8
5	59.48	57.92	25 ?	29.8	Calm	Calm	W	E	-------
6	59.36	57.77	25.5?	30.5	Calm	Calm	NE	ENE	-------
7	58.96	57.27	25.8	30.3	Calm	Calm	NE	NE	10.9
8	58.77	56.79	24.8	31.5	Calm	Calm	SW	W	.3
9	58.52	57.35	25.5?	30.6	Calm	NW 1	NE	SW	-------
10	58.42	57.64	23.8	30	Calm	NW 2	-------	SW	-------
11	58.97	57.29	23.4	29.5	Calm	NW 1	SW	S	-------
12	59.21	57.26	24.2	29.5	Calm	NW 3	NE	N	2
13	57.11	55.32	25.1	28.6	Calm	NW 5	NE	N	19.3
14	53.83	51.74	23.7	24.5	Calm	NW 7	SW	SW	28.4
15	52.79	52.51	24.7	26.7	W 1	W 1	W	SW	9.7
16	55.10	53.32	25	30.8	Calm	W 3	W	SW	5.6
17	55.37	55.26	26.4	31.4	NE 1	NE 1	W	W	-------
18	56.43	55.09	25.3?	27.3	NW 1	NW 3	NW	SW	1.6
19	56.23	55.08	23.8	28	Calm	Calm	NW	SW	.5
20	55.90	55.62	23.7	29.8	Calm	Calm	W	NW	3.8
21	55.68	54.82	23	28	Calm	Calm	W	SW	1.3
22	54.23	54.19	24.2	24.5	Calm	Calm	W	SW	84.6
23	53.68	53.43	23.3	24.8	Calm	Calm	W	SW	37
24	53.36	52.94	23.7	27.6	Calm	Calm	W	SW	10.7
25	53.25	52.27	23.6	31.6	Calm	E 1	SW	W	.5
26	54.29	53.92	24.3	29.7	Calm	SE 1	SW	SW	.8
27	56.85	57.13	24.5	26	Calm	NW 1	SW	W	5.9
28	57.76	56.65	23.3	29.5	Calm	Calm	NE	NE	-------
29	57.04	56.09	23.5	28.8	Calm	NW 2	NW	SW	-------
30	56.61	55.49	22.7	28.2	Calm	NW 2	NW	W	.8
31	55.53	54.42	23.1	29	Calm	Calm	W	SW	2.3
Mean	56.45	55.43	24.2	28.8	0.1	1.2	-------	-------	-------
Total	------	------	------	------	------	------	------	------	276.4

AUGUST.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	54.35	------	24	-----	Calm	----------	W	-------	-------
2	------	------	------	------	------	----------	------	-------	5.7
3	55.76	55.27	24	29.5	Calm	Calm	SW	SW	1.3
4	56.51	55.37	24.5	30.4	Calm	NE 1	NE	SW	-------
5	56.63	56.16	23.2	30.5	Calm	Calm	NE	SW	-------
6	57.51	56.58	23.2	31.2	Calm	NW 2	NW	W	-------
7	57.66	56.59	22.5	29.2	Calm	NW 4	SW	NW	-------
8	56.52	54.78	22.8	30.3	Calm	NW 3	NE	W	-------
9	54.93	52.94	22.9	31.2	Calm	NW 1	W	W	-------
10	53.56	53	24.5	31.8	Calm	W 1	W	W	-------
11	53.83	54.31	23.6	30.5	Calm	Calm	W	W	3
12	55.36	54.96	23.5	27.2	Calm	Calm	W	W	4.6
13	55.40	54.81	24.2	26.2	Calm	Calm	W	NE	35.8
14	55.66	54.78	23.8	30.3	Calm	Calm	W	W	21.6
15	57.72	57.14	24.1	29.7	Calm	Calm	SW	W	.3
16	59.08	57.81	23	30.3	Calm	Calm	NW	NNW	-------
17	58.58	57.29	22.7	30.4	Calm	Calm	E	W	-------
18	56.43	55.81	22.5	27.9	Calm	Calm	NE	W	1
19	55.91	55.82	23.5	30	Calm	Calm	NE	W	-------
20	56.91	55.69	24.7	30.2	Calm	NW 1	W	W	-------
21	57.41	56.23	23	29.5	Calm	NW 1	W	W	-------
22	57.08	55.54	25.5?	30.2	Calm	NW 1	W	W	1
23	56.53	55.72	23.3	29	Calm	NW 1	NE	NNE	-------
24	55.96	54.63	22.7	27.8	Calm	NW 4	NW	W	-------
25	53.65	51.94	25.7	28.1	WNW 5	WNW 5	W	W	-------
26	53.20	53.63	25.6	31.8	Calm	Calm	W	SW	-------
27	55.46	55.08	25.5	30	Calm	Calm	W	W	-------
28	57.91	56.98	25	31.2	Calm	NE 1	NE	E	-------
29	57.31	55.27?	24.9	33.5	Calm	Calm	W	W	-------
30	55.89	54.99	25.4	33	Calm	WNW 2	W	W	-------
31	55.96	54.95	26	32	Calm	ENE 1	W	W	-------
Mean	56.16	55.31	24	30.1	0.2	1	-------	-------	-------
Total	------	------	------	------	------	------	------	------	[a]74.3

[a] 30 days of observation.

CALAPAN.

[$\phi = 13° 25'$ N; $\lambda = 121° 11'$ E; barometer above sea, 7 meters; gravity correction not applied, —1.76 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.07	56.20	23.7	33.8	Calm	Calm	W	SE	-------
2	58.48	57.03	23.9	30.8	Calm	NW 1	NE	W	-------
3	58.17	56.50	24	31.2	Calm	NW 3	------	W	-------
4	58.61	57.27	24.1	31.1	Calm	NW 2	NE	W	-------
5	58.18	57.28	24.1	29.8	Calm	NW 1	W	W	-------
6	58.40	57.08	23.9	31	Calm	NW 2	------	NW	-------
7	58.93	57.55	23.8	30	Calm	NW 1	NW	W	6.1
8	58.66	57.02	23.5	31.1	Calm	E 1	E	NE	2
9	57.96	56.60	26.2	31.5	Calm	E 1	E	E	1.5
10	58.67	57.84	25	30	Calm	NE 1	E	E	-------
11	59.01	58.43	24.5	28.8	Calm	Calm	E	NE	-------
12	59.06	57.08	24.5	29.8	Calm	NE 1	E	E	37.8
13	58.36	55.85	24	31.5	Calm	E 1	E	E	-------
14	57.27	55.75	23.8	30.7	Calm	E 1	E	E	-------
15	56.61	54.49	23.5	29.2	Calm	NW 3	WSW	E	-------
16	54.98	53.95	23.8	31	Calm	NW 4	SW	SW	-------
17	55.16	54.48	23.5	29.4	Calm	Calm	SW	SW	38.1
18	55.86	55.01	23.8	26.2	Calm	Calm	NW	SE	13.2
19	55.91	55.34	23.7	27.3	Calm	Calm	NE	SW	12.5
20	58.16	57.26	24	28.5	Calm	Calm	SW	SW	.5
21	58.40	56.89	25.2	30	Calm	NW 1	SW	W	5.6
22	56.75	55.66	23.6	29.5	Calm	Calm	N	NE	3.5
23	57.55	56.19	24	29.7	Calm	NE 1	WSW	------	-------
24	58.81	57.18	24.2	30.3	Calm	Calm	NW	E	-------
25	58.22	56.12	23	30.2	Calm	Calm	W	NW	-------
26	55.06	52.99	27.5?	29.5	NW 2	NW 4	W	W	.5
27	52.17	50.58	25.3	26.9	Calm	Calm	W	W	9.6
28	53.77	53.60	24.1	29.7	Calm	Calm	SW	W	42.5
29	56.61	56.20	23.7	24.8	Calm	Calm	W	SW	10.6
30	56.86	56.01	23	30.1	Calm	Calm	S	SW	1.1
31	------	------	------	------	------	------	------	------	------
Mean	57.26	55.98	24.2	29.8	0.1	1	------	------	------
Total	------	------	------	------	------	------	------	------	185.2

OCTOBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.83	56.60	23.5	30.3	Calm	Calm	W	SW	-------
2	59.99	58.92	22.5	30.3	Calm	Calm	------	SW	-------
3	60.66	59.05	23.2	31.6	Calm	Calm	SE	------	-------
4	59.64	57.86	24.2	31.2	Calm	Calm	SE	------	-------
5	59.26	57.67	23.1	30.2	Calm	Calm	NE	NE	-------
6	59.18	58.21	23.7	30.1	Calm	Calm	NE	NE	-------
7	59.71	58.87	22.7	30.9	Calm	NE 1	SE	------	-------
8	60.88	59.36	23.5	31	Calm	Calm	NE	------	-------
9	61.58	60.09	23.8	30	Calm	NE 1	NE	NE	11.7
10	60.70	59.25	25.4	30.7	Calm	NE 1	NE	NE	7.6
11	59.99	58.52	24.1	30	Calm	Calm	NE	NE	.5
12	59.59	57.90	23.7	32	Calm	Calm	NE	E	1
13	59.84	57.86	24.5	29.4	Calm	Calm	NE	NE	1.8
14	59.76	57.84	23.6	31.5	Calm	Calm	NE	NE	18
15	59.73	57.96	24.4	29.5	Calm	Calm	NE	NE	39.1
16	60.04	58.01	24.4	28.1	Calm	NE 1	NE	NE	1.5
17	60.47	58.41	22.3	29.8	Calm	NE 2	E	E	1
18	61.12	60.04	25.1	29.1	NE 2	NE 1	NE	E	12.7
19	61.02	59.53	26.5?	28.4	E 1	NE 4	NE	E	7.4
20	60.51	58.86	23.9	29.8	Calm	Calm	NE	NE	6.4
21	61.31	60.15	23.5	27.5	Calm	E 2	NE	NE	3.3
22	61.59	60.98	22	29.7	Calm	Calm	NE	NE	2
23	62.41	60.37	22.4	28	Calm	Calm	SE	NE	-------
24	62.04	60.58	22	29.3	Calm	E 1	SE	NE	6.9
25	62.03	60.54	23.5	29.2	Calm	E 1	SE	------	-------
26	62.02	60.59	22.6	30	Calm	Calm	E	------	2.5
27	62.78	60.62	23.7	29.4	Calm	SE 1	NE	NE	-------
28	62.91	61.17	21.5	30.5	Calm	Calm	NE	------	2.3
29	62.49	60.96	24.5	28.7	Calm	NE 2	E	E	13.2
30	62.40	60.94	25.5	29	Calm	Calm	NE	NE	7.1
31	61.68	59.57	24.5	29.7	Calm	Calm	ENE	E	.3
Mean	60.81	59.27	23.7	29.8	0.1	0.6	------	------	------
Total	------	------	------	------	------	------	------	------	146.3

NOVEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	61.38	59.32	23.9	30.1	Calm	NE 1	NE	NE	-------
2	61.50	59.68	21.8	30	Calm	E 1	NE	NE	3.3
3	61.45	59.62	24	28.5	Calm	E 2	NE	NE	.3
4	60.98	58.88	25.4	28	NE 1	NE 2	NE	NE	-------
5	59.34	57.04	21	29.8	Calm	E 1	NNE	NE	-------
6	57.67	56.37	20.5	29.4	NW 1	NW 1	NNW	------	-------
7	58.26	56.09?	25	29.5	Calm	WNW 1	NW	NW	2.8
8	60.71	59.98	23.5	28.7	Calm	E 1	NE	S	116.1
9	63.41	61.70	23	28.5	Calm	Calm	NE	NE	39.9
10	63.54	62	24.5	28.1	NE 1	E 1	E	NE	-------
11	63.36	61.57	23.4	29.1	Calm	Calm	NE	------	-------
12	62.77	61.01	22.1	28.7	Calm	Calm	E	E	-------
13	62.59	61.04	24	27.5	Calm	SE 1	NE	NE	-------
14	62.32	60.24	25.7	29.2	NE 2	Calm	NE	NE	-------
15	61.89	59.81	23.3	29	Calm	E 1	E	E	-------
16	60.93	59.26	26.5	28.4	E 2	NE 2	NE	NE	-------
17	61.02	59.39	25	28.2	Calm	NE 2	NE	NE	-------
18	60.77	59.38	25	28.9	Calm	NE 1	NE	E	.3
19	61.04	59.42	23.5	26.8	Calm	Calm	NE	NE	9.1
20	60.08	58.38	24.1	27.7	Calm	NE 2	NE	NE	.3
21	59.32	57.52	25.5	29.1	Calm	NE 2	NE	E	-------
22	59.11	57.62	25.7	29.2	E 1	NE 1	NE	E	-------
23	59.03	57.82	22.6	28.8	Calm	NE 1	NE	E	-------
24	59.84	58.37	23.6	30.8	Calm	NE 1	NE	NE	-------
25	60.96	59.64	24.3	29	Calm	ESE 1	NE	NE	-------
26	61.86	60.21	25.1	28.8	E 1	Calm	NE	E	-------
27	62.57	60.39	21.6	29.9	Calm	Calm	E	NE	-------
28	61.60	60.19	22.5	28.2	Calm	NE 2	NE	E	-------
29	62.41	60.16	22.6	28.8	Calm	NE 2	NE	NE	-------
30	61.94	60.20	22	28.5	Calm	NE 1	NE	NE	14
31	------	------	------	------	------	------	------	------	------
Mean	61.12	59.41	23.7	28.8	0.3	1	------	------	------
Total	------	------	------	------	------	------	------	------	186.1

DECEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	61.31	60.29	24	29	Calm	NE 1	NE	NE	-------
2	60.81	59.53	23.7	25.8	Calm	SE 1	NE	E	3.3
3	61.16	59.36	24.5	29	Calm	Calm	NE	NE	5.6
4	61.03	59.01	23	27.6	Calm	NE 1	NE	E	1.3
5	60.43	58.89	24	30	Calm	E 1	E	ENE	.3
6	59.85	57.92	22	29.7	Calm	NE 1	NE	NE	6.1
7	58.80	57.29	24.5	28.1	Calm	Calm	NE	NNE	.3
8	56.63	56.19	22	29.1	Calm	Calm	NNW	NE	-------
9	57.87	56.47	20.9	28.4	Calm	NW 1	NW	W	-------
10	58.08	56.02	22	29	Calm	NW 1	WNW	NW	-------
11	------	------	------	------	------	------	------	------	------
12	------	------	------	------	------	------	------	------	------
13	------	------	------	------	------	------	------	------	------
14	------	------	------	------	------	------	------	------	------
15	------	------	------	------	------	------	------	------	------
16	------	------	------	------	------	------	------	------	------
17	------	------	------	------	------	------	------	------	------
18	------	------	------	------	------	------	------	------	------
19	------	------	------	------	------	------	------	------	------
20	------	------	------	------	------	------	------	------	------
21	------	------	------	------	------	------	------	------	------
22	------	------	------	------	------	------	------	------	------
23	------	------	------	------	------	------	------	------	------
24	------	------	------	------	------	------	------	------	------
25	------	------	------	------	------	------	------	------	------
26	------	------	------	------	------	------	------	------	------
27	------	------	------	------	------	------	------	------	------
28	------	------	------	------	------	------	------	------	------
29	------	------	------	------	------	------	------	------	------
30	------	------	------	------	------	------	------	------	------
31	------	------	------	------	------	------	------	------	------
Mean	59.60	58.10	23.1	28.6	0	0.7	------	------	------
Total	------	------	------	------	------	------	------	------	------

This station was temporarily closed from December 11, 1911, to January 6, 1912.

VIRAC.

[$\phi = 13°\ 35'$ N; $\lambda = 124°\ 14'$ E; barometer above sea, 8 meters; gravity correction not applied, −1.76 mm.]

JANUARY.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.							*mm.*
1	61.57	60.45	23.5	27.5	NE	3	ENE	3	ENE	SE	-------
2	60.80	59.25	20	28.2	NW	1	E	3	E	NW	-------
3	61.23	60.29	20.3	28.4	WNW	2	ENE	3	------	WNW	3
4	61.50	60.11	25.4	27.8	NE	5	ENE	3	ENE	E	24.4
5	61.43	59.91	22.6	29.4	W	2	SE	2	SE	NE	3.5
6	60.83	53.35	22.7	30	W	1	ENE	2	ENE	E	1.3
7	61.70	59.76	25.2	29.9	NNE	2	ENE	3	ENE	N	1.5
8	61.62	59.60	24.7	28.2	NW	2	NNE	2	SE	E	9.4
9	59.48	57.72	24	25.7	NW	1	SSE	2	------	NE	25.2
10	57.78	56.76	22	28.7	W	1	SE	3	SE	ESE	-------
11	58.20	56.66	21.6	29.5	NW	1	SSE	1	------	WNW	-------
12	58.21	57.62	20.3	28.4	NNW	1	SE	3	NW	W	13.2
13	59.30	58.94	23.5	29.8	E	2	E	2	NNE	NNE	1.6
14	60.35	58.54	24.9	29.5	NNE	1	E	2	NE	SW	-------
15	59.48	57.31	22	31	NNW	1	SSW	2	W	SW	2.3
16	58.18	58.63	24	26.8	WSW	1	E	2	NW	NW	.3
17	59.75	58.41	21	28.4	NW	1	ESE	2	E	SE	1.3
18	60.11	58.76	22	29	NW	1	SE	3	SE	E	5.1
19	59.49	58.97	24	27.5	ESE	1	NW	2	W	N	.3
20	59.58	60.24	24.4	27.4	NNW	2	E	2	W	NNE	1.3
21	60.51	58.90	23.2	27.6	SW	1	NW	2	NE	NE	29.7
22	61.21	58.55	22.6	28.2	ESE	1	S	1	E	E	5.6
23	58.83	57.28	23.4	26.4	WSW	1	SSW	1	NE	NNE	3.6
24	57.72	56.24	21.4	28.6	W	1	E	3	E	NE	6.1
25	58.56	57.41	21.5	29.3	WNW	1	E	2	ESE	NE	17.3
26	58.16	56.91	22.7	28.2	W	1	ESE	2	SE	E	25.1
27	57.54	56.50	22.6	29.7	NW	1	SE	2	NE	SW	-------
28	56.89	56.41	22	26.2	NNW	1	WNW	1	SW	E	2.8
29	57.85	56.67	21.2	29	W	1	E	3	E	W	2.3
30	57.98	56.82	22.6	28.5	NW	1	ESE	3	SE	E	1.6
31	58.13	57.36	22	29.7	NW	1	ESE	2	E	E	-------
Mean	59.48	58.27	22.7	28.5	1.4		2.2		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	187.8

FEBRUARY.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.							*mm.*
1	58.08	57.06	21.5	28.5	NNW	1	ESE	3	NE	ENE	-------
2	58.94	57.91	20.2	28.6	WNW	1	ESE	3	------	NW	-------
3	59.39	58.76	20	30	NW	1	ESE	3	W	E	-------
4	60.21	59.54	21.6	30	WNW	1	E	3	SE	E	-------
5	61.12	59.94	21.5	30.4	NW	1	E	3	SE	NE	3.8
6	59.41	58.63	24.5	24.2	NNE	3	NE	6	NE	E	34
7	60.56	59.59	25	28	NNE	4	NNE	4	NE	NE	-------
8	60.06	59.24	24.6	27.8	ENE	3	N	3	NE	E	-------
9	59.86	58.90	21.2	29.4	WSW	1	N	3	NE	NE	.5
10	60.90	60.21	25	28.8	NNE	2	NE	2	NE	E	27.2
11	60.95	61.01	25.2	29	ENE	3	E	3	E	ENE	6.9
12	62.03	60.56	25	28	NE	3	E	4	E	NE	7.9
13	61.41	60.76	20.2	26.4	NW	1	WNW	2	NE	E	1.8
14	59.82	58.69	23.5	28.7	SW	2	NNW	2	NE	ENE	9.9
15	58.81	58.10	23.2	24.3	W	1	N	1	E	NE	46.2
16	57.70	56.97	23.6	26	SSE	1	SE	1	NW	NNW	41.2
17	57.57	56.97	23.6	25.3	NW	1	NW	1	NNW	NW	18
18	57.73	57.71	22.5	26.5	WNW	1	NNW	1	NW	E	12.3
19	59.19	59.85	24.2	23.8	E	2	WNW	1	NNE	NW	48.5
20	61.30	60.95	24	23.5	NNW	3	NE	1	NE	-------	69.6
21	61.73	59.93	22.5	24.4	WNW	1	ESE	2	------	NE	12.9
22	59.49	57.99	22.8	25	NW	1	S	2	WNW	NW	9.1
23	59.40	58.92	22.5	26.9	NNW	1	WNW	2	NW	NW	3.1
24	60.66	59.77	24	27.4	SW	2	W	3	WNW	NW	10.2
25	60.11	59.02	23.2	24.5	W	1	NW	2	NW	NNW	28.2
26	58.84	58.32	23.5	25.5	W	2	SSW	1	NE	E	23.7
27	58.95	57.97	22.6	27.5	W	1	S	1	E	NW	5.4
28	58.96	58.35	21.3	29	WNW	1	SE	1	W	W	-------
29	-------	-------	-------	-------	-------		-------		-------	-------	-------
30	-------	-------	-------	-------	-------		-------		-------	-------	-------
31	-------	-------	-------	-------	-------		-------		-------	-------	-------
Mean	59.76	58.99	22.9	27	1.6		2.3		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	420.4

MARCH.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.							*mm.*
1	60.01	59.24	20.8	28.5	W	1	SE	2	------	W	1
2	59.98	59.48	22.5	24	W	1	ESE	1	NE	NE	12.5
3	60.06	59.49	21.8	25	W	1	N	3	E	ENE	.3
4	60.81	60.27	24	28	NE	3	E	3	E	E	-------
5	61.13	60.51	18.7	28	W	1	ESE	3	NE	E	-------
6	60.57	59.41	18.4	26.8	W	1	ESE	3	------	NW	-------
7	60.25	58.73	18.8	28.1	NW	1	E	4	ESE	NE	-------
8	60.43	58.79	23	29	ESE	2	E	2	NE	NW	-------
9	59.72	58.79	22.2	28.2	WNW	1	SE	3	E	W	-------
10	59.01	56.97	20	26.6	WNW	1	SW	1	SE	NW	23.9
11	58.63	57.47	24	27.9	NNW	2	NNE	4	E	E	3.8
12	59.72	60.24	26.6	28.4	ESE	4	ESE	4	SE	ENE	3.6
13	61.17	60.31	22.2	28	NW	1	E	2	NE	ESE	3.6
14	60.33	59.16	21.5	29.6	NW	1	E	3	E	E	-------
15	59.15	58.16	21.2	29.2	NW	1	E	3	SE	ESE	-------
16	59.09	58.69	22.5	28.2	SW	1	NNE	2	E	E	17.1
17	59.04	58.57	23.5	28.5	ENE	1	ESE	3	E	ENE	3.5
18	59.50	58.82	23.3	28.6	NW	1	SE	2	NE	W	-------
19	60.32	59.26	21.5	29.6	WNW	1	NW	2	------	W	-------
20	60.45	59.61	25	29.5	SE	1	E	3	E	NE	-------
21	60.66	59.95	21.5	29.1	W	1	E	3	SE	SE	-------
22	61.02	59.71	22	29.2	NW	1	E	3	NE	W	-------
23	61.11	59.80	22.2	29.7	WNW	1	S	2	NE	W	-------
24	60.46	59.84	22.5	28.6	SE	1	SSW	1	E	NNW	6.4
25	60.71	59.86	23.4	28	N	1	E	3	NE	SE	27.2
26	61.56	61.48	22.7	23.4	SW	1	E	2	E	SE	39.8
27	61.93	61.65	22.5	24	SW	1	SSW	2	E	NE	36.1
28	61.52	60.93	24	29.6	NE	2	E	3	E	E	6.4
29	61.70	61.15	25.8	28.3	NNE	3	NNE	3	E	NE	1.8
30	61.88	60.14	24.4	30	ENE	2	E	3	NE	ENE	-------
31	59.81	57.99	25	30.2	N	2	S	2	E	E	-------
Mean	60.38	59.50	22.5	28.1	1.4		2.6		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	187

APRIL.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.							*mm.*
1	58.02	56.80	25	30.6	NNW	1	NE	4	NE	NW	-------
2	58.56	57.90	25.5	29	NNW	3	NNW	2	NE	E	10.8
3	58.84	58.62	24	28.9	NNW	1	ESE	3	ENE	SE	5.7
4	59.38	58.80	25.5	29.7	NE	1	NE	3	E	E	.5
5	59.10	58.16	23	29.9	SW	1	E	3	SE	NNE	-------
6	59.27	59.03	25	30	NE	1	E	3	E	NE	-------
7	58.67	57.49	25.5	30.7	NNE	1	ENE	3	SE	E	20.1
8	58.32	57.31	25.6	27.6	E	2	NE	3	NE	NE	19.6
9	57.71	56.94	25.6	26.1	NNE	1	NE	3	NE	E	48.2
10	57.51	56.92	26	29.2	ENE	2	E	3	E	SE	-------
11	57.27	56.64	25.9	29	NE	1	ESE	2	SE	NE	-------
12	58.53	57.50	25.6	29.1	ENE	1	ESE	3	ESE	E	-------
13	58.95	58.57	23.4	29.2	ENE	1	ESE	2	ESE	E	-------
14	58.49	57.44	22.5	29.5	WNW	1	ESE	3	SE	E	-------
15	57.73	56.98	22.6	30	NW	1	ENE	3	ESE	S	-------
16	58.51	57.29	22.8	28.8	NW	1	ESE	3	------	E	2.5
17	58.90	57.34	23	29.3	ESE	1	ESE	2	------	E	-------
18	58.51	57.78	23.4	29.6	NNW	1	SE	2	------	E	-------
19	59	58.86	24	28.1	NE	1	W	2	E	N	.3
20	60.38	59.51	24	30	NW	1	E	3	E	E	.5
21	60.70	59.38	25.4	30.8	N	1	E	2	E	ENE	2.5
22	59.48	56.71	24.4	28.5	NNW	2	NNW	1	ENE	NE	40.5
23	56.06	56.54	26	27.8	SE	5	ENE	3	SE	ESE	3.6
24	58.13	57.29	26.5	30	SSE	4	SE	1	S	SSW	-------
25	59.03	58.54	25.1	30.5	W	1	SE	1	------	SW	-------
26	60.02	57.96	25.8	31	WNW	1	SSE	1	W	W	.1
27	58.68	56.90	25	30.4	WNW	1	SSE	1	SW	SW	-------
28	57.38	56.14	24.8	31.1	W	1	SSW	3	WSW	SW	-------
29	57.82	56.95	25.2	29.3	WSW	1	ESE	2	W	NNE	-------
30	58.43	58.07	24.3	26.5	WNW	1	NNW	2	N	N	25.9
Mean	58.58	57.68	24.7	29.3	1.4		2.4		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	180.8

VIRAC.

[ϕ=13° 35′ N; λ=124° 14′ E; barometer above sea, 8 meters; gravity correction not applied, —1.76 mm.]

MAY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.87	58	24.9	27	NNW 1	SSW 1	NW	N	29.6
2	57.98	57.08	24	26.5	W 1	ESE 1	NE	W	38.5
3	57.93	57.63	24	25.8	WSW 1	WNW 1	ENE	ENE	14.7
4	59.26	58.74	23.7	29.8	WNW 1	ESE 1	E	E	
5	60.57	59.39	24.1	27.7	WSW 1	E 1	ENE	E	3
6	60.43	58.17	23.7	28.7	WNW 1	SW 3	E	ENE	29.5
7	59.57	58.23	23.6	27.6	ENE 1	SE 1	E	E	7.5
8	58.83	57.75	24.1	29.2	W 1	ESE 1			
9	59.28	58.34	24	29.5	WNW 1	SE 1	SE	E	.6
10	59.05	58.29	23.5	29.6	NNW 1	ESE 2		ENE	
11	58.62	57.93	24.5	29.7	NNW 1	ESE 3	E	E	
12	58.75	57.26	24.5	30.4	WNW 1	ESE 3	E	ENE	.3
13	58.90	58.14	24.1	29.4	NNW 1	ESE 2	E	E	6.6
14	58.27	57.65	24.2	30.7	WSW 1	ESE 2	E	ENE	24.9
15	58.48	57.43	23.9	29.7	NNW 1	ESE 2	E	ESE	6.4
16	58.91	58.39	25.7	29.5	SE 1	SSE 1	E	E	22.1
17	58.50	57.08	24.4	29.2	NW 1	SSE 2	E	ESE	
18	57.60	56.66	23.6	29.5	W 1	SE 2	ESE	E	.9
19	58.20	56.89	23.9	29.8	NNW 1	ESE 2	E	SE	23.4
20	57.86	57.22	26.7	27.6	NNE 1	NNW 1	E	E	30.4
21	57.98	57.16	24.5	29.6	WNW 1	ESE 2	SE	ENE	
22	57.88	56.60	25.1	30.1	W 1	ESE 2	ESE	E	
23	58	56.23	24.5	30.4	WNW 1	ESE 2	SE	SE	
24	57.18	56.44	24.5	29.8	W 1	SE 2	E	ESE	2.8
25	57.87	56.98	25	30.1	W 1	ESE 2	ESE	E	1
26	57.83	57.45	25.5	30.6	NW 1	ESE 1	SSE	SE	
27	58.93	57.44	25.5	30.2	WNW 1	ESE 3	E	E	
28	58.38	56.70	24.2	30.5	WNW 1	SE 2	E	E	
29	57.50	56.51	24.5	29.6	WNW 1	ESE 1	NW	E	
30	57.38	56.47	25.1	31.3	WNW 1	SE 1	SE	E	7.1
31	58.20	57.41	24	28.4	NNW 1	SE 1	E	ENE	31
Mean	58.48	57.47	24.4	29.3	1	1.7			
Total									280.3

JUNE.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 a. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.96	58.29	27	29	ENE 1	SE 1	E	E	1.2
2	59.70	59.24	24			E 2	E	E	8.2
3	59.66		23	31.8	W 1	E 2	ENE	E	
4	59.61	58.69	24	32.8	W 1	E 2	E	E	9.9
5	59.63	57.74	25.5	32.4	ESE 1	E 2	E	ENE	15.6
6	58.85	57.54	24	31	NNW 1	ENE 2	E	ENE	.6
7	58.30	57.29	25	30.4	W 1	ESE 3	ENE	ENE	4.6
8	58.02	57.07	24.8	31.6	W 1	E 3	E	E	23.9
9	58.76	58.13	25.6	31.5	WNW 1	ESE 3	E	ENE	
10	59.60	58.53	24.7	32	WNW 1	ESE 3	E	E	7.2
11	59.36	57.73	24.8	32	WSW 1	E 3	E	NE	3.9
12	58.13	57.47	25.6	31.8	WNW 1	ESE 2	E	E	
13	58.05	57.34	24.8	32.5	WNW 1	SSE 2	SE	E	.8
14	59.08	58.12	25.5	33.6	W 1	W 3	ENE	W	
15	59.04	57.22	26	33.4	W 1	W 4	W	W	
16	56.60	55.72	27.5	32.1	W 1	W 4	W	W	.3
17	54.92	54.22	26.8	32.6	W 1	WSW 4	W	W	
18	55.45	54.94	27	30.4	W 1	WSW 4	SW	SW	1.3
19	56.69	57.24	25.7	29.4	W 1	S 4	SW	SW	
20	58.09	57.31	26	30.5	NW 1	SSE 3	W	E	
21	59.66	58.53	23.8	30.7	WNW 2	SE 2	SW	ESE	
22	60.45	59.43	24.5	33.2	E 1	SE 2	E	E	
23	60.88	59.15	24.8	33.5	WSW 1	SE 1	E	E	
24	59.15	57.43	24.5	33.5	NW 1	SSE 1	ENE	E	
25	57.22	55.70	25	33.8	WNW 1	SW 3	NE	W	
26	57.52	55.69	25.2	32.7	W 1	SSE 4	W	W	
27	56.56	56.22	25.8	32.4	W 1	S 4	W	W	
28	57.76	56.31	25	34.4	WNW 1	S 3	WNW	W	17.8
29	57.02	55.86	24.5	27.4	NW 1	E 1	E	E	41.3
30	54.50	52.68	24.6	24.8	W 3	WNW 4	W		126.2
Mean	58.24	57.13	25.2	31.6	1.1	2.7			
Total									262.8

JULY.[a]

	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	50	52.76	24.3	25.2	SW 9	SSW 8	SW	SSW	84.9
2	57.39	57.86	26.5	29.6	S 4	S 3	S	S	
3	59.17	58.31	25.5	31.1	S 1	SE 2	S	SE	
4	59.37	57.60	24.5	30.1	WNW 1	ESE 4	ENE	E	2.5
5	58.82	57.86	23.7	29.4	NNW 1	NW 2	E	ENE	
6	58.48	57.04	23.8	30.1	WNW 1	ESE 3	ENE	NW	
7	58.53	57.03	24	32.6	NNW 1	SE 2	E	E	
8	58.28	57.04	23.6	31	WNW 1	ESE 2	E	SE	.4
9	57.88	56.73	24.6	33	WNW 1	WSW 3	W	W	
10	57.89	56.88	25.2	32.8	WNW 1	W 3	W	W	
11	57.66	56.37	26	32.6	WNW 2	WNW 3	W	NW	.3
12	57.96	56.02	25.5	26.4	WNW 1	NW 3	N	NW	58
13	52.70	50.27	24	22.5	NW 5	W 7	N	W	[b]137
14									
15									
16									110.5[c]
17	55.96	55.44	26.1	31.6	W 1	W 4	W	W	
18	55.74	54.64	24.5	31.7	NW 1	WSW 3	W	W	
19	56.08	55.42	25.2	31.2	NW 1	WNW 2	W	W	
20	56.28	55.68	24	32	WNW 1	WNW 2	W	W	1
21	55.92	54.87	25.7	32	NW 1	WSW 2	W	W	
22	54.82	53.50	24.8	29.2	WNW 1	W 2	W	W	5.1
23	53.32	53.26	26.3	28.8	WSW 1	W 2	W	W	1.1
24	54.17	53.29	26	30.8	W 2	WSW 4	W	W	.1
25	53.93	53.19	27.3	32.2	WSW 3	WSW 4	W	W	
26	54.81	53.89	27	31.4	W 2	WSW 3	W	W	
27	56.73	56.32	25.8	31.7	WNW 1	W 2	W	W	1
28	57.44	57.06	25.3	30.2	ENE 1	SSW 1	ENE	NE	.3
29	56.06	55.77	25.5	27.4	N 1	W 2	N	NW	14.4
30	55.53	54.37	24.6	28.1	WNW 2	W 2	WNW	W	1.9
31	54.28	54.12	26.4	28.5	W 4	W 3	W	W	1.2
Mean	56.26	55.45	25.2	30.1	1.9	3			
Total									419.7

AUGUST.

	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	54.98	54.59	25.3	31.3	NNW 1	WSW 3	SW	SW	
2	56.35	55.25	26.5	29.5	W 1	W 2	WSW	W	3.6
3	56.37	55.01	26.3	29.8	WNW 2	WNW 2	W	W	
4	56.34	54.86	25.6	32	NNW 2	W 4	W	W	
5	56.22	55.57	24.6	32.6	WNW 1	W 3	W	W	
6	56.78	55.89	24.5	33.5	WNW 1	W 4	W	W	
7	56.64	55.38	24.7	32	WNW 2	WNW 4	W	WNW	3.3
8	55.01	54.81	25.5	28	W 2	WNW 1	WNW	W	
9	53.69	52.55	26.3	32	WNW 2	WNW 3	W	W	
10	52.87	52.27	27.3	33.2	W 2	WSW 4	W	W	
11	53.63	53.73	26.4	31.5	WNW 2	WSW 4	W	W	
12	55.30	54.58	26.7	32.4	WSW 1	WNW 4	WSW	W	
13	55.31	54.03	25.8	31.4	W 2	W 4	W	W	
14	55.02	55.20	27	30.3	W 3	W 5	W	W	
15	58	56.92	26.5	33	W 2	W 3	W	W	
16	58.58	57.41	23.5	33	WNW 1	SSW 3		SW	
17	58.02	56.21	24.1	32.7	W 1	WNW 4	W	WNW	5.8
18	55.83	56.08	24.3	26	WNW 2	WNW 1	W	W	14.6
19	55.22	55.44	24.5	26.7	WNW 3	WNW 2	W	W	6
20	56.21	55.26	23	30.4	WNW 1	WNW 3	W	W	.8
21	56.82	55.27	24	31	W 1	NW 3	W	WNW	7.4
22	56.18	55.23	24	31	WNW 1	NW 2	W	NW	.4
23	55.05	54.14	24	31.2	NNW 1	WNW 4	NW	NW	21.8
24	53.56	52.22	24.1	23.5	WNW 3	WNW 7	NW	NW	20.8
25	51.58	51.18	26.3	30	WNW 4	WSW 6	WNW	W	
26	52.81	52.65	26.7	30.3	SW 6	SW 6	SW	SW	
27	55.58	54.97	25.6	31.8	WNW 1	WSW 5	SW	SW	
28	57.37	56.28	26.4	31.8	WSW 3	W 4	W	W	
29	56.64	54.99	25	32.3	W 1	W 5	W	W	
30	55.33	54.61	26.9	31.5	WNW 3	WSW 4	W	W	
31	56	54.84	27	32.5	W 2	WSW 4	WSW	W	
Mean	55.59	54.76	25.4	30.9	1.9	3.6			
Total									84.5

[a] 28 days of observation. [b] Rainfall from 6 a. m. to 5 p. m. of this day. [c] Rainfall from 5 p. m. of the 13th to 5 p. m. of the 16th. Beginning with June 4, the height of the barometer above sea level is 7 meters.

VIRAC.

[$\phi = 13°\ 35'$ N; $\lambda = 124°\ 14'$ E; barometer above sea, 7 meters; gravity correction not applied, —1.76 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	57.33	56.48	27	32.7	W	2	WSW	4	W	W	-------
2	58.61	56.12	25.6	33	WNW	1	W	3	W	W	-------
3	57.08	55.84	24	33.1	WNW	1	SSW	3	W	W	-------
4	57.73	56.65	24.8	34	W	2	SSW	3	W	SW	-------
5	57.98	56.74	24.2	31.4	W	1	SSE	3	W	SW	-------
6	57.66	56.89	24.5	27.5	NW	1	ENE	2	W	NE	24.7
7	58.04	57.12	24.1	27.8	N	1	SE	1	N	N	4.1
8	58	56.49	22.4	31	NW	1	ESE	3	E	E	6.1
9	57.60	56.66	24.5	30.2	N	1	SE	4	E	E	9.9
10	57.97	57.34	23.5	30.4	N	1	S	3	E	NE	-------
11	58.28	57.82	23.6	31.7	NW	1	SSE	3	NE	NNE	2.8
12	58.10	56.94	24.5	31.7	WNW	1	SE	3	E	E	15.9
13	57.78	56.06	23.1	31	NW	1	WSW	2	NE	N	2.5
14	56.37	55.22	23.5	28.1	NW	1	SSE	2	N	N	5
15	55.18	53.76	24.2	29.6	NW	1	WNW	3	NW	NW	.5
16	53.85	53.37	25.7	31.4	W	1	WSW	4	W	WSW	-------
17	55.87	54.66	27.5	29.6	WSW	3	W	3	WSW	W	.3
18	56.27	55.64	25.8	30.7	WNW	1	S	3	W	S	2
19	56.47	55.66	24	30	NW	1	W	2	W	W	-------
20	57.72	57.40	24.4	30.2	NW	1	S	2	W	SW	-------
21	58.28	56.09	24.5	28	WSW	1	ESE	2	W	NW	21.3
22	56.33	55.39	23.2	30.8	NW	1	SSE	2	NW	E	.5
23	57.10	56.76	22.7	24.8	NNW	1	N	3	E	N	34.8
24	57.78	56.58	23	29.6	NNW	1	E	2	N	N	7.5
25	56.55	54.68	23.5	30.7	NNW	1	NW	5	N	NW	17.5
26	52.57	50.88	25.6	28	W	4	W	4	NW	WNW	2.6
27	51.73	51.59	28?	29.6	SSW	4	SW	4	SW	SW	-------
28	55.01	54.83	27.5	29.1	S	4	SSW	4	SW	SW	.3
29	56.93	56.24	26.3	31.4	NW	1	SW	3	S	SW	.1
30	57.87	56.90	25	31	NW	1	SSE	2	S	S	-------
31	-------	-------	-------	-------	-------		-------		-------	-------	-------
Mean	56.80	55.76	24.7	30.3	1.4		2.9		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	158.4

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	58.43	57.16	23	31.5	NW	1	SSE	2	S	SW	-------
2	59.58	58.64	24	31	W	1	SE	3	ENE	E	0.4
3	60.11	58.64	22.6	30.3	NW	1	WNW	3	E	NE	-------
4	59.10	57.35	24	31.6	WNW	1	SE	3	NE	NE	-------
5	58.95	57.34	22.7	32.6	NW	1	SE	3	E	E	-------
6	58.90	58.30	23	32	W	1	SSE	2	NE	E	.5
7	59.63	58.95	22	31.2	WNW	1	ESE	3	E	E	.3
8	60.17	59.09	22	27.7	NNW	1	NW	2	E	NE	2.2
9	60.33	58.81	24	28.8	WNW	1	WNW	2	NE	NE	1.2
10	59.18	58.54	24.8	28.6	SE	1	W	2	ENE	NE	4.3
11	58.70	57.51	22.5	30.6	WNW	1	SW	3	E	W	-------
12	58.60	56.93	22.6	29.2	NNW	1	SSE	2	E	E	4.8
13	58.46	57.16	24.5	30.3	WNW	1	W	2	E	NE	5.5
14	58.47	57.65	23.7	30.3	N	1	S	2	E	NNE	.1
15	59	57.89	21.3	31	NNW	1	S	2	NE	E	.1
16	59.35	57.79	22.3	30.3	NNW	1	E	3	E	NE	.4
17	59.97	58.49	22.1	29	WNW	1	E	3	E	E	39.6
18	60.52	59.90	25.6	30.5	ENE	3	E	4	E	NE	.2
19	59.84	58.72	26	28.5	ENE	3	NE	4	E	NE	-------
20	59.45	58.08	24.6	31	ENE	1	ENE	4	NE	NE	-------
21	60.03	58.79	22.4	31.7	WNW	2	S	2	NE	NE	5.3
22	60.53	60.40	25	29.4	WNW	2	NNE	2	N	N	.1
23	61.33	60.26	22	28.2	NNW	1	W	2	E	NE	2
24	61.32	60.33	21	30.5	NW	1	ESE	3	NE	NE	-------
25	61.63	60.31	21.2	28.7	WNW	1	ESE	3	E	NE	-------
26	61.28	60.25	20.5	29.5	NNW	1	S	1	NE	SE	-------
27	61.89	59.87	21.3	31.3	NNW	1	W	2	NE	NE	-------
28	61.90	60.65	21.7	31.5	NNW	1	S	2	NE	E	-------
29	61.65	60.23	22.7	30.8	NW	1	E	3	ENE	NE	-------
30	61.37	59.82	22.8	31	WNW	1	WSW	2	E	NE	-------
31	60.48	58.52	22	31	NNW	1	W	2	E	E	7.6
Mean	60	58.79	22.9	30.3	1.2		2.5		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	74.6

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	60.01	58.19	23	32.3	NW	1	NE	3	NE	NE	-------
2	59.82	58.23	23.5	29	NW	1	N	4	E	N	0.5
3	59.61	58.39	25.2	28.2	WNW	1	E	1	N	NNE	1.5
4	59.87	57.55	22	27	N	2	N	3	N	N	.8
5	57	55.69	22.8	28.5	NW	2	NW	5	N	NNW	11.2
6	54.95	54.19	24	25.5	WNW	5	WNW	6	NNW	NW	41.3
7	55.68	55.43	24.3	25.7	WNW	6	NW	6	NW	NW	27.2
8	59.75	59.49	24.5	28.1	WNW	3	NW	3	NW	NW	.1
9	62.70	61.74	23	26.2	NW	1	ESE	2	W	NW	.8
10	62.99	61.69	22	28	NW	1	S	2	N	NW	-------
11	62.57	61.29	20.5	29.6	NW	1	ESE	3	E	-------	-------
12	61.77	60.86	24.2	27.4	ENE	3	E	3	SE	E	4.9
13	61.68	60.35	24.7	29.6	E	3	E	3	E	E	.2
14	61.03	60.09	25.5	29.8	E	3	E	3	E	E	1.4
15	60.88	58.98	25.6	29.2	E	3	E	3	E	E	5.1
16	60.32	59.10	25.8	30	E	3	E	4	E	E	2.1
17	60.19	58.82	25.8	30.4	ENE	2	E	3	E	E	3.8
18	59.74	59.19	25.6	30	ENE	3	E	3	E	ENE	.4
19	59.82	58.67	25	29.8	ENE	2	E	3	E	E	1.9
20	59.24	57.45	23.8	30.4	NE	1	E	4	E	E	6.7
21	58.61	57.06	25.5	28.4	E	2	ENE	3	E	E	1.8
22	58.43	57.14	22.2	30.5	NW	1	E	2	E	E	-------
23	58.44	57.37	22	30	W	1	ESE	4	E	E	-------
24	58.84	57.94	24	30.6	WNW	1	ESE	3	E	E	-------
25	60.59	59.43	26	29.6	ESE	2	E	2	E	E	-------
26	61.26	59.98	22.2	31.3	N	1	ESE	3	E	E	-------
27	61.14	59.55	21.5	29.7	NNW	1	E	3	E	E	1.5
28	61.01	59.73	21.8	30.7	NW	1	SSW	2	E	NE	.5
29	61.27	59.58	22.6	31.6	NW	1	ESE	3	NE	ENE	-------
30	60.51	59.91	24.5	26.8	E	1	E	2	E	E	23.7
31	-------	-------	-------	-------	-------		-------		-------	-------	-------
Mean	59.99	58.77	23.8	29.1	2		3.1		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	137.4

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	60.42	59.74	24.4	28.6	ENE	1	ESE	3	E	E	1.3
2	59.50	58.74	23.5	29.6	WNW	1	E	3	E	NE	4.4
3	59.68	58.83	23.2	29.2	NW	1	E	3	NE	NE	-------
4	59.70	58.10	22.5	30	NW	1	ESE	3	NE	E	-------
5	59.28	58.02	21.7	29.8	NW	1	N	3	E	NE	-------
6	58.48	56.82	23.6	30.8	WNW	1	N	2	NE	NE	-------
7	56.12	54.25	25	24.5	NW	1	WNW	3	N	NW	25.1
8	56.32	56.66	23.5	29.8	NNW	1	SSW	2	SW	SW	-------
9	57.98	56.59	24.5	30.2	S	1	SSE	2	S	S	-------
10	57.71	56.30	23.5	30.5	S	1	SE	2	S	S	-------
11	57.74	56.76	24	31.2	S	1	SE	3	S	SE	4.1
12	59.33	59.04	25.5	29.2	E	3	ESE	3	E	E	.2
13	60.65	59.22	25.5	29.8	E	3	E	4	E	E	4.1
14	60.93	59.29	21.5	27.2	N	1	ENE	4	E	NE	3
15	60.81	59.64	24.1	29.4	ENE	4	E	4	NE	NE	4
16	60.65	60.19	26	28.7	E	4	E	4	E	E	8.9
17	61.98	60.82	25.2	29.6	E	3	E	4	E	E	.3
18	62.66	61.79	25.5	29.6	E	4	ENE	4	E	E	4.6
19	62.10	60.61	25	29	E	3	E	4	E	E	9.9
20	61.33	61.57	25	29.7	E	4	E	4	E	E	1.5
21	62.80	62.69	25.3?	28.5	E	4	E	4	E	E	1.6
22	63.16	61.87	24.5	30.2	ENE	3	ESE	4	E	E	-------
23	62.76	61.95	25?	29.8	ENE	2	E	4	E	E	3.6
24	63.46	62.24	23.5	29.4	ENE	2	ESE	3	E	E	3.7
25	61.82	60.92	25	29.5	ENE	3	ENE	3	E	E	-------
26	61.73	59.97	24.7	29.5	ENE	3	ENE	4	E	E	.5
27	61.22	60.60	24.6	28.8	E	3	E	5	E	E	2.5
28	61.22	59.65	24.5	28.5	ENE	3	ENE	4	E	E	3.7
29	60.77	59.28	20.3	29.4	NW	2	E	3	E	NE	1
30	60.53	59.08	23	30	ESE	4	E	3	E	E	.5
31	60.48	58.76	21.5	27.5	NW	1	ENE	3	E	E	3.7
Mean	60.43	59.35	24	29.3	2.3		3.4		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	92.2

NUEVA CACERES.

[ϕ=13° 37′ N; λ=123° 11′ E; barometer above sea, 8 meters; gravity correction not applied, —1.76 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	61.74	60.15	23	28.4	Calm	SSE 2	NE		
2	60.97	59.29	18.5	29.2	Calm	N 3			
3	61.73	60.36	18.1	28	N 1	N 3		NE	
4	61.95	60.41	23.6	26	NNE 1	ESE 1	NE		5.4
5	61.76	59.94	22.2	28.3	Calm	NE 2			
6	61.17	59.79	23.2	26.2	N 1	N 2			8.9
7	61.70	60.09	23	29.7	Calm	NNE 4			1.7
8	62.39	60.16	22.8	26.1	N 2	N 3	NE	N	4.5
9	59.60	57.96	23.8	26	N 1	N 1	N	N	7.7
10	58.38	56.59	22.8	29.8	Calm	N 2			
11	58.38	56.78	21.3	30	Calm	N 2			1.5
12	58.72	58.37	23.4	25.9	Calm	NNE 3		NE	.6
13	59.62	59.59	23	26.4	NNE 2	N 3	NE	NE	
14	60.67	58.68	21.5	30.4	Calm	N 1			
15	59.56	58.10	22.4	28	Calm	NNE 3			1.8
16	58.92	58.82	22.8	28.8	N 1	N 3	N	NE	
17	60.02	58.30	19.3	30.4	Calm	N 1			
18	60.72	58.94	20.2	30	Calm	N 2			
19	59.99	59.63	23.6	27.5	N 2	N 3	N		
20	60.32	60.13	22.9	28	N 1	NNE 2	N		
21	60.77	59.05	23.2	29.2	N 1	N 3	NE		.3
22	60.66	58.53	22.5	29	Calm	NNW 3	NE		.3
23	59.19	57.65	22.4	28.5	Calm	NNE 3		NE	
24	58.22	56.60	21.2	26.8	NNE 1	N 3	NE		
25	59	57.51	21.2	28.6	Calm	NNW 3		N	
26	58.47	56.75	19.9	30	Calm	N 3			5.8
27	57.77	56.45	21	30.6	Calm	N 1			
28	57.17	56.37	21.8	29.8	Calm	N 3			3.2
29	57.94	56.79	20.8	29	Calm	N 2			
30	58.24	56.73	20	29.1	Calm	NNE 2			5.4
31	58.69	57.12	22	30	Calm	N 2			
Mean	59.82	58.44	21.9	28.5	0.5	2.4			
Total									47.1

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.20	56.98	20.4	31.8	Calm	Variable 0			
2	59.08	58.24	19.9	30.5	Calm	WNW 2			
3	59.70	58.97	19.3	28.8	Calm	NW 2			
4	60.65	59.64	19.4	29.2	Calm	NNE 3			
5	61.18	59.65	21	28.7	Calm	N 3			
6	59.66	58.54	22.8	29.2	Calm	NNE 3		E	7.1
7	60.22	59.20	24	27.5	N 2	N 3	NE	NE	
8	60.17	59.25	20.8	28.2	Calm	NNE 2			
9	60.17	59.38	21.3	29	N 1	N 4	N	NE	.5
10	61.35	61.05	23	25.5	N 1	N 4	NE	NE	3.9
11	61.30	61.17	23.6	24.8	N 1	ESE 1	NE		23.8
12	61.87	60.79	22	28.2	Calm	Calm			2.5
13	61.52	60.99	21.4	28.6	Calm	NNE 3		NE	2.8
14	60.74	59.38	23	28.2	N 2	NNE 4	NE	NE	11.4
15	59.70	58.82	23.5	25.2	NNE 1	NNW 3	NE	N	20
16	58.61	57.69	23.4	26.9	N 2	N 3	NE	N	24.1
17	57.91	57.52	23.9	27.4	N 1	N 3	NE	N	8.6
18	58.01	58.15	24.4	26.3	N 1	N 2	N	N	130.9
19	60.48	60.42	22.4	24.2	N 4	NNE 5	N	N	7.8
20	62.27	61.66	22.4	24	NNE 3	NNE 2	NE	N	17.1
21	61.98	60.60	23	25	NNE 2	NNE 3	NE	NE	.3
22	60.25	58.99	23.2	28	NNE 2	N 4	NE		
23	60.16	59.79	23.5	27.5	N 2	N 4	N	N	
24	61.68	61.20	23.2	26.6	N 2	N 4	N	N	11.4
25	61.07	59.95	23.2	25	N 2	NNE 3	N	NE	26.9
26	59.77	59.03	22.4	25.6	N 1	NNE 3		NE	11.4
27	59.88	58.52	22.4	27.6	NNE 1	NNE 3	NE	N	6.1
28	59.52	58.74	21.9	29	Calm	N 2	N		
Mean	60.25	59.44	22.3	27.4	1.1	2.8			
Total									316.6

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	60.42	59.67	20.5	29.5	Calm	N 2	N		
2	60.17	59.56	22.6	27.6	NNE 1	N 2		N	1.6
3	60.30	60.08	21.5	23.2	Calm	N 1			4.6
4	60.91	59.95	21	27	Calm	NNE 2			2.3
5	61.41	60.40	18.5	29	Calm	N 2			
6	60.76	59.48	17.5	28.9	Calm	N 2			
7	60.32	59.05	17.2	28.5	Calm	N 3			
8	60.43	59.12	20	28.7	Calm	N 3			
9	60.18	59.17	19.5	28.5	Calm	N 3			
10	59.54	57.96	18.2	28.5	Calm	N 3			2.5
11	59.06	58.39	24	28	NNE 2	ENE 2			23.7
12	59.45	59.73	24	26.6	ESE 1	WNW 3		NW	4.6
13	61.49	60.23	22.1	29.7	Calm	N 3			
14	60.42	59.33	20	30	Calm	N 3			
15	59.43	57.98	21	30.3	N 1	N 3			
16	59.30	58.36	20.6	30.4	Calm	N 2			
17	59.35	58.64	21.2	26.2	Calm	Calm			19.4
18	59.50	58.52	23.2	30	Calm	NNE 1			.5
19	60.38	59.38	21.2	30	Calm	N 3			
20	60.60	59.74	20.4	28.5	Calm	NNE 1			8.9
21	60.77	59.98	20.4	29.5	Calm	N 3			2
22	61.26	59.94	20.5	29.5	Calm	NNE 3			
23	61.19	60	21	29.2	Calm	N 3			
24	61.13	59.71	21.2	30.2	Calm	NNE 3			
25	60.84	60.21	21	25	Calm	Calm			6.5
26	62.21		22.5		NNE 1	NNE 2			10.2
27	62.30	61.73	22.8	28.2	NNE 1	ESE 1			
28	61.85	60.90	21.2	28.5	Calm	NNE 1			
29	61.45	60.92	20.9	30.4	Calm	NNE 3		NE	
30	61.90	60.18	24	29.9	NNE 2	N 3			
31	60.01	58.62	22.6	29.4	Calm	NNE 3		NE	
Mean	60.59	59.56	21	28.6	0.3	2.2			
Total									86.8

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.66	57.37	24.3	29.8	N 2	N 3	N	N	0.5
2	59.17	58.38	23.8	28.8	N 1	N 3	N		.6
3	59.01	58.52	24.2	25.6	Calm	Calm			5.6
4	59.66	58.54	23	29.8	Calm	N 1			
5	59.38	58.40	20.2	28.3	N 1	NNE 3			
6	59.50	58.98	23.4	29.7	NNE 1	NNE 3			
7	59.12	57.79	23.6	31.2	NNE 1	NNW 3	NE		3.9
8	59.05	57.23	23.9	28	Calm	N 3			22.1
9	57.92	56.73	24.2	25.6	Calm	NNE 1		NE	70.9
10	57.75	56.28	22.4	30.2	Calm	WNW 1			
11	57.58	56.15	22.4	33.9	Calm	WNW 2			
12	58.73	57.43	22.6	27.2	Calm	N 1			9.7
13	59.20	58.35	23	31.2	Calm	N 1			
14	58.89	57.27	21	31.5	Calm	N 2			
15	58.08	56.76	22	32	Calm	N 2			
16	58.83	57.56	22.4	26	Calm	NNW 1			1.8
17	59.24	57.16	21.8	32.6	Calm	NNW 1			
18	58.92	57.48	22.8	30.7	Calm	Calm			
19	59.25	58.69	22.2	31.2	Calm	NNE 2			
20	60.42	59.21	23	30.8	Calm	NW 2			
21	61.07	59.82	24.3	30.3	Calm	NNE 3		NE	6.7
22	59.75	57.61	24.4	26.9	Calm	NNE 3	NE	NE	45.7
23	54.13	55.69	25	28.8	ESE 4	SE 3		S	1
24	58.07	56.95	23.5	31	SE 1	SSW 2		S	
25	59.18	58.43	24.5	31.8	Calm	SW 3	S	SW	
26	59.93	58.16	24.2	31.5	Calm	SSW 3			
27	59.11	57.06	24	31.6	SSW 1	SSW 3			
28	57.70	56.40	25	32.4	Calm	SW 2	SW		.5
29	58.49	57.59	23.4	28.9	W 1	WNW 2			
30	59.02	57.93	22.4	30.6	Calm	N 2			
Mean	58.83	57.66	23.2	29.9	0.4	2			
Total									169

NUEVA CACERES.

[$\phi = 13° 37'$ N; $\lambda = 123° 11'$ E; barometer above sea, 8 meters; gravity correction not applied, −1.76 mm.]

MAY.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.					*mm.*
1	59.27	58.07	22.8	31.2	Calm	N 3			0.2
2	58.50	57.52	25	26.4	Calm	N 3	N	N	33
3	58.62	58.15	23.5	24.8	Calm	N 1	N	N	1.2
4	59.66	59.08	22.6	28.2	Calm	NNE 1			1.9
5	60.67	59.45	23	26.2	N 1	NNE 1			41.1
6	60.72	58.80	22.4	27	Calm	ENE 2		E	1
7	60.05	58.41	23	31.2	S 1	SSW 1	S		
8	59.04	57.56	23.2	32	Calm	SW 3			
9	59.51	58.18	22.5	30.6	Calm	SSW 1			
10	59.59	59.25	23	25.8	SSW 1	S 2			
11	59.09	58.15	22	29	Calm	NE 1			
12	59.04	57.08	23.2	29.8	Calm	NNE 2			
13	59.16	57.72	23.3	29.2	Calm	NNE 1			9.1
14	58.19	57.59	23.4	29.7	Calm	WSW 1			
15	58.69	57.87	23.4	27.3	Calm	Calm			13.2
16	59.12	58.24	23.2	28.3	WSW 1	WSW 1			.3
17	58.59	56.87	22.2	31.4	Calm	W 2			7.6
18	58.03	56.41	22	30.8	Calm	NNE 2			
19	58.31	56.40	22.8	33	Calm	NNE 2			
20	58.02	57.37	22.8	29.5	Calm	SSE 2			
21	58.58	56.44	22.8	33.8	Calm	ESE 1			
22	58.07	56.39	22.4	32.7	Calm	NNE 2			4.3
23	58.28	56.23	22.4	32.4	Calm	SSW 1			
24	57.28	55.92	22	33.4	Calm	SSW 2			
25	58.01	57.06	23.6	25	Calm	Calm			19.8
26	58.28	57.39	22.4	26.2	Calm	Calm			33.5
27	58.88	57.33	23.3	31	Calm	NE 3			
28	58.56	56.90	23.6	33.4	Calm	NE 1			
29	57.53	56.24	22.6	33.6	N 1	SW 2		SW	
30	57.53	56.67	24.2	26.7	SW 1	E 1			15.4
31	58.23	57.05	24.5	33.2	Calm	ESE 2			5.3
Mean	58.75	57.48	23	29.8	0.2	1.5			
Total									186.9

JUNE.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	6 p. m.	6 a. m.	2 p. m.	6 a. m.	6 p. m.	
	mm.	*mm.*	°C.	°C.					*mm.*
1	58.83	57.93	23.9	31.9	NNE 1	S 2			
2	59.72	58.86	23.7	30.9	Calm	Calm			
3	59.70	58.66	23.2	29.6	Calm	SSW 1			
4	60	58.58	22.8	28.3	Calm	NW 1			15.6
5	59.70	58.02	23	28.5	Calm	N 3		E	1
6	59.40	57.36	23.2	30	Calm	N 2			6.6
7	58.57	56.87	23	32.3	Calm	NNE 3			17.8
8	58.24	57.07	23	28.4	Calm	NNE 1		NE	4.7
9	58.91	57.70	23.4	32.7	Calm	N 2			
10	59.69	59.23	24	27.5	Calm	ESE 1			10.5
11	59.19	58.19	23.3	29.7	Calm	Calm			13.5
12	58.55	57.58	23.6	29.3	Calm	SW 1			1.1
13	58.57	57.86	23.2	31.5	Calm	SW 1			3
14	59.69	58.63	23.9	32.2	Calm	S 2			
15	59.49	58.15	24	33	S 1	SSW 2			
16	57.77	56.55	25.2	33.2	Calm	WSW 2			
17	55.67	54.66	26	31	Calm	SSW 3		SW	15.2
18	55.15	54.57	24.9	28.6	SSW 1	S 3	SW	S	12.5
19	56.70	57.19	25	28.4	SE 2	SSE 1	SW	S	24.4
20	58.21	56.86	24.3	30.2	WSW 1	SSE 3		S	1.3
21	59.64	58.27	24	33	Calm	S 3			
22	60.75	59.45	23.5	33.2	Calm	SSW 3			
23	61.13	58.88	24	34.4	Calm	SSW 1			
24	59.45	57.23	24	34	Calm	SSW 1			
25		56.25		32.6	Calm	SSW 2			
26	57.90	56.06	24.4	32.2	S 1	SW 2			
27	57.22	56.72	25.2	31.2	S 1	SSW 2			
28	58.25	56.66	24.5	31.5	S 1	S 2			
29	57.66	56.07	23.8	31.2	Calm	WNW 1			2.3
30	55.15	53.77	24	25.8	Calm	Calm			82.5
Mean	58.58	57.33	23.9	30.9	0.3	1.7			
Total									212

JULY.

	mm.	*mm.*	°C.	°C.					*mm.*
1	51.87	51.71	24.4	23.6	WSW 2	S 4			121.7
2	56.14	57.62	24.4	26.4	SE 2	S 2	S		27
3	59.24	57.82	24.5	32.6	SE 2	S 2	SE	SE	
4	59.50	57.99	23.8	29.2	Calm	Calm			.9
5	59.37	58.08	23.8	28.5	Calm	N 1			2.8
6	58.92	57.36	23	30	N 1	N 2			
7	58.92	57.64	22.8	27.6	Calm	ENE 1			3.2
8	58.56	57.34	23.5	29	Calm	Calm			27.5
9	58.51	57.37	24	31.6	Calm	SSW 3		SW	
10	58.42	57.61	24.7	32.4	Calm	S 3		SW	
11	58.58	56.86	24.5	32.6	Calm	W 2		W	25.3
12	58.98	57.20	24.4	29	Calm	NE 1			26.9
13	54.71	53.18	24.4	25	WNW 3	WNW 2	NW		85.3
14	52.55	50.92	23.9	26	WSW 3	SW 3	W	SW	18
15	53.74	53.72	24.2	25.8	SSW 4	S 2	SW	SW	47.5
16	55.44	54.42	27.9	29	SSW 4	SSW 4	SW	SW	6.6
17	56.15	56.27	26.8	30.7	SSW 1	SW 3	SW		
18	56.42	55.29	26	31	SSE 1	SW 3	S	SW	
19	56.78	55.83	24.8	30.7	SE 1	SSW 3		SW	9.6
20	56.53	56.28	23.9	30.2	Calm	S 3			
21	56.45	55.32	24.4	30.4	SSE 1	S 3	SW	SW	
22	54.73	53.73	25.4	28	Calm	SSW 3	SW	SW	4.1
23	53.51	53.45	26	28.8	SW 1	WSW 3	SW	SW	.9
24	53.96	53.54	26.4	29	SSW 3	SSW 4	SW	SW	1.5
25	53.77	53.29	27.2	29.4	SSW 3	SW 4	SW	SW	
26	54.92	54.11	26.4	30.3	SSW 2	SSW 4	SW	SW	3
27	57.02	57.06	25.2	31.4	SW 1	SSW 2	SW		3
28	58.06	57.81	25.3	24.5	Calm	SE 3			27.1
29	56.88	56.20	22.8	27.9	Calm	Calm			2.5
30	56.49	55.22	23.9	29.4	Calm	SSW 2		SW	10.7
31	55.23	54.65	25.5	28.3	SSW 3	SW 3	SW	SW	.8
Mean	56.46	55.64	24.8	29	1.2	2.4			
Total									455.9

AUGUST.

	mm.	*mm.*	°C.	°C.					*mm.*
1	54.90	54.40	26.8	30	SSW 3	S 4	SW	SW	8.6
2	56.03	55.43	26.2	29.2	S 2	S 3	SW	SW	
3	56.60	55.48	25.6	30.7	SSE 1	S 4	SW	SW	
4	56.96	55.91	26	31.2	Calm	S 3	SW	SW	
5	56.86	56.56	25.2	31.3	SE 1	S 3	S	SW	
6	57.63	56.46	25.3	32	S 1	S 3	SW	SW	
7	57.70	56.25	24	32.8	Calm	W 2		W	
8	56.06	54.95	24.2	31	Calm	WSW 1		W	
9	54.78	53.14	24.5	31.5	WSW 1	SW 3			
10	53.58	53.06	26.2	30.7	SSE 1	S 3	SW		
11	54.13	54.37	25.5	29.4	SSE 1	SSW 3		SW	
12	55.69	55.22	26.4	30.4	S 1	SSE 3	SW	SW	
13	55.72	54.47	25.4	30	Calm	SW 3		SW	
14	55.57	55.66	26.6	30.2	SSW 1	SSW 3	SW	SW	
15	58.32	57.66	25.8	30.4	SW 1	SSW 3	SW	SW	
16	59.29	57.98	23.6	31.2	Calm	SSW 2		SW	
17	59	57	24.3	32.2	Calm	SSW 3			3.8
18	56.88	55.80	24.6	27	Calm	SSE 1		SW	25.4
19	56.54	55.93	22.8	26.4	W 1	W 1			1.3
20	57.04	55.95	22.8	29.2	Calm	W 1			2.7
21	57.57	56.02	23	31.5	Calm	WSW 3			7.7
22	57.06	55.64	23	31	Calm	SSW 1			26.7
23	56.18	55.37	23	29.6	Calm	WNW 2			19
24	55.07	53.68	24	25.5	W 1	NNW 1			11.1
25	52.39	51.35	24.5	28.4	WNW 2	SW 4			
26	53.18	52.68	25.2	30.4	Calm	SSW 4		SW	.2
27	55.84	55.58	25.3	30.3	SSE 1	S 4	SW	SW	
28	58.02	57.46	26.2	31.2	SE 2	SSW 3	SW	SW	
29	57.71	56.12	25	31.2	Calm	SSW 3	SW	SW	
30	56.09	55.51	26	29.9	Calm	SW 3		SW	
31	56.32	55.53	26.5	30.6	SW 2	SW 3	SW	SW	
Mean	56.28	55.37	25	30.2	0.7	2.7			
Total									106.5

NUEVA CACERES.

[ϕ=13° 37′ N; λ=123° 11′ E; barometer above sea, 8 meters; gravity correction not applied, —1.76 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.76	57.36	27	32.2	S 2	SW 3	S	SW	-------
2	58.96	57.20	24.4	32.2	Calm	SW 3	-------	SW	-------
3	58.01	56.60	24.2	32.5	Calm	SW 3	-------	-------	-------
4	58.53	57.31	24	32.4	Calm	SW 3	-------	-------	-------
5	58.58	56.92	24.3	32.5	Calm	SSW 3	-------	-------	-------
6	58.28	57	24	33.4	Calm	SW 3	-------	-------	14.5
7	58.60	57.29	23.8	27.8	Calm	Calm	-------	-------	-------
8	58.52	56.80	24	30	NNW 1	N 3	-------	N	2.8
9	57.92	56.75	23.4	26.8	Calm	Calm	-------	-------	12.7
10	58.54	57.98	22	31	Calm	N 3	-------	-------	-------
11	58.87	58.35	23.3	28.8	Calm	N 2	-------	-------	-------
12	58.67	57.34	23.4	27.5	Calm	NNW 1	-------	-------	1
13	58.61	56.28	22.6	31.3	Calm	N 3	-------	-------	-------
14	57.22	55.47	22.2	30.2	Calm	N 3	-------	-------	-------
15	56.58	54.26	22.6	32	Calm	NNW 2	-------	NW	7.4
16	54.62	53.36	25	31	Calm	SSW 3	-------	-------	-------
17	56.05	54.91	27	30.2	S 2	S 3	SW	-------	-------
18	56.40	56.13	25.4	24.5	Calm	SE 1	-------	-------	22.9
19	56.78	56.24	24.7	27.5	SE 1	Calm	S	-------	23.9
20	58.39	57.80	24	30.6	SW 1	SSW 1	-------	-------	-------
21	58.75	56.74	24.6	27.3	Calm	W 1	-------	-------	13.2
22	56.83	55.57	23.4	30	W 1	W 1	-------	-------	-------
23	57.97	56.38	23.2	31.2	Calm	NW 2	-------	-------	5.3
24	58.73	57.28	22.5	30.6	Calm	N 2	-------	-------	24
25	57.97	55.99	23.6	30	Calm	N 3	-------	-------	1.6
26	54.20	51.77	24.5	30.9	Calm	WNW 1	-------	-------	-------
27	51.52	51.39	27.8	28.9	SSW 3	SSW 4	SW	SW	2.5
28	54.16	54.34	26.9	28.7	SSE 3	SSE 3	S	S	2.3
29	57.05	56.63	25.6	29	S 1	SSW 2	SW	SW	-------
30	57.91	56.97	24.5	30.6	SE 1	S 2	-------	-------	-------
31	------	------	----	----	----------	----------	-------	-------	-------
Mean	57.37	56.15	24.3	30.1	0.5	2.1	-------	-------	-------
Total	------	------	----	----	----------	----------	-------	-------	134.1

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.76	57.33	24.3	31.6	SSE 1	SSW 2	-------	SW	-------
2	60.11	58.63	22.4	32.4	Calm	E 1	-------	-------	-------
3	60.70	58.86	22	32	Calm	N 2	-------	-------	-------
4	59.51	57.31	22.3	32	Calm	N 3	-------	-------	-------
5	59.44	57.56	23.4	32	Calm	NNW 1	-------	-------	2.5
6	59.49	57.86	22	33	Calm	NNW 1	-------	-------	27.7
7	60.02	58.79	22.2	31.6	Calm	WNW 2	-------	-------	-------
8	60.78	59.47	20.7	30.8	Calm	N 2	-------	-------	-------
9	60.81	59.51	23.7	27	Calm	N 1	-------	-------	.3
10	59.87	58.90	24.5	29.3	N 1	N 2	N	-------	-------
11	59.66	57.94	22.6	29.3	N 1	N 2	-------	N	-------
12	59.19	57.62	22	29.4	Calm	N 2	-------	N	10.2
13	58.70	57.78	24.4	29.6	Calm	NNE 2	-------	NE	.3
14	58.94	57.86	22.6	30.8	N 1	N 3	-------	-------	-------
15	59.55	57.96	21	31.4	Calm	N 2	-------	-------	-------
16	59.89	58.04	23.5	30.9	Calm	N 2	-------	-------	-------
17	60.47	58.41	21.8	31	Calm	N 3	-------	-------	-------
18	60.90	59.59	23.8	30.6	N 1	NNE 3	-------	-------	3.6
19	60.17	58.77	24.4	30.5	N 2	NNE 4	-------	-------	-------
20	59.81	58.44	24	29.6	N 1	NNE 4	-------	NE	-------
21	60.36	59.48	23.2	29.8	N 1	N 4	-------	N	-------
22	61.27	60.94	23	29.5	N 1	N 2	-------	N	-------
23	62.02	60.27	19.8	29.2	Calm	N 3	N	N	-------
24	61.93	60.38	20.4	30.4	Calm	N 2	N	N	-------
25	62.13	60.37	19	30	Calm	N 2	-------	-------	-------
26	61.89	60.28	18.4	30.5	Calm	N 2	-------	-------	-------
27	62.33	60.38	19	30.5	Calm	N 2	-------	-------	-------
28	62.57	61.03	20	30	N 1	N 1	N	N	-------
29	62.19	60.43	21.8	30.2	Calm	N 2	-------	-------	.5
30	61.95	60.37	22	30	Calm	N 3	-------	N	-------
31	61.16	59.06	21.8	31	N 1	N 3	-------	-------	-------
Mean	60.53	59.02	22.1	30.5	0.4	2.3	-------	-------	-------
Total	------	------	----	----	----------	----------	-------	-------	45.1

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	60.57	58.81	25	30.8	N 2	N 3	-------	N	0.8
2	60.87	59.10	23	29.2	N 1	N 3	-------	N	1.1
3	60.39	59.22	24	29.2	N 1	N 3	N	N	0.5
4	60.40	58.70	23.2	28.4	N 1	N 4	N	N	.7
5	58.13	56.70	21.8	27.9	N 1	N 3	N	N	.1
6	57.08	55.80	23	28.4	Calm	N 3	N	N	1.3
7	57.52	57.50	23.2	26.2	N 1	NNE 4	N	N	5.2
8	60.76	60.37	24.3	28.6	N 1	N 3	N	N	-------
9	63.32	61.98	22	29	Calm	N 3	-------	N	-------
10	63.26	62.10	21	29	Calm	N 3	N	-------	-------
11	63.09	61.25	17.8	29.3	Calm	N 3	-------	-------	-------
12	62.64	61.09	16.3	27.2	Calm	NNE 2	-------	NE	-------
13	62.41	60.18	23.4	30.7	N 1	NNE 3	-------	NE	-------
14	61.45	60.30	23.8	28.8	NNE 2	NNE 3	NE	-------	1
15	61.28	59.01	23.4	29.5	Calm	N 3	-------	Variable	-------
16	60.58	59.19	24.4	30.2	NNE 1	NNE 3	-------	-------	1
17	60.52	59.15	24	26.6	NNE 1	NNE 2	-------	-------	1.8
18	60.18	59.28	21.5	29.2	N 1	NNE 3	-------	-------	-------
19	60.30	59	23.2	29.4	Calm	NNE 3	-------	NE	-------
20	59.80	57.83	23	29.8	Calm	N 3	-------	-------	1.1
21	59.09	57.22	23.8	28.2	N 1	NNE 1	-------	-------	.5
22	59.08	57.48	20.4	29.2	Calm	N 3	-------	-------	-------
23	59.07	57.75	20.5	30	Calm	N 2	-------	-------	-------
24	59.37	58.39	20.6	29.8	Calm	N 3	-------	-------	-------
25	60.61	59.47	23	29.2	Calm	N 2	-------	-------	-------
26	61.42	60.03	22.4	30	NNE 1	N 3	-------	-------	-------
27	62.11	60.63	17.8	26	Calm	NNE 1	-------	NE	1
28	61.82	60.14	19.2	30	Calm	NNE 3	-------	-------	-------
29	61.92	59.78	24	30	N 1	NNE 3	N	-------	-------
30	61.22	60.54	22.2	23.3	Calm	NNE 1	-------	-------	30.1
31	------	------	----	----	----------	----------	-------	-------	-------
Mean	60.68	59.27	22.2	28.8	0.6	2.7	-------	-------	-------
Total	------	------	----	----	----------	----------	-------	-------	44.3

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	61	59.88	21.8	29.7	NNE 1	N 3	NE	-------	0.8
2	60.29	58.73	24	28.5	Calm	N 1	-------	-------	1.1
3	60.21	59.51	23.8	26.5	N 1	N 2	-------	-------	1.4
4	60.07	58.18	21.7	31.2	Calm	NNE 1	-------	-------	-------
5	60.03	58.18	19.7	30.4	Calm	N 3	-------	-------	-------
6	59.24	57.49	21.8	28.8	Calm	NE 3	-------	NE	5.8
7	56.84	56.33	24.9	24.5	N 3	NNW 3	N	N	7.3
8	56.73	56.73	23	28.2	NW 1	S 3	SW	S	.1
9	58.28	56.63	21.8	31.2	SE 1	S 3	-------	-------	-------
10	58.15	56.21	21.8	32.2	SSW 1	SW 3	-------	-------	-------
11	58.22	56.49	21.4	31.8	Calm	W 2	-------	-------	5.8
12	59.65	58.72	24	31.5	Calm	ESE 3	N	E	-------
13	61.05	59.17	21.5	30.6	Calm	NNW 2	-------	E	-------
14	61.37	59.69	18.3	29.2	Calm	NNE 3	-------	-------	2.8
15	61.25	60.28	23.8	26.8	NNE 2	NE 2	NE	NE	3.1
16	61.40	60.31	22.6	25.9	NNE 1	ESE 2	NE	E	14.2
17	62.45	60.44	20.4	31.6	ESE 1	ESE 3	-------	-------	-------
18	62.91	61.93	19.8	30.5	Calm	NNW 2	-------	-------	-------
19	62.45	60.58	20.6	29.6	Calm	N 1	-------	-------	-------
20	62.02	61.36	23	31	Calm	ESE 3	-------	-------	-------
21	63.33	62.43	20	32	Calm	ESE 1	-------	-------	-------
22	63.74	62.01	18.2	31	Calm	N 3	-------	-------	-------
23	63.36	62.12	20.8	31	Calm	N 2	-------	-------	-------
24	63.87	62.12	23	29	NNE 2	NNE 3	N	-------	-------
25	62.47	61.02	20.4	29	NNE 1	NNE 3	-------	-------	-------
26	62.72	59.87	17	29.3	Calm	NNE 3	-------	-------	-------
27	61.46	60.23	19	30.4	Calm	NNE 3	-------	NE	-------
28	61.64	59.68	17.8	30	Calm	N 2	-------	-------	-------
29	61.57	59.28	17.4	29.9	Calm	N 3	-------	-------	-------
30	60.53	59.08	18.4	28.3	Calm	NNE 3	-------	-------	-------
31	60.96	58.70	17.4	29.4	Calm	N 3	-------	-------	-------
Mean	60.94	59.46	20.9	29.6	0.5	2.5	-------	-------	-------
Total	------	------	----	----	----------	----------	-------	-------	42.4

BATANGAS.

[$\varphi = 13° 45$ N; $\lambda = 121° 03'$ E; barometer above sea, 4 meters; gravity correction not applied, −1.75 mm.]

JANUARY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	61.34	59.98	20	30.2	Calm		E	2	E	E	------
2	60.66	58.88	21	30.4	Calm		E	2	ENE	ENE	------
3	61.44	60.09	20.4	29.5	NE	1	E	2	E	E	------
4	61.79	60.35	20.8	29	Calm		ENE	4	E	E	------
5	61.94	59.62	23.3	30	Calm		W	2	E	ENE	1.8
6	61.37	59.93	23.2	28.8	Calm		NE	1	NE	NE	4.5
7	61.74	60.22	23.3	28.2	NE	1	E	3	NE	ENE	------
8	62.27	60.25	21.3	29	Calm		ENE	2	ENE	ENE	------
9	59.72	57.48	21.3	30.6	ENE	1	ESE	2	ENE	E	------
10	58.15	56.22	21.4	30.8	ENE	1	S	2	------	E	------
11	58.06	56.34	21.5	31.2	Calm		E	2	E	E	------
12	58.04	57.61	22	29.1	ENE	1	ENE	3	E	E	------
13	59.73	59.09	22.2	29.8	ENE	1	SE	2	E	ENE	------
14	60.74	58.62	22.8	30	Calm		S	2	E	E	------
15	59.84	57.66	21.4	30.6	NE	1	SSW	2	------	NE	------
16	59.16	58.55	21.6	29.4	ENE	1	NNE	2	E	NE	------
17	59.71	57.85	22.8	32	NNE	1	ESE	2	E	E	------
18	60.60	58.45	19.5	30.2	SE	1	S	2	E	W	------
19	59.98	59.60	20.5	30	Calm		W	2	E	E	------
20	60.58	59.60	20.4	27.5	ENE	1	E	2	E	E	1.3
21	60.62	58.64	22.6	32	Calm		E	2	SE	E	------
22	60.84	58.15	21.2	31.5	Calm		E	3	E	E	------
23	59.49	57.10	23	28.8	Calm		N	2	NE	ENE	------
24	58.21	56.45	21	29.5	Calm		ENE	2	ENE	ENE	9.1
25	58.59	57.40	22.4	30	ENE	1	NE	3	E	E	------
26	58.15	56.43	21.5	31.2	Calm		SSE	2	E	ESE	------
27	57.66	56.09	21	29.7	Calm		NW	2	E	SW	------
28	56.86	55.87	22	31.4	ENE	1	ENE	2	E	E	------
29	57.54	55.57	22.1	33.4	NE	1	E	2	E	E	------
30	57.94	56.31	23.4	32.7	NE	2	E	2	E	NE	------
31	58.16	56.68	22.4	32	NE	1	ESE	3	E	E	------
Mean	59.71	58.10	21.7	30.3	0.5		2.2		------	------	------
Total	------	------	------	------	------		------		------	------	16.7

FEBRUARY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	57.68	56.33	22.6	32	ENE	1	E	2	E	E	------
2	59.18	57.65	20	31.8	ENE	1	ESE	2	E	E	------
3	59.79	57.57	22	31.2	ENE	1	ESE	2	E	E	------
4	60.80	59.23	21.4	30.4	E	1	ENE	3	E	ENE	0.8
5	61.63	60.52	22.3	29.4	Calm		NNE	2	E	NE	------
6	60.04	59.02	21.9	25.8	Calm		NE	2	NE	NE	18.8
7	60.82	59.21	22.4	29	ENE	1	E	5	NE	ENE	------
8	60.55	58.90	22.5	27.6	E	2	E	3	E	E	------
9	60.31	58.72	20	30.5	Calm		E	4	E	E	------
10	61.59	61.15	22.4	29.2	Calm		E	2	E	ENE	------
11	62.04	61.29	22	24	Calm		E	1	E	E	44.5
12	61.73	60.75	23.8	27.6	NE	2	E	3	E	E	5.6
13	61.80	60.69	22.3	28.8	E	1	ENE	3	NE	NNE	.5
14	61.09	59.60	21	28.3	NNE	1	E	1	NNE	NNE	------
15	60.31	58.46	19.8	29.2	Calm		SSE	2	ENE	NE	------
16	59.72	58.05	21	27	Calm		SE	1	NE	NNE	------
17	58.96	57.72	23	29	Calm		SE	2	NE	NNE	.8
18	59.01	58.45	22.8	29.2	Calm		NE	3	NNE	N	------
19	60.86	60.80	23.4	28	ENE	2	NE	3	NE	NE	------
20	62.82	61.86	21	28.4	Calm		NE	3	NE	NE	------
21	62.23	61.08	22	26.4	E	1	E	1	NE	NE	------
22	61.05	58.99	19	29	NE	1	SSE	2	ENE	NE	------
23	61.11	59.13	18.8	30.4	NE	1	SSE	2	NE	NNE	------
24	62.29	60.77	19	29.3	Calm		SSE	2	ENE	NE	------
25	62.37	60.51	21.3	29.5	Calm		NE	2	NNE	NNE	1.5
26	60.73	59.32	22	27	Calm		S	1	NNE	NNE	2.3
27	60.46	58.47	21.8	29.2	Calm		SSE	2	NE	E	------
28	59.76	57.94	20.4	29.9	Calm		S	2	E	SW	------
29	------	------	------	------	------		------		------	------	------
30	------	------	------	------	------		------		------	------	------
31	------	------	------	------	------		------		------	------	------
Mean	60.74	59.36	21.5	28.8	0.6		2.2		------	------	------
Total	------	------	------	------	------		------		------	------	74.8

MARCH.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	60.70	59.60	21.2	30.3	NE	1	S	3	E	E	------
2	60.56	59.72	21.4	26.8	Calm		E	2	NE	NE	------
3	60.33	59.03	20	30.5	Calm		ESE	2	ENE	ENE	------
4	60.44	58.91	21	30.8	NE	1	E	2	ENE	SE	------
5	60.75	59.53	21.3	31	NE	1	ESE	2	E	E	------
6	60.46	58.50	20	31	ENE	1	SE	2	E	E	------
7	59.86	58.75	19.4	29.4	NE	1	S	3	E	E	------
8	60.48	58.32	19.4	31.9	NE	1	SSE	2	E	E	------
9	59.72	59.15	18	28.4	NE	1	S	2	E	E	------
10	59.03	57.83	17.5	31.4	ENE	1	S	2	E	SE	------
11	58.84	58.03	21	28.4	Calm		N	1	E	E	0.3
12	59.23	59.17	23.3	27.8	Calm		E	3	SE	SE	1.5
13	60.41	59.16	24.4	33.3	E	1	E	2	ESE	E	------
14	60.16	58.54	24	33.2	ENE	1	ESE	2	ESE	ESE	------
15	58.96	57.26	22.4	33.2	NE	1	E	3	ESE	E	------
16	58.84	57.41	23.4	35.3	E	1	NE	1	ESE	E	------
17	58.76	58.01	22	34.3	Calm		S	2	E	E	------
18	59.09	58.13	22.4	30.4	Calm		S	3	E	NE	------
19	59.66	58.77	23.2	31.8	NE	1	SE	2	E	SE	------
20	60.47	60.27	23.4	25.2	NE	1	SE	1	E	NE	5.6
21	60.82	59.34	22	33.4	Calm		ESE	2	E	E	------
22	60.99	59.46	22.2	33.2	NE	1	SE	2	E	E	------
23	61.34	59.17	20	32.8	Calm		ESE	2	E	E	------
24	60.95	59.05	21.5	32.5	ENE	1	S	2	E	E	------
25	60.69	59.85	22	28.2	Calm		NNE	2	E	ESE	------
26	61.72	60.67	24	27.6	E	1	E	2	ENE	E	5.4
27	61.87	60.70	23.4	32	ESE	1	E	3	E	E	------
28	61.51	60.25	22.2	30.8	E	1	E	3	E	E	------
29	60.96	60.42	25	32.8	E	2	E	4	E	E	------
30	61.43	59.52	24	32.7	E	2	E	3	E	E	------
31	60.10	58.10	22.6	32.8	E	1	E	3	E	E	------
Mean	60.29	59.05	21.9	31.1	0.8		2.3		------	------	------
Total	------	------	------	------	------		------		------	------	12.8

APRIL.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	58.51	56.67	20.5	33	E	1	ESE	3	E	E	------
2	58.55	57.53	21.7	33.1	Calm		E	3	E	E	------
3	59.46	58.35	20.5	30	Calm		SSW	1	E	NE	0.3
4	59.17	57.78	24.3	32.3	E	1	SSE	3	E	E	------
5	59.08	58.01	22.6	30.5	E	1	E	3	E	E	------
6	59.24	58.08	24.4	32.8	E	1	E	4	E	E	------
7	59.15	57.40	20.8	33.6	Calm		ESE	3	E	E	------
8	58.99	56.55	22	33	NE	1	E	3	E	E	------
9	57.34	55.49	24.4	31.4	NE	1	E	2	E	E	------
10	57.33	55.75	25.4	32.6	Calm		SE	3	SE	SE	------
11	56.94	55.22	24.8	32.5	E	1	SW	2	E	E	------
12	57.94	56.06	24	34.8	Calm		S	3	E	E	------
13	58.43	57.61	23.8	34.7	NE	1	SE	3	E	E	------
14	58.44	56.38	23.4	34.4	NE	1	S	3	E	E	------
15	57.66	56	22.8	32.8	NE	1	SW	2	------	------	------
16	58.46	56.70	23.3	32.3	Calm		SW	2	------	W	------
17	59.11	56.62	23.4	33.8	Calm		SW	2	------	W	------
18	58.54	56.92	23.8	31.8	NE	1	SW	2	W	W	------
19	58.99	58.03	24.3	30.8	NE	1	WSW	2	W	W	------
20	59.99	58.60	24.9	32.8	Calm		NE	2	NNE	ENE	------
21	60.80	59.16	24.4	31.8	Calm		E	2	ENE	E	------
22	59.84	57.77	25	29	Calm		E	3	E	E	53.3
23	55.66	53.87	22.8	23.9	Calm		W	2	N	NW	85.9
24	57.25	56.67	24.4	29.8	Calm		SW	2	SW	SW	------
25	58.34	57.70	23	31	ESE	1	SW	2	------	SW	------
26	59.29	58.06	24.5	30.6	Calm		WSW	2	SW	SW	.3
27	58.18	56.72	24.4	30.4	Calm		WSW	2	SW	SW	5.3
28	57.84	56.88	25	31.5	Calm		W	3	W	W	------
29	58.56	57	24.4	32	ESE	1	W	3	W	W	------
30	58.65	58.03	23.5	30.8	Calm		W	2	W	W	17.3
31	------	------	------	------	------		------		------	------	------
Mean	58.52	57.05	23.6	31.8	0.5		2.5		------	------	------
Total	------	------	------	------	------		------		------	------	162.4

BATANGAS.

[$\phi = 13°\ 45'$ N; $\lambda = 121°\ 03'$ E; barometer above sea, 4 meters; gravity correction not applied, —1.75 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.46	58.42	23.4	24.5	Calm		Calm		E	E	24.6
2	58.94	57.40	23.5	30.8	Calm		SW	2	NE	NE	-------
3	58.41	56.82	24.3	31.8	Calm		E	2	E	NE	-------
4	59.04	57.90	23.7	31.4	E	1	NE	1	E	E	4.6
5	60.15	58.20	24.3	32	E	1	SE	2	E	E	-------
6	59.61	57.98	24	29.5	Calm		SW	2	E	E	-------
7	58.85	58.45	24.4	29	SE	1	Calm		E	WNW	-------
8	58.84	57.30	23	30.5	Calm		SW	2	-------	W	-------
9	59	58.07	23.4	29	Calm		ENE	1	E	NE	-------
10	58.99	57.62	23.5	28.9	Calm		SE	1	E	W	-------
11	58.44	56.91	23.8	31.8	Calm		SSW	2	E	NE	2
12	58.58	56.42	24	33.5	Calm		ESE	2	ENE	ENE	-------
13	58.75	56.58	23.4	32.3	ENE	1	SSE	3	ENE	ESE	-------
14	58.35	56.30	24.4	32.3	ENE	1	SE	2	ENE	ENE	-------
15	57.96	56.52	24.4	31.7	E	1	SSE	1	ENE	E	5.8
16	58.53	57.75	25	31.3	Calm		S	2	E	E	-------
17	57.96	56.74	24.4	30.2	E	1	SW	2	E	E	21.1
18	57.36	55.44	24.8	32.6	Calm		S	2	E	E	-------
19	57.03	55.68	23.8	34.2	Calm		SE	2	E	E	-------
20	57.33	56.40	23.7	28.8	Calm		SSW	2	E	NE	-------
21	57.88	56.21	24.6	30	Calm		SW	2	E	E	-------
22	57.18	55.63	24	31.5	Calm		S	2	E	E	-------
23	57.14	55.34	24.3	33.8	Calm		S	2	E	E	-------
24	56.38	55.18	24.4	34	Calm		S	2	E	E	-------
25	57.30	56.15	23.4	32.6	ENE	1	S	2	E	E	-------
26	57.80	56.95	24.4	31	Calm		SW	2	E	E	-------
27	58.44	56.58	24.4	33.6	E	1	SW	2	E	E	.8
28	58.20	55.80	25.5	31.4	ENE	1	SW	1	E	E	1.3
29	57.35	56.07	24.4	32.9	Calm		SW	2	W	W	-------
30	56.98	56.20	25.4	31.8	Calm		SW	2	SE	SE	-------
31	57.32	57.54	25	31	Calm		WSW	2	E	N	29.2
Mean	58.18	56.79	24.2	31.3	0.3		1.7		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	89.4

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58.11	57.97	24	27.1	Calm		SSE	1	E	SE	6.6
2	59.16	58.30	23.4	31.4	ENE	1	S	2	NE	SE	-------
3	59.14	58.53	25	30.6	Calm		WSW	2	SE	E	-------
4	60.16?	58.41	24	34.8	Calm		SE	2	E	E	-------
5	59.71	57.84	25.1	32.3	E	1	E	2	E	E	-------
6	59.14	57.55	24.5	32.8	Calm		SE	3	E	E	-------
7	58.65	57.24	25.4	33	Calm		SE	2	E	E	-------
8	58.16	57.04	24.2	34.8	Calm		E	2	E	E	-------
9	58.52	57.73	25.5	35.5	E	1	E	2	E	E	-------
10	60.56	59.05	25.4	32.7	E	1	ENE	1	E	E	-------
11	59.50	58.94	25	26.6	Calm		Calm		E	E	18.3
12	58.81	57.14	23.4	34	Calm		ESE	2	E	E	-------
13	58.87	58.44	25.6	25.7	Calm		SE	1	E	E	25.4
14	60.21	58.82	23.8	30.5	Calm		W	2	E	W	-------
15	60.01	58.78	24.4	31.8	Calm		NW	3	W	W	2
16	58.61	58.02	24.8	30	W	1	W	3	W	W	3.6
17	56.30	55.19	25.8	27	W	3	WSW	3	W	WSW	104.6
18	55.46	54.52	24.4	27	WSW	1	SW	5	WSW	SW	8.4
19	55.73	55.97	24.3	27.5	Calm		Calm		SW	SW	19
20	56.94	56.37	23.8	29.8	Calm		SW	2	SW	SW	1.3
21	58.91	58.58	24.4	32.3	Calm		SW	2	SW	SW	-------
22	60.09	59.39	23.4	31.6	Calm		SW	2	-------	E	-------
23	60.77	59.50	24.3	32.4	Calm		WSW	3	E	W	-------
24	59.06	57.53	24.4	31.2	Calm		SW	2	E	W	-------
25	57.29	56.26	24.8	32.1	Calm		W	3	W	W	-------
26	57.66	56.05	24.8	32	Calm		W	3	W	W	-------
27	56.83	56.45	25.9	30	Calm		SW	3	W	W	-------
28	57.64	56.73	25	32.8	Calm		WSW	2	E	W	-------
29	57.71	56.47	25	29.4	WNW	1	W	2	NW	NW	1
30	56.19	54.77	24	30.5	Calm		W	2	W	N	54.4
31	-------	-------	-------	-------	-------		-------		-------	-------	-------
Mean	58.46	57.45	24.6	31	0.3		2.1		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	244.6

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	54.51	52.82	25.3	27.1	W	3	WSW	4	W	W	78.3
2	54.61	55.75	23.8	28.8	Calm		SSW	1	SW	S	10.4
3	57.95	57.25	24.5	31.4	Calm		SW	2	SW	SW	.5
4	58.61	58.19	23.9	26.2	Calm		NE	1	E	W	-------
5	58.76	57.80	23.4	30	Calm		S	2	E	E	-------
6	58.64	57.20	23.5	31.1	Calm		WSW	2	E	E	1.3
7	58.30	56.98	23.4	31.4	Calm		SW	2	E	E	-------
8	58.46	56.88	24.4	31.4	Calm		W	2	E	E	-------
9	58.21	57.35	24	33	Calm		W	2	E	W	-------
10	58.26	57.70	25	32.3	Calm		WNW	3	W	W	-------
11	58.73	57.45	24.3	31.9	Calm		W	2	W	W	-------
12	58.72	57.65	25.8	30.8	Calm		WNW	3	W	WNW	-------
13	57.19	56.12	24.9	28.1	W	2	W	3	WNW	W	56.2
14	53.96	52.76	24.8	24.5	W	7	W	7	W	W	128.5
15	52.81	52 87	26	28.3	WSW	3	SW	7	SW	WSW	12.5
16	54.49	53.89	26.8	31.4	SW	4	SSW	3	SW	SW	.8
17	55.52	55.65	26.9	30	SSW	3	SSW	3	SW	SW	14.2
18	56.05	55.90	24.4	27	SW	1	SSW	3	WSW	W	5.6
19	56.36	55.45	24.4	28.4	Calm		SSW	2	W	W	-------
20	55.70	56.19	23.4	26.8	Calm		SSW	2	W	SW	.5
21	55.42	55.68	23.3	26.5	Calm		SSW	2	SW	SW	1.1
22	54	54.46	24.8	25.4	Calm		SW	3	SW	SW	41.1
23	53.46	52.25	24.2	25.5	SW	1	SW	2	SW	SW	52
24	52.94	53.19	27	27.8	SSW	3	SSW	3	SW	SW	44.7
25	53.29	52.86	25.9	29	SSW	5	SSW	5	SW	SW	1
26	54.19	54.15	27.3	31.6	SSW	2	SSW	3	WSW	WSW	-------
27	56.52	57.25	25	27.8	Calm		SSW	2	WSW	SW	.3
28	57.50	56.60	24.8	31	Calm		SW	2	W	W	9.1
29	57.15	56.14	24	29	Calm		SSW	2	W	NE	-------
30	56.70	55.51	24	30	Calm		SW	2	W	W	-------
31	56.44	54.88	25.9	29.5	SSW	1	SW	2	SW	SW	14.5
Mean	56.24	55.64	24.8	29.1	1.1		2.7		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	472.6

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	54.21	54.14	26.4	25.3	SW	4	SW	4	SW	SW	20.8
2	55.49	55	26.8	27.8	SW	2	SSW	2	SW	SW	9.1
3	55.80	55.18	24.8	31	Calm		SW	2	SW	SW	-------
4	56.23	55.42	26.8	32.2	SSW	2	SSW	3	SW	SW	-------
5	56.44	56.04	23.8	32.6	Calm		SW	2	SW	SW	-------
6	57.57	56.45	24	32.6	Calm		SW	3	-------	SW	-------
7	58.04	57.10	23.9	32	Calm		SSW	3	W	W	-------
8	56.39	55.53	27	31	SW	2	SW	3	W	W	-------
9	55.05	53.86	27.4	30.7	SW	3	SW	3	W	W	-------
10	53.84	53.30	27.4	31.3	SW	4	SW	4	W	W	-------
11	53.58	54.37	27.8	32.7	SW	5	SW	3	W	W	-------
12	55.18	55.17	27	29.7	SW	2	SSW	2	SW	SW	27.5
13	55.46	54.50	24.8	28.1	Calm		SW	2	SW	SW	25.7
14	55.51	54.88	25.2	28.8	SW	2	SW	4	SW	SW	24.4
15	57.62	57.30	26.8	30.4	SSW	2	SW	2	S	SW	-------
16	58.98	58.12	23.8	31.6	Calm		SW	2	SW	SW	-------
17	58.50	57.12	22.8	31.6	Calm		SW	2	-------	SW	-------
18	56.53	55.83	26.8	26	SW	2	SW	1	W	W	24.1
19	56.16	55.43	24.8	30.8	Calm		SSW	2	W	W	4.8
20	56.93	55.66	25.8	30.5	SW	1	SW	2	WSW	W	.8
21	57.06	56.25	23.2	30.7	SW	2	SW	2	WSW	WSW	.3
22	56.77	55.62	23	31.4	Calm		SW	2	WSW	WSW	-------
23	56.14	55.35	23.8	30.9	Calm		SSW	2	E.	W	-------
24	56.09	55.18	25.8	28.7	WSW	2	SW	3	W	W	.5
25	54.01	52.73	25.7	27.6	W	3	W	3	W	W	4.8
26	53.04	53.10	26.8	30.1	W	3	WSW	3	W	SW	-------
27	54.97	55.27	26.4	30.8	WSW	2	WSW	2	SW	SW	-------
28	57.21	57.08	25.4	30.6	SW	1	WSW	3	SW	SW	-------
29	57.39	56.19	26.8	31.1	SW	1	W	2	SW	SW	-------
30	55.73	55.57	27.3	32.1	W	3	W	3	SW	SW	3.3
31	55.92	55.43	26.8	32.3	W	2	W	4	WSW	WSW	-------
Mean	56.06	55.42	25.6	30.4	1.6		2.6		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	146.1

BATANGAS.

[$\phi = 13°\ 45'$ N; $\lambda = 121°\ 03'$ E; barometer above sea, 4 meters; gravity correction not applied, —1.75 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	56.75	57.03	27.4	32.1	W 3	WSW 3	WSW	WSW	
2	58.06	57.57	25.2	32.8	WSW 1	W 2	WSW	WSW	
3	57.91	56.83	24.3	31.9	Calm	W 3	WSW	WSW	
4	58.44	57.34	24.4	32.6	Calm	W 3	WSW	W	
5	57.79	57.47	24.8	32.3	Calm	W 2	W	W	
6	57.80	57.34	24.6	32.5	Calm	W 2	W	W	
7	58.54	58.12	24.9	25.2	Calm	Calm	E	NE	10.2
8	58.19	56.73	23.1	31.4	Calm	W 2	E	E	6.6
9	57.39	56.18	23.4	31.6	Calm	NE 1	NE	ENE	
10	58.16	57.86	24.4	34.3	NE 1	NE 2	ENE	ENE	
11	58.65	58.35	24.4	29.8	Calm	NE 1	NE	NE	
12	58.80	56.98	23.3	31.8	Calm	WSW 2	NE	E	12.2
13	58.24	56.67?	23.4	26	Calm	WNW 2	E	NE	24.9
14	57.09	55.70	22.8	30.4	Calm	W 2		N	9.1
15	56.60	55.46	24.4	31.4	Calm	WNW 2	W	W	
16	55.03	54.05	27.2	29.8	W 3	W 3	W	W	
17	55.35	54.76	27.3	28.7	W 3	W 3	WSW	WSW	18.6
18	55.75	55.01	24.4	28.4	Calm	Calm	WSW	WSW	26.5
19	55.50	55.01	23.8	29.7	Calm	WSW 2	SW	SW	29.7
20	57.59	57.08	23.6	30.8	Calm	SW 1	SW	SW	
21	58.16	56.73	24.3	31	Calm	W 2	SW	SW	11.4
22	56.88	55.30	24.6	30	Calm	SW 1	SW	E	15
23	56.96	55.75	23.4	32.3	Calm	WSW 2	E	E	.5
24	58.44	56.88	23.4	32.2	Calm	SSW 2			
25	58.16	56.23	23.9	32.3	Calm	W 2	N	N	.5
26	55.39	53.79	26.2	30.5	WNW 1	WNW 3	WNW	W	23.4
27	51.85	51.56	25.5	26	WSW 4	WSW 5	WSW	WSW	25.4
28	52.87	53.41	27.3	28.6	SW 4	SW 2	SW	SW	34
29	55.85	56.04	25.5	24.8	SW 3	SW 2	SW	SW	12
30	56.77	56.13	26.4?	30.5	SW 3	SSW 3	SW	SW	
31									
Mean	56.97	56.11	24.7	30.4	0.9	2.1			
Total									260

OCTOBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.44	56.57	24	32.2	Calm	SW 2	SW	SW	
2	59.63	58.86	24.7	28	Calm	SSE 2	SW	W	0.8
3	60.15	58.69	23.8	32.6	Calm	S 2	E	ENE	.5
4	59.24	57.54	24	32.5	Calm	SW 2	NE	ESE	
5	58.91	57.38	23.4	30	NE 1	SW 2	E	E	
6	58.74	57.85	23.4	27.7	Calm	W 1	E	W	
7	59.37	58.48	23	31.5	Calm	SW 2	E	E	
8	60.36	59.44	22.8	31.8	Calm	SW 2	E	E	
9	60.85	59.59	21.9	31.5	NE 1	SW 2	E	E	.5
10	60.08	58.90	24.8	31.8	Calm	SE 2	E	ENE	
11	59.46	58.07	22.4	28.5	ENE 1	SSW 2	NE	E	.5
12	59.37	57.75	22.4	31.2	Calm	SSW 2	E	ENE	.3
13	59.24	57.41	23.9	30	Calm	NE 1	E	E	
14	59.16	57.89	22.8	29.4	Calm	E 2	E	E	
15	59.26	58.21	23.4	28.2	Calm	S 1	E	E	.5
16	59.76	57.82	23.8	30	ENE 1	E 2	E	E	1.3
17	60.36	58.18	22.5	30.4	Calm	E 1	E	E	
18	60.86	59.71	23.4	30.5	E 2	E 2	E	E	
19	60.50	58.88	23.3	30.2	ENE 1	ENE 1	E	ENE	
20	59.79	58.42	23	29.8	E 1	E 2	ENE	E	
21	60.24	59.57	22.8	27.8	ENE 1	E 1	NE	ENE	
22	61.30	60.24	19.7	31.8	Calm	E 2	E	E	
23	62.05	60.44	21.7	27.8	ENE 1	S 1	NE	ENE	1.1
24	61.79	60.10	20.8	29.6	ENE 1	E 2	ENE	E	
25	61.86	59.95	23.3	32.8	ENE 1	ENE 2	E	ESE	
26	62.67	60.10	20.5	31	E 1	E 2	E	E	
27	62.37	60.08	22	31.3	E 1	E 2	E	NE	
28	62.49	60.83	20.4	30.2	Calm	SSW 2	E	E	
29	62.46	60.80	24.6	29.8	Calm	NE 1	E	ENE	
30	61.52	60.38	23.4	30.5	NE 1	SSW 2	ENE	E	
31	61.04	60.25	23.2	32	Calm	SW 2	E	NE	
Mean	60.40	58.98	22.9	30.4	0.5	1.7			
Total									5.5

NOVEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	60.74	59.08	22.3	33	Calm	NE 2	E	NE	
2	61.14	58.78	21	32.4	Calm	NE 1	NE	NE	
3	61.07	58.96	22	29.4	NE 1	SW 1	NE	NE	
4	60.67	58.20	19.7	31.2	Calm	S 2	E	ENE	
5	59.22	56.61	19.8	30.3	Calm	SSW 2	NW	N	
6	57.43	56.22	19.4	29.8	Calm	SSW 2			
7	58.31	57.18	23.4	31.4	Calm	WSW 2	NNE	N	
8	60.35	59.49	22.6	31.3	Calm	WSW 2	W	SW	
9	62.44	60.99	22.4	30	Calm	ESE 1		E	
10	63.10	61.38	22	31	Calm	E 2	NE	E	
11	62.47	60.84	20.5	30.2	Calm	E 2	ENE	NE	
12	62.11	60.38	20.1	30.8	Calm	E 2	NE	E	
13	61.84	60.34	23.2	29.4	NE 1	E 2	NE	NE	
14	61.57	59.64	24.4	30	NE 1	E 3	NE	E	
15	61.24	58.82	21	31.9	NE 1	E 3	ENE	ENE	1.3
16	60.51	58.48	24.8	32	E 1	E 4	E	ENE	
17	60.56	58.44	22.8	31.4	Calm	ENE 3	NE	ENE	
18	59.96	58.86	24.2	31.3	E 3	ENE 3	ENE	ENE	.8
19	60.37	58.72	21.2	30.3	Calm	E 3	ENE	NE	
20	59.84	58.25	22.8	28.8	Calm	E 3	ENE	NE	.3
21	59.04	57.08	23	30.8	Calm	ENE 3	ENE	E	
22	58.96	56.98	22.8	32.7	ENE 1	E 2		E	
23	59.15	58.21	21	30.9	ENE 1	SE 2	ENE	E	
24	59.22	57.82	21.8	32.8	ENE 1	SW 2	ENE	E	
25	60.59	58.67	22.2	32.4	Calm	E 2	E	E	
26	61.32	59.53	21.4	32.5	Calm	ENE 2	E	ENE	
27	62.19	59.75	20.3	31.9	Calm	ESE 2	E	E	
28	61.45	59.58	21.2	32	Calm	SE 2	ENE	E	
29	61.97	59.51	21	32.2	Calm	E 2	E	E	
30	61.44	59.70	18.4	31.8	Calm	E 2	E	E	
31									
Mean	60.68	58.88	21.8	31.2	0.4	2.2			
Total									2.4

DECEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	61.39	59.55	21.5	30.4	ENE 1	ENE 2	E	E	
2	60.56	59.36	22.4	29.4	Calm	ENE 2	E	ENE	.3
3	60.82	59.10	22	32.8	Calm	E 2	E	E	
4	60	58.02	23.4	29	E 1	E 2	E	ENE	3.6
5	60.12	58.25	22.6	32	ENE 1	E 3	E	ENE	
6	59.41	57.31	22	29.3	Calm	SSW 2	E	NE	
7	58.59	57.25	21.6	28.4	Calm	SSW 2	E	NE	
8	56.88	56.63?	26.2?	28.8	SW 2	WSW 2	W	W	
9	57.56	56.32	24.8	29	SW 1	SW 2	WSW	WSW	5.8
10	57.98	55.90	24.4	30.6	Calm	WSW 2	SW	W	
11	57.64	55.80	23.8	31.3	Calm	WSW 2	SW	NE	4.3
12	59.50	58.38	24.8	31.8	Calm	SE 2	E	E	
13	60.44	58.62	23.4	31.8	ENE 1	ENE 2	ENE	E	
14	61.06	58.90	19.4	31.6	E 1	E 2	E	NE	
15	61.24	59.72	24.4	29.3	Calm	ESE 4	NE	NE	1.8
16	61.74	60.50	23.4	27.4	Calm	E 2	NE	E	13.5
17	61.83	60.13	23	31.6	Calm	E 2	E	E	
18	63.02	61.18	22.4	30.8	Calm	ENE 3	E	E	
19	62.38	60.05	23.2	31.7	ENE 1	E 2	E	E	
20	62.02	61.41	23.5	28.6	Calm	ENE 2	E	NE	
21	62.94	61.85	22.5	29.8	ENE 1	E 3	NE	ENE	
22	63.24	61.73	21	29.2	Calm	E 3	ENE	E	
23	63.21	61.48	20	31.8	Calm	E 2	E	ENE	
24	64.17	61.65	22.4	30.4	Calm	ENE 3	E	E	
25	62.42	60.41	23	31.5	Calm	ENE 3	E	E	
26	62.29	59.23	19	30.6	Calm	ENE 3	E	E	
27	61.39	59.70	22.6	31.4	Calm	ENE 4	ENE	ENE	
28	61.39	58.90	23.4	30.9	Calm	ENE 3	ENE	E	8.1
29	61.12	59	21.4	31	Calm	ENE 2	E	E	
30	60.87	58.78	21	31.6	Calm	ENE 2	E	E	
31	60.99	58.19	21.4	31	Calm	E 2	E	ENE	
Mean	60.91	59.14	22.6	30.5	0.3	2.4			
Total									37.4

IBA.

[ϕ=15° 20′ N; λ=119° 58′ E; barometer above sea, 4.81 meters; gravity correction not applied, —1.69 mm.]

JANUARY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	60.92	60.02	19.2	29.7	Calm	NW 1			
2	60.52	58.92	18.8	29.5	Calm	WNW 2		NE	
3	60.84	59.99	18.4	29.3	Calm	W 1		ENE	
4	61.70	60	18.6	29	Calm	NW 2		ESE	
5	61.62	59.85	22.4	29.8	Calm	NW 4			
6	61.34	59.52	22.5	29.8	Calm	NW 2		ENE	
7	61.31	59.71	19.4	30	Calm	NW 2		ENE	
8	61.62	60.10	23.5	29.8	SE 3	NW 2			
9	59.27	58	18	29.8	Calm	WNW 2		N	
10	58.15	55.95	19.9	30.6	Calm	NW 3			
11	57.82	56.35	23.4	29.6	Calm	WNW 3			
12	57.94	57.37	21.7	30.5	Calm	ESE 2	E	E	
13	59.42	58.95	22.2	29.8	ESE 2	NW 2		ENE	
14	60.82	58.86	19.5	29.4	Calm	NNW 2		E	
15	59.59	57.44	19.6	29.7	N 1	NNW 3			
16	58.91	58.50	21	29.5	Calm	NW 2			
17	59.36	58.52	19.2	29.5	Calm	WNW 1	SE		
18	60.57	58.59	19	30.3	Calm	NW 3		N	
19	60.58	58.99	17.6	29.6	Calm	NNW 3			
20	60.14	59.50	17.5	29.4	Calm	WNW 2		ESE	
21	60.32	58.75	17.8	29.4	Calm	NW 2			
22	60.39	58.27	20	29.7	E 1	NW 2		NNW	9.9
23	59.28	57.11	20.3	28.5	Calm	NW 2		E	
24	57.49	56.52	19.5	29.4	ENE 1	NW 2		E	
25	58.24	57.39	21.4	29	ESE 1	WNW 1		E	
26	57.70	56.79	20.4	29.4	Calm	WNW 1		SE	
27	57.46	56.35	19.9	29.5	Calm	NW 2			
28	56.76	56.05	18.6	29.8	Calm	NW 2			
29	57.20	56.01	19.8	30	Calm	WSW 1		SSE	
30	57.50	56.79	20.7	30	Calm	NW 1			
31	57.46	56.49	20	30.3	Calm	WSW 2			
Mean	59.43	58.12	20	29.7	0.3	2			
Total									9.9

FEBRUARY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.02	56.40	19.5	30.4	Calm	SW 2			
2	58.53	58.15	21	29.5	Calm	NW 2	E		
3	58.92	58.46	21.4	30.3	Calm	NW 2		E	
4	60.48	59.53	20	30.2	Calm	NW 3		ENE	
5	61.39	60.70	22.5	27.5	E 1	Calm	ENE	NE	0.3
6	59.84	58.82	23.5	27.7	E 1	NW 1	NE	ENE	
7	60.24	58.45	28.4	30.8	SE 2	NNW 2		E	
8	59.63	58.31	24	29.4	SE 2	NW 2	E	E	
9	59.21	58.54	24	30.7	SE 2	NNW 3		ENE	
10	60.99	60.30	19.8	30.8	NE 1	NW 2			
11	61.73	60.84	18.8	30.5	Calm	NW 3		ENE	3.2
12	61.38	60.39	23.2	30	E 1	NW 2		NE	
13	61.01	59.78	24.4	31.2	ESE 2	SE 4		ENE	
14	60.79	59.87	18.8	29.7	Calm	NW 2			
15	60.29	58.66	18.6	29.8	Calm	NW 2		NNE	
16	59.16	58.03	20	29.4	E 1	NW 2			
17	58.79	58.14	19.5	29.8	Calm	WNW 2		E	
18	58.89	58.34	20.6	29.8	Calm	NW 2		ENE	
19	60.38	59.85	23.4	30.5	ESE 2	NNW 3	N	ENE	
20	62.11	61.01	23.4	29.5	SE 3	NNW 2			
21	61.94	60.01	18.8	29.8	Calm	NW 2		E	
22	60.33	59.09	21.3	29.9	E 2	WNW 2			
23	60.67	59.14	19.5	30.5	Calm	NNW 5	N	E	
24	62.14	61.05	17	29	NE 1	NNW 4		E	
25	62.35	60.57	17.8	28	Calm	NNW 3		ENE	.5
26	60.57	59.83	22.6	25.5	Calm	N 3	E		
27	60.17	58.60	21.8	29	E 1	NNW 4		N	
28	59.55	58.70	19.1	29.6	Calm	NW 4			
29									
30									
31									
Mean	60.30	59.27	21	29.6	0.8	2.5			
Total									4

MARCH.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	60.58	59.92	17.8	29.4	Calm	NW 5	SSE		
2	60.44	59.29	19	29.5	Calm	NW 1	SE		
3	59.69	59.21	19	29.6	Calm	NW 2			
4	59.49	58.62	22.5	30	SSE 2	SE 4		SE	
5	59.89	58.59	22	30	E 3	SW 2			
6	59.87	58.70	17.6	30.2	SSE 1	SSW 2			
7	59.48	58.72	18.4	29.5	SE 1	WSW 2		NE	
8	60	58.55	18.5	29.5	ENE 1	SW 2			
9	59.59	59.21	17.5	28.6	Calm	WSW 2		ENE	
10	58.60	58.42	18.5	30	SSE 1	WSW 3			
11	58.75	57.95	17.5	30	Calm	NW 3			
12	58.39	58.91	22.1	27.5	NE 1	E 2		SE	4
13	59.74	59.08	21.6	30.3	SE 1	NW 4		SE	
14	59.74	58.83	21.5	30.5	NE 1	SW 2	SE		
15	58.74	57.72	19.8	30.5	Calm	W 2			
16	58.76	58.24	20	30	ESE 1	WSW 2			
17	58.55	58.74	21.6	30.8	Calm	WSW 2		NE	
18	59.22	58.90	21.6	30.6	Calm	NNW 4	SE	NNW	
19	59.98	58.73	19.4	30.6	Calm	NNW 4		ENE	
20	60.43	58.83	21.4	29.6	Calm	SW 3			
21	60.32	59.63	20.6	30	E 1	WSW 2			
22	60.76	59.69	21.6	30.8	Calm	W 2			
23	60.82	59.31	20.8	31	Calm	NW 2		ENE	
24	60.37	59.92	24.2	24.8	ESE 1	S 2		WSW	17.7
25	60.47	59.45	22	29.3	Calm	SW 1		E	11.9
26	61.01	60.27	22.4	29.3	E 1	NW 2		ESE	1.2
27	61.76	61.09	24	28.5	SE 1	WNW 1		E	17.5
28	61.37	59.94	21.5	30.2	E 1	W 2	N	ESE	9.4
29	60.72	59.81	22.8	30.5	ESE 1	NW 2		E	
30	60.77	59.45	23.2	31	ESE 2	NW 3			
31	59.98	58.20	19	30.5	Calm	WNW 2			
Mean	59.94	59.09	20.6	29.8	0.7	2.4			
Total									61.7

APRIL.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.43	57.11	22.4	30.8	SE 3	NW 3			
2	58.71	57.71	18.9	31.2	ENE 1	NW 4			
3	59.32	58.25	20.4	30	E 1	NW 3		ENE	
4	59.30	57.83	23.2	30.3	E 1	WNW 3	SE	SE	
5	58.42	57.59	24	30.8	ESE 2	NW 3		E	
6	58.72	57.76	21.2	31.7	ENE 1	NNW 2		E	
7	58.23	57.49	23.8	30.2	SE 2	SW 2			
8	58.33	56.60	24	30.6	ESE 2	NW 3			
9	57.22	55.78	22.5	31.4	Calm	WSW 2	SE	ESE	
10	56.82	55.93	24.5	31	E 1	WSW 2			
11	56.68	56.08	24.5	31.4	SE 1	W 2			
12	57.49	56.83	23.8	31	Calm	WNW 2		E	
13	58.53	57.64	22.5	31.5	Calm	SW 2			
14	57.87	56.89	22.7	31.4	Calm	NW 3		N	
15	57.44	57.10	20.6	31.2	Calm	NW 3		NNW	
16	58.33	57.16	19.8	30.7	Calm	WSW 2			
17	58.79	57.33	21.5	30.8	Calm	SW 2			
18	58.43	57.43	21	30	E 1	SW 3			
19	58.55	58.59	22.5	30	Calm	SW 2			
20	59.82	58.74	24.5	30.4	Calm	SW 2			
21	60.81	59.44	23	31.2	Calm	WSW 3		E	
22	59.70	58.06	23	31.3	NE 1	SW 2		E	7.2
23	56.47	55.42	23.6	24.2	Calm	E 1		ENE	34.7
24	56.10	56.50	23.4	25.6	SE 2	SSW 2	S	SW	32.9
25	58.33	58.20	23	27.2	SE 1	SSW 1	SW	SSW	5.8
26	59.24	57.99	23.5	28.8	Calm	S 4	SW	S	32.3
27	57.92	57.01	24	26.3	SE 2	S 3	WSW	SW	33
28	58.06	57.15	23.4	29.6	NE 1	W 2	W		.9
29	58.25	57.59	21.5	30.3	Calm	SW 2			
30	58.13	58.03	23.2	30.1	Calm	SW 2			
31									
Mean	58.28	57.37	22.7	30	0.8	2.4			
Total									146.8

IBA.

[$\phi = 15°\ 20'$ N; $\lambda = 119°\ 58'$ E; barometer above sea, 4.81 meters; gravity correction not applied, −1.69 mm.]

MAY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	59.40	58.14	23.8	30.6	Calm		W	2			
2	58.86	57.56	23.9	30.1	Calm		SW	1		NE	
3	58.09	57.08	22.8	31	Calm		SW	2			
4	58.49	58.44	22.3	30.4	Calm		SW	2		ESE	
5	59.85	58.73	24	31.5	Calm		NW	2	SE	ESE	5.4
6	59.43	58	22	30.6	Calm		SW	2		ESE	107.4
7	58.97	58.62	22	25.1	Calm		NE	2			37.4
8	58.81	57.55	21.7	29.7	E	1	SSW	3			
9	58.87	58.13	23.1	30	SE	1	SSW	2			
10	58.72	58.29	22.7	29.6	Calm		WNW	1			
11	58.62	58.40	23.3	26.5	ESE	1	N	1			.5
12	58.52	57.85	22.9	28	E	1	NE	1			
13	58.50	56.99	22.8	31.3	Calm		SW	2		SE	
14	57.57	57.45	23.5	29.8	Calm		SW	1			14
15	57.69	57.24	23	30.5	E	1	WSW	2		E	21
16	58.35	57.06	24	31.6	E	1	SW	2		SE	
17	58.09	56.82	23	29.5	Calm		SW	2		SSW	30.7
18	57.29	56.16	23.9	30.7	SE	1	SW	2		SW	18.2
19	57.27	56.23	23.9	31.4	ESE	1	SSW	2		SSE	
20	56.84	56.36	24	31.1	ENE	1	SSW	3			
21	57.79	56.42	24.2	29.4	SE	1	SW	1			
22	57.39	56.74	23.4	30	Calm		NW	2		SSE	7.6
23	57.34	56.15	24.1	31.2	Calm		WSW	3		SE	
24	57.65	55.54	24	31.9	Calm		SSW	3			
25	57.43	56.67	23.7	31.8	E	1	SW	2	S		
26	57.45	57.08	23.9	31.5	Calm		SSW	2		SW	
27	58.19	57.31	24.6	30.5	Calm		SW	1			
28	58.05	56.80	23.8	30.8	SE	1	SW	2		SW	
29	57.18	56.18	24.4	31.7	Calm		SW	2	SW	SW	
30	56.78	56.50	24.4	30.2	E	1	SW	1		SW	
31	57.79	57.75	24	31	Calm		N	1	ESE	E	
Mean	58.07	57.23	23.5	30.3	0.4		1.8				
Total											242.2

JUNE.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	57.77	57.62	25.1	31	ESE	1	SW	2	ESE	EbyS	1.5
2	58.45	58.03	24.7	31.4	ESE	1	SSE	3		SSE	
3	58.95	58.60	23.5	29.9	SE	1	S	4		S	
4	58.92	58.50	22.3	32.3	Calm		SW	2		SSE	12.8
5	59.25	57.57	23	28.5	Calm		WNW	2		ENE	6.4
6	58.55	56.12	24	34	ESE	1	NNW	2		ENE	5.8
7	58.20	56.68	23.6	32	Calm		WNW	3		ESE	4.4
8	57.57	56.90	23.7	32	Calm		WSW	3		E	12.7
9	58.23	57.70	24	32.2	Calm		SW	2	E	SE	
10	59.38	58.48	24.4	31.5	E	1	WSW	2		E	3.6
11	59.08	57.64	23.9	32.8	Calm		SW	2		ESE	11
12	58.22	56.99	23.9	32.4	Calm		WNW	2	SE	E	
13	57.91	57	24.2	31.3	Calm		SSW	3		SSE	1.8
14	59.26	59.17	25	26	SE	1	EbyN	2	SSE	SSW	45.7
15	59.20	58.53	24.3	30.5	Calm		SSW	2	SW	SW	54.1
16	57.50	56.92	24.5	27	SSW	2	S	4	W	W	41.7
17	55.13	54.84	23.6	26	ESE	2	NE	1	W	W	35.1
18	54.07	53.51	24.2	26.6	SE	2	SSW	2	S	SW	42.1
19	54.62	54.63	24.5	25	SE	2	SE	3	SW	S	127.7
20	55.04	55.66	24.1	27.8	SSE	3	S	3	SSW	SSW	106.3
21	58.01	58.81	23.5	27	SE	2	ESE	2	S	SSW	1.5
22	59.86	59.58	24	31.4	SSE	2	S	3	SSW	S	
23	60.76	59.65	23	31	E	1	SW	2		W	
24	59.16	57.92	23.1	31.2	NE	1	WSW	2			
25	57.14	56.75	23.8	31	NE	1	SW	2	WSW		
26	57.12	56.71	23.1	30.2	ESE	1	SSW	2		SW	
27	56.43	56.66	24.1	25.2	SE	2	SE	2	SW	WSW	49.1
28	57.29	56.90	23.2	29	SE	1	S	2			.5
29	57.35	56.70	23.6	28	E	1	ENE	1			.2
30	56.13	54.45	23	29	NE	1	WNW	2	NW	NW	6.1
Mean	57.82	57.17	23.8	29.8	1		2.3				
Total											570.1

JULY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	54.32	52.32	24.6	28.3	NNW	1	NW	3	NNW	NW	242.3
2	50.09	53.26	24.5	25.8	SW	7	SSW	4	SW	SSW	103.4
3	57.22	56.87	25.4	29.5	SSE	3	S	4	S	SSE	24.6
4	57.94	57.66	24	30.5	SSE	2	S	3	S		
5	58.38	57.75	23.6	28	ESE	2	NE	1			1.5
6	58.72	57.44	22.4	31	Calm		SW	2		E	
7	58.28	57.71	24.4	27.8	E	1	NNW	2		W	
8	58.28	57.32	23.6	30.4	Calm		WSW	3		WSW	13.5
9	57.97	57.60	24	30.3	SE	1	S	3	SSW	SW	1.3
10	58.40	57.61	24.5	30.3	Calm		SSW	2			5.6
11	58.32	57.51	24	30.7	NNE	1	SSW	2			1
12	58.87	57.50	23.7	30.7	SE	1	WSW	1	SW		
13	56.98	55.79	24	28.5	ENE	1	NW	2		NW	70.9
14	53.87	52.10	23	24.7	NW	2	WNW	4	NW	NW	187.2
15	51.04	52.70	24.8	25.5	SW	5	SW	5	W	W	172.5
16	53.31	53.58	24.4	26	SW	4	SW	5	WSW	WSW	118.1
17	54.69	54.89	25	25.5	SSW	5	SSW	3	SW	WSW	167.7
18	55.43	56.28	23.7	23.8	SSW	3	E	1	WSW	SW	135.3
19	55.89	54.98	23.5	25.9	S	1	S	1		SSW	15.5
20	55.36	55.54	23	23	SE	2	SSE	2	S		131.8
21	54.10	54.20	23.8	24.7	SE	1	E	2	SW	SSW	25.3
22	53.36	52.56	24.8	25	S	3	S	3	SSW	SSW	135.5
23	52.21	52.11	24.9	26.5	S	2	SSW	2	SW	SW	103.3
24	51.74	51.85	26	28	SSW	3	SSW	4	SW	SW	36.6
25	52.06	52.06	26.2	28.5	SW	5	SSW	3	SW	SW	72.3
26	53.39	53.78	26.8	29.8	SSW	3	SSW	3	SW	SW	25.2
27	55.97	56.66	24.5	28	SE	2	SSE	2	SSW	SW	17.8
28	57.44	56.63	24	29.6	SE	1	SSW	3	S		3.6
29	56.69	55.91	23.6	30	SSE	1	SW	2	S	WSW	7.6
30	56.09	55.41	23	30	Calm		SW	2		WSW	1
31	55.50	55.02	23.9	26	ESE	1	Calm				11.8
Mean	55.55	55.25	24.2	27.8	2.1		2.5				
Total											1,832.2

AUGUST.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	53.62	53.39	25.5	25.7	SW	2	WSW	2	W	W	125.4
2	54.43	54.21	26	28.7	SSW	2	SSW	4	SW	SW	20.6
3	54.79	54.82	25	28.2	SSE	3	S	4	SSW	SSW	45.4
4	55.82	55.47	24	29.4	SE	2	S	3	SW	SW	11.2
5	55.82	56.05	25.4	30.4	SSE	2	S	4	SSW	SW	9.7
6	57.30	56.86	24.4	30	SE	1	SSE	2	SW		
7	57.80	57.25	23.7	30.3	SE	1	SSW	2	SW	SW	
8	56.33	55.85	23.9	29.5	Calm		W	2	W	W	2
9	54.81	53.64	27	30	W	2	W	3	W	W	2
10	53.65	53.16	27.4	29.6	WSW	3	W	2	W	WNW	
11	53.36	53.68	27.4	31	WSW	3	WSW	3	W	WSW	11.9
12	54.45	54.42	27.2	30	SW	2	SW	2	WSW	WSW	21
13	54.65	53.66	27	28.2	SW	2	SW	3	WSW	W	4.9
14	54.24	54.52	27	28	SW	2	SW	2	SW	SW	40.8
15	56.59	58.29	26.5	26.5	SSW	2	SSW	2	SW	SW	42.5
16	58.73	58.35	24.1	30	ESE	1	S	2	SW	SSW	8.6
17	58.42	57.58	24.5	28.8	SE	1	SSW	1	SW	SW	47.8
18	56.66	55.56	23.8	29.4	NE	1	W	2	WSW	W	40.5
19	55.79	56.03	22.9	24.8	Calm		S	2	W		7.7
20	56.59	56.09	23.4	25.6	SSE	2	SSE	1	W	SW	17
21	56.31	55.99	23	28.5	SSE	2	SSW	2	S	S	5.1
22	56.02	55.57	22.7	28.5	SE	2	S	3		S	
23	55.61	55.28	22.5	29.4	SE	1	S	3		SE	43.6
24	56.44	54.72	23.3	29.5	NNE	1	NW	2	N	N	24.1
25	54.10	52.61	23.4	25	N	2	NNW	2	NNW	NNW	28
26	52.52	52.62	25.4	29.4	WSW	3	WSW	3	W	W	14.8
27	54.82	55.25	25.5	29.6	SSW	2	S	2	SW	SSW	12.3
28	57.40	57.59	24.9	25.6	SSE	2	SW	2	SW	SW	23.7
29	57.17	56.60	26.4	27.5	SW	1	SW	2	SW	SW′	10.1
30	55.69	56.13	26.8	26.8	W	2	SW	2	W	W	51.5
31	56.63	55.07	26.8	28.4	SW	2	SW	4	WSW	WSW	12.7
Mean	55.66	55.36	25.1	28.5	1.7		2.4				
Total											684.9

IBA.

[ϕ=15° 20′ N; λ=119° 58′ E; barometer above sea, 4.81 meters; gravity correction not applied, —1.69 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	56.09	56.88	27	29.2	SW	4	SW	4	SW	SW	2.2
2	57.84	57.40	26.5	29.4	SSW	2	SSW	3	SW	SW	1.1
3	57.67	57.02	24.2	29.9	SSE	1	SSW	2	SSW	SW	5.3
4	57.86	57.67	23.5	28.4	SE	1	SW	1	------	SW	17.7
5	57.74	57.86	23.4	26.8	SE	1	SW	2	SW	SSW	7.1
6	57.69	57.70	23	30.4	SE	2	S	2	------	SW	------
7	58.46	57.82	23	30.6	SSE	1	SW	2	------	W	15
8	57.59	57.02	24	30.2	SE	2	W	1	------	W	.8
9	57.43	56.35	23.9	31.5	ESE	1	W	2	------	------	------
10	58.25	57.62	23	32	NE	1	NW	2	------	ENE	------
11	58.50	58.22	24.4	29.5	SE	2	NW	1	E	E	------
12	58.73	56.97	23	31.5	SE	1	WNW	2	------	E	17.9
13	57.87	55.90	23.5	30.9	ENE	1	NW	2	------	N	2.5
14	57.30	55.71	22.9	30.7	E	1	WNW	2	NW	NW	39.6
15	56.27	54.71	23.4	30.8	NE	1	NW	2	------	NW	------
16	54.36	53.64	21.6	29.6	NEbyN	1	NW	3	------	NW	43.3
17	54.12	53.51	27.4?	28.4	SW	3	WSW	2	W	W	10.8
18	54.08	54.50	26.8	29.6	S	3	S	4	SSW	SSW	------
19	54.98	54.84	24	30	SE	2	S	4	------	------	3.6
20	57.18	56.92	23.5	27.4	SE	1	SSE	2	S	S	80.9
21	57.84	56.80	23	28.9	SE	1	SW	1	------	------	2.9
22	56.37	55.41	23.7	29.6	Calm		W	2	ENE	------	47
23	56.36	56.14	22.5	30.7	ENE	1	NW	1	------	------	2.3
24	58.43	57.40	24	30.5	SE	2	NW	1	NE	E	------
25	57.99	56.52	23	30.8	Calm		WNW	2	------	------	2.9
26	55.36	53.29	22.5	31.1	Calm		NW	3	------	NNW	1.3
27	50.50	49.10	26.6	26.6	NNW	6	NW	6	NNW	NW	89.8
28	50.66	51.48	26.2	26.5	WSW	5	SW	4	W	WSW	40.2
29	53.98	53.66	26.8?	27.4	SSW	4	SSW	4	SW	SW	129.5
30	55.75	55.99	23.5	23.8	S	3	SSW	3	SW	SW	170.8
31	------	------	------	------	------		------		------	------	------
Mean	56.44	55.80	24.1	29.4	1.8		2.4		------	------	------
Total	------	------	------	------	------		------		------	------	734.5

OCTOBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	56.26	56.57	25.6?	25.7	S	3	S	4	SSW	SSW	79.5
2	59.37	58.84	23	30.2	SE	2	SSW	2	SSW	------	.8
3	60.06	59.20	21.5	30.2	SE	1	WNW	2	------	------	------
4	58.81	58.12	22.2	29.6	Calm		WNW	2	------	------	------
5	58.77	57.71	23	28.9	Calm		NW	2	SE	------	------
6	58.29	57.99	23.4	29.8	SE	2	SW	2	------	------	------
7	59.21	58.75	21.5	30	E	1	SW	2	------	------	------
8	60.32	59.24	22	30.7	Calm		NW	3	------	ENE	------
9	60.84	59.53	22	30.5	Calm		NW	2	------	------	------
10	59.86	58.81	22.4	30.5	Calm		NW	3	------	E	------
11	59.22	58.08	22.9	30.5	Calm		WNW	2	------	E	------
12	59.05	58.06	25	26.2	ESE	2	WNW	1	E	E	32.3
13	59.07	57.22	23.7	30.6	Calm		WNW	2	------	ENE	------
14	58.69	57.94	22.6	30.5	Calm		WNW	2	------	E	------
15	59.03	57.97	22.6	31	Calm		W	2	------	W	------
16	59.26	57.99	22.8	30	ESE	1	S	1	------	------	8.1
17	59.97	58.16	22.4	30.8	Calm		NW	2	------	E	.8
18	60.52	59.30	23.4	31	E	1	WNW	2	E	E	------
19	60.32	58.70	21.7	30.5	NE	1	NW	2	------	E	------
20	59.27	58.06	22	31.3	E	1	NW	2	------	E	------
21	59.89	58.59	22.1	30.5	E	2	NW	2	------	NE	------
22	60.82	60.32	23	30.2	Calm		WNW	1	NW	------	------
23	61.50	60.34	20.2	30	NE	1	NNE	2	------	ENE	.3
24	61.41	59.82	20.4	30	ENE	1	NW	2	------	E	------
25	61.31	60.01	24.3	28.5	SE	2	NW	1	ESE	------	------
26	61.12	59.96	21.5	29.1	Calm		WNW	1	------	E	------
27	61.44	60.20	21	30	NE	1	WNW	2	------	E	------
28	61.89	60.80	20.4	30	Calm		WNW	2	------	ENE	------
29	61.48	60.41	20.4	30.3	Calm		NW	2	------	E	------
30	61.32	60.44	20.3	30.4	Calm		WNW	1	------	------	------
31	60.79	59.29	20.3	30.7	Calm		NW	3	------	------	------
Mean	59.97	58.92	22.2	29.9	0.7		2		------	------	------
Total	------	------	------	------	------		------		------	------	121.8

NOVEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	60.64	58.83	21.4	31.3	Calm		NW	2	E	ENE	------
2	60.66	58.80	21.6	30.7	Calm		NW	2	------	NE	------
3	60.67	58.70	20.7	30	E	1	NNW	2	------	NE	------
4	59.72	57.99	22.5	30	E	2	NW	2	------	NNE	------
5	58.51	57.17	22	28.5	E	2	WNW	1	------	E	------
6	57.81	56.13	18.2	29.8	Calm		NNW	2	------	------	------
7	58.07	56.81	19.8	30.5	SSE	1	W	2	------	------	------
8	60.03	59.37	21	29	Calm		WSW	1	SSW	------	------
9	61.87	60.97	22	29.8	Calm		NW	2	SW	------	------
10	62.14	61.05	19	29.2	Calm		NW	2	------	ENE	------
11	61.61	60.21	22.4	30.8	E	3	ESE	3	------	E	------
12	61.73	59.87	17.5	30	E	1	WNW	2	------	E	------
13	61.24	60.09	19	30	E	2	NW	2	------	E	------
14	60.81	59.52	22.5	30.5	E	2	NW	3	------	E	------
15	60.24	58.81	21.5	30.3	ESE	2	WNW	2	------	------	------
16	59.87	58.25	22.6	31	ENE	1	WNW	3	E	E	------
17	60.24	58.71	22	31.4	E	1	WNW	2	------	------	------
18	59.59	58.98	24	31.5	NE	1	NW	2	NE	E	------
19	60.12	58.65	20.2	31	NE	1	NW	2	------	E	------
20	59.39	57.74	19.5	31	Calm		NW	2	------	------	------
21	58.54	56.52	21	30.5	Calm		NW	3	------	ENE	------
22	58.84	57.05	20.5	30.6	Calm		NW	2	------	------	------
23	58.62	57.11	19.4	30	Calm		NW	3	------	------	------
24	59.45	58.20	20.4	30.6	Calm		NW	3	------	ENE	------
25	60.72	58.88	19	30.2	Calm		NW	3	------	------	------
26	61.05	59.28	19	30.9	Calm		WNW	3	------	------	------
27	61.47	59.66	19.1	29.8	Calm		NW	3	------	------	------
28	61.43	59.67	18.9	29.8	Calm		NW	3	------	ENE	------
29	61.63	59.67	19	30	Calm		WNW	2	------	------	------
30	61.24	59.54	18	29.6	Calm		NW	3	------	E	------
31	------	------	------	------	------		------		------	------	------
Mean	60.26	58.74	20.5	30.3	0.7		2.3		------	------	------
Total	------	------	------	------	------		------		------	------	------

DECEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	60.68	59.44	17.3	29.6	Calm		NW	3	------	------	------
2	60.08	58.84	18.1	30	NE	1	NW	3	------	------	------
3	60.43	58.96	18.7	29.7	Calm		NW	4	------	------	------
4	59.87	58.11	18.5	30	Calm		NW	3	------	------	------
5	59.38	58.10	21.2	30.5	NNE	1	NW	2	------	E	------
6	59.20	57.42	20.1	29.8	Calm		WNW	2	------	E	------
7	58.18	57.10	20.8	28.2	Calm		NW	2	------	N	------
8	56.61	55.45	20.9	27.5	Calm		NW	2	------	NW	26.7
9	56.24	55.90	24.5	26.3	NW	2	NW	3	NW	NW	10.4
10	57.23	55.11	23.3	29.5	Calm		NW	4	------	NW	------
11	57.34	55.56	23.2	29.8	N	2	NNW	3	NNW	E	------
12	58.94	57.87	21.8	32	Calm		NW	3	------	E	------
13	60.29	58.82	20.9	31	NE	1	NW	2	------	E	------
14	61.17	58.87	18.3	29.5	E	1	WNW	3	------	------	------
15	61.03	59.36	19.5	29.7	Calm		NW	2	------	E	------
16	61.25	60.49	19.4	29.3	NE	1	NW	3	------	ENE	------
17	61.51	59.90	24.5	30	E	2	WNW	3	ESE	E	------
18	61.93	60.85	22.3	29.8	ESE	1	NW	3	------	E	------
19	61.99	60.24	18.6	30	Calm		NW	2	------	------	------
20	61.59	60.69	20.1	29.6	ENE	1	NW	3	------	------	------
21	62.89	62.25	20.1	28.8	E	1	WNW	2	E	E	------
22	62.97	61.14	20	30	E	1	NW	3	ENE	------	------
23	62.79	61.66	20	29.5	ESE	2	NW	4	------	E	------
24	63.29	61.14	20	30	E	1	WNW	3	E	------	------
25	62.33	60.61	19.8	29.8	ESE	1	NW	3	E	------	------
26	61.94	59.50	17.5	29.6	E	1	NW	3	------	E	------
27	60.88	59.84	18.8	29.8	E	1	NW	4	------	E	------
28	61.19	59.29	19.4	29.4	ENE	1	NW	3	------	ENE	------
29	60.74	59.10	19.8	29.9	ESE	2	WNW	2	------	------	------
30	60.10	58.70	16.8	29.3	E	1	NW	3	------	E	------
31	60.57	57.95	16.5	28.7	E	1	NW	3	------	E	------
Mean	60.47	58.98	20	29.6	0.8		2.8		------	------	------
Total	------	------	------	------	------		------		------	------	37.1

SAN FERNANDO, UNION.

[ϕ=16° 37′ N; λ=120° 19′ E; barometer above sea, 3 meters; gravity correction not applied, —1.65 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	61.92	60.30	20.8	28.7	E 1	SE 1			0.8
2	61.39	59.42	21.7	28.4	Calm	NNW 3			
3	61.97	60.32	20.2	29	NE 1	W 1			
4	62.50	60.59	19.5	28.7	E 1	N 2			
5	62.64	60.83	21.9	29.7	SE 1	N 3		W	
6	62.67	59.80	22	28.9	SE 1	W 1			
7	62.47	60.16	20.9	28.6	ESE 1	NNW 1			
8	63.28	60.98	20.8	28	NE 1	W 1	N		
9	60.32	58.29	19.4	29	SE 1	NW 2			
10	58.99	56.63	21.5	29	S 1	N 3			
11	58.64	56.93	21.4	29.7	N 1	NNE 2			
12	58.95	57.53	20.4	28.8	E 1	NNW 2			
13	60.72	59.77	21.2	29.4	NE 1	NW 2	N		
14	61.79	59.47	21.2	29.6	S 1	W 2			
15	60.46	57.77	22.4	29.4	S 1	NW 3			
16	59.85	58.32	21.2	30	Calm	W 2	E	SE	
17	60.25	58.74	21	28.9	ENE 1	E 2			
18	61	59.58	20.5	27.8	NE 1	N 4			
19	61.83	60.33	20.4	28	SE 1	N 4		E	
20	61.34	60.16	20	29.4	Calm	NW 1			
21	61.28	59.69	19.8	28	NE 1	NNW 3			
22	61.34	59.22	22.2	28.6	Calm	NW 3			
23	60.06	57.64	21	28.9	Calm	W 1			
24	58.42	56.95	20	29.8	NE 1	NW 1			
25	59.30	57.66	21.1	29.4	E 1	WNW 1			
26	58.36	57.28	20.9	29.7	Calm	NW 2			
27	57.70	56.60	21.6	29.5	Calm	NW 3			
28	57.41	56.45	19.4	29.3	S 1	NNW 2			
29	58.15	55.74	21.4	29.6	SE 1	W 1			
30	58.66	57.08	20.7	30	Calm	SSE 1			
31	58.29	56.17	22	32.3	S 1	NW 1			
Mean	60.39	58.59	20.9	29.2	0.7	2			
Total									0.8

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.56	56.31	21.4	30.6	Calm	W 2			
2	59.26	58.57	22.3	30	S 1	SW 1			
3	60.09	59.18	20.4	29.4	Calm	N 3			
4	61.43	60.20	21.2	29.5	Calm	NNW 3			
5	62.24	60.23	22	29.6	SE 1	N 1			
6	60.59	59.02	24	28.4	Calm	Calm		E	
7	61.38	59.12	23	28.9	S 1	WNW 1		SW	
8	60.53	59.08	23.3	28.9	Calm	W 1		W	
9	60.67	59.40	20.4	29.6	E 1	N 1			
10	62.88	61.37	20.2	30	SE 1	W 2			
11	63.74	61.71	20.3	28.5	S 1	NW 2			1.5
12	62.64	61.07	23.4	27.6	Calm	Calm			.5
13	61.87	60.58	21.6	30	S 1	NW 1			
14	61.93	60.17	20	30	SE 1	SW 1			
15	61.02	59.28	20	29.5	S 1	W 2			
16	60.05	58.57	21.7	29.7	Calm	N 1			
17	59.70	58.54	21.1	30.2	SSE 1	NW 1			
18	59.74	58.57	21.9	30.3	Calm	N 3			
19	61.79	60.47	22	30.4	Calm	N 3			
20	63.67	61.71	21.5	29.2	Calm	W 1			
21	62.97	60.95	21	29.6	S 1	W 1			
22	61.60	59.32	20.2	29.8	NE 1	NW 1			
23	61.74	59.68	20.4	28.8	Calm	NNE 3			
24	63.15	61.56	18.4	28.6	E 1	N 2			
25	63.18	60.87	20	28.4	E 1	NW 2			
26	61.69	59.97	20.2	26	NNE 1	N 4			
27	61.22	59.31	22	25.1	Calm	N 2			
28	60.55	59.26	22.6	28	NE 1	N 3		SSW	
Mean	61.39	59.79	21.3	29.1	0.6	1.7			
Total									2

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	61.69	60.98	20.6	27.2	NNE 1	N 3	NW		
2	60.68	59.55	17	29	E 1	N 1			
3	60.24	59.24	21.4	29.4	Calm	NNW 1			
4	60.33	59.21	21.4	29.1	S 1	N 1			
5	60.88	58.92	21.6	29.3	Calm	SW 2		S	
6	60.69	58.60	21.4	32	Calm	WNW 1			
7	60.22	58.88	21	29.8	S 1	W 1			
8	60.96	58.77	22.3	30	Calm	NW 1	NE		
9	60.14	58.99	23	30.5	NE 1	N 1			
10	59.77	58.83	22.6	30.4	SE 1	N 2			
11	60.06	58.22	21.6	30.5	S 1	W 1			
12	59.91	58.79	21	32	Calm	W 1			
13	60.79	59.29	21.3	32	E 1	N 2			
14	60.99	59.04	21	30.7	NE 1	N 1			
15	59.31	57.74	23	31.1	SE 1	NNW 1			
16	59.68	58.23	22.9	31.7	E 1	W 1			
17	59.26	58.63	22	30.9	NNE 1	N 1			
18	59.64	59.12	24	30.4	Calm	N 2	W		
19	61.03	59.14	23.2	30.5	NE 1	N 1			
20	61.21	58.43	24	33.4	Calm	SW 2			
21	60.96	59.10	22	31.2	S 1	W 1			
22	61.51	60	24.4	31	E 1	W 1			
23	61.99	59.39	22.2	31.7	E 1	N 1			
24	60.74	59.45	23.4	30.2	Calm	W 1			
25	61.52	60.31	23	29.8	Calm	NW 1			
26	62.36	60.45	22.4	32.7	E 1	W 1			
27	62.49	61.38	24.2	29.5	Calm	NE 1			
28	62.11	60.25	23.4	32.4	E 1	NNW 1			
29	62.01	60.68	24.1	32.7	Calm	N 1			
30	61.87	60.46	24	31.2	SE 1	NNE 1			
31	60.68	58.19	23.3	31.6	SSE 1	W 1			
Mean	60.83	59.30	22.3	30.8	0.6	1.2			
Total									

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.01	57.22	22.4	33.6	Calm	E 1			
2	59.44	58.15	22.9	33.2	S 1	SW 1			
3	60.02	58.38	23.4	30.8	E 1	W 1			
4	59.92	58.22	24.3	31.6	Calm	N 1			
5	59.70	58.53	23.8	30.4	S 1	NE 1			
6	59.50	57.85	24	30.9	SE 1	W 1			
7	58.73	57.75	23.4	32.5	S 1	W 1			
8	58.63	56.78	24.9	31.2	Calm	NW 1			
9	58.07	55.93	26	31.7	E 1	W 2			
10	57.39	55.72	24.4	33	Calm	WNW 2			
11	56.93	56.40	25.4	32.7	Calm	W 1			
12	58.09	56.86	26.3	31.5	Calm	S 2			
13	59.73	57.35	25.4	34.7	S 1	N 2			
14	58.92	57.21	25	31	Calm	N 2			
15	57.98	57.28	24.2	31	Calm	N 2			
16	59.29	56.60	24.3	31.3	Calm	W 1			
17	58.73	57.45	25.9	30.8	E 1	NW 1			
18	58.67	57.32	23.8	31.6	Calm	WNW 1			
19	58.82	58.77	25.3	31.2	Calm	S 2			
20	60.68	59.49	25.6	33	SE 1	W 1			
21	61.23	59.15	25.4	31.5	E 1	SW 2			
22	60	58.40	26	32	S 1	SSW 1		SE	
23	57.19	55.03	25.9	30.2	Calm	Calm			
24	56.23	55.83	25.9	26	Calm	SSW 2	S	S	3.5
25	59.10	58.28	23.4	29.4	S 1	S 1		SW	20.8
26	60	58.08	25	30	SE 1	SW 1			25.9
27	58.47	56.32	25.9	28.4	E 1	S 2		SW	31.2
28	58.18	57.05	24.4	29.9	S 1	W 1			
29	58.63	57.42	25.4	31	Calm	NW 1			
30	58.79	58.05	24.9	31.5	Calm	N 1			
Mean	58.87	57.43	24.8	31.3	0.5	1.3			
Total									81.4

SAN FERNANDO, UNION.

[ϕ=16° 37′ N; λ=120° 19′ E; barometer above sea, 3 meters; gravity correction not applied, —1.65 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	59.90	58.32	24.3	31.2	E 1	WNW 2			
2	59.18	57.12	26.3	31.6	NE 1	W 1			
3	58.53	57.26	25.2	31.5	Calm	N 1			
4	59.18	58.47	25.2	31.3	Calm	NW 1			
5	59.50	58.86	25.1	32.6	Calm	W 1			
6	59.68	57.80	24.4	32.9	E 1	W 1			51.3
7	58.57	58.31	23.4	30.5	Calm	SSW 2		SW	5.6
8	58.70	57.40	24	30.6	E 2	SE 3	ESE	SSE	.3
9	58.83	57.91	24.9	31.3	Calm	WSW 2	E	SW	.3
10	58.85	58.73	24.7	31.2	Calm	W 2	SW		
11	58.82	58.51	24.5	30.7	Calm	SW 1		SW	
12	59.08	57.65	23.1	31.8	Calm	W 3			.3
13	58.87	57.73	23.2	31.7	Calm	WSW 2	SE		.5
14	57.99	57.41	24.1	31.4	Calm	W 2		W	
15	58.04	57.39	24.5	31.7	Calm	Calm		SE	
16	58.73	57.27	25.4	33.4	Calm	SE 2		SE	.8
17	58.37	56.47	23.7	32.3	NE 1	WSW 2		W	.5
18	57.57	56.21	23.8	32	Calm	SW 1		SW	.5
19	57.43	56.34	24.4	32.7	Calm	SSE 2		SE	
20	57.34	56.86	24.4	33.4	Calm	SE 2		SE	
21	57.86	56.56	24.8	33.5	ENE 1	W 3	E	SW	
22	57.44	56.69	25.5	32.4	Calm	SW 2		SSW	
23	57.63	56.45	25.4	31.6	Calm	SSW 2		SSW	
24	56.79	55.36	24.9	34.1	Calm	S 3		SSE	
25	57.70	56.82	24.4	33.1	Calm	S 2	SW	S	
26	57.78	57.45	24.7	33.2	Calm	SW 2		SW	
27	58.23	57.25	24.9	33.4	Calm	SW 3	SE	S	
28	58.17	56.66	24.8	33.7	Calm	W 2		W	
29	57.11	56.47	27	33.6	ENE 1	ESE 2	E	S	
30	56.92	56.71	26	33.5	Calm	W 3		W	.3
31	57.96	57.75	24.4	33.3	Calm	SW 2		SW	4.3
Mean	58.28	57.30	24.7	32.3	0.3	1.9			
Total									64.7

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	57.93	57.74	25.1	32.4	Calm	Calm	SE	S	
2	58.71	57.54	24.5	34.5	Calm	S 4		S	
3	58.92	58.41	23.7	33.6	Calm	SSW 2		S	1.8
4	59.43	58.81	24.9	32.7	Calm	SW 2	SSE	SW	2
5	59.67	57.86	24.7	32.4	Calm	SSW 1		S	
6	59.09	56.95	24.9	33.1	Calm	SW 2		S	
7	58.63	56.97	24.5	33.3	Calm	W 1			
8	57.99	57.05	25.4	33.7	Calm	SSW 2		S	
9	58.35	57.58	25.6	34.2	Calm	S 2		S	
10	59.70	58.85	25	30.8	NE 1	Calm	NNE	E	.3
11	59.29	57.97	25.2	30.8	Calm	Calm		SSE	6.6
12	58.69	57.17	24.1	33	Calm	SE 1		SE	.8
13	58.31	56.71	25.9	32.9	Calm	SSW 1	NW	S	51.6
14	59.34	58.59	25.2	32	Calm	SW 4	SSE	SW	3
15	59.17	58.55	25.5	32.4	Calm	S 1	SSW	S	.8
16	57.53	56.80	25.6	26.3	NE 1	Calm	SSW	SW	29.4
17	55.30	55.02	24.8	27.6	Calm	Calm	WSW	WSW	52.1
18	53.70	52.95	25.4	30.3	Calm	SW 4	SSW	SW	.8
19	54.11	53.61	25.6	29.7	SSW 2	S 5	S	S	17.8
20	54.44	55.38	26.4	26.5	S 2	S 3	S	S	4.1
21	57.85	58	26.2	31	Calm	SSE 3		S	5.6
22	59.65	59.14	24	32.4	Calm	SSW 2		SSW	
23	60.85	59.87	24.2	31.2	Calm	WSW 2	S	WSW	
24	59.38	58.04	24.9	32	Calm	SW 1		SW	51.6
25	57.42	56.87	24.5	31.7	Calm	WSW 2	WSW	WSW	
26	57.09	56.76	25.8	31.8	Calm	Calm		SW	
27	56.26	56.35	26.3	31	Calm	S 3		S	
28	57.45	56.76	24.7	32	Calm	SSW 1		SSW	9.1
29	57.52	56.25	23.7	30.1	Calm	W 2		W	38.1
30	56.24	54.38	22.9	30.7	Calm	N 1	NNE	NbyW	21.6
31									
Mean	57.93	57.10	25	31.5	0.2	1.7			
Total									297.1

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	54.54	52.34	24	29.1	Calm	NW 1		NNW	32.3
2	47.67	51.36	24	26.3	SE 6	SE 4		S	21.3
3	56.18	56.21	27	30.1	S 3	S 3	S	S	
4	57.67	57.30	26.2	31.6	SSE 2	SSW 3	S	S	4.1
5	58.56	57.80	23	31.4	Calm	S 1		SSE	
6	59.14	57.90	22.4	30	Calm	SSW 1		SSW	
7	58.48	57.80	25	31.8	Calm	NW 2	N	NW	
8	58.53	57.25	25	31.7	Calm	SSW 2			
9	57.97	57.57	25.7	31.7	Calm	W 2		W	32.8
10	58.40	57.22	24.2	31.2	Calm	WSW 1			
11	58.31	57.67	26	31.5	Calm	SW 1	SW	SSW	
12	58.97	57.42	24.2	31.7	WSW 1	WNW 2		NW	
13	57.59	55.54	24.7	31.6	NW 1	NW 3	NW	NNW	34
14	53.21	49.61	23	25.6	NNW 1	Calm	NNW	WNW	154.5
15	47.86	50.03	23.6	23.8	WSW 10	SW 5	WSW	WSW	101.9
16	52.41	53.77	24.8	24.2	SW 4	Calm			84.1
17	54.26	55.39	24.1	24.5	Calm	SW 2	SW		73.7
18	55.89	55.86	23.7	25.4	Calm	Calm		SW	9.4
19	55.53	54.69	23.8	27.6	Calm	SSW 2	SSW	SSW	
20	55.41	54.49	23.8	25.5	Calm	S 1	S	SSW	24.9
21	53.77	53.90	24.2	24.4	Calm	SSW 2		S	.8
22	52.79	51.20	25.3	30.2	S 2	SSW 2	S	S	17.3
23	51.51	52.17	24.5	24.2	S 1	S 1			107.8
24	51.12	51.03	24	24.7	Calm	Calm	SSW	SSW	158.6
25	51.17	51.04	24.1	26.3	Calm	SW 1	SW	SW	112.8
26	52.97	53.71	25.4	25	SW 2	Calm	SW	SW	37.4
27	55.48	56.41	24.5	30.2	Calm	SSW 1	SW	S	1.3
28	57.50	56.86	24.7	30.4	Calm	Calm		S	9.7
29	57.06	56.09	23.9	31	Calm	W 1	S	WSW	4.3
30	56.17	55.53	24.5	30	Calm	W 1	NW	W	3.6
31	55.39	54.48	25	28.5	Calm	NW 1	NW	NW	52.1
Mean	55.21	54.83	24.5	28.4	1.1	1.5			
Total									1,078.7

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	53.43	52.40	23.7	23.8	Calm	SSW 2		SSW	183.1
2	54.28	53.56	23.5	26.2	Calm	S 2		S	18.5
3	54.60	54.10	24.6	28	Calm	Calm		SSW	25.6
4	55.12	55.07	25.5	29.8	SE 1	S 2	SSE	S	6.6
5	55.73	55.67	25	31.4	Calm	S 2	S	S	
6	57.10	56.75	24.8	32.5	Calm	SSE 1	S	S	
7	57.77	57.25	25.7	31.6	Calm	S 1	W	S	
8	56.47	55.81	25.5	28.8	Calm	Calm	W	WSW	1.5
9	54.82	53.70	26.1	27.5	Calm	Calm	SW	WSW	56.6
10	53.44	52.94	26.8	27.3	Calm	Calm	SW	SW	2.8
11	53.15	53.53	26.7	29.6	Calm	Calm	SSW	WSW	4.8
12	54.41	54.71	26.5	25.6	S 2	SSE 1	S	S	95.7
13	54.74	53.80	24	25.4	S 1	S 2	SSW	SSW	78.5
14	54.05	54.36	25	26.5	SW 1	Calm	SW	SW	65.6
15	56.24	57.54	25	26.7	Calm	SSW 1	SSW	SSW	19.1
16	58.49	58.73	25	30.5	SSW 2	SW 2	SSW	SW	2
17	58.39	57.18	24.5	30.8	S 1	Calm	SSW	S	36.1
18	56.85	55.52	24.6	30.2	SW 2	SW 1	SW	WSW	21.6
19	56.06	55.27	23.7	29.8	Calm	SW 2	SW	SW	.5
20	56.43	55.68	24.4	27.2	Calm	SSE 1	SSW	S	16.3
21	56.49	54.92	22.8	31.4	Calm	S 2	S	SSE	53.8
22	56	55.12	22.4	31.1	Calm	SSE 2		SSE	13
23	55.91	55.54	22.6	29.6	Calm	Calm	NNE	NNW	
24	56.49	54.69	24	28	Calm	Calm	NNW	NNW	50.1
25	53.60	52.16	24.6	25.2	W 7	WSW 4	WNW	W	74.6
26	51.74	51.98	26.2	27.2	WSW 2	SW 1	WSW	SW	20.5
27	54.29	54.77	25.5	31	SSW 2	Calm	SSW	SSW	
28	57.10	57.22	25.1	29.2	SSW 1	S 1	SSW	S	18.3
29	56.93	56.40	25.5	27.7	SSE 1	SSW 1	S	SSW	55.4
30	55.77	55.40	25.8	29.8	Calm	SW 1	SW	SW	3
31	54.94	54.59	26.5	28	SW 2	Calm	SW	SW	69.6
Mean	55.51	55.04	24.9	28.6	0.8	1			
Total									993.2

SAN FERNANDO, UNION.

[ϕ=16° 37′ N; λ=120° 19′ E; barometer above sea, 3 meters; gravity correction not applied, —1.65 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	55.68	56.20	25.7	27.1	Calm	SSW 2	SSW	SSW	14
2	57.55	56.96	25.8	31.3	S 1	S 1	SSW	SSW	------
3	57.52	56.58	24.9	31.8	Calm	SSE 2	------	SSE	------
4	57.50	57.52	25	31.4	S 1	SSE 1	------	S	------
5	57.59	57.19	25	32.2	Calm	S 1	SSE	------	------
6	57.59	57.61	24.8	32.4	SSW 1	S 1	SSW	S	------
7	58.61	58.32	23.7	30.7	Calm	SW 2	------	WSW	------
8	57.84	57.19	24	30.5	Calm	SW 1	------	SW	------
9	57.64	56.88	24.2	29.6	Calm	Calm	------	SE	------
10	58.49	58.12	23.8	31.7	Calm	SSW 2	------	ESE	------
11	58.92	58.52	25	31.6	Calm	Calm	------	ESE	.3
12	58.78	57.28	25	32	E 1	SSE 1	E	SE	------
13	58.15	56.15	24.1	32.6	Calm	W 2	------	WNW	.3
14	57.32	55.91	24	31.5	Calm	NW 1	NW	NWbyN	------
15	56.35	55.27	23.5	31.8	Calm	NW 2	NWbyN	NW	------
16	54.75	53.89	24.5	28.7	Calm	WNW 2	NW	NW	41.1
17	53.34	52.56	27.4?	25.9	SW 1	S 2	WSW	SSW	90.1
18	53.22	53.73	25.7	29.2	S 3	Calm	S	S	------
19	55.01	54.67	22.5	31.8	S 1	S 2	S	S	1
20	57.23	56.92	23.9	30.5	Calm	SW 1	S	SSW	------
21	58.47	57.31	24.5	28.6	Calm	Calm	------	SSW	3.8
22	56.55	55.52	23	30.6	Calm	SW 1	------	ENE	.5
23	56.85	56.63	23.2	31	Calm	Calm	EbyS	NNE	------
24	58.75	57.64	23.6	31.3	Calm	Calm	NNW	WNW	------
25	57.98	56.58	24.9	30.8	SE 1	W 1	------	W	------
26	55.05	53.22	24	30.9	NE 1	NNW 2	------	N	28.4
27	49.40	45.33	27.5?	25.6	WNW 6	WbyS 7	WNW	W	75.7
28	44.58	49.48	23.8	24.1	SSW 11	SSE 4	------	S	131.8
29	52.62	52.40	24.5	24.7	SSE 3	SSE 1	S	S	54.3
30	54.33	54.41	25.3	24.5	S 4	S 2	S	S	23.9
31	------	------	------	------	------	------	------	------	------
Mean	56.12	55.53	24.6	29.9	1.2	1.5	------	------	------
Total	------	------	------	------	------	------	------	------	465.2

OCTOBER.

Day.	Pressure. 700 mm. +		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	56.65	56.83	25.2?	22.7	SSE 3	SSW 3	S	------	46.2
2	58.96	58.76	24	31.9	Calm	S 2	S	S	------
3	60.27	------	24.2	------	Calm	------	S	------	------
4	------	------	------	------	------	------	------	------	------
5	------	------	------	------	------	------	------	------	------
6	------	------	------	------	------	------	------	------	------
7	------	------	------	------	------	------	------	------	------
8	------	------	------	------	------	------	------	------	------
9	------	------	------	------	------	------	------	------	------
10	------	------	------	------	------	------	------	------	------
11	------	------	------	------	------	------	------	------	------
12	------	------	------	------	------	------	------	------	------
13	------	------	------	------	------	------	------	------	------
14	58.83	58.22	23.7	30.8	SSE 1	NW 2	------	------	------
15	59.54	58.09	24	31	Calm	NW 2	S	N	.5
16	59.48	58.01	24.5	30.5	Calm	NW 2	S	N	------
17	60.32	58.62	23	30.4	E 1	W 2	N	E	------
18	61.18	59.37	23.5	29.3	Calm	WNW 1	N	NE	.5
19	61.06	59.27	24.7	30	ESE 1	NW 2	S	N	------
20	60.07	58.72	24	30.3	E 1	NW 2	S	N	------
21	59.54	59.14	22.6	30.1	E 1	WNW 2	N	NE	------
22	61.42	60.82	22	29.8	Calm	NW 1	------	N	------
23	61.87	60.68	23.4	30.4	ESE 1	NW 1	SSE	N	------
24	61.77	59.97	23.7	30.4	E 1	NW 1	NE	NE	------
25	61.52	60.51	24.4	31.4	Calm	NNW 1	S	SE	------
26	61.51	60.43	23.5	30	Calm	NW 1	N	NNE	------
27	61.78	60.98	23.5	31.1	E 1	NW 1	------	NNE	------
28	62.46	61.41	23	30.4	Calm	NW 2	------	SW	------
29	61.98	60.87	24.9	31.4	Calm	NW 2	N	------	------
30	62.01	60.90	22.9	31.5	Calm	NW 1	------	ESE	------
31	61.19	59.91	22	31.3	E 1	WNW 1	------	------	------
Mean	60.64	59.58	23.7	30.2	0.6	1.6	------	------	------
Total	------	------	------	------	------	------	------	------	------

NOVEMBER.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	61.02	59.36	22.5	31.2	E 1	NW 2	------	NNW	------
2	60.87	59.51	24.6	31.1	NE 1	NW 1	------	N	------
3	61.13	59.38	22	31	E 1	WNW 1	------	N	------
4	60.18	58.62	21.5	31.1	Calm	NNW 2	------	NNE	------
5	58.95	57.54	20.5	29.3	ESE 1	NNW 1	ENE	NE	------
6	58.28	57.08	19	30.1	NE 1	NNW 3	------	N	------
7	58.21	57.64	23	28	Calm	N 3	NNE	------	------
8	60.67	60.50	21	29.1	E 2	NW 1	S	------	------
9	62.70	61.89	21.3	29.5	Calm	W 2	SSW	NNW	------
10	63.17	61.83	20	29	E 1	NW 2	------	SSW	------
11	62.54	61.28	19.8	29.3	Calm	WSW 1	SE	SE	------
12	62.45	60.72	18.5	28.4	ESE 1	NW 1	------	------	------
13	62.27	60.88	18.5	29.5	Calm	WNW 1	------	NW	------
14	61.49	60.39	19.7	29.4	ESE 1	WNW 1	------	------	------
15	61.37	59.68	20.1	29.5	SE 1	NW 2	------	NNE	------
16	60.84	59.12	20.3	30.6	SE 1	NNW 2	------	N	------
17	60.89	59.51	21.4	30.4	E 1	NW 1	------	NE	------
18	60.57	59.59	20.9	31.5	ESE 1	WNW 1	------	NE	------
19	60.69	59.30	21.2	29.9	ESE 1	NW 2	------	SSW	------
20	59.81	58.39	22	30	Calm	NW 2	------	NE	------
21	58.94	58.26	22	29.5	Calm	Calm	------	------	------
22	59.20	57.64	21.5	30.4	Calm	NE 1	------	------	------
23	59.80	57.89	20.8	29.7	Calm	NW 2	------	------	------
24	59.64	59.10	22.7	29.8	Calm	NW 2	W	W	------
25	61.22	59.82	20.7	29.7	E 1	NW 1	------	------	------
26	61.28	60	20.7	29.5	E 1	NW 1	------	------	------
27	61.88	59.95	20.5	29.9	NE 1	NW 1	------	------	------
28	61.62	60.55	21.4	29.7	Calm	W 2	------	NW	------
29	62.13	60.03	23.6	30	Calm	NW 0	SSW	------	------
30	61.72	60.23	21.2	29.8	Calm	NW 1	------	------	------
31	------	------	------	------	------	------	------	------	------
Mean	60.85	59.52	21.1	29.9	0.6	1.4	------	------	------
Total	------	------	------	------	------	------	------	------	------

DECEMBER.

Day.	Pressure. 700 mm. +		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	61.20	60.02	20.2	30	Calm	NW 1	N	------	------
2	60.74	59.68	19.8	29.5	E 1	NW 1	------	------	------
3	61.02	59.44	21.4	29.6	SE 1	NW 1	------	------	------
4	60.24	59.14	20.5	29.8	Calm	NW 1	------	------	------
5	59.87	58.62	20.8	29.8	Calm	NW 1	------	------	------
6	59.69	57.90	20.5	29.5	E 1	NW 1	------	E	------
7	58.51	57.34	22	28.5	NE 1	SW 1	------	------	------
8	56.11	54.66	22	25.4	Calm	NW 4	NW	N	30.2
9	54.87	54.47	25.6	25.2	W 2	SSW 2	W	SW	11.6
10	57.08	55.90	24.5	26	E 1	NW 3	N	N	1
11	57.90	56.70	24	26.6	NNW 2	NW 2	N	N	------
12	59.61	58.74	22.2	29.6	Calm	NW 1	NE	SE	------
13	60.89	59.69	22.2	30	Calm	Calm	NNE	NE	------
14	61.99	59.68	21.2	28.7	Calm	Calm	NNE	NE	------
15	61.79	60.24	20.6	28	E 0	Calm	------	------	------
16	61.93	60.41	21	28.5	Calm	Calm	------	NW	------
17	61.92	60.81	22.8	29	Calm	Calm	NE	------	------
18	62.54	61.67	21.	29	Calm	W 1	------	------	------
19	62.65	61.21	19.5	29.2	Calm	NW 1	------	------	------
20	62.45	61.83	20.5	28.9	Calm	W 1	------	------	------
21	63.32	62.87	20.5	28.6	Calm	Calm	------	NE	------
22	63.44	61.93	21.5	29.4	Calm	NW 1	NE	------	------
23	63.20	62.41	19	28.6	Calm	NW 0	------	------	------
24	64.12	62.02	20.5	29.1	Calm	NW 1	------	------	------
25	62.70	61.58	19.5	28.7	Calm	NW 1	------	------	------
26	62.35	60.47	21.2	28.2	Calm	NW 1	------	------	------
27	61.79	60.88	19.3	29	Calm	NW 1	------	------	------
28	61.98	59.78	19.5	28.1	Calm	NW 1	------	------	------
29	61.34	59.89	20	28.5	Calm	NW 1	------	------	------
30	60.70	59.35	19.8	28.6	Calm	NW 0	------	------	------
31	60.90	58.98	19.5	28.6	Calm	NW 0	------	------	------
Mean	60.93	59.62	21.1	28.6	0.3	0.9	------	------	------
Total	------	------	------	------	------	------	------	------	42.8

This station was temporarily closed from October 3 to 13.

CANDON.

[$\phi = 17°\ 12'$ N; $\lambda = 120°\ 26'$ E; barometer above sea, 6 meters; gravity correction not applied, —1.62 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	61.34	60.19	23.1	28.5	Calm		W	1			
2	61.11	59	22.4	28.6	Calm		NW	4			
3	61.39	60.45	20	28	Calm		SW	2		W	
4	62.33	60.58	20.7	28.6	Calm		SW	3			
5	62.37	60.63	21.5	28.8	Calm		NW	4			
6	62.13	59.35	22	29.6	Calm		NW	3			
7	62.23	60.06	22	29.5	N	0	NW	2	W		
8	62.32	60.71	21.7	29	N	1	NW	1			
9	59.91	58.31	20.6	28.2	Calm		NW	3			
10	59.12	57.34	21.2	29	Calm		NW	4			
11	58.35	56.60	21	29	Calm		NNW	3			
12	58.35	57.31	21.5	28.7	Calm		SW	2			
13	60.04	58.64	22.5	29	NNE	1	NW	2	W		
14	61.41	59.44	22.8	29.5	Calm		W	1			
15	60	59.45	23.9	28.5	Calm		NNW	5			
16	58.96	58.55	23.4	29	Calm		W	2			
17	60.03	58.76	23.4	28.8	Calm		NW	2			
18	60.72	59.41	23.4	28.5	Calm		N	5			
19	61.54	60.91	22.5	27.1	Calm		N	5	S		
20	61.53	59.79	20	27.5	Calm		NNW	2			
21	61.19	59.47	21.5	28.1	NNE	1	NW	4			
22	61.04	59.07	22.5	28.5	Calm		NNW	3	SW		
23	59.98	56.85	22.5	29.5	Calm		NW	2			
24	57.89	56.71	22	28	Calm		W	2			
25	58.37	57.51	21.5	28.5	NNE	1	SW	3			
26	57.99	57.25	22.4	28.7	Calm		SW	2		NW	
27	57.30	56.65	23	29.1	Calm		W	3			
28	57.16	56.31	20.6	28.5	Calm		NW	3			
29	57.51	56.25	21	29	Calm		W	3			
30	57.94	56.86	24	29.9	Calm		SW	2			
31	58.01	56.49	22.6	29.9	Calm		W	1			
Mean	59.99	58.55	22	28.7	0.1		2.6				
Total											

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	56.99	56.53	21.6	29.4	Calm		W	2		W	
2	58.86	58.43	22.8	30.2	Calm		W	3			
3	59.67	58.70	21.1	29.1	Calm		NW	5			
4	61.08	59.49	21.5	29.6	Calm		NW	5			
5	61.91	60.55	22.6	29.5	Calm		W	3			
6	60.28	59.08	23.6	29	Calm		SW	2			
7	60.92	59.01	22.8	28.7	NNE	1	WNW	3	E		
8	60.13	58.84	22.7	29.5	Calm		WNW	2			
9	60.23	58.79	22.2	30	Calm		NW	3			
10	62.26	60.84	21.1	30.5	NNE	2	NW	3			
11	62.93	60.83	21.9	30.7	N	1	NNW	3	SE	SE	1
12	61.80	61.21	25	29	Calm		WNW	3	SE	E	
13	61.18	60.39	24	29	Calm		SW	3			
14	61.16	60.23	22.1	29	NNE	1	SW	3			
15	60.93	58.99	21.4	29.2	Calm		NW	3			
16	59.45	58.13	23.2	30	N	0	WNW	3			
17	59.29	58.09	22	29.6	Calm		WNW	1			
18	58.83	58.83	25	29.5	NNE	2	NE	5			
19	61.03	59.39	23.5	31.5	NE	3	NE	6			
20	63.34	60.44	21.5	31.4	NE	3	NE	4			
21	62.51	60.49	22.2	30	Calm		W	3			
22	61.09	59.50	22.5	29.2	NNE	1	NW	2			
23	61.45	59.20	20.6	29.4	NNE	0	NNW	4			
24	62.63	60.73	21.5	28.8	N	1	NW	4			
25	62.79	60.43	21	29	Calm		NW	3			
26	61.36	59.63	22.2	27.5	Calm		NNW	4	SE		
27	60.71	59.39	23	26.5	Calm		NW	5	E		
28	60.33	59.18	22.6	27	N	0	NW	3			4.8
Mean	60.90	59.48	22.4	29.4	0.5		3.3				
Total											5.8

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C	°C.							*mm.*
1	61.35	60.75	18.4	26	Calm		NNW	5			
2	60.59	59.39	17	27.4	Calm		WNW	1			
3	60.15	58.57	20.4	28	Calm		NW	3			
4	60	59.35	20.7	27.5	Calm		SW	2			
5	60.25	58.86	23.2	28.2	Calm		W	1			
6	60.13	58.55	22.5	28.7	Calm		WSW	2	SW		
7	59.81	58.79	21.1	29.4	Calm		WNW	2		SW	
8	60.16	58.85	22.4	29	Calm		SW	3			
9	59.71	58.94	23.2	28.6	Calm		SW	2			
10	58.84	58.90	23.6	28	Calm		SW	3			
11	59.90	58.39	21	29.7	Calm		WNW	1			
12	59.16	58.73	23	30.5	Calm		SW	2			1
13	60.23	59.42	22.5	31	Calm		WNW	2			
14	60.50	59.28	24	30.2	Calm		W	3	W	W	
15	58.76	57.71	23	30.5	Calm		SW	3			
16	59.15	58.33	23.4	30	Calm		SSW	2			
17	58.84	58.55	23.6	30.6	Calm		NW	3			
18	59.30	59.16	24.5	30	Calm		WNW	3	W	W	
19	60.74	59.31	22.5	29.6	Calm		NW	3			
20	60.70	58.88	23.5	30	N	0	SSW	2	W		
21	60.77	59.34	23.5	30	N	0	W	1			
22	61.01	59.95	22.5	30	Calm		W	3			
23	60.98	59.43	23.4	30	Calm		NW	3			
24	60.44	59.74	23.9	28.9	Calm		W	1		W	
25	60.62	59.78	24.1	29.7	Calm		W	1			24.6
26	61.17	60.41	23.6	29	Calm		SW	3			
27	62.12	61.36	23.7	29.2	Calm		WNW	3		W	
28	61.93	60.29	22.5	30	Calm		W	3			
29	61.42	60.95	23.6	30.5	Calm		NW	3			
30	61.51	60.50	22.1	30.4	Calm		NW	3			
31	60.22	58.39	21.5	30	NNE	0	W	3			
Mean	60.34	59.32	22.5	29.4	0		2.4				
Total											25.6

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm*	°C.	°C.							*mm.*
1	58.71	57.54	22	29.7	Calm		WNW	3			
2	58.80	58.21	22.8	29.6	Calm		WNW	3		NW	
3	59.75	58.63	23	30	Calm		NW	3		W	
4	59.52	58.24	24.5	30.6	Calm		NW	2		E	
5	58.94	58	23.6	31	Calm		SW	3			
6	59.01	58.65	23.2	31.1	Calm		WSW	2			
7	58.50	57.71	23	29.9	Calm		SW	3			
8	58.43	57.01	23.5	30.5	NNE	1	SSW	3			
9	57.83	56.14	25	31.5	Calm		NW	3		NW	
10	57.53	55.99	25	31.2	Calm		WSW	2			
11	56.91	56.14	25	31.5	Calm		SW	2			
12	57.81	56.94	25	31.5	Calm		NNW	3			
13	58.54	57.65	23.5	31.5	Calm		SSW	3			
14	58.43	57.38	24.2	31.4	Calm		NW	4			
15	57.60	56.88	23	30.4	Calm		NW	3			
16	58.35	56.96	23	31	Calm		SW	3			
17	58.52	57.24	24.5	30.5	Calm		W	3			
18	58.06	57.24	25.2	30.5	Calm		WSW	2		W	
19	58.73	58.83	26	31.5	Calm		SW	3			
20	60.41	59.15	25	31.2	Calm		WSW	2		SW	
21	61.24	59.72	25.4	31.6	Calm		W	1			
22	60.03	58.18	25.5	31.8	Calm		NW	3			
23	56.74	54.72	25.5	31.6	Calm		SW	3			
24	54.76	54.82	26.5	31	Calm		SW	5			8.4
25	58.02	58.10	25	28.2	Calm		SSW	2	S	SW	1.3
26	59.28	57.77	24.6	31	Calm		SW	3		W	11.9
27	57.86	56.23	25.5	29.1	Calm		SW	3			42.4
28	57.78	57.01	24.4	29.5	Calm		SW	3		W	
29	58.44	57.36	24.4	30.5	Calm		SW	3		W	
30	58.08	58.12	24.5	31	Calm		NW	2			
Mean	58.42	57.40	24.4	30.7	0		2.8				
Total											64

CANDON.

[$\phi = 17°\ 12'$ N; $\lambda = 120°\ 26'$ E; barometer above sea, 6 meters; gravity correction not applied, —1.62 mm.]

MAY.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.48	58.22	25	30.5	Calm	W 2		W	
2	58.89	57.20	26	31.5	Calm	SW 3			
3	58.21	57.60	26	31	Calm	SW 3	W	W	
4	59.01	58.14	25.5	31.7	Calm	SW 3			
5	60.44	58.59	25.5	31.7	Calm	W 3		W	1.3
6	59.72	58.17	25	31.4	Calm	W 3			
7	58.56	57.89	25.9	30.6	Calm	SW 4			98.3
8	58.55	57.34	24	29.9	Calm	SW 3	SW		
9	58.79	57.98	25.5	30	Calm	SSW 1		W	38.9
10	58.44	58.36	24	30	Calm	SW 2			
11	58.97	58.28	24.5	30.5	Calm	NW 3			
12	58.94	57.25	24	30.7	Calm	WNW 2			
13	58.79	57.69	24.6	31	Calm	WSW 1		E	
14	57.81	57.09	25.6	31.6	N 1	NW 1			
15	58.92	57.14	25.5	31.5	Calm	WNW 2			
16	58.59	57.47	25.7	31.5	Calm	W 1			
17	58.36	56.64	25.5	31	Calm	WNW 1			
18	57.72	57.04	24.6	31	Calm	W 2	W		
19	57.63	56.34	26	31.5	Calm	SSW 2		SE	
20	57.41	56.64	25.6	31.4	Calm	SW 3			
21	57.86	56.68	25.4	32.4	Calm	W 2	SW		
22	57.45	56.32	26.5	32.5	Calm	W 3			
23	57.65	56.02	26.5	32.5	Calm	NW 2		E	
24	56.77	55.17	25.2	32.4	Calm	S 1			6.4
25	57.82	56.69	25.4	31.8	Calm	SW 3			
26	57.44	57.18	25.5	32	Calm	NW 1			
27	58.08	56.92	25.9	32.4	Calm	NW 1		W	
28	57.99	56.27	25.7	32.2	Calm	SSW 2	W		
29	56.88	56.17	27	32.4	Calm	WSW 3	W		4.3
30	56.73	56.44	26	32.1	Calm	WSW 3		W	
31	58.01	57.72	25.2	32.5	Calm	NNW 3			
Mean	58.26	57.18	25.4	31.5	0	2.2			
Total									149.2

JUNE.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.86	57.68	25.5	31.5	NNE 1	SSW 1	E		
2	58.74	57.76	25.6	32.5	Calm	W 1			50.8
3	58.99	58.50	25.9	31.2	Calm	W 1			
4	59.56	58.84	25.5	31.4	Calm	NW 1			4.1
5	59.46	57.55	25.5	31.5	Calm	W 1			11.4
6	58.94	56.89	25.5	31.1	NNE 1	W 1		W	
7	58.73	56.68	26.6	31.6	Calm	W 1			
8	57.92	57	27	32	Calm	SW 2		W	2.8
9	58.34	57.28	26.1	32	Calm	WSW 3		W	1.8
10	59.65	58.74	26.5	32	Calm	SW 1		W	9.4
11	59.19	57.54	26.1	32	Calm	SW 1			9.9
12	58.61	56.79	25.6	31.5	Calm	WSW 1	W		
13	58.26	56.89	27.4	31.4	Calm	SW 1	W		3.5
14	59.13	58.49	26	32	Calm	S 3		S	4.1
15	58.83	58.24	26.5	31.1	Calm	SW 1	S		3.8
16	57.87	56.03	27	28.5	Calm	WNW 1			6.4
17	54.67	53.96	25.8	29	Calm	SSE 2	SW		1.3
18	53.31	53.67	25.5	31	Calm	SW 3	S	SW	2
19	54.73	52.32	25.5	31	Calm	SSW 5		SW	
20	54.08	54.88	26	28.2	Calm	S 6	S		2
21	57.18	57.60	26.6	30.5	SSW 4	SW 5		SW	
22	59.42	59.38	25	32	Calm	SW 3		SW	18.5
23	60.81	59.66	24.5	30.4	Calm	SW 1	SW		
24	59.13	57.80	26.5	31	Calm	SW 1	SW	SW	4.6
25	57.08	56.50	26.2	31	Calm	SW 2	W		
26	56.76	56.40	25.5	30.9	Calm	SSW 3		S	
27	56.04	56.19	25.6	31.5	Calm	SSW 3	S	SW	
28	57.16	56.54	25.2	30.5	Calm	SSW 3	S	S	.8
29	57.51	55.92	25	30.7	Calm	W 2			28.4
30	56.22	54	24.5	30	Calm	NNW 2		NW	28.2
31									
Mean	57.81	56.86	25.9	31	0.2	2.1			
Total									193.8

JULY.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	54.64	52.01	25.4	28.7	Calm	Calm		NW	9.9
2	45.74	50.15	26.5	26	SE 5	SSE 1		S	47.8
3	55.58	55.19	24.6	30.8	Calm	S 4	S	S	
4	57.71	57.54	25.8	31	Calm	SW 2	S		27.9
5	58.73	57.83	24	30.2	Calm	NW 1			5.1
6	58.19	57.81	24	30.5	Calm	NW 1		NW	
7	58.44	57.45	25.5	30.8	Calm	NNW 1		NW	.5
8	58.57	56.85	26.5	31	Calm	W 1		W	
9	57.59	57.15	26.2	31	Calm	SW 3	S	SW	34.5
10	58.12	57.13	25	30.1	Calm	SW 1		SW	3
11	58.54	57.30	26	30.6	Calm	SW 2		S	
12	58.86	57.36	25.1	30.5	Calm	W 1			
13	57.59	55.17	24.5	31	NNE 1	NNW 3		NW	24.1
14	52.84	48.21	24.4	27	Calm	N 4		NW	71.1
15	44.55	46.02	25.2	24.5	SE 2	SW 10			201.9
16	50.80	52.58	25	25.1	SW 4	SW 3	SW	SW	101.6
17	54	55.21	24.5	24.5	S 3	SE 3	SW		110.5
18	55.31	55.10	24	26.5	E 1	SSW 3		S	4.6
19	54.96	54.58	24.5	28	Calm	SSW 3		S	24.6
20	55.26	54.23	24.5	27.5	Calm	SSW 2		SW	1.5
21	53.71	52.42	24	27.6	Calm	SSW 4		S	2.5
22	52.90	51.11	25	29.2	NNE 1	SSW 1	S	S	6.1
23	51.08	50.80	25.4	26.6	SE 1	SSE 2	S	SE	41.7
24	51.15	50.55	24.9	25.2	SSE 2	SW 2		SW	122.9
25	50.22	50.23	25	27.7	S 4	S 4	S	S	47.2
26	52.44	53.19	25.5	27.2	S 2	S 1	S	S	42.6
27	55.45	56.34	25	29.5	Calm	SW 1		S	4.1
28	57.12	56.74	25	29.5	Calm	Calm			34.5
29	56.94	55.80	24.2	29	Calm	W 1		W	
30	55.91	55.24	25.6	29.4	Calm	W 1	SW	W	34.5
31	55.08	54.16	25.5	28.5	Calm	W 1		W	166.9
Mean	54.77	54.24	25	28.5	0.8	2.2			
Total									1,171.6

AUGUST.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	51.76	50.27	24.2	24.5	SW 3	S 6	SW		387.1
2	53.50	52.87	23.1	29.4	S 3	SSW 3	S	S	16
3	54.25	53.48	24.5	29.2	Calm	SSW 3	S	S	9.4
4	54.74	54.88	25.5	28	Calm	SSW 3	S	S	13.2
5	55.34	55.43	25.5	29.8	SE 1	SW 3	S	S	
6	56.77	56.32	25.2	31	Calm	SSW 2		S	
7	57.59	56.85	26	30.5	Calm	SW 2	S		
8	56.29	55.33	25.9	29.5	Calm	SW 1	S	W	6.1
9	54.70	53.13	26.2	25.5	SSE 1	SE 2	SW		216.2
10	52.73	52.30	26.5	25.1	SSW 2	S 1	SW	S	110
11	52.66	53.32	27	28.9	SW 3	S 3	SW	SW	63
12	53.83	54.47	25.5	28.5	S 1	S 3	S	S	81
13	54.50	52.72	24	26.5	SW 1	SW 1		SW	274.8
14	53.46	53.80	24.5	27.5	NNE 1	S 3	SW	SW	40.4
15	55.78	57.07	25	27.6	Calm	S 3	SW	S	1.3?
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Mean	54.53	54.15	25.2	28.1	1.1	2.6			
Total									

This station was temporarily closed from August 16 to October 15.

CANDON.

[ϕ=17° 12′ N; λ=120° 26′ E; barometer above sea, 6 meters; gravity correction not applied, —1.62 mm.]

Day.	NOVEMBER.									DECEMBER.								
	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.		6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*	*mm.*	*mm.*	°*C.*	°*C.*					*mm.*
1	60.92	59.11	24	30.4	Calm	W 1		W		61.19	59.91	20.6	28.1	Calm	W 1			
2	60.97	59.33	23.2	29.7	N 1	WSW 2		NW		60.94	59	21.5	29.5	Calm	NW 1			
3	61.11	58.64	22.6	31.3	Calm	S 1				61.13	59.03	21.5	29.6	NNW 1	NNW 3			
4	60.13	58.03	22.4	30.5	N 1	NNW 3				60.25	58.86	21	29	Calm	NW 1		NW	
5	59	56.79	20.8	29.6	N 1	W 3	S	W		60.10	58.15	21.5	29	Calm	NW 1			
6	58.65	55.80	21.8	30.5	N 1	N 3				59.87	57.54	22.4	28.7	Calm	NW 1		NW	
7	58.46	56.95	22.5	28.7	N 2	N 3				58.63	57.15	22.6	29	NNE 1	N 1			
8	60.59	59.70	22	28.2	Calm	NNW 2				56.10	54.28	23.9	25.1	N 1	N 2	NE	N	40.6
9	62.83	61.24	21.5	28.2	Calm	W 1				52.44	52.62	25.5	26.5	W 1	S 2	W	S	8.6
10	63.29	61.64	21.2	28	Calm	W 1	SW			56.59	55.29	24.5	26	NNW 1	NNW 3			
11	62.75	60.89	20.1	29	Calm	NW 1				57.81	55.89	23.1	27.4	N 3	N 3			
12	62.75	60.47	20.1	28	Calm	NNW 1				59.40	58.66	23.6	28	Calm	W 1			
13	62.32	60.64	19.5	28.5	Calm	W 1				60.88	59.56	23.4	27.9	Calm	W 2		W	
14	61.34	60.09	20.6	28.8	Calm	W 1				62.11	59.26	22.5	28	Calm	SSW 2	SW	SW	
15	61.24	59.45	21	29	Calm	W 1		NW		61.53	60.08	20.5	27.6	Calm	W 1			
16	60.81	59.08	21.5	29.7	Calm	W 1				62.35	61.14	20.5	28	Calm	W 1			
17	60.75	59.26	21.5	29.6	Calm	W 1		W		62.54	60.33	22.9	28.6	Calm	W 1		SW	
18	60.71	59.31	22.4	29.9	Calm	SW 1				62.71	61.46	22.2	28.5	Calm	NW 3			
19	60.87	58.99	22	29.5	Calm	WNW 1				62.68	61.05	21	28.1	Calm	NW 3			
20	59.99	58.19	21.7	29.5	Calm	W 1	S			62.53	61.64	21.5	28.3	Calm	WNW 1		W	
21	59.20	57.38	21.9	29.8	Calm	NNW 1				63.57	62.59	22	28	Calm	NW 3			
22	59.08	57.39	22.5	29.6	Calm	W 1				63.46	62.09	22	28.5	Calm	NW 1		W	
23	59.05	57.39	22.4	29.5	Calm	NW 3				63.28	62.24	20.8	28.1	NNW 1	NW 1			
24	59.70	58.96	23	29	Calm	NW 3				64.13	61.74	21.6	28.5	Calm	W 1			
25	61.21	59.51	20.7	29	Calm	WNW 1				63.04	61.28	20.5	29	Calm	NNW 2			
26	61.18	60.01	21.5	28.5	Calm	NW 1		NW		63.25	60.20	20.5	27.8	Calm	W 1			
27	62.17	59.65	21.9	29	Calm	WNW 1		NW		61.77	60.59	19.5	28.2	Calm	NW 1		NW	
28	61.66	60.26	22	29.4	Calm	NNW 3				62.19	59.41	21	28.5	Calm	W 3			
29	62.17	59.89	22	29	Calm	W 1		W		61.49	59.71	21	28.5	Calm	NW 3	W	NW	
30	61.76	60.04	22.5	28.5	Calm	SW 1		SW		60.55	59.27	21.4	28	Calm	NW 1		NW	
31										61.17	58.61	21.4	28.5	Calm	NW 2			
Mean	60.89	59.14	21.8	29.3	0.2	1.5				60.96	59.31	21.9	28.1	0.3	1.7			
Total																		49.2

LAOAG.

[$\phi = 18°\ 12'$ N; $\lambda = 120°\ 35'$ E; barometer above sea, 13 meters; gravity correction not applied, —1.58 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	61.10	59.94	20.9	29.3	ESE	1	NNW	3			2.5
2	61.03	59.94	20.9	26.4	SE	1	NNE	4			
3	61.26	59.77	17.9	29.2	ESE	1	NNW	3			
4	61.93	60.39	19.2	29.3	ESE	1	NNW	3			
5	61.97	60.93	20.9	28.5	SE	1	NNW	3			
6	62	59.94	21.8	30.4	NNE	1	NNE	5			
7	61.79	59.63	18.4	33.4	NNE	2	NNE	3			
8	62.46	60.16	16.9	31.9	EbyN	2	ENE	3			
9	60.01	57.95	16.1	31	E	1	W	3			
10	59.20	56.72	19	29.8	ENE	1	NNE	5			
11	58.22	56.41	20.7	30.9	E	1	NNE	4			
12	58.82	57.42	21.9	29.4	NE	2	NNE	5			
13	59.81	59.56	21.8	29.7	ENE	1	NNE	5			
14	61.12	58.86	19.7	32.3	E	1	NNW	4			
15	60.24	58.65	22.5	27.5	NE	1	NNE	5			
16	59.26	57.96	20.3	30.5	NNE	1	NNE	4			
17	59.87	58.59	17.5	28.9	ENE	1	NNE	3			
18	60.98	60.10	19.7	27.4	E	1	NNW	5			
19	61.48	60.95	18.9	25.3	SE	1	N	5			
20	61.45	59.74	17.3	28.9	E	1	NNE	4			
21	61.15	59.59	17.1	27.9	NE	1	NNW	4			
22	60.96	59.18	18.5	28.4	E	1	NNW	4			
23	60.21	57.48	21.8	28.5	NNE	3	NNE	4			
24	58.10	56.26	18.3	32.9	E	1	ENE	3			
25	58.45	57.28	17.8	29.9	EbyN	1	NW	3			
26	57.92	57.02	19.9	29.3	ESE	1	NNW	3			
27	57.51	56.63	19.8	29.5	ESE	1	NNW	3			
28	57.27	56.23	18.9	30.5	SSE	1	N	3			
29	57.65	56.21	20.4	29.5	E	1	NNW	3			
30	58.02	56.66	22.4	31.3	SSE	1	WNW	3			
31	57.81	56.48	21.9	30.5	E	1	NNW	3			
Mean	59.97	58.47	19.6	29.6	1.2		3.7				
Total											2.5

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	57.10	56.38	21.4	31.4	ENE	1	WSW	3			
2	58.79	58.36	21.5	30.9	ESE	1	WSW	3			
3	59.47	59.07	20.7	28.9	ENE	1	NNE	5			
4	60.69	60.47	22.2	29.6	NNE	2	NNE	5			
5	61.87	59.98	17.4	31.7	S	1	WSW	3			
6	60.64	58.83	22	31.9	NNE	1	SE	4			
7	60.70	58.28	21.3	32.5	NE	1	E	4			
8	59.99	58.50	19.9	30.9	ENE	1	ENE	3			
9	60.26	59.29	18	31.5	ENE	1	ESE	5			
10	61.84	61.54	17.9	32.1	EbyN	1	E	3			
11	62.89	62.01	18.4	29.5	E	1	NE	5			
12	61.96	60.88	23.3	31.4	NNE	1	NE	5			
13	61.48	60.01	21.9	32.5	ENE	1	ESE	3			
14	61.19	60.03	18.4	30	E	1	WSW	3			
15	60.78	58.72	18.3	31.7	EbyN	1	NE	4			
16	59.95	58.28	22.6	31.3	NE	2	NNE	4			
17	59.11	58.05	23.3	32.3	NNE	2	NE	5			
18	60.26	59.98	22.5	29.5	NNE	4	NE	5			
19	62.05	61.73	23.3	29.3	NE	3	NE	5			
20	64.19	62.02	16.3	30.5	EbyN	1	E	2		ESE	
21	62.85	60.66	21.7	31.8	NNE	1	ESE	3		E	
22	61.35	59.23	16.9	29.4	ENE	1	ENE	2		E	
23	62.04	60.67	19.1	30.4	NE	1	ENE	5			
24	63.68	61.79	20.6	29	N	3	NE	5			
25	63.40	60.37	20.9	30.5	NNE	2	NE	5			
26	61.55	59.83	22	27.5	NNE	2	N	5		SSW	
27	60.73	58.73	18.4	27.3	NNE	1	NNE	5		SSE	
28	60.17	59.48	21.5	27	NNE	1	NNW	4			
Mean	61.11	59.76	20.4	30.4	1.4		4				
Total											

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	61.88	61.03	17	26.9	ENE	1	NNW	4			
2	60.86	58.49	15.9	30.9	E	1	NNE	4		ESE	
3	59.98	59.25	16.5	29.1	ESE	1	NNW	4			
4	59.94	58.93	17.7	29	ESE	1	NNW	4			
5	59.97	59.09	22.4	29.5	SE	1	SW	3	SW		
6	60.04	58.49	21	30	E	1	SW	3	W	ESE	
7	59.96	57.92	19.8	30.8	SE	1	N	4		ESE	
8	59.87	58.31	19.9	31.7	SSE	1	SW	3			
9	59.29	58.52	22.5	30.4	SSE	1	SW	3			
10	58.51	58.66	21.3	30.3	SE	1	WSW	3			
11	59.70	57.19	18.3	33	E	1	NW	3			
12	58.88	58.36	22.4	32.2	S	1	WSW	3			
13	60.57	59.47	22.7	31	SE	1	NNW	3			
14	60.23	58.99	21.2	30.5	E	1	NNW	3			
15	59.20	57.38	21.8	30.4	SSE	1	NNW	3			
16	58.76	58.22	22	31.1	SE	1	NNW	3			
17	58.98	58.36	23.6	30.9	SE	1	NNW	3			
18	59.06	59.06	23.3	30	SE	1	NbyW	3		SW	
19	60.90	58.55	21.2	31	NNE	1	NNW	4			
20	60.38	59.05	20.3	30.4	W	1	WSW	3			
21	60.74	59.60	21.9	30.4	SE	1	SW	3		W	
22	61.12	59.63	20.9	30.8	NbyW	1	N	4			
23	61.57	59.01	21.5	30.5	N	1	NNE	4			
24	60.32	58.96	24.4	32.5	NNE	3	NNE	4		SSE	
25	60.74	59.05	23.7	33	N	2	NNE	3		SSE	
26	61.42	59.45	22.4	33.6	NNE	1	NNE	3		SSE	
27	62.02	60.64	21.4	33.2	N	1	NNW	3			
28	61.48	59.43	21.7	34.9	NNE	1	NNW	3		SSE	
29	61.27	59.93	22.4	35	SW	1	NNW	3			
30	61.07	60.44	20.1	31.5	ENE	1	NNW	3			
31	60.15	58.38	20.4	29.9	E	1	NNW	3			
Mean	60.29	58.96	21	31.1	1.1		3.3				
Total											

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58.52	57.66	20.9	30.1	ESE	1	NNW	3		W	
2	58.93	58.29	21	31	ENE	1	NNW	4			
3	59.28	58.35	20.3	32	E	1	NNW	3			
4		58.10		32	E	1	WSW	3			
5	58.94	57.93	22.7	32.4	ESE	1	NNW	3			
6	58.70	58.20	22.9	31	ESE	1	NNW	3		NW	
7	58.03	57.55	22.4	31	E	1	NNW	3			
8	57.96	57.36	23.1	30.5	ESE	1	NNW	3		W	
9	57.59	56.41	23.3	31.5	E	1	NbyW	3			
10	57.14	55.86	23.3	32.9	N	1	SW	3			
11	56.87	56.04	25.9	31.5	E	1	WSW	3		SW	
12	57.56	56.66	22.9	32.9	N	1	WNW	3			
13	58.26	57.64	22.5	32.3	ESE	1	NNW	4			
14	58.59	57.55	22.7	30.5	E	1	NNW	4			
15	57.42	56.52	21.8	32.9	NNE	1	WNW	3			
16	57.96	56.66	21.5	32.5	ENE	1	WSW	3			
17	58.08	57.25	23.4	30.1	SE	1	NW	3		SW	
18	58.41	56.34	24.6	34.5	Calm		ENE	3		SW	
19	58.40	58.92	22.9	32	N	1	NNW	3			
20	60.21	57.99	23.4	34.3	ESE	1	WSW	3			
21	61.07	59.85	25.5	32.5	E	1	NW	4	W		
22	59.50	57.93	23.7	33.3	E	1	NNW	3			
23	56.98	53.71	22.9	36.8	NNW	1	SE	4			
24	55.42	54.68	25.7	30.5	SW	1	WSW	4		W	13.7
25	58.06	57.57	24	29.9	S	3	SSW	3		S	1.8
26	59.09	57.75	24.4	29.9	SSE	1	NNW	3		W	6.4
27	57.85	56.32	24.1	30.5	EbyS	1	NW	3		W	20.3
28	57.25	56.96	23.5	29.4	ESE	1	SW	3			2.5
29	58.36	57.40	23	29.6	ESE	1	WNW	3			
30	57.91	58.46	23.4	31.9	ESE	1	NNW	3			
Mean	58.22	57.26	23.2	31.7	1		3.2				
Total											44.7

LAOAG.

[$\phi = 18°\ 12'$ N; $\lambda = 120°\ 35'$ E; barometer above sea, 13 meters; gravity correction not applied, —1.58 mm.]

MAY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.21	58.29	22.9	31.4	SE	1	WNW	3			
2	58.79	56.91	23.4	32.8	ESE	1	NNE	3			
3	58.29	57.20	22.9	31.4	ESE	1	NNW	3			
4	58.99	57.74	23.4	32.5	E	1	N	3			
5	60.17	58.63	24.7	32.4	SE	1	WSW	2			
6	59.29	58.38	24.4	31.4	ESE	1	SW	3		W	
7	58.23	57.78	25.5	30.9	SE	1	SSW	3		W	4.6
8	57.68	56.95	23.4	33.3	SSE	1	SW	3			3.8
9	58.33	57.63	23.7	32.3	ESE	1	S	3		SW	40.6
10	58.49	58.24	22.9	31	EbyS	1	SW	3			
11	58.77	58.18	23.5	30.3	ESE	1	NNW	3			
12	58.40	57.13	23.3	32.6	ESE	1	SW	3			
13	58.25	57.14	23.4	31.5	E	1	NbyW	3		SSW	
14	57.96	57.10	24.2	31.9	SE	1	NNW	3		S	
15	57.58	57.28	23.4	31.9	ESE	1	NbyW	3			
16	58.40	56.96	23.8	31.9	ESE	1	W	3			.8
17	58.10	56.59	23.9	32.2	ESE	1	W	3			
18	57.25	56.05	24.3	30.9	EbyS	1	WNW	3			
19	57.19	56.40	24.3	30.7	ESE	1	WSW	3			
20	57.25	56.59	23.9	32.4	ESE	1	NNW	3			
21	57.52	56.47	24.9	32.9	ESE	1	WSW	3			
22	57.36	56.23	25.2	33.1	ESE	1	WSW	3			
23	57.59	56.09	24.4	32.9	ESE	1	NNW	3			
24	56.51	55.28	25.4	32.9	ESE	1	WNW	3			
25	57.42	56.42	24.8	33.3	ESE	1	WSW	3			
26	57.23	57.04	24.9	33.4	ESE	1	WSW	3			
27	58.10	27.29	24.9	32.4	ESE	1	NNW	3			
28	57.79	56.12	25.2	33.9	ESE	1	WSW	3			.5
29	56.72	55.62	26	34.2	SE	1	SW	3			
30	56.54	56.56	25.5	32.5	SE	1	WSW	3			1.8
31	57.58	57.50	25.3	33.3	ESE	1	WNW	3			
Mean	57.97	57.03	24.2	32.3		1		3			
Total											52.1

JUNE.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.16	57.14	25.4	33.9	E 1	WSW 3			2.3
2	58.49	57.85	24.4	33.3	ESE 1	WSW 3			4.8
3	59.01	58.44	25.4	31.9	ESE 1	WNW 3			3
4	59.59	58.64	24	32.9	ESE 1	NNW 3			2.3
5	59.79	57.07	24.1	34.1	EbyS 1	NNW 3			
6	59.13	56.21	25.9	35.9	E 1	E 3			
7	58.64	56.12	25	34.5	SSE 1	NbW 3			
8	57.98	56.28	25.9	33.3	E 1	W 3			
9	58.04	57.19	26.4	33.2	E 1	WNW 3			
10	59.57	58.18	25.9	32.9	ESE 1	NNW 3			
11	59.04	57.71	26.5	32.5	E 1	WNW 3			1.8
12	58.41	56.88	25.5	33.2	ESE 1	WNW 3		NW	
13	57.72	56.63	25.4	32.9	ESE 1	WSW 3			7.1
14	58.78	57.93	25.4	32.4	SEbyE 1	WSW 3			
15	58.77	57.74	25.8	33.1	S 2	SSW 4		S	19.3
16	57.01	55.66	25.2	26.3	SbyW 3	ESE 2			20.8
17	54.38	53.48	25.1	29.4	ESE 1	SbyW 4			
18	53.35	52.51	24.9	33	ESE 1	SSW 3			3.3
19	53.65	52.58	25.3	32.3	S 1	SSW 4			15.7
20	54.18	53.96	24.5	30.9	E 1	SSW 5			
21	56.66	57	26.6	32.6	SSW 2	SbyW 5			
22	59.17	59.09	25.9	32.9	SE 1	SSW 3			
23	60.46	59.35	25.1	32	E 1	SW 3			
24	58.89	57.39	25.6	32.3	ESE 1	WSW 3			11.7
25	56.98	55.93	25.3	32.3	ESE 1	SW 3			
26	56.34	55.78	25.3	32.4	SE 2	SSW 3			
27	55.63	55.81	25.3	31.8	ESE 1	SSW 3		W	
28	56.72	56.10	24.9	32.3	ESE 1	SW 4			1
29	57.23	56.21	24.4	31.5	ESE 1	SW 3			1.5
30	56.18	53.74	24.9	29.7	ESE 1	NW 3			.5
31									
Mean	57.60	56.49	25.3	32.4	1.2	3.2			
Total									95.1

JULY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	54.65	51.78	25	32.5	E 1	NE 4			1
2	44.48	50.27	30.9	30.5	E 7	SW 3	S		
3	55.31	55.09	25	33.9	ENE 1	S 3			
4	57.58	57.03	25.5	33.4	E 1	SW 3			1
5	58.92	57.70	23.9	32.9	ESE 1	SW 3			
6	59.18	57.56	23.8	30.8	E 1	NW 3			
7	58.24	57.51	24.9	32	ESE 1	WSW 3		WNW	
8	58.24	56.68	24.9	33	ESE 1	WSW 3			
9	57.68	56.89	25	31.5	ESE 1	WSW 3		SW	2.3
10	57.79	56.86	24.4	32.5	ESE 1	SW 3			
11	58.01	56.73	24.9	33.7	ESE 1	SSW 3			
12	58.82	57.18	25.1	32.7	ESE 2	SW 3	SSW		
13	57.40	54.95	24.4	31.5	EbyS 1	NNW 5			25.9
14	51.85	48.18	23	28.9	ESE 3	N 5		NE	138.5
15	42.21	42.56	26.3	26.7	NNW 8	W 4	N	NW	169.7
16	47.86	50.26	24.2	24.3	SW 10	SSW 8	W	SW	181.9
17	53.02	53.95	24.3	23.9	SbyW 4	S 5	SW		140
18	54.66	54.44	24.4	26.9	S 1	S 3			2.8
19	54.49	54.09	23.9	29	Calm	SSW 3			46.2
20	55.41	54.12	23.7	29.5	SSE 1	SSW 3			1.3
21	53.56	52.82	23.9	28.1	SE 1	NW 2			23
22	52.86	50.98	24	31	E 1	WSW 2			22.4
23	50.27	49.99	23.9	30.5	E 1	SSW 3			5.8
24	50.22	50.11	25.9	24.4	SSW 3	S 4	S	S	95.2
25	47.98	49.38	26.7	25.4	S 6	SSW 6	SW	S	26
26	51.54	52.41	24.9	27.4	SSW 2	SSW 3	SW	S	54.6
27	55.17	55.87	24.3	31.4	E 1	SSW 3			4.8
28	57.18	56.91	24.5	30.1	EbyN 1	NW 2			14.7
29	56.83	55.95	24	29.8	ESE 1	NW 3			
30	55.97	55.31	25.3	30.7	E 1	SW 3			
31	55.09	53.58	24.6	28.8	ESE 1	NW 3			126.8
Mean	54.27	53.78	24.8	29.9	2.1	3.5			
Total									1,083.9

AUGUST.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	47.99	43.72	25.9	24.5	NW 7	W 8	NW	NW	153.5
2	52.22	53.02	24.9	28.7	SSE 3	S 4	S		26.7
3	54.07	53.86	23.4	28.4	ESE 2	S 3			3.8
4	54.55	54.22	24.9	29.3	SSE 1	S 4			16.5
5	55.09	55.30	24.5	30.9	ESE 1	SSW 4			
6	56.68	56.20	24.9	31.4	SE 1	SSW 3			
7	57.01	56.48	24.8	31.5	ESE 1	S 4			
8	55.71	55.03	24.3	30.5	SE 1	SSW 3		SW	2.3
9	54.10	52.67	25.8	29.4	SSW 1	W 4	SW	W	58.9
10	51.80	51.81	26	25.1	SW 2	WSW 3	W	SW	76.3
11	51.40	52.64	26.9	27	SSW 1	S 3	SW	SW	94.9
12	53.57	53.75	23.3	24.9	SSE 2	S 3			141.7
13	54.11	53.05	23.5	24.9	S 2	S 3			78.7
14	53.05	53.17	23.4	24.5	S 2	S 3			63
15	55.11	55.85	25.3	29.4	S 1	S 4			
16	57.83	57.49	25.4	30.1	S 1	S 4			
17	57.43	56.51	23.9	30.3	SE 1	S 4			1.5
18	56.42	54.79	24.6	29.4	S 1	SSW 3			2.5
19	55.68	54.64	23.4	29.7	SSE 1	W 3			3
20	55.90	55.13	23.9	28.9	ESE 1	WSW 2			1.5
21	56.21	55.37	24.2	29.3	S 1	WNW 3			2.5
22									
23		55.83		30.5		SSW 3			
24	56.25	54.36	23.3	24.9	E 1	NNE 3			125.4
25	52.46	49.87	23.9	25.9	SSE 1	NW 6	N	NNW	135.8
26	48.60	49.16	25.9	24.4	W 6	SW 7	NW	W	67.8
27	52.81	53.61	25.5	29.7	SbyW 3	S 4	SSW	S	
28	56.36	56.03	23.5	29.3	SE 1	S 4			.8
29	56.04	55.08	25	30.3	S 1	SW 3		SW	3.8
30	54.70	54.24	26.3	29.7	SSW 1	SSW 4			3.3
31	53.38	53.30	24.9	28	SSW 2	SSW 5	SW	SW	97.7
Mean	54.36	53.87	24.7	28.4	1.7	3.8			
Total									1,161.9[1]

[1] 29 days of observation.

LAOAG.

[$\phi = 18°\ 12'$ N; $\lambda = 120°\ 35'$ E; barometer above sea, 13 meters; gravity correction not applied, −1.58 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	53.88	54.91	26.3	27.4	S 2	S 4	SW	SW	43.2
2	56.24	55.83	26.7	31	SbyW 2	S 5			
3	56.73	55.73	24	31.3	SE 2	SSW 4			
4	56.48	56.23	24.1	30.1	SE 1	SbyW 3			
5	56.85	56.37	24.3	31.9	SSE 1	SSW 3			
6	57.20	57.15	24	31.6	SE 1	SSW 3			
7	58.48	57.72	23.9	30.5	SE 1	WNW 3			
8	57.53	56.77	23.7	31.9	ESE 1	W 2			
9	57.45	56.66	24.3	31.4	SE 1	W 3			
10	58.33	57.44	23.9	31.9	SE 1	W 2			
11	58.88	57.71	24.7	32	SSE 1	WSW 3		SE	
12	58.75	57.36	24.4	31.9	ESE 1	WNW 3			
13	57.83	56.05	24.6	31.3	ESE 1	WNW 3			
14	57.25	55.41	23.4	32.9	ESE 1	NNE 2			
15	56.57	54.89	21.9	31.8	E 1	N 4			1.8
16	54.36	52.89	24.5	26	E 1	NNW 2			215.4
17	48.22	46.24	24.4	23.2	WNW 7	SW 9	NW	W	545.1
18	52.41	53.81	23.5	28.4	E 1	S 1			5.1
19	54.87	54.35	23.4	31.3	ESE 1	S 3			
20	56.42	56.68	24.2	30.5	E 1	SW 3			
21	58.01	56.70	23.8	28.7	E 1	WNW 3			2.5
22	56.18	54.86	23.9	31.5	ESE 1	SW 3			8.1
23	56.80	56.48	24.2	30.4	ESE 1	SW 3		NW	
24	58.40	57.43	23.6	30.5	E 1	WSW 3			
25	58.24	55.81	23.1	34	E 1	E 2			
26	55.71	53.46	25.4	31.4	NNE 1	NNE 4		N	32.5
27	48.65	37.05	23.8	(a)	NNE 7	NNW 8		N	118.7
28	35.87	41.44			SSW 6	S 10			193.5
29	49.68	49.51			S 4	S 5	S		83.6
30	52	52.10			S 3	S 4			53.1
31									
Mean	55.14	54.17	24.1	30.6	1.8	3.7			
Total									1,302.6

OCTOBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	54.62	55.60			S 2	S 3	S	S	11.5
2	58.25	58.47			ESE 1	S 3			
3	60.02	59.41			EbyS 1	SSW 3			
4	59.16	57.81			ESE 1	SW 3			
5	59.05	58.36			E 1	WNW 3			
6									
7	59.25	58.71			ESE 1	WSW 3			
8	60.26	60.23			ESE 1	WSW 3			
9	61.19	59.15			EbyS 1	WNW 2			
10	60.05	58.61			E 1	NE 4			
11	59.35	57.56			E 1	NNE 3			
12	58.79	57.90	23.6	29.5	E 1	SW 3		NW	
13	59.25		23.5		ESE 1				
14	58.94	57.72	23.7	31.9	EbyN 1	ENE 4			
15	59.25	58	22.2	30.9	ESE 1	N 4			
16	59.75	57.53	22.9	30.5	EbyN 1	NNW 4			
17	60.39	58.75	23.9	30.3	ENE 1	NE 4			
18	61.43	59.67	24.3	32	NE 1	NNE 3			
19	61.03	58.95	22.5	31.3	ESE 1	NE 4			
20	60.31	58.40	21.3	31	EbyN 1	NE 4			
21	60.75	58.77	19.9	30.9	NE 1	NE 4			
22	61.71	60.32	19.7	31.4	EbyN 1	NE 3			
23	61.91	60.46	20.7	30	ESE 1	N 3			
24	61.70	59.51	21.9	30.3	E 1	NNW 3			
25	61.52	59.51	21.6	30.4	EbyS 1	NNW 3			
26	61.38	60.31	21.8	30.1	ESE 1	NNW 3			
27	61.63	60.63	20.4	30.9	ESE 1	NW 3			
28	62.25	61.11	20.7	30.9	E 1	NW 3			
29	61.79	60.87	20.9	31	ESE 1	NW 3			
30	61.61	60.33	20.9	30.8	ESE 1	NNW 3			
31	60.72	59.83	21	30.1	ESE 1	NW 3			
Mean	60.24	59.05	21.9	30.8	1	3.2			
Total									b 11.5

NOVEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	60.85	58.95	22.6	31.4	ESE 1	NW 3			
2	61.14	59.25	20.5	32	EbyS 1	NNE 3			
3	61.33	59.56	23.8	30.3	NNE 2	NE 4			
4	60.79	58.56	19.9	30.8	NE 1	NE 4			
5	60.02	57.43	20.8	31.3	NNE 2	NNE 3			
6	59.85	57.65	20.7	29.5	NNE 1	NNE 4			
7	59.81	59.13	22.3	26.1	NE 3	NNE 5			
8	61.23	60.04	21.9	27.9	N 2	NNE 4			
9	62.90	61.23	20.5	30	E 1	NNE 4			
10	63.21	61.41	16.1	29.3	E 1	NNE 3			
11	62.79	60.61	15.5	29.4	E 1	NNE 3			
12	62.59	59.99	18.3	29.9	EbyS 1	NW 2			
13	62.39	60.30	17.9	32.2	ESE 1	NE 3			
14	61.99	60.11	18	29.4	E 1	NE 3			
15	61.58	59.21	19.7	29.5	E 1	NE 3			
16	60.42	58.82	20.7	31.9	E 1	NNE 2			
17	60.90	58.87	20.9	32.6	EbyS 1	NNW 2			
18	60.94	59.14	24.3	33.3	NNE 1	ENE 3			
19	60.83	58.61	20	33.4	ESE 1	NE 3			
20	60	57.76	19.4	31.9	EbyS 1	NNW 3			
21	58.87	57.11	21.5	30.9	ESE 1	N 3			
22	59.02	57.45	21.6	30.4	ESE 1	NNW 3			
23	59.11	57.61	22.2	29.7	E 1	NE 3			
24	59.71	59.23	21.7	29.3	ESE 1	NNW 3			
25	61.33	59.21	18	30.9	E 1	NNW 3			
26	61.38	59.78	19.4	31.3	ENE 1	N 3			
27	61.98	59.91	20.3	31.5	ESE 1	NNW 3			
28	61.75	60.45	22.1	28.9	E 1	NNW 3			
29	62.06	59.47	20.6	30.8	ESE 1	NNW 3			
30	61.58	59.53	19.7	31.3	ESE 1	NW 3			
31									
Mean	61.08	59.21	20.4	30.6	1.2	3.1			
Total									

DECEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	60.89	59.98	19.9	28.1	ESE 1	NW 3			
2	61.11	58.95	20.1	29.4	ESE 1	NW 3			
3	61.11	59.15	20.3	31.4	ESE 1	NNW 3			
4	60.11	58.77	19.9	29.9	SE 1	NW 3			
5	60.27	57.97	19.7	30.2	ESE 1	NW 3			
6	59.76	56.98	18.8	32.2	ESE 1	NNE 3			
7	58.96	57.61	18.9	30.3	NE 1	NNE 4			
8	56.96	54	24.7	24.7	NW 3	N 5		NNE	13.2
9	51.76	50.60	24.9	26.3	SSW 1	SE 3			23.3
10	56.31	55.48	22.6	24.7	NNW 2	NW 3			7.1
11	59.07	56.76	22.3	26.6	NNE 3	NNE 5			1
12	59.97	57.81	21.3	31.3	E 1	NE 3			
13	60.82	59.44	21.4	28.8	E 1	W 3			
14	61.93	58.71	21.8	31.2	EbyN 1	W 3			
15	61.94	59.46	19.4	31.9	E 1	E 3			
16	62.40	60.24	18.5	31.4	ESE 1	NW 3			
17	62.02	59.73	21.2	31.5	E 1	W 3			
18	62.84	61.61	21.6	28.5	E 1	NW 3			
19	62.73	61.12	20.1	29.5	ESE 2	W 3			
20	62.33	61.02	20.5	30	ESE 1	W 3			
21	63.20	62.33	19.8	29.9	ESE 1	WSW 3			
22	63.33	61.89	19.9	29.8	ESE 1	NW 3			
23	63.26	61.78	19.3	32.2	E 1	E 3			
24	63.33	61.76	21.2	29.5	NE 1	SW 3			
25	62.88	61.23	20.2	30.4	E 1	NW 3			
26	62.36	59.85	18.9	30.5	E 1	NW 3			
27	61.89	59.94	18	30.9	ESE 1	NNW 3			
28	62.04	59.51	16.7	29.3	ESE 1	NW 3			
29	61.33	59.36	19.9	29.1	ESE 1	NE 4			
30	60.45	58.93	19	30.9	E 1	NNE 3			
31	60.46	58.69	20.8	29.4	EbyS 1	NNW 3			
Mean	60.90	59.05	20.4	29.7	1.2	3.2			
Total									44.6

[a] The thermometer shelter was destroyed by hurricane winds during a typhoon of September 27.
[b] 30 days of observation.

SANTO DOMINGO.

[$\phi = 20°\ 28'$ N; $\lambda = 121°\ 59'$ E; barometer above sea, 18.7 meters; gravity correction not applied, —1.49 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	63.05	61.17	22.4	25.5	ESE 3	SEbyE 4	ESE	SE	58.7
2	62.67	62.52	20	19.9	NNE 6	NNE 5	NNE	NNE	25.9
3	64.63	63.48	20.2	22.6	NE 4	ENE 3	NEbyE	ENE	10.7
4	64.36	62.62	23	25	E 3	SEbyE 3	E	SE	-------
5	62.90	61.90	23.8	28	SSE 2	SSW 1	SSE	SW	-------
6	64.67	64.13	21.9	22.2	NNE 5	NNE 4	NNE	NEbyN	3
7	65.59	63.91	20.8	23.5	NE 1	ENE 3	NE	ENE	-------
8	66.28	63.82	21.9	24.5	NE 3	ENE 3	NE	E	-------
9	62.82	60.57	22	23.6	NE 1	NE 2	NE	NE	8.1
10	60.71	59.24	21.6	21.6	N 4	N 5	N	N	15
11	61.16	59.54	21.8	23.1	N 3	NNE 3	NbyE	NNE	-------
12	62.25	62.34	20.4	21	NNE 5	NNE 5	NNE	NNE	17.3
13	64.64	64.51	18.1	19.6	NNE 5	NNE 4	NNE	NNE	11.4
14	64.79	62.57	20.4	24.5	NE 2	NE 3	NE	NE	7.2
15	62.92	60.99	20	23.4	N 5	NNE 4	N	NNE	1.3
16	63.17	62.07	19.5	21.3	NE 5	NNE 2	NE	NEbyN	10.4
17	62.97	61.25	20.3	21.4	E 1	N 1	NE	N	9.6
18	62.84	61.05	20.4	23.9	Calm	N 3	N	N	-------
19	62.92	62.26	20.7	21.5	N 1	N 1	N	N	14.2
20	63.23	62.81	19	20.8	NNE 3	NNE 4	NNE	NNE	8.1
21	62.62	61.55	20.4	24	ENE 1	ENE 1	ENE	ENE	25.1
22	62.91	62.76	19.8	19.6	N 1	N 5	N	N	60.4
23	63.25	61.61	19.3	22	N 5	NE 4	N	NE	1.8
24	61.79	60.89	20.7	24.3	ENE 2	E 4	EbyN	E	-------
25	62.07	61.06	21	24	E 4	E 4	E	EbyS	-------
26	60.66	59.19	21.6	25.8	ESE 3	ESE 3	ESE	ESE	.9
27	58.53	57.69	23.4	26	ESE 3	SSE 4	SEbyE	SSE	-------
28	58.13	57.43	21	26	Calm	NNW 1	WSW	NNW	-------
29	59.49	58.34	21.8	25.6	E 2	E 3	E	E	-------
30	58.79	57.44	23	25	ESE 4	SE 4	ESE	SE	-------
31	58.10	57.47	22.5	28.2	WSW 1	W 1	WSW	WSW	-------
Mean	62.42	61.23	21.1	23.5	2.8	3.1	-------	-------	-------
Total	------	------	------	------	------	------	------	------	289.1

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.14	56.66	23.8	28.1	SSW 2	SW 3	SW	WSW	-------
2	58.92	58.78	24	25.1	WSW 3	W 2	WSW	W	14.2
3	61.72	61.38	22.5	22.6	N 5	N 5	N	NNE	1.7
4	64.78	64.55	20.8	21.5	NE 4	NE 4	E	NE	7.8
5	65.16	64.42	20.5	23.4	ENE 4	E 4	E	E	.5
6	64.89	63.57	20	22.6	NEbyE 4	ENE 4	NEbyE	ENE	-------
7	65.24	63.12	20.8	25.2	EbyN 4	EbyN 4	E	E	-------
8	63.95	62.52	21.2	24.6	E 4	E 3	E	EbyS	-------
9	64.85	64.38	21.2	22.2	NE 4	NE 4	NE	NEbyE	.2
10	67.10	65.78	21.2	26	NEbyE 4	ENE 4	ENE	ENE	-------
11	66.87	66.15	21.5	25.9	ENE 3	ENE 3	NEbyE	ENE	-------
12	66.67	65.61	21.8	25	EbyN 5	EbyN 5	EbyN	EbyN	-------
13	65.27	63.95	21.5	24.6	E 3	E 4	E	E	-------
14	63.73	62.36	21.6	25.2	EbyS 3	E 3	E	E	-------
15	63.80	62.66	21.6	25.6	NE 2	ENE 3	NEbyN	NE	1.4
16	63.76	62.95	21.3	22	NE 4	NNE 5	NE	NNE	2.3
17	63.17	62.61	20	22	NE 5	NE 5	NE	NE	-------
18	64.27	64.68	21	22.9	NE 6	NE 5	NE	NE	2
19	67.62	66.84	20	20.4	NE 5	NE 5	NE	NE	-------
20	67.99	66.50	20.4	23.8	NE 5	NE 5	N	NE	-------
21	67.03	64.90	20.4	22.9	NE 2	ENE 3	NE	ENE	-------
22	64.09	62.37	18.8	23	Calm	ENE 2	ENE	ENE	-------
23	63.87	63.33	20.9	22	N 1	NNE 5	NNW	NNE	2.5
24	67.18	65.69	20	21.4	NE 5	NE 5	NE	NE	7.5
25	65.97	64.48	20.2	22.2	NNE 4	NNE 3	NNE	NNE	1
26	63.21	61.69	20.5	23.2	NNE 3	N 4	NNE	NNE	2.3
27	61.89	60.39	20.3	22.5	N 3	NNE 3	NNE	NNE	1
28	61.11	60.18	20.9	22	NE 2	NE 2	NE	NE	.8
29									
30									
31									
Mean	64.33	63.30	21	23.5	3.5	3.8	-------	-------	-------
Total	------	------	------	------	------	------	------	------	45.2

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	62.39	62.09	19.6	22.6	Calm	N 3	NNE	N	-------
2	64.02	63.09	19.5	21.6	NNE 3	NE 4	NE	NE	-------
3	63.41	62.62	19.4	23	ENE 3	E 4	NE	E	-------
4	62.47	61.07	20.2	25	ESE 4	ESE 4	ESE	ESE	-------
5	60.99	60.58	22.6	27.5	ESE 3	SSE 3	SE	SEbyS	-------
6	60.52	59.16	23.5	28	S 1	WSW 3	S	WSW	-------
7	60.94	60.19	22.4	24	N 3	NNE 3	N	NNE	-------
8	61.44	59.77	22	26.7	E 2	ESE 2	E	SE	-------
9	61.10	59.94	23	27.4	ESE 2	ESE 3	SEbyE	ESE	-------
10	59.48	58.72	23.2	28.7	ESE 3	ESE 3	ESE	ESE	-------
11	62	61.64	22.7	24	N 1	NNE 4	NNW	NEbyN	0.8
12	62	61.58	23	25.8	E 4	ESE 2	EbyS	ESE	2.2
13	62.19	60.43	24	28	ESE 3	ESE 4	ESE	SSE	-------
14	61.37	60.06	24.2	28	SE 3	SE 4	SSE	SE	-------
15	60.52	58.69	24.8	28.5	SE 2	SE 2	SE	SE	-------
16	59.37	58.27	24.7	29.4	SE 2	SSE 2	SE	SSE	-------
17	59.86	59.63	23.4	28.5	Calm	NW 2	W	WNW	-------
18	59.57	58.70	21.7	26.7	Calm	W 4	------	W	.7
19	63.06	62.78	20.7	21.2	NNE 4	NNE 4	NNE	NEbyN	.5
20	63.56	62.21	20.4	23.2	NE 3	ENE 3	NEbyE	ENE	.4
21	62.50	60.62	22.5	26.9	ESE 4	SEbyE 4	SEbyE	SE	-------
22	62.11	60.53	24.3	28.5	SE 2	SSE 3	SSE	SSE	-------
23	61.89	61.67	23.6	23	WNW 1	N 4	WNW	N	3.8
24	64.39	63.20	20.8	21.6	NNE 4	NE 4	NEbyN	NE	-------
25	63.98	63.11	21	23.5	NE 1	NE 3	ENE	NE	-------
26	64.90	64.03	21	24.6	NE 1	NE 2	NE	NE	-------
27	65.20	64.52	22.8	26.9	ENE 3	E 3	ENE	E	2.5
28	64.78	63.92	22.9	23.4	E 3	E 1	E	E	5.1
29	65.10	64.30	23.3	25.4	ENE 2	ENE 3	ENE	ENE	-------
30	64.27	63.15	23.4	27.5	ENE 3	E 3	E	E	-------
31	63.46	61.28	23	27	E 4	E 3	E	E	-------
Mean	62.35	61.34	22.4	25.7	2.4	3.1	-------	-------	-------
Total	------	------	------	------	------	------	------	------	16

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	61.20	60.34	21.6	27.2	Calm	EbyN 3	EbyN	EbyN	-------
2	61.50	60.89	22.7	27.4	E 3	E 2	E	E	-------
3	62.77	62.20	23.2	26.4	ENE 1	NE 3	ENE	NE	-------
4	62.87	61.15	23.8	27.5	E 3	E 3	E	E	-------
5	61.44	60.75	24	27	E 4	E 4	EbyS	ESE	-------
6	62.07	61.26	24.4	27.6	E 3	E 3	ESE	ESE	-------
7	61.39	60.32	24.2	27.5	E 3	EbyS 3	E	ESE	-------
8	59.82	58.95	24.3	26	ESE 4	ESE 4	SEbyE	ESE	0.8
9	58.83	57.57	25	29	SEbyE 4	SE 4	SEbyE	SE	-------
10	58.33	56.96	25.1	28.5	SSE 1	SSE 3	-------	SSE	-------
11	56.83	56.47	25.5	29.4	WSW 2	WNW 2	WNW	WNW	4.8
12	59.29	58.50	24.2	27.6	ENE 2	NE 2	ENE	NE	.3
13	59.94	58.84	25	27.4	ESE 3	SSE 3	SEbyE	SSE	13
14	58.97	57.97	23.7	27.4	NW 1	NW 3	NW	NW	-------
15	59.39	58.74	23.6	26.5	N 3	NNE 4	NNE	NNE	-------
16	60.19	58.71	22.6	27	ENE 1	ENE 2	ENE	ENE	4.6
17	60.41	59.24	23.5	23	N 2	N 3	NNE	NNE	52.3
18	62.21	61.76	18.4	20.1	NNE 5	NE 3	NEbyN	NE	2.8
19	61.24	60.88	21.5	24.8	E 2	E 1	E	E	2.5
20	62.66	62.02	22.8	24.7	NNE 2	NE 3	NNE	NE	2.3
21	63.72	62.53	23.8	26.6	ESE 2	ESE 3	ESE	ESE	.4
22	62.56	60.97	24.2	28.6	ESE 3	ESE 3	ESE	ESE	-------
23	60.67	58.02	24.8	28.6	E 3	EbyS 3	EbyN	E	2.9
24	57.30	56.42	25.4	28	SE 3	SSE 4	SEbyS	SSE	9.4
25	57.70	58.10	25	27	SSW 2	SW 2	S	SW	15.5
26	58.95	58.07	25.6	28	SW 3	W 4	SW	W	5.1
27	58.42	57.33	24.1	25.6	NE 3	ENE 3	NEbyE	ENE	-------
28	57.54	57.56	24.9	27.6	ENE 2	NEbyE 3	NE	NEbyN	-------
29	59.48	58.62	23.3	27.8	Calm	E 3	E	E	-------
30	59.27	59.75	24.4	28.3	ESE 1	ESE 3	ESE	ESE	-------
31									
Mean	60.23	59.36	23.8	26.9	2.4	3	-------	-------	-------
Total	------	------	------	------	------	------	------	------	116.7

SANTO DOMINGO.

[ϕ=20° 28′ N; λ=121° 59′ E; barometer above sea, 18.7 meters; gravity correction not applied, —1.49 mm.]

MAY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	60.76	60.50	24.5	28.6	E 1	ENE 2	E	ENE	-------
2	61.16	60.26	24.3	28.1	ENE 2	ENE 2	ENE	ENE	-------
3	60.96	59.87	24.4	28	E 1	E 3	E	E	7.1
4	60.78	60.14	24.7	29	E 2	E 3	E	E	-------
5	61.59	60.70	26.2	29.7	ESE 3	ESE 3	ESE	ESE	-------
6	61.27	60.30	25.4	29.6	E 2	ESE 3	E	ESE	-------
7	60.17	59.21	25.7	29	ESE 2	ESE 3	ESE	ESE	-------
8	58.50	58.34	26	26.7	ESE 3	SE 1	ESE	SE	13
9	58.90	58.75	25	27.5	Calm	SSE 1	SEbyS	SSE	14
10	58.97	58.47	25	26.4	SW 1	WSW 2	SW	WSW	4.5
11	58.86	58.80	25.8	29	WNW 2	NW 2	WNW	WNW	.1
12	59.26	58.36	23.6	28.9	Calm	NW 2	WNW	WNW	-------
13	59.03	58.30	24	30	Calm	SSW 1	S	SSW	-------
14	58.09	57.60	25.5	30.4	Calm	W 1	S	W	-------
15	58.11	58.85	24.5	28.9	Calm	NNW 2	-------	N	8.1
16	59.96	58.74	25	28.5	NE 2	NE 2	NE	ENE	5.5
17	58.56	58.15	24.3	30.1	Calm	W 3	SEbyS	WSW	-------
18	57.85	57.25	25.8	28.2	Calm	ESE 1	-------	NNE	3.3
19	57.88	57.11	24.4	28.6	Calm	ESE 2	SE	SSE	.5
20	57.77	57.43	26.7	30.7	SSE 1	SSE 2	SbyE	S	-------
21	58.12	56.73	26.3	29.7	Calm	W 1	S	SSW	.5
22	58.65	57	25	29	Calm	WNW 1	S	SSW	-------
23	57.59	56.66	26.4	26.7	SSE 1	SW 1	SSE	SW	18
24	56.67	56.16	26.1	30.2	Calm	WSW 1	SW	WSW	-------
25	58.09	58.78	26.6	30.9	SW 1	WSW 2	SW	WSW	13.9
26	57.14	57.35	26.9	27.2	WSW 2	W 3	WSW	W	13.1
27	58.47	57.94	26.6	30.5	W 1	W 2	W	W	-------
28	58.23	56.60	26.6	30.5	SSE 1	SW 2	S	WbyS	-------
29	55.91	55.45	27.4	30.4	SW 1	WSW 3	SW	WSW	-------
30	56	57.14	27.6	26.5	SSW 2	W 1	SSW	W	16.7
31	58.71	59.20	25.6	28.5	Calm	E 2	-------	ESE	-------
Mean	58.77	58.26	25.5	28.9	1	1.9	-------	-------	-------
Total	------	------	-----	-----	----------	----------	-------	-------	118.3

JUNE.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	60.10	58.87	27.7	30.8	SE 2	SE 3	SE	SE	3.8
2	58.98	58.08	27.8	31.1	SSE 3	SbyE 3	SSE	S	1.5
3	59.19	58.80	27	30.9	Calm	WNW 2	-------	WSW	-------
4	60.29	59.85	27.6	31.5	SE 1	SE 3	SE	SE	-------
5	60.79	59.55	28	30.7	ESE 3	ESE 3	ESE	ESE	-------
6	60.93	59.39	28	31	ESE 3	ESE 4	ESE	ESE	.5
7	60.45	58.82	27.2	31.2	ESE 1	EbyN 3	EbyS	ENE	1
8	59.39	58.44	27.7	30.7	E 1	E 4	EbyN	E	.7
9	59.95	59.29	27.8	31.4	E 2	EbyS 3	E	ESE	-------
10	61.25	60.30	27.8	31	ESE 2	E 3	ESE	E	-------
11	61.24	59.89	28	31.5	E 2	E 3	EbyS	E	-------
12	59.79	58.45	28	31.6	E 2	ESE 3	E	ESE	-------
13	58.49	57.69	28	31.7	SE 3	ESE 3	ESE	ESE	-------
14	59.06	58.03	27	31.5	Calm	ESE 3	ESE	ESE	-------
15	58.30	57.10	28.2	31.2	WSW 2	W 4	WSW	WSW	-------
16	55.96	54.55	28.6	30.6	W 3	NW 4	WbyN	NW	-------
17	53.77	52.50	26.3	31.6	Calm	W 3	WNW	W	-------
18	53.11	52.93	28.1	32	WSW 3	SW 3	WSW	SWbyS	-------
19	54.31	53.91	28.6	28.9	S 2	SSE 1	S	SbyE	13.2
20	55.41	54.92	27.7	32	S 1	SSE 3	SE	SSE	43.2
21	56.99	57.49	28.7	32.2	S 2	S 3	S	SSW	13.2
22	59.81	59.29	26.2	31.9	Calm	SSW 2	SSW	SSW	-------
23	60.18	59.13	27.9	30.2	SW 2	W 4	SW	WbyN	-------
24	58.14	56.63	28.2	30.4	WSW 4	WSW 4	WSW	WSW	-------
25	55.46	54.70	27.6	30	W 5	WSW 5	W	WSW	-------
26	55.04	54.93	28	30.4	WSW 5	W 5	WSW	W	-------
27	54.91	55.15	28.1	29.2	W 4	W 5	W	W	-------
28	56.40	56.28	28	31.2	WSW 3	WSW 4	WSW	WSW	-------
29	57.01	56.28	28	31.9	W 2	W 1	W	WNW	-------
30	57.15	55.19	27.6	31	ENE 1	EbyN 3	NEbyE	E	4.6
Mean	58.06	57.21	27.8	31.2	2.1	3.2	-------	-------	-------
Total	------	------	-----	-----	----------	----------	-------	-------	81.7

JULY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	55.82	54.85	27	29.5	E 3	E 5	E	E	15
2	55.20	55.10	27.2	28.4	E 5	ESE 5	EbyS	SE	2.9
3	57.20	56.78	27.8	30.8	SE 5	SEbyS 4	SEbyS	SSE	5.6
4	58.44	58.47	27.6	29.4	SSE 2	SSE 3	SSE	SSE	20.3
5	59.65	58.95	27.4	30.4	ESE 1	ESE 2	ESE	ESE	-------
6	59.66	59	25	30.7	Calm	SE 2	SE	SE	-------
7	59.25	58.54	27	30.9	ESE 2	SE 2	SEbyE	SE	-------
8	58.94	57.60	26.9	31	SE 1	SE 2	SE	SE	-------
9	57.59	56.77	26.1	31	Calm	WNW 3	-------	WNW	33
10	57	56.44	25.4	29.8	WNW 2	WNW 4	WNW	WNW	1
11	56.90	57.08	27.4	30.2	W 4	W 4	W	W	-------
12	58.30	57.77	27.8	31	W 3	W 3	W	W	-------
13	57.95	56.38	26.4	31.1	EbyS 1	ESE 2	E	NEbyE	29.6
14	53	50.18	26.6	28.5	ENE 3	NE 5	ENE	ENE	41.5
15	47.76	46.86	25.7	27.3	ESE 5	ESE 3	ESE	ESE	54.9
16	46.58	47.23	26.4	24.6	SE 6	S 6	SE	S	122.5
17	52.53	52.63	25	26	S 4	SSW 5	S	SSW	33.5
18	54.41	54	26.2	30.4	SSW 3	SSW 3	SSW	SSW	7.3
19	55.19	54.45	26.6	27.8	E 1	ESE 3	Variable	ESE	28.9
20	55.90	55.26	27	29.8	SE 2	ESE 3	SE	ESE	9.4
21	55.07	54.10	27	29.5	ESE 3	SE 3	ESE	SE	2
22	54.23	52.55	26.3	29	Calm	EbyS 3	variable	EbyS	-------
23	51.75	51.39	26.6	30.4	E 2	E 3	EbyS	EbyS	4.6
24	51.52	50.11	26.8	30.8	E 2	EbyS 3	ESE	ESE	3.9
25	49.22	50.27	27	26	SE 2	WSW 3	SSE	SW	5
26	51.05	52.30	27.3	29	SSE 2	WSW 3	SSE	SSW	.2
27	55.87	56.82	26.6	30.6	Calm	NW 2	WNW	WNW	.5
28	57.57	57.73	26.4	29.5	Calm	N 1	NW	N	3.2
29	56.91	56.46	24.4	30.5	Calm	W 1	WSW	Variable	-------
30	56.51	55.86	25	30.4	W 1	W 1	WNW	WNW	-------
31	55	53.52	27	29.5	NNE 1	NE 3	NNE	NE	18.8
Mean	55.22	54.69	26.5	29.5	2.1	3.1	-------	-------	-------
Total	------	------	-----	-----	----------	----------	-------	-------	443.6

AUGUST.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	50.57	50.74	25.7	29.5	ENE 5	EbyS 4	ENE	ESE	15
2	52.66	53.72	27.4	30	SE 4	W 2	SE	W	-------
3	55.01	53.95	24.5	30.5	Calm	ESE 3	ESE	ESE	-------
4	55.05	54.74	26.4	27.3	S 1	S 2	S	S	24.9
5	54.82	55.74	24.5	29.9	Calm	S 1	-------	SSW	.4
6	56.22	56.73	26.6	29.1	ESE 2	W 3	S	W	-------
7	57	56.89	26.6	29.1	WSW 3	WSW 3	WSW	WSW	.2
8	55.17	53.71	26.2	29	WNW 3	WNW 4	WNW	WNW	33.3
9	52.27	50.64	25.4	27	W 4	W 4	W	W	38.1
10	49.43	48.97	25.2	26.5	W 5	W 5	W	W	51.8
11	50.35	51.45	26.2	25	W 3	W 4	W	WSW	25.9
12	52.47	52.81	26.5	26.9	WSW 4	SW 3	SWbyW	SW	13
13	52.89	51.78	25.7	26.3	SW 3	SW 3	SWbyS	SWbyS	38.9
14	51.04	51.87	25	26.8	SSW 4	W 5	SW	WSW	28.4
15	54.28	55	26.5	28.9	SW 4	SW 3	SW	SWbyW	4
16	57.41	57.44	27	29.3	WSW 3	WSW 4	WSW	WSW	-------
17	57.41	56.50	26.8	29.5	SW 3	SW 4	SWbyS	SW	-------
18	55.78	54.47	26.7	29.5	WSW 3	WSW 3	WSW	WSW	-------
19	55.11	54.79	26.6	28.9	SW 3	WSW 3	SW	WSW	.2
20	56.40	55.70	26.5	29.2	WSW 1	Variable 1	WSW	Variable	6.4
21	57.03	56.19	25.2	30	Calm	NNE 2	-------	NNE	6.1
22	56.81	56.24	27	31.1	SE 2	SE 2	SE	SEbyE	-------
23	56.89	56.78	25	31.5	ESE 1	EbyS 3	ESE	ESE	-------
24	56.45	53.99	27.2	29.8	NNE 2	NNE 4	NNE	NNE	6.1
25	52.05	48.95	26.4	28.2	NNE 4	NNE 4	NEbyN	NEbyN	63
26	25	33	-----	-----	NbyW 7	SSW 7	NNW	SSW	142.2
27	50.30	52.30	-----	-----	SSW 5	SSW 4	SSW	SSW	-------
28	55	54.62	-----	-----	SSW 4	SSW 3	SSW	SSW	1.3
29	53.87	52.49	-----	-----	WSW 4	WSW 4	WSW	WSW	11.4
30	52.28	51.26	-----	-----	WNW 3	W 4	WNW	W	1.8
31	48.94	47.79	-----	-----	W 4	W 5	W	W	4
Mean	53.10	52.94	26.1	28.8	3	3.4	-------	-------	-------
Total	------	------	-----	-----	----------	----------	-------	-------	516.4

The thermometers of this station were broken during a typhoon of August 26.

SANTO DOMINGO.

[$\phi = 20°\ 28'$ N; $\lambda = 121°\ 59'$ E; barometer above sea, 18.7 meters; gravity correction not applied, —1.49 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	51.13	52.07			SWbyW 5	swbyw 5	SW	SW	
2	55.04	54.54			SSW 3	SSW 4	SSW	SSW	0.2
3	55.68	55			S 3	S 3	S	S	
4	55.87	55.75			SSE 2	SSE 2	S	S	
5	56.46	55.48			S 2	S 3	S	S	
6	56.30	56.60			SSE 2	S 3	SSE	S	
7	58.35	57.54			S 1	SSE 1	SbyW	SSE	1.8
8	58.37	57.23			E 2	E 3	E	E	
9	58.47	57.25			ENE 1	E 3	E	E	
10	59.60	58.73			Calm	E 3	E	E	1.3
11	60.17	59.22			variable 1	E 3	E	E	
12	59.10	57.33			Calm	NE 3	E	Variable	
13	58.57	57.15			ESE 1	ESE 3	ESE	ESE	.8
14	57.85	56.50			Calm	NE 3	ENE	NEbyE	
15	56.52	54.88			NNE 3	NNE 3	NNE	NNE	.8
16	53.38	50.46			NNE 4	NNE 5	NNE	NNE	19.8
17	46.54	49.06			ESE 5	ESE 4	ESE	ESE	4.8
18	55.90	54.87			ESE 5	ESE 5	ESE	ESE	1.3
19	55.94	55.53			ESE 3	ESE 3	ESE	ESE	.5
20	56.69	56.66			Calm	N 1	Variable		
21	58.64	57.37			Calm	NE 2		NEbyE	3.3
22	57.55	56.97			NE 1	NE 2	NEbyE	NEbyE	19.4
23	57.71	57.38			ESE 1	SE 2	SEbyE	SE	
24	58.42	57.84			NE 1	NE 3	NE	NEbyE	28
25	58.70	57.64			NE 2	NE 3	NEbyE	NE	.9
26	56.43	54.18			NE 4	NE 5	NE	NEbyN	40.4
27	50.20	46.96			NEbyE 6	NE 6	ENE	ENE	102.8
28	46.89	48.65			E 6	ESE 6	ESE	SE	18.5
29	52.62	52.53			ESE 4	ESE 5	SE	SE	1.3
30	53.38	52.42			SEbyS 5	SSE 5	SSE	SSE	
31									
Mean	55.88	55.12			2.4	3.4			
Total									245.9

OCTOBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	55.23	54.83			SSE 1	SSE 3	SSE	SSE	
2	58.65	58.67			SSE 3	SSE 3	SSE	SSE	
3	59.75	58.89			SSE 2	SW 3	SbyW	SW	
4	58.10	57.32			WSW 3	W 3	SbyW	W	7.6
5	58.32	58.22			N 4	NNE 3	N	NNE	5.3
6	59.57	59.23			NE 4	NE 4	NEbyN	NE	
7	59.71	59.40			NE 3	ENE 2	NE	NE	4.8
8	60.90	60.42			Calm	ESE 2	ESE	E	2
9	62.17	61.52			NE 3	NE 4	ENE	NE	6.2
10	61.62	61.12			ENE 3	NE 4	NE	NE	22
11	61.02	59.70			ENE 4	E 3	ENE	ESE	
12	60.03	59.29			E 2	ESE 2	E	NNE	6.4
13	60.32	59.44			NE 3	NNE 4	NE	NNE	2.3
14	60.01	59.53			NNE 4	NNE 4	NNE	NE	4.6
15	60.32	59.36			N 4	N 4	N	N	10.2
16	61.04	60.15			NNE 5	NNE 5	NEbyN	NEbyN	1.2
17	62.77	62.35			NNE 5	NNE 5	NNE	NNE	3.8
18	63.87	63.72			NE 5	NE 4	NE	NE	2
19	63.70	62.61			NE 4	NE 4	NEbyE	NEbyE	.8
20	62.45	61.57			NE 4	NE 4	NE	NE	7.9
21	62.76	61.61			NE 4	NE 4	NE	NE	
22	62.86	62			NE 3	NE 3	NE	NE	
23	62.87	61.81			NE 1	NE 4	NEbyN	NE	
24	62.78	61.66			NE 1	NE 3	NE	ENE	
25	62.17	60.90			E 3	ESE 3	E	ESE	
26	61.43	60.62			ESE 2	ESE 3	ESE	ESE	
27	61.84	61.34			Calm	N 1	ESE		10.2
28	62.70	62.03			ESE 1	NNW 1	ESE	N	25.4
29	63.48	62.34			NE 5	NNE 4	NNE	NEbyN	2.5
30	63.37	62.33			NE 4	NE 2	NE	NE	
31	62.17	60.86			E 2	E 3	E	E	
Mean	61.23	60.48			3	3.3			
Total									125.2

NOVEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	61.95	60.75	23.7	25.8	NE 1	NE 3	NE	NE	5.6
2	62.72	62.09	23.9	26.1	NNE 4	NE 5	NNE	NNE	.8
3	63.60	62.56	23.5	25.9	NNE 5	NNE 5	NNE	NNE	
4	62.68	61.20	23.6	25.6	NNE 4	NNE 4	NNE	NNE	
5	60.37	58.76	23.6	26	NE 4	NE 4	NE	NE	
6	59.58	58.83	24.5	25.4	NNE 5	NNE 6	NNE	NNE	
7	60.04	59.90	23.2	24.9	NNE 6	N 6	NNE	N	
8	61.69	61.77	22.8	24.3	NNE 5	NNE 5	NNE	NNE	
9	63.72	63.12	22.5	25	NE 2	NE 3	NE	NE	
10	64.43	63.92	22	22.6	NE 2	NE 3	NE	NE	3.8
11	64.38	62.90	22	24.8	NE 3	NE 3	NE	NE	
12	63.80	62.91	22.5	24.9	ESE 2	ESE 3	ESE	ESE	5.6
13	64.41	63.12	21.8	25.9	Calm	ESE 3		ESE	2.2
14	63.05	62.24	24.8	28	ESE 3	ESE 3	ESE	ESE	4.6
15	63.14	61.99	23.4	27.7	ESE 3	ESE 3	ESE	ESE	7.6
16	62.82	61.82	24.4	25	E 3	E 3	E	E	3.6
17	63.04	62.40	24.5	25.5	E 3	E 3	E	E	2
18	63.39	62.40	24.5	25.7	ENE 3	NE 3	ENE	NEbyE	42.9
19	63	61.83	23.4	26.7	ENE 1	ENE 3	ENE	ENE	11.5
20	62.21	60.63	24.3	27.8	ENE 3	ENE 3	ENE	ENE	3.8
21	60.56	59.39	24.6	27.4	ESE 3	SE 3	ESE	SE	4.1
22	59.46	57.80	23.5	28.1	SE 1	SSE 3	SSE	SSE	1
23	58.78	58.03	23.6	26.7	N 1	N 2	N	N	
24	59.77	59.92	23.1	26.2	N 2	N 4	NNE	NNE	3
25	62.13	61.04	22.3	24.7	N 2	NE 3	NNE	NE	3.6
26	63.03	61.74	22.7	25.6	NE 2	NE 3	NE	NE	38.9
27	62.65	60.24	22.6	25.9	ENE 1	E 2	ENE	E	
28	61.32	60.97	22.9	27.2	NNE 1	NNE 2	NNE	NNE	8.5
29	62.85	61.57	22.8	23.2	NNE 3	NNE 3	NNE	NNE	8.1
30	62.70	61.57	23.6	24	NNE 4	NNE 2	NNE	NNE	7.7
31									
Mean	62.24	61.25	23.4	25.8	2.7	3.4			
Total									168.9

DECEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	62.37	61.22	23.6	27.6	E 1	E 2	EbyS	EbyS	
2	61.89	60.86	22	26.9	Calm	NE 1		NE	
3	61.94	60.56	23.4	27	E 1	E 3	ESE	ESE	
4	60.97	60.02	23.6	27.5	ESE 3	ESE 2	ESE	ESE	
5	61.72	60.37	23	27.5	E 1	E 3	E	E	
6	61.57	60.11	22.5	26.8	NE 1	NE 3	NE	NE	
7	61.44	59.93	24	26	ENE 3	NE 4	ENE	NE	3.3
8	59.89	58.38	23.5	24.4	NNE 5	NNE 5	NNE	NNE	73.4
9	57.59	56.64	24	26.4	E 4	E 4	E	E	62.8
10	57.78	56.92	23.5	23.1	NNE 5	NNE 5	NNE	NNE	24.1
11	59.35	58.89	21.8	23	NEbyN 6	NE 6	NE	NE	12.7
12	62.34	62.31	19.6	22.6	NE 6	NE 5	NE	NE	7.8
13	62.36	60.41	23.6	26.2	E 2	ESE 2	E	SE	8.4
14	63.23	62.25	22.3	22.7	N 4	NNE 6	N	NNE	33
15	64.70	63.27	22.3	22.5	NE 2	NE 4	NE	NE	13.4
16	63.88	62.84	22.6	25.9	Calm	NE 3	NEbyE	NE	80.8
17	63.98	62.72	22.4	23.6	NNE 4	NNE 3	NNE	NNE	70.9
18	63.97	63.19	23.6	26.5	SE 3	SE 3	SSE	SSE	
19	63.42	62.29	23.8	27	SE 3	SE 3	SSE	SSE	.8
20	63.95	63.87	22	25.4	Calm	NE 3	ENE	NE	3.5
21	64.91	64.05	23	27	ENE 4	E 3	ENE	ESE	.2
22	64.10	63.35	23.5	27.1	ESE 2	E 2	ESE	ESE	.5
23	64.95	64.62	22.8	25.7	NE 1	NE 3	NE	NEbyE	3.7
24	65.47	64.20	23.4	26.1	E 3	E 3	E	E	7.3
25	63.82	62.13	23.6	28	ESE 2	SE 3	ESE	SE	
26	63.33	62.31	23.5	27.9	SE 2	SSE 3	SEbyS	SSE	
27	63.82	63.10	23	27	ENE 1	ENE 2	ENE	ENE	
28	63.38	61.85	23.4	27.5	ESE 2	ESE 2	ESE	ESE	7.4
29	62.77	61.57	22.2	23.4	N 4	N 5	N	N	13.5
30	62.86	61.68	22	23	NE 4	NE 1	NE	NE	16.8
31	62.06	59.92	23	25.5	NE 2	ESE 2	ENE	ESE	4.8
Mean	62.57	61.48	22.9	25.7	2.6	3.2			
Total									449.1

ANNUAL SUMMARIES FOR FIRST AND SECOND CLASS STATIONS, 1911.

CEBU.

Month.	Pressure (mean).	Temperature. Mean.	Maximum.	Date.	Minimum.	Date.	Relative humidity (mean).	Rainfall. Total.	Maximum in 24 hours.	Date.	Cloudiness (mean).	Wind. Number of winds from six daily observations. N, NNE.	NE, ENE.	E, ESE.	SE, SSE.	S, SSW.	SW, WSW.	W, WNW.	NW, NNW.	Calm.	Total monthly velocity.	Average daily velocity.[a]	Average hourly velocity.[a]
	mm.	°C.	°C.		°C.		*P.ct.*	*mm.*	*mm.*		*0-10*										*Km.*	*Km.*	*Km.*
January	758.57	26.2	30.8	9	21.5	15	76.8	68.1	28.2	6	3.9	24	69	29	2	0	0	1	0	61		204.1	8.5
February	59.08	25.8	31	5	20.5	3	78	106.2	25.7	6	5.3	24	43	22	4	4	2	1	2	66	5,567.9	198.9	8.3
March	59.54	26.4	31.5	2,29,30	19.1	9	73.4	19	7.6	19	3.8	25	54	37	8	1	0	0	3	58		225.6	9.4
April	58.16	27.4	33	26	21.8	23	74.8	41.9	14.5	21	4.6	9	41	15	3	14	10	3	4	81		196.2	8.2
May	58.12	27.5	33.8	28	21.8	7	77.1	110.1	16.8	11	5.2	9	24	31	10	12	4	2	4	90		152.9	6.4
June	58.39	27.3	33.6	10	22.5	23	77.7	134.5	38.9	12	5.9	5	10	9	5	24	28	11	2	86	4,684.9	156.2	6.5
July	57.30	27.2	32.6	3	22.8	21	76.7	123.9	35.9	28	6.6	2	0	3	5	24	79	26	2	45		215.4	9
August	[b]57.04	[b]27.4	[b]33.8	9	[e]22.1	17	[b]74.7	[b]55.9	21.1	17	[b]6	42	0	0	0	15	75	28	0	42		233.1	9.7
September	57.67	27	32.6	26	22	7	79.4	139.8	56.4	21	5.2	1	5	3	7	44	30	8	3	79		179.9	7.5
October	59.52	26.9	33.1	1	21.4	24	78.4	110.2	55.9	7	3.4	16	31	16	10	5	1	4	7	96		185.8	7.7
November	59.27	26.6	------	------	21.3	6	75.9	54.6	15.7	10	2.9	29	69	9	2	4	2	2	5	58	6,991.9	233.1	9.7
December	59.56	26.4	32.6	9	20.7	7	77.1	66.8	37.1	9	4	38	82	6	3	5	0	1	4	47		258.4	10.8
Year	758.52	26.8	33.8	------	19.1	-----	76.7	1,031	56.4	-----	4.7	184	428	180	59	152	231	87	36	809		203.3	8.5

ILOILO.

January	758.79	26.3	33	27	21.3	12	77.8	8	6.1	7	4.6	74	77	31	0	0	1	0	0	3	9,274.2	299.2	12.5
February	59.35	25.5	[b]33.2	27	20.2	13	78.7	77	19	12, 19	6.5	[e]56	93	10	0	0	3	0	0	5		347.3	14.5
March	59.62	26.5	34	16	19.5	7	72.3	27.5	16.8	17	3.1	96	59	23	0	0	2	0	0	6	10,193.7	328.8	13.7
April	58.28	27.2	34.9	9	22.7	29	76.9	106.3	28.2	10	5.2	72	20	18	1	0	37	1	5	26	8,104.3	270.1	11.2
May	58.19	27.2	34.1	21, 22	22.2	2	79	106.6	23.6	2	5.9	33	34	10	8	5	25	6	13	52	4,579.9	147.7	6.2
June	58.48	26.7	34.5	10	22.1	18, 19	81.9	253.9	47.7	19	7	14	11	4	4	1	87	10	2	47	6,537.7	217.9	9.1
July	57.43	26.6	32.6	4	21	24	83.2	758.5	133.6	23	8.8	8	7	2	0	0	139	12	2	16	11,932.1	384.9	16
August	57.33	26.6	30.1	7	22	10, 14	82.8	235.3	42.5	14	7.9	2	0	1	0	1	163	9	0	10		490	20.4
September	57.75	26.4	32.5	9	21	7	83.9	283.3	56.6	28	7.2	17	4	1	0	2	108	4	8	36		259.9	10.6
October	59.73	26.7	32.7	2, 16	21.9	24	79.7	92.5	39.9	19	5.6	12	114	9	0	0	10	2	1	38	5,665.8	182.8	7.6
November	59.39	26.3	32.2	2	20.3	6	78.4	72	25.1	13	5.6	17	143	2	1	0	8	0	0	9	7,962.4	265.4	11.1
December	59.58	26.1	32.2	11	21.3	9	76.6	48.9	24.9	11	5.4	18	145	2	1	0	8	0	0	12	9,573.6	308.8	12.9
Year	758.66	26.5	34.9	------	19.5	-----	79.3	2,069.8	133.6	-----	6.1	419	707	113	15	9	591	44	31	260		291.9	12.2

ORMOC.

January	758.79	25.1	31.8	27	17.7	3	85.1	85.6	33.8	7	5.6	71	27	7	8	15	19	15	23	1	4,213.7	135.9	5.7
February	59.25	24.9	32.5	5	17.4	2	86.2	106.3	28.9	6	7.5	89	15	5	4	12	8	5	28	2		153.5	6.4
March	59.75	25.1	33	19	16.2	6	81	76.5	34.8	20	5.5	74	22	5	11	26	22	6	17	3		150.8	6.3
April	58.39	25.9	32.4	12	20.7	17	85.3	81.3	20.9	2	6.1	73	22	7	12	29	12	7	15	3		141.4	5.9
May	58.34	25.8	32.2	24	21	3	85.9	90.4	42.2	1	5.5	99	7	3	13	37	15	1	11	0		140.2	5.8
June	58.60	25.9	32.1	15	21.4	11	86.7	186.9	32.5	10	7.2	85	14	7	13	29	19	2	11	0		135.5	5.7
July	57.45	26.5	31.8	9	21.9	6,7,14	83.9	321.2	64.3	11	8.2	48	11	9	19	58	21	6	12	2		263.5	11
August	57.24	26.9	32.6	7	21.8	19	82.4	65.2	15.1	18	7.8	34	9	15	17	71	16	9	13	2	8,030.4	259	10.8
September	57.85	26.5	32.3	2	21.4	9	85.1	114.8	35.3	22	7.5	51	21	8	22	56	10	5	4	3	6,323.2	210.8	8.8
October	59.81	25.6	32.1	{6, 7 / 26, 28}	19.4	24, 26	85.1	142.6	30.8	18	5.9	74	16	2	10	24	16	16	24	4		125.2	5.2
November	59.54	25.5	32.1	16	17.9	12	83.1	94	14.5	25	6.5	82	21	8	6	15	12	11	23	2	4,108	136.9	5.7
December	59.81	26	32	16	19.5	19	76.6	42.1	25.1	14	5.9	50	73	14	7	12	7	6	15	2	5,149	166.1	6.9
Year	758.74	25.8	33	------	16.2	-----	83.9	1,406.9	64.3	-----	6.6	830	258	90	142	384	177	89	196	24		168.2	7

CAPIZ.

January	759.44	26	32	31	21.2	3	84.7	48.4	9.4	10	6	89	55	10	5	10	3	0	3	11		222.5	9.3
February	60.08	25.8	31.5	1	20.7	2	82.5	136.3	51.7	6	7.6	87	33	5	4	3	1	4	25	6	10,357.8	369.9	15.4
March	60.20	26.4	33.3	12	19.5	7	80.8	5.5	2.3	11	5.1	51	73	20	14	13	3	3	9	0		221.6	9.2
April	58.59	27.2	34.9	25	22.4[d]	26	83.7	153.6	35.8	24	6.3	46	55	6	10	31	10	4	8	10		142	5.9
May	58.29	27.3	35.4	27	21.9	4	85	319	52.9	14	6.6	15	39	17	28	30	29	9	12	7	3,329.8	107.4	4.5
June	58.43	27.2	35.3	15	22.7	29	84.5	216.4	47.3	7	7.3	8	23	6	37	46	19	9	12	20	3,402.8	113.4	4.7
July	57.10	26.6	35.7	17	22.6	1	84.3	222.2	52.4	8	8.4	8	8	3	33	63	36	13	13	9	4,550.5	146.8	6.1
August[f]	56.91	26.8	35.3	9	21.8	19	82	113	41.6	27	7.6	6	2	1	14	73	34	20	11	7			
September	57.55	26.6	34.7	5,26,27	22.3	14	85.5	214.3	39.4	29	7.3	10	6	2	23	63	21	8	28	19			
October	60	26.8	34.4	1	21.7	2	84.8	154.2	42.7	14	6.3	27	66	1	6	13	20	5	6	42	3,696.6	119.2	5
November	60.04	26.4	32.5	20	21.7	12	84.1	73.5	15.5	16	6.7	49	97	4	1	2	2	4	7	14		190.7	7.4
December	60.31	26.2	32.4	27	21.6	8	83.7	37.2	10.6	14	6.2	38	121	2	4	3	2	1	2	13		189.8	7.9
Year	758.91	26.6	35.7	------	19.5	-----	83.8	1,693.6	52.9	-----	6.8	434	578	77	179	350	180	80	136	158		182.3	7.5

[a] Owing to some unavoidable defects in the recording instrument, the velocity of the wind had to be omitted occasionally for a few days in several months and in several of the stations included in these summaries.
[b] 27 days of observation.
[c] 26 days of observation.
[d] No observation was made of wind direction on August 26, 27, 28, and 29.
[e] No observation was made of wind direction on February 2, 2 p. m.
[f] 28 days of observation.

CALBAYOG.

Month.	Pressure (mean).	Temperature. Mean.	Maximum.	Date.	Minimum.	Date.	Relative humidity (mean).	Rainfall. Total.	Maximum in 24 hrs.	Date.	Cloudiness (mean).	Wind. Number of winds from six daily observations. N, NNE.	NE, ENE.	E, ESE.	SE, SSE.	S, SSW.	SW, WSW.	W, WNW.	NW, NNW.	Calm.	Total monthly velocity.	Average daily velocity.	Average hourly velocity.
	mm.	°C.	°C.		°C.		*P.ct*	*mm.*	*mm.*		*0-10*											*Km.*	*Km.*	*Km.*
January	759.12	25.1	31.9	22	18.8	3	87.3	176.6	40.6	13	5	54	100	6	4	8	9	4	1	0			
February	59.52	24.7	32.4	17	19	9	87.5	357.3	80.3	20	7	63	79	4	1	6	1	4	10	0			
March	60.09	25.1	34.1	21	17.7	6	84.1	104.7	28.4	25	4.5	43	107	8	3	9	7	5	3	1			
April	58.49	26.3	33.5	30	20.3	22	85.6	218.9	79.3	22	5.2	29	90	12	9	20	13	4	3	0			
May	58.46	26.5	33.1	28	22.2	18	85.4	121.6	19.6	23	4.5	57	24	13	10	27	11	3	1	40			
June	58.40	26.8	33	10, 24	22.2	4	85.1	232.6	84.4	30	6.1	31	6	5	9	15	43	8	9	54			
July	56.95	27	33.2	9	22.3	5	83.9	263.1	91.5	12	7.7	6	0	1	6	30	69	31	3	40	11,327.4	365.4	15.2
August	56.70	27.8	34	5	21.9	18	80.6	148.7	68.8	18	7.5	1	0	0	1	27	100	30	3	24		381.9	15.9
September	57.45	27.1	34	1	21.9	7	83.8	123	30.9	10	6.6	31	0	1	2	45	32	14	4	51		236.3	9.8
October	59.90	26	33.2	5, 17	20	24	86	152.8	37.3	8	5.3	42	13	4	2	11	7	6	12	89		132.1	5.5
November	59.74	25.6	32.9	22	18.7	12	84.9	82.3	16.3	23	5.8	39	45	0	0	3	2	11	6	74	4,873.2	162.4	6.8
December	60.12	25.7	32.9	16	20.9	19	82.9	53.8	15	3	4.6	47	61	7	1	9	2	5	0	54	5,538.1	178.6	7.4
Year	758.74	26.1	34.1		17.7		84.8	2,035.4	91.5		5.8	443	525	61	48	210	296	125	55	427			

LEGASPI.

January	759.48	25.8	31.5	15	18.5	12	86.5	168.8	35.6	8	4.3	4	109	28	1	0	0	0	0	44		222.1	9.3
February	60.03	25.4	31.9	3	19.4	24	88.4	378.4	65	18	6.5	14	111	19	1	0	0	0	0	23	8,418.3	300.7	12.5
March	60.37	26.3	33.5	23	18.1	6	85.5	136.5	46.2	11	3.9	63	77	11	1	0	0	0	0	34		235.8	9.8
April	58.59	27.2	35.5	29	20	22	82.4	387	104.1	9	4.7	42	62	1	0	10	8	0	0	57	5,934.6	197.8	8.2
May	58.42	27.8	35.9	30	21	8, 19	81.2	116.5	49	14	3.6	16	72	1	1	2	0	0	0	94		126.6	5.3
June	58.20	27.8	36.2	21, 23	22.5	23	81.1	154.5	70.8	30	4.7	8	37	4	1	7	51	6	1	65		176.9	7.4
July	56.31	27	35.7	7	22	10	83.4	311.1	129.8	13	7.3	1	13	2	1	7	105	22	0	35		318.2	13.3
August	56.10	27.2	33.2	6	21.1	18	85.5	145.6	45.8	21	6.6	0	0	0	0	18	156	5	0	7		344.7	14.4
September	57.10	27.3	34.9	13	21.1	25	83.3	193.2	85.1	11	5.9	8	23	2	0	17	66	8	2	54		213.7	8.9
October	60.09	27.7	35.2	11	19.4	23	78.4	94.4	36.3	18	3.2	54	73	12	1	0	2	0	0	44		235.2	9.8
November	60.16	26.6	33.8	23	20	28	80	184.4	30.7	21	5.6	59	101	1	0	0	2	9	1	7		336.7	14
December	60.51	26.7	33.1	10	20.3	9	79.4	71.7	30.9	19	3.7	45	110	8	0	2	8	3	0	10		323.2	13.5
Year	758.78	26.9	36.2		18.1		82.9	2,342.1	129.8		5	314	788	89	7	63	398	53	4	474		252.6	10.5

ATIMONAN.

January	759.92	25.4	29.4	29	19.3	3	84.7	144.6	62.4	24	7	71	69	2	0	0	8	2	28	6		478.8	20
February	60.97	25.2	31.2	1	20.3	3	80.4	231.4	30.8	18	7.8	81	68	4	0	0	6	0	8	1		751.4	31.3
March	60.72	26.1	31	25	18.4	8	78.3	122.2	48	11	5.8	45	95	6	0	0	15	0	19	6	13,355.7	430.8	18
April	58.76	27	33.3	26	21.9	15	80.6	283.5	85.6	22	6.1	32	63	2	2	9	39	0	15	18	12,134	404.5	16.9
May	58.47	27.3	35.4	30	21.4	8	82.8	189.6	50.6	31	6	33	23	4	0	0	78	1	19	28	8,615.8	277.9	16.6
June	58.04	28	34.7	23	22.1	15	79	83.3	34.8	7	7.3	14	31	4	4	11	87	5	8	16		267	11.1
July	55.93	26.9	33.8	26	22.1	13	81	309.2	90.7	1	8.5	7	8	2	3	26	106	10	8	16		315.5	13.1
August	55.74	27.6	34.3	31	20.9	21	76.3	36.1	21.3	18	7.6	4	1	3	0	15	122	22	1	18		306.9	12.8
September	56.77	27.7	35	26	22.1	3	78.6	87.6	13.5	19	7.6	15	26	2	0	16	86	5	16	14		320.6	13.4
October	60.38	27.1	34.1	1	21.7	28	80.1	169.9	22.4	18	6.7	41	84	12	2	3	20	2	14	8		447.1	18.6
November	60.67	26.6	29.9	1, 7	20	6	76.9	52.3	14.2	20	6	32	130	7	0	0	6	0	2	3		585.1	24.4
December	60.84	26.4	32.2	10	21.3	17	79.2	57.6	15.5	16	5.8	12	138	7	0	6	13	2	1	7		508.4	21.2
Year	758.93	26.8	35.4		18.4		79.8	1,767.3	90.7		6.8	387	736	55	11	86	586	49	139	141		424.5	18.1

PARACALE.

January	760.02	25.3	31.1	28	20.1	2	87.2	380.3	106.9	24	7	23	79	19	2	0	2	0	0	61	7,797.4	251.5	10.5
February	61	25.2	31.5	1	20.5	3	85.8	501.3	88.3	11	8.2	76	65	3	1	0	0	0	0	23		424.4	17.7
March	60.89	25.5	31.7	19, 24	18.5	9	86.4	551.5	233.5	11	5.7	17	90	26	1	0	0	0	0	52		249	10.4
April	58.85	27	34.8	26	22.3	10	85.1	149.7	43.5	22	6.5	32	51	14	1	3	9	1	1	68	6,968.9	232.3	9.7
May	58.59	27.5	35.2	30	22.9	8	84	261.9	108.6	2	5.3	24	30	13	0	1	4	0	1	113	4,420.2	142.6	5.9
June	58.09	28	35.7	28	22.9	22	82.5	215.6	98.8	30	6.4	4	17	16	0	7	51	2	1	82	5,240.8	174.7	7.3
July	55.84	27.2	34.7	9	22.4	14	83.7	572.1	308.9	1	7.8	0	11	2	0	13	77	9	2	72	6,750.6	217.8	9.1
August	55.57	28	35	6, 17	22	24	79	92.2	71.5	24	7.6	0	0	0	0	14	131	7	2	32	7,854.9	253.4	10.6
September	56.79	27.5	36	3	23.2	23	83.1	225.1	62	11	7.4	8	23	4	0	20	54	4	3	64	6,574	219.1	9.1
October	60.54	26.9	33.6	1	21.5	26	83.7	338.3	82.3	15	5.9	22	77	19	1	0	7	0	0	60	7,153.1	230.7	9.6
November	60.92	26.5	30.8	1, 22	21.1	28	79.9	112.2	16.4	9	7.1	20	107	22	2	0	0	4	15	10	10,868	362.3	15.1
December	61.05	26.1	32.7	24, 25 10	21	14	82.2	119.8	20.3	3	6.4	7	105	32	1	0	10	0	2	29	10,193.6	328.8	13.7
Year	759.01	26.7	36		18.5		83.6	3,520	308.9		6.8	233	655	170	9	58	345	27	27	666		257.2	10.7

DAGUPAN.

Month.	Pressure (mean).	Temperature. Mean.	Maximum.	Date.	Minimum.	Date.	Relative humidity (mean).	Rainfall. Total.	Maximum 24 hours.	Date.	Cloudiness (mean).	Wind. Number of winds from six daily observations. N, NNE.	NE, ENE.	E, ESE.	SE, SSE.	S, SSW.	SW, WSW.	W, WNW.	NW, NNW.	Calm.	Total monthly velocity.	Average daily velocity.	Average hourly velocity.
	mm.	*°C.*	*°C.*		*°C.*		*P. ct.*	*mm.*	*mm.*		*0–10*										*Km.*	*Km.*	*Km.*
January	759.46	25.9	34.6	26	18.8	4	82.3	1.5	1	14	4.3	11	6	4	37	26	2	0	77	23	8,163	263.3	11
February	60.56	25.6	35.5	1	18.8	21	80.4	7.7	5.1	1	5.1	12	1	3	23	38	2	3	63	23	8,193	292.6	12.2
March	60.04	26.6	36.6	13, 30, 31	19	9	78.7	20.9	12.5	24	3.5	12	1	7	52	22	8	1	58	25	9,184.6	296.3	12.3
April	58.24	27.7	37.6	13	20.9	3	80.3	186.6	65.3	24	5	3	1	7	59	11	4	3	70	22	8,030.2	267.7	11.2
May	58.05	28.3	37	4	22.6	7, 8	81.7	249.1	98.8	6	6	5	4	3	69	16	4	7	40	38	7,155.9	230.8	9.6
June	57.72	28	37.6	6	22.8	22	82.2	286	44.9	13	7.2	7	4	7	67	14	8	15	28	30	6,969.2	232.3	9.7
July	55.43	26.3	35.9	8	20.4	14	89.9	1,300.4	204.4	17	8.7	6	4	16	62	8	16	15	32	27	8,768.4	282.9	11.8
August	55.64	26.7	34.6	23	22.6	19, 31	87.2	583.2	131.2	13	8.7	6	2	16	47	13	18	38	16	30	7,574.4	244.3	10.2
September	56.35	27.1	35.2	9	21.9	30	85.5	549.5	179.2	27	7.3	8	6	6	65	12	9	18	32	24	8,213	273.8	11.4
October	60.04	27.4	35.2	11	21.4	22	83.7	137.5	39.6	25	4.5	18	6	16	52	22	7	6	33	26	6,276.9	202.5	8.4
November	60.31	26.1	34.8	16	18.9	12	81.4	0	0	0	2.6	17	3	7	66	17	2	1	34	33	6,478.7	216	9
December	60.45	25.4	34.7	13	18.1	23	83.7	30.3	17.3	8	3.1	14	1	2	64	7	10	12	44	32	7,149.9	230.6	9.6
Year	758.52	26.8	37.6		18.1		83.1	3,352.7	204.4		5.5	119	39	94	663	266	90	119	527	333	92,157.2	252.8	10.5

BAGUIO.[a]

January	636.74	16.9	24.4	26	11.6	20	83.1	2.3	2.3	26	5.7	[b]6	6	78	14	3	35	29	1	13	9,989.5	322.2	13.4
February	37.47	16.5	25.4	1	11	20	83	37.7	19.4	4	7.1	8	7	79	16	2	18	30	0	8	9,307.3	332.4	13.8
March	37.37	17.3	25.7	16	11.1	10	81.1	81.5	34.5	28	5.4	5	12	82	16	2	11	48	2	8	11,200.1	361.3	15
April	36.33	18.2	26.2	13	12.8	2	86.3	246.4	88.4	27	6.9	2	12	62	19	4	16	51	8	6	9,943.5	331.4	13.8
May	36.44	18.5	25.2	25	15.2	3	90	380.4	58.4	9	7.5	6	13	48	35	2	46	13	7	16	8,874	286.3	11.9
June	36.15	18.8	26.2	10	15.4	22	90.4	245.4	36.9	29	8.2	3	8	47	26	1	27	46	9	13	9,902.2	330.1	13.8
July	33.54	[c]17.7	24.1	8	[c]13.6	14	[c]94.7	3,381.7	879.8	14	9.4	9	5	16	21	10	45	59	16	5		577.6	24.1
August	33.71	17.1	23.5	23	13.5	2	96.7	2,521.7	337	25	9.7	0	3	8	11	4	68	76	9	7	21,100.7	680.7	28.4
September	34.48	17.9	24.8	9	14	17	92	1,703.2	799.8	27	8.7	4	9	25	18	2	49	54	8	11	16,422.7	547.4	22.8
October	37.72	17.9	24.4	10	13.9	20	89.9	144.6	46.5	1	7.2	6	16	46	27	4	34	35	3	15	8,407.2	271.2	11.3
November	37.55	17.3	25	19	10.9	11	80.2	16.8	16.8	1	4.8	5	8	66	32	5	29	20	5	10	9,892.7	329.8	13.7
December	37.59	17.5	24.8	4, 22	12.4	29	77.1	276.6	184	9	4.7	4	2	82	37	3	30	20	3	5	11,983.3	386.6	16.1
Year	636.26	17.6	26.2		10.9		87	9,038.3	879.8		7.1	58	101	639	272	42	408	481	71	117		396.4	16.5

VIGAN.

January	759.64	25.1	32.4	7	18.8	21	72.3	0	0	0	1.8	65	18	39	1	4	3	10	27	19		261	10.9
February	60.76	25.8	33.9	10	18	23	72.1	1.7	1.3	27	3.7	62	41	15	3	2	1	2	35	7		364.7	15.2
March	60.05	26.4	33.6	26, 30	16	2	69.6	3.5	2	25	2	40	15	27	12	11	10	19	30	22		217	9.1
April	58.27	27.7	38	23	21.5	24	72.3	105.3	78.5	27	2.7	27	9	31	19	23	9	16	22	24	6,582.1	219.4	9.2
May	57.98	28.3	34.8	31	22	8	73	51.2	21.8	6	3	13	10	57	20	16	21	22	15	12		199.5	8.3
June	57.45	28.2	34.5	9	22.5	28	79.9	333.1	60	16	4.6	2	8	34	39	54	11	11	13	8		227.5	9.5
July	54.61	26.7	33.2	7	21.3	26	85.2	1,641.5	287.4	15	6.6	11	4	35	35	57	11	10	12	11		292.3	12.2
August	54.98	26.2	31.5	22	20.9	11	87.5	1,782.8	329.2	13	8	2	4	9	57	78	19	8	6	3			
September	55.50	26.9	32.8	11	21.4	15	83.8	690.1	160	17	6.5	23	4	37	34	33	7	9	26	7		265.5	11.1
October	59.99	[c]26.9	[c]34.7	18	[d]20.5	27	[c]76.3	54.1	53.6	1	3.2	[e]21	18	17	10	7	4	10	33	54			
November	60.45	25.8	35.2	18	18.2	10	79.8	0	0	0	2	32	27	24	7	2	7	12	31	38			
December	60.40	25.4	31.9	3	20.1	26	87.5	33.5	25.8	8	3.6	33	13	25	8	1	16	12	31	47			
Year	758.34	26.6	38		16		78.3	4,696.8	329.2		4	331	171	350	245	288	119	141	281	252		255.9	10.7

APARRI.

January	761.36	23.1	31.8	31	18.6	21	84.1	303.8	67.4	11	6.6	18	42	102	16	4	0	2	2	0	7,824.4	252.4	10.5
February	63.25	23	31.1	1	16.6	22	78.7	191.6	72.4	3	7.5	17	75	60	10	6	0	0	0	0		448.4	18.7
March	61.47	24.5	32.3	13	18.8	4	78.3	14.4	4.3	2	4.9	18	47	101	11	9	0	0	0	0	10,690.9	344.9	14.4
April	59.35	25.5			18.8	8	81.6	134.6	26.6	26	4.6	18	53	81	13	4	6	5	0	0	9,434.5	314.5	13.1
May	58.36	27	34.6	26	21.2	3	81.2	137.4	42.9	26	3.6	9	29	44	35	32	24	9	4	0	9,596.7	309.6	12.9
June	57.39	28.5	35.8	12	22.9	19	77.2	84.1	22.4	14	3.2	20	22	17	26	57	18	11	9	0	9,073.3	302.4	12.6
July	54.32	27	34.7	11	22	5, 16	83.8	506.6	103.7	31	6.7	13	30	12	19	49	33	11	19	0		352.8	14.7
August	53.75	26.7	33.3	17	22.2	1	84.4	500.9	141.3	25	7.5	10	21	11	17	52	34	19	22	0		297	12.4
September	55.12	26.8	34.5	3	22	28	83.9	461	261.1	16	5.8	20	34	32	34	34	14	6	5	1		344.1	14.3
October	60.99	25.6	33.9	10	20.6	22, 25	82.9	280	136.3	16	4.5	[f]6	101	35	11	13	5	5	8	0		277.9	11.6
November	61.81	24.7	33.4	1	18.1	10	78.9	36.6	20.4	24	3.9	24	54	59	12	23	5	1	2	0	8,677.3	289.2	12
December	61.42	24	30.5	18	18.7	28	85.4	353.6	180.6	8	4.1	6	46	94	20	13	4	3	0	0	9,092.5	293.3	12.2
Year	759.05	25.5	35.8		16.6		81.7	3,004.6	261.1		5.2	179	554	648	224	296	143	72	71	1		318.9	13.3

[a] The barometric readings of this station are not reduced to sea level.
[b] No observation was made of wind direction on January 4, 10 p. m.
[c] 29 days of observation.
[d] 30 days of observation.
[e] No observation was made of wind direction on October 3, 10 p. m.; 4th–8th, 2 a. m. and 10 p. m.; 9th, 2 a. m.
[f] No observation was made of wind direction on October 8 and 9 at 10 a. m.

SURIGAO.[a]

Month.	Pressure (mean).	Temperature. Mean.	Maximum.	Date.	Minimum.	Date.	Relative humidity (mean).	Rainfall. Total.	Maximum in 24 hours.	Date.	Cloudiness (mean).	Wind. Number of winds from six daily observations. N, NNE.	NE, ENE.	E, ESE.	SE, SSE.	S, SSW.	SW, WSW.	W, WNW.	NW, NNW.	Calm.	Velocity, monthly mean.
	mm.	°*C.*	°*C.*		°*C.*		*P. ct.*	*mm.*	*mm.*		*0–10*										*0–12.*
January	758.63	25.9	30.6	29	20.7	11	88.1	249.1	42.7	7	6.5	16	55	18	32	4	4	0	24	33	1.3
February	58.94	25.5	30.6	3, 27	20.7	2, 14	86.8	370.2	117.1	6	7.2	12	32	5	17	11	22	21	26	22	1.5
March	59.65	25.7	31.4	17	19.1	6	85.3	430.3	183.8	30	5.3	11	48	15	9	7	7	11	23	55	1.1
April	58.32	26.6	33.5	28	21.5	23	86.6	128.4	27.5	14	5.9	3	43	6	6	8	7	10	21	76	.7
May	58.29	27.1	33	9	22.3	23	85.8	104.5	50.3	13	5.2	2	45	11	18	16	0	6	13	75	.8
June	58.43	27	32.8	22	22.2	5	84.6	159.3	40.1	18	6.6	2	19	5	13	32	25	26	12	46	1.1
July	57.26	27.6	33.7	24, 26	22.9	2, 3, 29	79.3	217	69.1	27	7.7	0	7	5	1	46	78	27	5	17	2
August	57.04	27.9	33.9	31	22.1	18	76.4	142.2	42.4	18	7	0	1	0	0	48	108	18	0	11	1.9
September																					
October																					
November																					
December																					
Year																					

TACLOBAN.

January	759.81	26.3	33.3	24	22	3	83.9	84.3	31.1	7	5.9	43	13	14	19	15	0	25	45	12	0.7
February	60.09	25.6	32.8	2, 4	21.3	8	83.9	320.1	82.1	6	7.5	23	13	9	7	8	1	29	74	4	1.2
March	60.39	26.1	33.5	20	19.8	6	81.2	138.8	26	11, 28	5.6	27	14	12	29	3	1	28	63	9	.9
April	58.79	26.8	34.4	29	20.2	23	85	186.4	51.6	5	6.6	9	8	16	33	18	0	30	27	39	.6
May	58.79	27.4	35.8	30	22.8	15	84.3	108.1	26.7	16	5.7	6	4	18	35	22	1	33	28	39	.6
June	58.99	27.2	34.3	10	23	27, 30	84.4	183.5	32.5	13	6.7	12	6	14	21	17	0	30	37	43	.6
July	57.25	27.1	34	7, 26	22.3	13	80.4	230.6	68.8	12	8	8	0	5	11	10	31	31	60	30	1
August	56.80	27.8	35	31	22.6	19	75.9	39.2	10.7	31	7	1	3	12	6	13	23	54	40	34	1.1
September	57.56	27.5	34.4	3, 5	23	24, 30	82.8	138.4	27.4	6	6.7	14	6	15	13	23	13	36	27	33	.7
October	59.89	26.8	34.3	16	22.5	28	84.8	184.4	47.3	18	6	43	9	8	12	2	0	40	59	13	.8
November	59.70	26.3	33.5	28	20.9	12	83.6	156.7	20.5	17	6.1	45	23	14	7	1	0	37	49	4	1.2
December	60.08	26.1	32.8	18, 21	21	19	82.1	140.8	23.6	3	6.2	26	26	43	18	2	0	18	35	18	.9
Year	759.01	26.8	35.8		19.8		82.7	1,911.3	82.1		6.5	257	125	180	211	134	70	391	544	278	0.9

SAN ISIDRO.

January	759.65	25	33.1	31	17.8	4	76.5	14	8.9	27	5.4	14	29	55	2	0	0	8	77	1	1.5
February	60.79	24.8	33	1	17.9	24	72.4	27	18.1	11	5.9	14	68	30	2	0	0	0	54	0	1.8
March	60.33	25.8	35.4	17	17	9	71.1	9.4	4.1	17	5	5	74	72	2	0	0	0	32	1	2
April	58.48	26.9	34.6	14, 15	19.1	1	75.9	98.5	42.7	10	6.2	15	47	55	8	22	2	1	27	3	1.9
May	58.22	27.6	35.3	23	21.4	17	78	239.7	74.1	17	6.4	1	49	36	52	17	5	0	26	0	1.5
June	58.01	27.7	35.4	13	19.5	23	79.2	156.4	49.6	29	6.7	1	22	42	46	25	30	2	11	1	1.9
July	55.75	25.9	34.4	8	21.5	6	89.3	676.4	95.7	15	8.5	1	6	12	20	79	48	6	14	0	2.2
August	56.03	26.4	33.6	7	22	21, 22	88.6	210.8	26.7	30	8.1	0	0	2	3	68	90	9	9	5	2
September	56.86	26.7	34.8	7	21.6	30	86.5	353.7	123.2	30	7.2	24	33	15	4	27	58	4	10	5	1.9
October	60.51	26.6	34	12, 14	20.5	22	81.6	58.4	29	14	5.4	16	101	31	4	5	14	7	5	3	1.5
November	60.84	25.2	34	24	17	30	76.2	0	0	0	4.3	23	109	34	4	0	0	2	8	0	1.9
December	60.99	24.9	33.3	2	16.5	31	78.3	19.8	12.7	8	5.2	31	94	41	0	0	12	5	2	1	2
Year	758.87	26.1	35.4		16.5		79.5	1,864.1	123.2		6.2	145	632	425	147	243	259	44	275	20	1.8

TUGUEGARAO.

January	760.81	23.6	36.4	31	17.6	9	84.5	4.3	4.3	2	6.6	25	17	2	10	2	2	2	51	75	0.8
February	62.54	23.1	34.5	1	15.5	22	81.7	52.7	21.5	11	7.5	26	2	0	1	2	1	0	79	57	1.3
March	60.96	25.6	37.1	16	18	2, 10	75.4	49.8	25.9	28	5.1	29	13	1	21	10	9	0	29	74	.8
April	58.93	26.3	36.3	10	19	6	81.4	183.9	38.9	10	6	12	7	3	27	6	5	0	24	96	.6
May	58.34	27.8	36	5	20.5	3	78.9	157.6	39.8	11	6.1	8	14	4	51	18	5	1	25	60	.8
June	57.42	29.2	38.7	16, 18	21.6	27	75.1	84.1	24.4	30	5.2	3	5	0	32	15	23	0	25	77	.8
July	54.39	27.5	36.9	8	21	15	82.1	552.6	178.1	31	7.3	5	6	0	37	12	12	3	27	84	1
August	54.25	27.2	35.7	12	22	1	84.9	631.5	223.8	24	7.9	4	7	2	39	12	16	3	22	81	.7
September	55.40	[b]27.1	[b]36.4	3	[c]21.5	14	[b]83.2	520.27	[d]160.8	27	6.7	3	18	4	42	6	8	1	23	75	1.4
October	60.90	25.8	35.3	2	18.4	22	84.2	21.6	10.7	5	5.7	18	14	1	13	3	5	2	62	68	.9
November	61.84	24.1	34.3	22	16.2	11	83.9	26	7.4	6	5.1	5	5	0	7	1	6	0	61	95	.8
December	61.46	[e]24.2	[e]34.6	5	[e]17	28	[e]85.8	284	185.1	8	5.4	4	5	0	14	7	16	0	32	108	.7
Year	758.94	26	38.7		15.5		81.8	2,568.3	223.8		6.2	142	113	17	294	94	108	12	460	950	0.9

[a] From September 14, 1911, to May 31, 1912, this station was temporarily reduced to third-class station.
[b] 28 days of observation.
[c] 27 days of observation.
[d] Between 2 and 6 a. m. of the 28th, the rain gauge was blown down by hurricane winds.
[e] 29 days of observation.

1.5714
P63

DEPARTMENT OF AGRICULTURE AND NATURAL RESOURCES
WEATHER BUREAU
REV. JOSÉ ALGUÉ, S. J., DIRECTOR

ANNUAL REPORT OF THE WEATHER BUREAU

FOR THE YEAR 1911

PART IV

HOURLY RESULTS OF THE OBSERVATIONS MADE AT THE MAGNETIC OBSERVATORY OF ANTIPOLO, NEAR MANILA, P. I. DURING THE CALENDAR YEAR 1911

MANILA
BUREAU OF PRINTING
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BUNGALOW AND MAGNETIC BUILDINGS OF ANTIPOLO.

INTRODUCTION.

As a result of the inauguration in 1904 of an electric street railroad in Manila the magnetic observations made in the Observatory since 1890 had to be discontinued. Trials and experiments were prolonged for about a year but due to the great proximity of two lines to the magnetic building finally all hope of reliable data was given up and the instruments dismounted and stored away, awaiting for an opportunity to set them in some remote and safer location. Several places to build a new observatory were at different times considered but none possessed the required conditions. Baguio, Benguet, seemed desirable, but the uncertainty regarding the motive power of the future railway to the summer capital made fear a repetition of the Manila experience and the idea was abandoned. Later in 1909 the extension of the Manila Railroad eastern line to the mountain and town of Antipolo gave an opportunity to look in that region for a site within easy reach from the Central Office at Manila, by which the magnetic instruments are to be attended.

Location.—The town of Antipolo lies 18.5 kilometers east of Manila and about 215 meters above sea level, on one of the spurs of the eastern mountain range of Luzon Island. In the early months of 1910 a tract of land measuring 25,590 square meters was purchased by the Directors of the Manila Observatory to erect upon it the necessary buildings. Later a new portion was considered necessary and acquired in order to build a residential house conveniently separated from the Observatory structures. These Observatory grounds are located at about 1,000 meters north of the town and 520 meters from the railroad station, on the gentle slope of the mountain looking westwards. The geographical coördinates of the variation building are 121° 10′ E, 14° 36′ N. Clay is the predominating element of the soil, with occasional boulders of bassalt and diorite, but the amount of iron oxides is very small and so far no magnetic local disturbances have been observed. Comparisons with the old location of the Magnetic Observatory at Manila, due W of the new one, will show that the values of declination at Antipolo seem to be abnormally under those which would correspond to the general trend NW-SE of the isogonic lines in this part of the world. Such anomaly must be attributed to a remarkable deflexion toward the S of the isogonic lines along the east coast of Luzon where they tend to bay in order to follow the contour of that part of the island. Such a deflexion is responsible for a greater decrease of declination toward the E than toward the N.

Buildings.—The Variation Observatory is a stone building which measures 10 by 5 meters. Its location corresponds to the center of the property so as to prevent any influence from possible structures in the surrounding properties. Old volcanic tuff, or rather compressed mud, was used as stone material, quarried near Manila and profusely employed for building purposes; it contains only 1.87 per cent of feric oxides.

A thickness of 0.30 meter was considered favorable for the exterior walls in order to have an uniform inner temperature. The recording instruments room, 3 by 4 meters, is placed nearly in the center of the building so that its seclusion, from the exterior consists of the stone walls, two corridors about a meter wide, at the east and west sides, and two spaces in the N and S ends measuring about 5 by 2.6 meters; 0.025 board sheathing; air space 0.10 meters; 0.025 wooden sheathing; some layers of wall paper and paint, roofing maltoid paper. Beginning at the compressed cement tiles of the roof and going down: the attic, 2 meters high in the center and about 0.30 at the sides, provided with slat ventilators on the stone walls; bamboo fabric used as ceiling; 0.025 board sheating; cork dust; 0.025 board sheating; layers of wall paper and paint, roofing maltoid paper. In the southern free space or room opens the main door, while the northern serves as clock room, with one of its corners partitioned off as a dark room for photographic manipulations. Sufficient light is admitted to the rooms and corridors through small windows provided with shutters and slat ventilators.

As the mean annual variation of the temperature in this region seldom reaches 4° C., while the daily oscillation ranges between 9° C., during the rainy and winter season June to January, and 13° C. in the hot and dry months February to May, the described insulation was found practically sufficient to keep the daily range of temperature inside of the instruments room within a degree °C., and the annual variation within a couple of degrees.

For absolute observations a smaller structure was provided about 12 meters distant from the northwest corner of the variation building: it is a quadrangle of 3 by 2 meters made of the same tuff stone and roofed with cement tiles, but reënforced by a wood frame. It has a number of conveniently placed windows to admit light and to sight the marks and the polar star. Two marble piers were erected, the southern being used for the observations and the northern for tests; but ordinarily it serves as a desk, its wider top amply permitting such purpose. The geographic meridian was determined by a series of polar observations and has been repeatedly verified. As permanent azimuth mark a carved and white painted vertical line was provided on a rock or clift 1,800 meters distant, the azimuth of it being 7° 00′ 51″ W of S.

A dwelling and Office building of bungalow style was also constructed at a distance of 254 meters from the Observatory. Ample supply of water is obtained from a deep well and a windmill pumping tower placed in the remotest corner of the property.

INSTRUMENTS.

Variation Instruments.—Photographic records of the magnetic elements are obtained by the Mascart's magnetographs. The set comprises a declinometer or unifilar, a bifilar magnetometer, a magnetic balance and the recording apparatus. They are too well known to need any description; their location is such that the variations of the three are recorded on the same sheet of photographic paper, the beams of light being properly reflected by prisms so as to make them fall on the front of the recorder. The sliding of the chasis or the paper holder is regulated by a clock at the rate of a centimeter per hour.

Formerly the Observatory in the old site had two sets of instruments kept in operation, the one for the photographic records and a second for direct reading. In the new location good reasons have induced to dispense with the direct hourly reading set. It is only used occasionally, during eclipses and other similar purposes; to this end, extra marble piers were erected in each of the spaces left north and south of the variation room, being consequently easy to have in operation a complete set for direct reading.

INSTRUMENTAL CONSTANTS.

Unifilar.—As the magnet of the declinometer or D variometer is suspended by a nearly simple silk fiber from which the torsion is carefully removed, its effect is negligible: some experiments gave an average of 1.4′ for 90° of torsion. An angular value of 1.43′ corresponding to 1 mm on the magnetogram has been adopted and kept since the beginning of the records in the new site.

Bifilar or H variometer.—The scale value of this instrument is frequently determined by the ordinary method of comparing the deflexions of D and H produced by an auxiliary magnet. Owing to the relatively numerous earthquakes felt yearly in this country, which sometimes upset the magnets, an uniform value is nearly impossible, nevertheless care is taken to keep it around 0.00010 for each millimeter on the magnetogram; this value may be considered as adequate with the size of the magnet and conditions of the variometer.

Balance or Z variometer.—This is the most troublesome instrument of the set; the slightest jar being sufficient to change its adjustment: moreover there occur changes for which no apparent cause can be found. The scale value is also determined by the usual method of deflexions. Determinations are made not only every time there occurs any fairly strong earthquake, but also when during the absolute observations some abnormality is noticed. 0.00012 is the value selected as the lowest compatible with the small stability of this instrument.

TEMPERATURE COEFFICIENTS.

When the instruments were installed in the new Observatory it was considered reasonable to adopt the same temperature coeficients found and applied in the old site for the H and Z variometers.

The only reason urging for a new determination would have been the different conditions environing the instruments, but these did not really change, because each instrument was transferred with the same pillar and protecting cases, and placed at the same relative position and distance both from the walls and from the recording apparatus. Later on two verifications were made by heating the room from 26° C. to 30° C. by means of a brazier, and then allowing it to cool off, thus furnishing the artificial variation from which to determine the temperature coeficient. As the results did not differ sensibly from the coeficients in use, it was not considered wise to introduce any change: so the following are applied: H variometer, q=0.00071, Z variometer, q=0.00091.

ABSOLUTE OBSERVATIONS AND BASE-LINE VALUES.

To convert the photographic records into absolute values of D, H, and Z the ordinary method is followed. The millimeters and tenths of mm. are expressed respectively into minutes, and units of H, and Z and added to or subtracted from the base-line values. This is determined by absolute observations made ordinarily twice a month. Not less than three complete sets of observations, each comprising the determinations of D, H, and Z are used for the calculation of the base-line. As it is generally the experience in other Observatories some unexpected changes in the base-line cannot be accounted for, this is specially true for the H and Z. The declination base-line very seldom has had any not foreseen change, they are generally due to earthquakes, accidental jars and similar causes. In the H and Z base-lines besides the accidental changes dependent on the causes just indicated, some other changes also occur which in many occasions have to be assumed as continuous and uniform changes between two absolute observations and base-line determinations.

INSTRUMENTS FOR ABSOLUTE OBSERVATIONS.

The Observatory possesses two complete sets of magnetic instruments, each including a magnetometer for D and H determinations, and a dip circle for I. One of these sets is used for local observations and the other, more small and handy, for field work.

Declination and H force.—These observations are made with the Kew-pattern magnetometer, No. 28, by Elliott Bros. Although this instrument must be considered as very old and consequently has not some of the recent improvements introduced by the maker in the latter instruments, it is yet in a very good condition and gives fairly good results. During the year 1912 it was decided to secure a higher support for the deviating magnet to avoid the inconvenience of having the oscillations and deviations, necessary for the determination of the horizontal force, made at different levels, the instrument being so constructed that the oscillating magnet is placed in an upper detachable box which serves also for declination observations, while the smaller magnet for deviations has its place in the center of the magnetometer in a level few inches lower than that of the oscillating magnet. Such a difference of position of the two magnets can certainly introduce some error in the results of the H magnetic force, so the more recent instruments have been modified in order to have the oscillations and deviations made in the same place and under the same conditions. During the first year after the new support had been provided, oscillations and deflexions were repeated at each observation with the old and new arrangement to ascertain the amount of correction to be introduced on account of the level difference. It was constantly found that when both oscillations and deflexions were taken in the same upper box and with the same suspension, the H force resulted 0.00008 lower than when they had been taken according to the old method. This small amount being of the same sign of the discrepancies found by the comparison of our instruments with the standards of the Carnegie Institution Party, which visited our Observatory early in 1912, the new arrangement was permanently adopted for all the absolute observations of H.

The constants of this instrument are those sent with it by the Kew Observatory. But in order to reduce our observations more completely to the standard adopted by the Carnegie Institution the q for temperature corrections had to be calculated again. The old coeficient was calculated to reduce the observations to 0 °C. of the magnet while now they are reduced to 20 °C. With the new coeficient the H results are some 0.00005 lower; so this new correction also tends to diminish the discrepancies with the said standards.

Dip.—The instrument used is the Dover dip circle No. 7. Owing to the dampness of this region, it has been found nearly impossible to prevent the formation of rust in the axis of the needles, so the primitive needles which came with the instrument had to be discarded and from time to time new were secured from Casella and from Dover.

TEODOLITE MAGNETOMETER AND DIP-CIRCLE, BRUNNER.

This set of small instruments comprises: A teodolite magnetometer with the necessary arrangements for declination and magnetic horizontal force observations and a very small dip-circle, all constructed by Brunner of Paris. At present both instruments are out of use, due to rust and change of the constants of the small needles. It is expected that very soon they will be sent to the maker for a complete renewal. The methods of observations by these instruments may be seen in "El Magnetismo Terrestre en Filipinas," by Rev. R. Cirera, S. J., and "Annales du Bureau Centrale de Meteorologie de France, 1884," by Mr. Th. Moureaux.

COMPARISON OF INSTRUMENTS.

Owing to the location of our Archipelago in such out of way region there had not presented itself any opportunity since the year 1873, when they were acquired, to make a complete intercomparison of our instruments until 1912, when the Carnegie Institution included the Philippines in one of the magnetic cruises of its boat "The Carnegie."

In December of 1891 an English gunboat visited Manila and one of its officers made magnetic observations on the sea shore not far from our old Observatory. The results are not found in our records, but the then Director of the magnetic department, Rev. R. Cirera, S. J., states [1] that the values of D and I obtained by the said officer did not differ 0° 1′ from those obtained at our Observatory. The H could not be compared because the boat left before its calculation.

The nonmagnetic yacht "Carnegie" reached Manila on the first day of February, 1912, and comparisons were conducted at the Antipolo Magnetic Observatory from the 7th to the 29th under the direction of Dr. H. M. W. Edmonds, and by Messrs. H. F. Johnston and H. D. Frary. Below are the results which may be considered as fair if we pay attention to the want of comparisons and the long time, 15 years, the instruments remained in store before they were used in 1888. Moreover a new magnet was ordered and received from Dover shortly before the European war, but it has not been found satisfactory, and so as soon as possible it will be replaced.

DECLINATION.

Date.	Local mean time. From—	Local mean time. To—	Declination obtained.[a] C. I. W.	Declination obtained.[a] Ant. 28.	C. I. W.–Ant. 28.	Station. C. I. W.	Station. Ant. 28.
1912.	h. m.	h. m.	° ′	° ′	′		
Feb. 8	14 40	14 49	0 41.1	0 38.7	+2.4	B	A
8	16 12	16 21	41.2	39.8	+1.4	B	A
9	9 44	9 53	39.2	37.1	+2.1	B	A
9	11 13	11 22	38.3	36.2	+2.1	B	A
9	13 45	13 54	39.3	38.0	+1.3	B	A
9	15 10	15 19	40.4	38.1	+2.3	B	A
17	9 06	9 15	38.7	37.7	+1.0	A	B
19	14 01	14 10	38.7	37.6	+1.1	A	B
19	16 08	16 17	40.2	38.7	+1.5	A	B
20	8 54	9 03	38.8	35.9	+2.9	A	B
20	10 24	10 33	38.4	35.6	+2.8	A	B
20	10 55	11 04	38.0	36.0	+2.0	A	B

Mean value of (C. I. W.—Antipolo mag'r 28) +1.9.
[a] All values are referred to station A (observatory pier); A=B—2′.3.

HORIZONTAL INTENSITY.

Date.	Local mean time. From—	Local mean time. To—	Hor. int. obtained.[a] C. I. W.	Hor. int. obtained.[a] Ant. 28.	C. I. W.–Ant. 28.	Station. C. I. W.	Station. Ant. 28.	Remarks.
1912.	h. m.	h. m.	γ	γ				
Feb. 8	15 13	16 07	38199	38284				
9	10 01	10 54	228	302	−80	B	A	
9	11 36	12 20	221	294				
9	14 04	14 55	189	289	−86	B	A	
17	9 31	10 25	214	301				
19	15 19	16 05	211	266	−71	A	B	
20	9 14	10 05	228	287	−59	A	B	Half set; weight 0.5

Mean value of (C. I. W.—Antipolo Mag'r 28) —76.12 or —0.00199H.
[a] All values are referred to station A (observatory pier); A=B+3γ.

[1] "El Magnetismo Terrestre en Filipinas," by Rev. R. Cirera, S. J., Manila, 1893, pag. 41.

INCLINATION.

Date.	Local mean time.	Inclination obtained.[a]		C. I. W. Ant. 7; 2.	Station.		Remarks.
		C. I. W.	Ant. D. C. 7; 2.		C. I. W.	Ant. 7; 2.	
1912.	h. m.	° ′	° ′	′			
Feb. 13	10 51	+16 17.0	+16 15.8	+1.2	C	A	
13	11 49	16.9	16.1	+0.8	C	A	
13	14 18	18.2	17.5	+0.7	C	A	
13	14 56	18.3	19.9	—1.6	C	A	
13	15 29	18.7	18.8	—0.1	C	A	
13	16 11	19.1	18.9	+0.2	C	A	
13	16 38	19.5	18.0	+1.5	C	A	
14	8 40	18.0	19.3	—1.3	A	C	
14	9 15	17.0	12.9	+4.1	A	C	Rejected.
14	9 50	16.8	16.9	—0.1	A	C	
14	10 23	16.5	17.1	—0.6	A	C	
14	10 57	16.0	16.9	—0.9	A	C	
14	11 24	15.7	15.9	—0.2	A	C	
14	11 51	16.1	14.8	+1.3	A	C	
14	14 17	17.2	17.1	+0.1	A	C	
14	14 46	17.5	17.0	+0.5	A	C	
14	15 18	17.9	18.1	—0.2	A	C	

Mean value of (C. I. W.—Antipolo D. C. 7; 2)+0.1.
[a] All values are referred to station A (Observatory pier); A=C+5′.7.

These corrections are applied to all our observations and so reduced to the international standard (C. I. W.).

Diurnal variation of D.

1911.

[Five International quiet days. Time 8h E of Greenwich; 24h or 0h = midnight.]

Hour.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Group means.			Year.
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III	
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	−0.14	+0.02	−0.16	−0.18	−0.03	−0.10	+0.23	+0.18	+0.17	+0.08	+0.14	−0.03	0.00	−0.02	+0.07	+0.02
2	−0.20	−0.04	−0.16	−0.16	+0.06	+0.02	+0.40	+0.29	+0.17	+0.13	+0.11	−0.09	−0.06	0.00	+0.19	+0.04
3	−0.23	−0.07	−0.16	−0.07	+0.15	+0.16	+0.51	+0.35	+0.14	+0.22	+0.11	−0.12	−0.08	+0.03	+0.29	+0.08
4	−0.35	−0.09	−0.24	+0.02	+0.23	+0.24	+0.57	+0.43	+0.22	+0.19	+0.17	−0.20	−0.12	+0.05	+0.37	+0.10
5	−0.44	−0.13	−0.36	+0.08	+0.54	+0.38	+0.60	+0.54	+0.28	+0.10	+0.11	−0.26	−0.18	+0.02	+0.52	+0.12
6	−0.56	−0.33	−0.64	+0.39	+1.07	+0.91	+1.16	+1.47	+0.75	+0.13	−0.03	−0.37	−0.32	+0.16	+1.15	+0.33
7	−0.85	−0.87	−0.67	+1.01	+1.66	+1.67	+1.77	+2.22	+1.99	+0.44	−0.32	−0.26	−0.58	+0.69	+1.83	+0.65
8	−0.49	−1.02	+0.02	+1.35	+1.44	+1.89	+1.95	+2.17	+2.29	+0.61	−0.49	+0.28	−0.43	+1.07	+1.86	+0.83
9	+0.24	−0.75	+0.68	+1.31	+0.77	+1.25	+1.22	+1.11	+1.29	+0.22	−0.85	+0.30	−0.26	+0.88	+1.09	+0.57
10	+0.71	−0.43	+0.93	+0.69	+0.13	+0.38	+0.32	−0.21	+0.19	−0.34	−0.88	−0.12	−0.18	+0.37	+0.16	+0.11
11	+0.21	−0.25	+1.08	−0.04	−0.57	−0.40	−0.96	−1.30	−1.32	−0.68	−0.77	−0.62	−0.36	−0.24	−0.81	−0.47
12	−0.11	+0.14	+0.62	−0.74	−1.21	−1.19	−1.69	−2.00	−2.19	−0.90	−0.49	−0.68	−0.28	−0.80	−1.52	−0.87
13	−0.11	+0.67	−0.24	−1.23	−1.41	−1.47	−1.83	−2.08	−2.27	−0.68	−0.13	−0.31	+0.03	−1.10	−1.70	−0.92
14	−0.05	+0.75	−0.66	−1.34	−1.30	−1.19	−1.75	−1.94	−1.68	−0.40	+0.29	+0.25	+0.31	−1.02	−1.54	−0.75
15	+0.18	+0.70	−0.47	−0.74	−0.88	−0.91	−1.36	−1.16	−0.84	−0.06	+0.48	+0.56	+0.48	−0.53	−1.08	−0.38
16	+0.54	+0.58	−0.09	−0.23	−0.20	−0.38	−0.85	−0.29	0.00	+0.22	+0.73	+0.62	+0.62	−0.02	−0.43	+0.05
17	+0.60	+0.63	−0.04	+0.18	+0.27	−0.01	−0.09	+0.16	+0.45	+0.28	+0.62	+0.42	+0.57	+0.22	+0.08	+0.29
18	+0.42	+0.49	+0.28	+0.11	+0.05	−0.04	+0.02	+0.10	+0.25	+0.16	+0.48	+0.28	+0.42	+0.20	+0.03	+0.22
19	+0.36	+0.25	+0.17	0.00	−0.06	−0.21	−0.03	−0.03	+0.05	+0.11	+0.33	+0.23	+0.29	+0.08	−0.08	+0.10
20	+0.27	+0.13	+0.05	−0.02	−0.20	−0.24	−0.12	−0.06	+0.03	+0.11	+0.24	+0.17	+0.20	+0.04	−0.16	+0.03
21	+0.12	+0.01	−0.03	−0.04	−0.20	−0.21	−0.15	−0.06	+0.03	+0.05	+0.13	+0.06	+0.08	0.00	−0.16	−0.02
22	+0.04	−0.05	−0.06	−0.13	−0.17	−0.18	−0.06	−0.06	+0.03	−0.03	+0.04	−0.03	0.00	−0.05	−0.12	−0.06
23	−0.02	−0.17	−0.06	−0.18	−0.15	−0.18	−0.01	+0.02	+0.03	0.00	+0.02	−0.05	−0.06	−0.05	−0.08	−0.06
24	−0.05	−0.17	−0.06	−0.15	−0.09	−0.15	+0.11	+0.13	+0.05	+0.05	+0.02	−0.05	−0.06	−0.03	0.00	−0.03

Diurnal variation of Y.

1911.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	− 2	0	− 2	− 2	− 1	− 1	+ 2	+ 1	+ 2	+ 1	+ 1	− 1	0	0	0	0
2	− 3	0	− 2	− 2	0	0	+ 4	+ 3	+ 2	+ 1	+ 1	− 1	− 1	0	+ 2	0
3	− 3	− 1	− 2	− 1	+ 1	+ 2	+ 5	+ 3	+ 2	+ 2	+ 1	− 2	− 1	0	+ 3	+ 1
4	− 4	− 1	− 3	0	+ 2	+ 3	+ 6	+ 4	+ 3	+ 2	+ 1	− 3	− 2	0	+ 4	+ 1
5	− 5	− 1	− 4	+ 1	+ 5	+ 4	+ 6	+ 5	+ 3	+ 1	+ 1	− 3	− 2	0	+ 5	+ 1
6	− 7	− 4	− 7	+ 4	+11	+10	+13	+16	+ 9	+ 1	− 1	− 5	− 4	+ 2	+12	+ 3
7	−10	−10	− 7	+11	+18	+19	+20	+24	+22	+ 5	− 4	− 3	− 7	+ 8	+20	+ 7
8	− 6	−11	0	+15	+15	+21	+22	+24	+26	+ 7	− 6	+ 3	− 5	+12	+20	+ 9
9	+ 3	− 8	+ 8	+15	+ 8	+14	+14	+12	+15	+ 2	−10	+ 3	− 3	+10	+12	+ 6
10	+ 8	− 4	+11	+ 8	+ 1	+15	+ 4	− 2	+ 3	− 4	−10	− 1	− 2	+ 4	+ 2	+ 2
11	+ 2	− 2	+13	0	− 6	− 4	−10	−14	−14	− 7	− 9	− 7	− 4	− 2	− 8	− 5
12	− 1	+ 2	+ 8	− 8	−13	−13	−18	−22	−24	−10	− 5	− 8	− 3	− 8	−16	− 9
13	− 1	+ 8	− 2	−13	−16	−16	−20	−23	−25	− 7	− 2	− 4	0	−12	−19	−10
14	− 1	+ 9	− 7	−14	−15	−13	−19	−22	−18	− 4	+ 3	+ 2	+ 3	−11	−17	− 8
15	+ 2	+ 8	− 5	− 8	−10	−10	−15	−13	− 9	− 1	+ 5	+ 6	+ 5	− 6	−12	− 4
16	+ 6	+ 7	− 1	− 2	− 3	− 4	− 9	− 4	0	+ 2	+ 8	+ 7	+ 7	0	− 5	+ 1
17	+ 6	+ 7	0	+ 2	+ 3	0	− 1	+ 1	+ 5	+ 3	+ 6	+ 4	+ 6	+ 2	+ 1	+ 3
18	+ 4	+ 6	+ 3	+ 1	0	0	0	+ 1	+ 3	+ 2	+ 5	+ 3	+ 4	+ 2	0	+ 2
19	+ 4	+ 3	+ 2	0	− 1	− 2	− 1	− 1	+ 1	+ 1	+ 3	+ 2	+ 3	+ 1	− 1	+ 1
20	+ 3	+ 1	+ 1	0	− 3	− 3	− 2	− 1	+ 1	+ 1	+ 2	+ 1	+ 2	+ 1	− 2	0
21	+ 1	0	0	0	− 3	− 2	− 2	− 1	+ 1	0	+ 1	0	0	0	− 2	0
22	0	− 1	− 1	− 1	− 2	− 2	− 1	− 1	+ 1	− 1	0	− 1	0	0	− 2	− 1
23	− 1	− 2	− 1	− 2	− 2	− 2	0	0	+1	0	0	− 1	− 1	0	− 1	− 1
24	− 1	− 2	− 1	− 1	− 2	− 2	+ 1	+ 1	+ 1	0	0	− 1	− 1	0	0	− 1

Diurnal variation of H.

1911.

[Five International quiet days. Time 8h E of Greenwich; 24h or 0h = midnight.]

Hour.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Group means.			Year.
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III	
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	− 6	−12	−26	−19	−18	−13	−10	−15	−12	−11	−12	−10	−10	−17	−14	−14
2	− 5	−12	−24	−21	−21	−12	−13	−12	−10	−11	−13	− 8	−10	−16	−14	−14
3	− 7	−10	−22	−16	−19	−11	−12	−14	−10	− 9	−15	− 7	−10	−14	−14	−13
4	− 9	−11	−19	−18	−18	−13	−11	−12	−10	− 9	−14	− 9	−11	−14	−14	−13
5	−10	−12	−16	−18	−19	−12	−10	−12	− 9	− 9	−15	−10	−12	−13	−13	−13
6	−10	−10	−14	−18	−17	− 9	− 7	−10	− 8	−10	−14	− 8	−10	−12	−11	−11
7	− 5	− 9	−10	−12	−13	− 3	− 2	− 3	− 8	− 7	−11	− 6	− 8	− 9	− 5	− 7
8	+ 3	− 3	+ 3	− 2	− 4	+ 5	+ 3	+ 8	− 3	0	0	+ 2	0	0	+ 3	+ 1
9	+14	+ 6	+23	+16	+ 7	+16	+17	+20	+ 8	+ 9	+11	+13	+11	+14	+15	+13
10	+23	+16	+37	+34	+21	+24	+28	+31	+19	+21	+22	+20	+20	+28	+26	+25
11	+26	+27	+44	+39	+32	+28	+30	+31	+29	+31	+29	+20	+26	+36	+30	+30
12	+23	+29	+41	+34	+35	+24	+31	+30	+29	+32	+29	+15	+24	+34	+30	+29
13	+16	+23	+29	+28	+30	+20	+25	+22	+20	+24	+23	+11	+18	+25	+24	+23
14	+13	+13	+17	+19	+22	+15	+14	+14	+13	+16	+16	+ 7	+12	+16	+16	+15
15	+ 9	+ 8	+10	+12	+14	+ 8	+ 6	+ 8	+ 8	+ 5	+ 9	+ 3	+ 7	+ 9	+ 9	+ 8
16	+ 1	+ 5	+ 5	+ 2	+ 6	+ 3	− 3	+ 3	+ 2	+ 1	+ 2	+ 1	+ 2	+ 2	+ 2	+ 2
17	− 4	0	− 1	0	+ 1	− 2	− 8	− 3	− 2	− 3	0	0	− 1	− 2	− 3	− 2
18	− 5	− 3	− 4	− 3	− 2	− 7	−10	−10	− 5	− 4	− 3	− 1	− 3	− 4	− 7	− 5
19	− 8	− 5	− 7	− 5	− 1	− 7	−11	−13	− 8	− 8	− 5	− 3	− 5	− 7	− 8	− 7
20	−12	− 5	−10	− 6	− 3	− 9	−11	−11	−10	−10	− 6	− 4	− 7	− 9	− 8	− 8
21	−17	− 7	−12	− 7	− 5	−10	−13	−14	− 9	− 9	− 8	− 5	− 9	− 9	−10	−10
22	−11	− 9	−15	− 9	− 6	−11	−12	−13	− 8	−10	−10	− 5	− 9	−10	−10	−10
23	−12	− 7	−17	−10	− 7	−12	−10	−13	− 6	−11	− 8	− 4	− 8	−11	−10	−10
24	− 6	− 4	−18	−10	− 8	−13	−10	−11	− 6	−11	−10	− 5	− 6	−11	−10	− 9

Diurnal variation of X.

1911.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	− 6	−12	−26	−19	−18	−13	−10	−15	−12	−11	−12	−10	−10	−17	−14	−14
2	− 5	−12	−24	−21	−21	−12	−13	−12	−10	−11	−13	− 8	−10	−16	−14	−14
3	− 7	−10	−22	−16	−19	−11	−12	−14	−10	− 9	−15	− 7	−10	−14	−14	−13
4	− 9	−11	−19	−18	−18	−13	−11	−12	−10	− 9	−14	− 9	−11	−14	−14	−13
5	−10	−12	−16	−18	−19	−12	−10	−12	− 9	− 9	−15	−10	−12	−13	−13	−13
6	−10	−10	−14	−18	−17	− 9	− 7	−10	− 8	−10	−14	− 8	−10	−12	−11	−11
7	− 5	− 9	−10	−12	−13	− 3	− 2	− 3	− 8	− 7	−11	− 6	− 8	− 9	− 5	− 7
8	+ 3	− 3	+ 3	− 2	− 4	+ 5	+ 3	+ 8	− 3	0	0	+ 2	0	0	+ 3	+ 1
9	+14	+ 6	+23	+16	+ 7	+16	+17	+20	+ 8	+ 9	+11	+13	+11	+14	+15	+13
10	+23	+16	+37	+34	+21	+24	+28	+31	+19	+21	+22	+20	+20	+28	+26	+25
11	+26	+27	+44	+39	+32	+28	+31	+31	+29	+31	+29	+20	+26	+36	+30	+31
12	+23	+29	+41	+34	+35	+24	+32	+31	+29	+32	+29	+15	+24	+34	+30	+30
13	+16	+23	+29	+28	+30	+20	+26	+23	+21	+24	+23	+11	+18	+26	+25	+23
14	+13	+13	+17	+19	+22	+15	+15	+15	+13	+16	+16	+ 7	+12	+16	+17	+15
15	+ 9	+ 8	+10	+12	+14	+ 8	+ 6	+ 8	+ 8	+ 5	+ 9	+ 3	+ 7	+ 9	+ 9	+ 8
16	+ 1	+ 5	+ 5	+ 2	+ 6	+ 3	− 3	+ 3	+ 2	+ 1	+ 2	+ 1	+ 2	+ 2	+ 2	+ 2
17	− 4	0	− 1	0	+ 1	− 2	− 8	− 3	− 2	− 3	0	0	− 1	− 2	− 3	− 2
18	− 5	− 3	− 4	− 3	− 2	− 7	−10	−10	− 5	− 4	− 3	− 1	− 3	− 4	− 7	− 5
19	− 8	− 5	− 7	− 5	− 1	− 7	−11	−13	− 8	− 8	− 5	− 3	− 5	− 7	− 8	− 7
20	−12	− 5	−10	− 6	− 3	− 9	−11	−11	−10	−10	− 6	− 4	− 7	− 9	− 8	− 8
21	−17	− 7	−12	− 7	− 5	−10	−13	−14	− 9	− 9	− 8	− 5	− 9	− 9	−10	−10
22	−11	− 9	−15	− 9	− 6	−11	−12	−13	− 8	−10	−10	− 5	− 9	−10	−10	−10
23	−12	− 7	−17	−10	− 7	−12	−10	−13	− 6	−11	− 8	− 4	− 8	−11	−10	−10
24	− 6	− 4	−18	−10	− 8	−13	−10	−11	− 6	−11	−10	− 5	− 6	−11	−10	− 9

Diurnal variation of Z.

1911.

[Five International quiet days. Time 8h E of Greenwich; 24h or 0h=midnight.]

Hour.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Group means.			Year.
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III	
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	+ 7	+ 4	+10	+ 8	+ 7	+ 9	+12	+ 7	+ 7	+ 9	+ 6	+ 5	+ 6	+ 8	+ 9	+ 8
2	+ 5	+ 4	+10	+ 7	+ 7	+ 8	+11	+ 7	+ 6	+ 9	+ 5	+ 4	+ 4	+ 8	+ 8	+ 7
3	+ 4	+ 4	+10	+ 7	+ 7	+ 6	+10	+ 4	+ 5	+ 9	+ 4	+ 4	+ 4	+ 8	+ 7	+ 6
4	+ 3	+ 3	+ 8	+ 7	+ 8	+ 4	+ 9	+ 3	+ 4	+ 8	+ 2	+ 3	+ 3	+ 7	+ 6	+ 5
5	+ 2	+ 2	+ 7	+ 7	+ 8	+ 4	+ 8	+ 3	+ 3	+ 8	+ 1	+ 3	+ 2	+ 6	+ 6	+ 5
6	+ 2	+ 1	+ 5	+ 6	+ 6	+ 3	+ 7	+ 3	+ 2	+ 8	− 2	+ 2	+ 1	+ 5	+ 5	+ 4
7	0	0	+ 1	+ 7	+ 1	− 1	+ 5	+ 1	+ 2	+ 5	− 4	0	− 1	+ 4	+ 2	+ 1
8	− 3	− 1	− 6	0	− 7	− 7	− 2	− 9	− 5	− 3	− 9	− 5	− 4	− 4	− 6	− 5
9	− 8	− 2	−16	−12	−17	−15	−11	−16	−17	−13	−13	−12	− 9	−14	−15	−13
10	−14	− 6	−23	−22	−24	−19	−18	−22	−28	−22	−16	−19	−14	−24	−21	−19
11	−18	−14	−27	−28	−27	−20	−24	−25	−33	−24	−15	−21	−17	−28	−24	−23
12	−15	−17	−26	−25	−23	−18	−22	−22	−31	−22	−12	−17	−15	−26	−21	−21
13	−10	−14	−23	−17	−16	−13	−18	−17	−22	−16	− 8	−11	−11	−20	−16	−15
14	− 4	− 8	−13	− 7	− 7	− 7	−10	− 8	−12	− 8	− 2	− 4	− 4	−10	− 8	− 8
15	+ 2	− 2	− 3	+ 3	− 1	− 1	− 1	+ 2	0	0	+ 2	+ 3	+ 1	0	0	0
16	+ 6	+ 3	+ 2	+ 9	+ 5	+ 4	+ 5	+ 8	+ 7	+ 5	+ 5	+ 6	+ 5	+ 6	+ 6	+ 5
17	+ 7	+ 4	+ 7	+10	+ 7	+ 9	+ 8	+12	+11	+ 7	+ 6	+ 7	+ 6	+ 9	+ 9	+ 8
18	+ 6	+ 6	+ 9	+ 8	+ 8	+ 9	+ 7	+12	+12	+ 7	+ 7	+ 7	+ 6	+ 9	+ 9	+ 8
19	+ 5	+ 6	+10	+ 7	+ 8	+ 9	+ 7	+11	+13	+ 7	+ 7	+ 7	+ 6	+ 9	+ 9	+ 8
20	+ 5	+ 5	+11	+ 7	+ 8	+ 9	+ 6	+10	+13	+ 6	+ 7	+ 7	+ 6	+ 9	+ 8	+ 8
21	+ 5	+ 5	+10	+ 7	+ 8	+ 9	+ 5	+ 9	+13	+ 7	+ 7	+ 6	+ 6	+ 9	+ 8	+ 8
22	+ 5	+ 4	+10	+ 7	+ 8	+ 9	+ 5	+ 8	+13	+ 6	+ 7	+ 6	+ 6	+ 9	+ 8	+ 7
23	+ 5	+ 5	+10	+ 7	+ 7	+ 8	+ 5	+ 7	+13	+ 6	+ 7	+ 5	+ 6	+ 9	+ 7	+ 7
24	+ 4	+ 5	+10	+ 6	+ 7	+ 8	+ 5	+ 7	+13	+ 5	+ 6	+ 4	+ 5	+ 8	+ 7	+ 7

Diurnal variation of I.

1911.

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	+0.72	+0.64	+1.46	+1.13	+1.02	+1.03	+1.22	+0.97	+0.87	+1.01	+0.78	+0.65	+0.70	+1.12	+1.06	+0.96
2	+0.54	+0.64	+1.42	+1.10	+1.10	+0.93	+1.21	+0.89	+0.74	+1.01	+0.73	+0.53	+0.61	+1.07	+1.03	+0.90
3	+0.50	+0.59	+1.37	+0.98	+1.05	+0.74	+1.10	+0.69	+0.66	+0.96	+0.69	+0.50	+0.57	+0.99	+0.90	+0.82
4	+0.47	+0.53	+1.13	+1.03	+1.11	+0.62	+0.99	+0.56	+0.58	+0.88	+0.50	+0.46	+0.49	+0.90	+0.82	+0.74
5	+0.41	+0.47	+0.97	+1.03	+1.13	+0.59	+0.89	+0.56	+0.47	+0.88	+0.44	+0.49	+0.45	+0.84	+0.79	+0.69
6	+0.41	+0.34	+0.76	+0.94	+0.91	+0.44	+0.73	+0.51	+0.36	+0.90	+0.17	+0.36	+0.32	+0.74	+0.65	+0.57
7	+0.12	+0.24	+0.33	+0.88	+0.40	−0.04	+0.44	+0.18	+0.36	+0.58	−0.07	+0.16	+0.11	+0.54	+0.24	+0.30
8	−0.33	0.00	−0.57	+0.05	−0.49	−0.73	−0.26	−0.92	−0.34	−0.25	−0.75	−0.47	−0.39	−0.28	−0.60	−0.42
9	−1.01	−0.30	−1.89	−1.38	−1.59	−1.66	−1.35	−1.79	−1.61	−1.30	−1.35	−1.32	−1.00	−1.54	−1.60	−1.38
10	−1.73	−0.87	−2.81	−2.65	−2.51	−2.19	−2.20	−2.56	−2.79	−2.35	−1.86	−2.07	−1.63	−2.65	−2.36	−2.22
11	−2.13	−1.81	−3.31	−3.27	−3.02	−2.37	−2.72	−2.81	−3.45	−2.75	−1.96	−2.23	−2.03	−3.20	−2.73	−2.65
12	−1.81	−2.11	−3.16	−2.90	−2.77	−2.11	−2.60	−2.53	−3.28	−2.61	−1.71	−1.78	−1.85	−2.99	−2.50	−2.45
13	−1.23	−1.71	−2.62	−2.09	−2.06	−1.59	−2.12	−1.93	−2.31	−1.91	−1.23	−1.18	−1.34	−2.23	−1.92	−1.83
14	−0.65	−0.97	−1.49	−1.04	−1.12	−0.98	−1.40	−0.98	−1.31	−1.06	−0.56	−0.51	−0.67	−1.22	−1.12	−1.01
15	−0.06	−0.35	−0.49	−0.04	−0.43	−0.30	−0.25	−0.01	−0.19	−0.13	−0.06	+0.17	−0.08	−0.21	−0.25	−0.18
16	+0.47	+0.14	+0.04	+0.71	+0.27	+0.23	+0.47	+0.61	+0.53	+0.39	+0.36	+0.47	+0.36	+0.42	+0.40	+0.39
17	+0.68	+0.34	+0.61	+0.83	+0.56	+0.77	+0.84	+1.09	+0.96	+0.65	+0.49	+0.58	+0.52	+0.76	+0.82	+0.70
18	+0.62	+0.58	+0.84	+0.74	+0.71	+0.89	+0.80	+1.28	+1.12	+0.68	+0.65	+0.60	+0.61	+0.84	+0.92	+0.79
19	+0.61	+0.63	+1.00	+0.71	+0.69	+0.89	+0.83	+1.25	+1.27	+0.77	+0.70	+0.65	+0.65	+0.94	+0.92	+0.83
20	+0.71	+0.55	+1.16	+0.73	+0.74	+0.94	+0.75	+1.12	+1.32	+0.74	+0.73	+0.67	+0.66	+0.99	+0.89	+0.85
21	+0.83	+0.60	+1.12	+0.76	+0.78	+0.96	+0.71	+1.10	+1.30	+0.80	+0.77	+0.62	+0.70	+1.00	+0.89	+0.86
22	+0.68	+0.56	+1.20	+0.81	+0.81	+0.99	+0.69	+1.00	+1.27	+0.74	+0.82	+0.62	+0.67	+1.00	+0.87	+0.85
23	+0.71	+0.60	+1.24	+0.83	+0.75	+0.93	+0.64	+0.92	+1.23	+0.76	+0.77	+0.51	+0.65	+1.02	+0.81	+0.82
24	+0.48	+0.53	+1.27	+0.75	+0.77	+0.95	+0.64	+0.87	+1.23	+0.68	+0.74	+0.45	+0.55	+0.98	+0.81	+0.78

Diurnal variation of F.

1911.

[Five International quiet days. Time 8h E of Greenwich; 24h or 0h = midnight.]

Hour.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Group means.			Year.
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III	
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	− 4	−10	−22	−16	−15	−10	− 7	−12	−10	− 8	−10	− 8	− 8	−14	−11	−11
2	− 4	−10	−20	−19	−18	− 9	−10	− 9	− 8	− 8	−11	− 6	− 8	−14	−12	−11
3	− 6	− 8	−18	−14	−16	− 8	− 9	−12	− 8	− 6	−13	− 5	− 8	−12	−11	−10
4	− 8	− 9	−16	−15	−15	−11	− 8	−11	− 9	− 7	−13	− 7	− 9	−12	−11	−11
5	− 9	−11	−13	−15	−16	−10	− 8	−11	− 8	− 7	−14	− 8	−10	−11	−11	−11
6	− 9	− 9	−12	−16	−15	− 7	− 5	− 9	− 7	− 8	−14	− 7	−10	−11	− 9	−10
7	− 5	− 8	− 9	−10	−12	− 3	− 1	− 2	− 7	− 5	−11	− 6	− 8	− 8	− 4	− 7
8	+ 2	− 3	+ 1	− 2	− 6	+ 3	+ 2	+ 5	− 4	− 1	− 2	+ 1	0	− 2	+ 1	0
9	+11	+ 6	+18	+12	+ 2	+12	+13	+15	+ 3	+ 5	+ 7	+ 9	+ 8	+10	+10	+ 9
10	+18	+14	+29	+26	+13	+18	+21	+24	+10	+14	+17	+14	+16	+20	+19	+18
11	+19	+22	+35	+29	+23	+22	+22	+23	+18	+23	+24	+13	+20	+26	+22	+23
12	+17	+23	+32	+25	+27	+18	+23	+23	+19	+24	+25	+10	+19	+25	+23	+22
13	+12	+18	+22	+22	+24	+16	+19	+17	+13	+18	+20	+ 8	+14	+19	+19	+17
14	+11	+10	+13	+16	+19	+13	+10	+11	+ 9	+13	+15	+ 6	+10	+13	+13	+12
15	+ 9	+ 7	+ 9	+12	+13	+ 8	+ 5	+ 8	+ 9	+ 5	+ 9	+ 4	+ 7	+ 9	+ 8	+ 8
16	+ 2	+ 6	+ 6	+ 4	+ 7	+ 5	− 2	+ 5	+ 4	+ 2	+ 3	+ 3	+ 4	+ 4	+ 4	+ 4
17	− 2	+ 1	+ 1	+ 2	+ 3	+ 1	− 6	+ 1	+ 1	− 1	+ 2	+ 2	+ 1	+ 1	0	0
18	− 3	− 1	− 1	− 1	0	− 4	− 8	− 6	− 2	− 2	− 1	+ 1	− 1	− 2	− 4	− 2
19	− 7	− 3	− 4	− 3	+ 1	− 4	− 9	− 9	− 4	− 6	− 3	− 1	− 4	− 4	− 5	− 4
20	−10	− 3	− 6	− 4	− 1	− 6	− 9	− 8	− 6	− 8	− 4	− 2	− 5	− 6	− 6	− 5
21	−15	− 5	− 9	− 5	− 3	− 7	−11	−11	− 5	− 7	− 6	− 3	− 7	− 6	− 8	− 7
22	− 9	− 7	−11	− 7	− 4	− 8	−10	−10	− 4	− 8	− 7	− 3	− 6	− 8	− 8	− 7
23	−10	− 5	−13	− 8	− 5	− 9	− 9	−10	− 2	− 9	− 6	− 2	− 6	− 8	− 8	− 7
24	− 5	− 2	−14	− 8	− 6	−10	− 9	− 9	− 2	− 9	− 8	− 4	− 5	− 8	− 8	− 7

Summary of monthly means, 1911.

Month.	D.	Y.	H.	X.	Z.	I.	F.
	° ′	γ	γ	γ	γ	° ′	γ
January	0 43.41	481	38070	38067	11187	16 22.54	39680
February	0 42.64	472	38062	38059	11156	16 20.14	39663
March	0 41.71	462	38091	38088	11160	16 19.78	39692
April	0 40.65	450	38079	38076	11142	16 18.57	39676
May	0 41.16	456	38045	38042	11138	16 19.07	39642
June	0 41.02	454	38062	38059	11121	16 17.27	39653
July	0 40.60	450	38099	38096	11120	16 16.28	39689
August	0 40.84	453	38102	38099	11147	16 18.41	39699
September	0 40.58	449	38068	38065	11138	16 18.51	39664
October	0 40.93	453	38034	38031	11122	16 18.01	39627
November	0 40.97	454	38065	38062	11117	16 16.84	39655
December	0 40.86	453	38081	38078	11126	16 17.20	39673
Year	0 41.28	457	38072	38068	11140	16 18.55	39668

HOURLY VALUES OF DECLINATION.

JANUARY, 1911. 0° East plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	43.87	43.87	43.87	43.72	43.57	43.13	42.83	43.28	44.17	44.02	43.57	42.83	42.98	43.13	43.72
2	43.87	43.87	43.72	43.57	43.57	42.98	42.98	43.57	45.05	45.20	43.72	43.28	44.61	44.91	45.05
3	43.87	43.87	43.72	43.57	43.13	42.83	42.39	41.80	42.54	42.54	41.65	40.91	42.54	43.87	45.05
4	43.28	43.28	42.83	43.13	43.13	42.69	42.39	42.98	43.43	43.13	43.43	42.69	42.39	42.09	42.39
5	43.28	43.43	43.57	43.57	43.43	42.98	42.39	42.83	43.87	42.69	40.91	41.50	41.80	42.39	43.43
6	43.28	43.43	43.43	43.13	42.98	42.83	42.69	43.13	43.57	43.72	43.28	42.69	42.69	42.83	43.57
7[a]	43.28	43.28	43.43	43.43	43.57	43.72	43.43	43.57	43.87	43.43	42.98	42.24	42.98	43.57	44.31
8	43.42	43.42	43.42	43.42	43.56	43.71	44.01	44.30	44.01	43.42	42.53	42.53	42.38	42.68	42.97
9	43.71	43.71	43.86	43.86	44.16	43.71	44.16	44.75	44.60	43.71	42.82	42.53	42.38	42.82	43.86
10	42.97	42.68	42.68	42.97	43.27	43.42	43.86	45.04	44.90	44.16	42.82	42.53	42.82	43.27	43.71
11	43.56	43.42	42.97	43.12	43.12	42.82	42.68	43.56	44.90	43.56	42.53	43.71	44.45	45.04	45.34
12[a]	43.56	43.42	43.42	43.27	43.12	43.12	42.97	43.56	44.90	45.78	44.45	44.16	43.56	42.97	42.82
13	43.56	43.56	43.42	43.27	43.12	42.82	42.53	42.97	44.01	45.04	44.16	43.71	44.01	44.01	44.16
14	43.56	43.12	43.42	43.12	42.68	42.38	42.23	42.82	44.01	45.34	45.64	44.90	44.01	43.27	42.82
15	42.97	42.82	42.82	42.82	42.53	42.23	41.35	42.08	42.97	43.71	43.86	43.56	43.71	43.86	44.16
16	43.42	43.42	43.27	42.82	42.68	42.53	41.64	41.94	43.12	43.86	43.27	41.94	42.23	42.97	43.71
17[a]	43.12	43.12	43.12	42.97	42.82	42.38	41.79	42.08	42.97	44.16	43.86	44.01	44.30	43.86	43.86
18	42.82	42.82	42.82	42.82	42.82	42.53	42.23	42.38	42.68	42.82	43.27	42.68	42.82	43.12	43.42
19	43.27	42.97	42.68	43.12	42.53	42.38	42.08	42.08	43.42	44.90	44.90	44.30	43.86	44.16	
20[a]	43.12	43.12	42.97	42.82	42.68	42.53	42.23	42.72	43.40	43.68	43.40	42.82	42.53	42.97	43.27
21[a]	43.26	43.11	42.96	42.81	42.67	42.52	42.37	42.67	43.11	43.56	43.42	43.26	43.11	43.41	43.70
22	43.41	43.41	43.41	43.26	43.11	42.96	42.67	43.11	44.24	45.33	46.22	45.76	44.58	43.84	43.99
23	43.38	43.38	43.38	43.38	43.38	42.78	42.64	43.08	44.55	45.29	46.18	46.03	44.99	44.25	43.98
24	43.79	43.79	43.79	43.64	43.34	43.05	42.75	42.60	42.74	44.08	45.41	43.93	43.63	43.93	43.78
25	44.06	43.17	43.46	43.32	43.76	43.46	42.86	42.27	41.83	43.31	44.05	44.49	44.78	43.74	43.30
26	43.42	43.57	43.28	42.83	43.13	42.83	42.09	41.94	41.80	42.23	43.42	44.01	44.15	44.61	44.91
27	43.25	43.25	43.25	43.25	43.10	42.51	41.77	41.03	41.16	41.61	42.35	42.20	42.20	42.64	43.24
28	43.36	43.36	43.36	43.22	43.07	42.77	42.03	41.88	42.32	42.76	42.32	42.17	42.61	43.06	43.36
29	42.89	42.89	42.89	42.74	42.45	42.00	41.85	41.84	42.29	43.18	43.32	43.47	43.46	43.46	43.61
30	43.15	43.15	43.15	43.15	43.29	43.00	42.26	42.41	42.84	43.14	43.43	43.28	43.28	43.58	43.58
31	43.12	43.12	43.12	43.12	42.97	42.67	41.64	41.50	42.07	42.22	42.51	42.51	42.81	42.96	43.11
Mean	43.38	43.32	43.27	43.20	43.12	42.85	42.51	42.77	43.40	43.73	43.54	43.25	43.31	43.45	43.75
Mean[a]	43.27	43.21	43.18	43.06	42.97	42.85	42.56	42.92	43.65	44.12	43.62	43.30	43.30	43.36	43.59

FEBRUARY, 1911. 0° East plus tabular quantities.

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	43.09	43.23	43.53	43.53	43.23	42.94	42.05	42.05	42.19	42.48	43.08	43.22	43.22	43.08	43.08
2	43.80	43.50	43.35	43.20	43.06	42.76	41.71	41.71	41.71	41.86	42.02	42.90	43.33	43.48	43.48
3	43.16	43.02	43.02	42.87	42.42	42.28	41.54	41.23	41.67	42.27	42.56	43.01	43.45	43.30	43.30
4	42.99	42.99	42.99	42.99	42.84	42.69	42.25	42.25	42.54	42.83	42.98	43.12	43.12	43.12	42.98
5	42.96	42.96	42.96	42.81	42.51	42.22	41.62	41.77	41.91	42.35	43.69	43.54	43.39	43.39	43.39
6	43.07	42.93	42.63	42.48	42.93	42.78	41.58	41.73	42.32	42.92	43.21	43.51	43.94	44.39	44.68
7	43.03	43.03	42.74	42.44	42.44	42.15	42.00	42.59	43.32	44.36	44.36	44.06	43.76	43.76	43.76
8	43.15	43.15	43.15	43.15	43.00	42.86	42.12	41.97	42.11	42.85	43.59	43.44	43.29	43.29	43.59
9	43.12	43.12	43.12	43.12	42.97	42.83	42.38	42.38	42.52	43.11	43.56	43.56	43.70	43.56	43.26
10	42.80	42.80	42.94	42.94	42.65	42.65	42.19	42.49	42.49	42.79	42.79	43.08	42.93	42.48	42.63
11[a]	42.90	42.90	42.76	42.76	42.46	42.31	42.02	42.02	42.01	42.30	42.45	42.75	43.19	43.19	43.19
12[a]	42.87	42.73	42.73	42.73	42.58	42.43	41.84	41.68	41.98	42.27	42.57	43.31	44.05	44.34	44.05
13	42.84	42.84	42.84	42.70	42.70	42.40	41.66	41.66	41.95	42.54	43.13	44.17	44.61	44.17	43.57
14	43.11	42.96	42.67	42.37	42.52	42.67	41.63	41.33	41.48	41.62	42.06	42.80	43.10	43.25	43.40
15[a]	42.93	42.78	42.78	42.78	42.93	42.64	41.59	41.29	41.89	42.48	42.63	43.07	43.66	43.65	43.50
16	42.74	42.74	42.74	42.60	42.60	42.45	42.00	42.00	42.30	42.45	42.74	43.04	43.04	43.34	43.34
17	42.74	42.60	42.45	42.30	42.00	41.86	41.26	40.67	42.00	42.45	42.30	42.30	42.60	43.04	43.04
18	42.74	42.74	42.60	42.60	42.74	42.89	42.45	42.45	42.60	42.89	42.89	43.04	43.04	43.34	43.34
19[a]	42.74	42.74	42.74	42.60	42.60	42.00	41.56	41.26	41.71	42.15	42.30	42.45	42.89	43.04	43.34
20[a]	41.86	41.86	41.86	41.86	42.00	42.15	41.86	41.86	41.86	41.86	42.00	42.30	42.74	42.74	42.60
21	41.86	41.86	42.00	41.86	41.86	41.86	42.00	42.74	43.63	43.48	43.34	43.34	43.48	43.04	43.04
22															
23	43.04	43.04	43.04	42.89	42.74	42.45	42.00	42.15	42.30	42.30	42.45	42.60	43.48	44.08	43.48
24	42.45	42.45	42.45	42.60	42.30	41.86	40.97	40.08	40.38	40.82	41.56	41.86	41.86	41.56	41.26
25	43.04	43.04	43.04	42.89	42.74	42.60	42.30	41.56	42.30	42.45	42.60	43.04	42.89	42.89	42.89
26	42.89	43.04	43.04	42.89	42.60	42.15	41.56	41.86	42.15	42.60	42.74	43.04	42.60	42.60	42.60
27	43.04	43.04	42.89	42.89	42.74	42.45	41.86	41.56	42.00	42.60	43.04	43.19	43.04	42.60	42.30
28	42.89	42.89	42.74	42.60	42.60	42.30	42.00	42.15	42.60	42.89	43.34	43.78	44.08	43.48	42.89
Mean	42.88	42.85	42.81	42.72	42.62	42.43	41.85	41.80	42.15	42.52	42.81	43.09	43.28	43.27	43.18
Mean[a]	42.66	42.60	42.57	42.55	42.51	42.31	41.77	41.62	41.89	42.21	42.39	42.78	43.31	43.39	43.34

[a] Five international quiet days.

HOURLY VALUES OF DECLINATION.

JANUARY, 1911. 0° East plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
44.61	44 7	44.02	43.87	43.87	43.87	43.87	43.87	43.87	43.69	16 00	44.61	7 10	42.68	1.93	1
45.94	44. 1	44.02	43.87	43.87	43.72	43.28	43.43	43.43	44.02	16 26	46.09	6 30	42.84	3.25	2
45.20	44.31	43.72	43.57	43.57	43.43	43.28	43.57	43.28	43.26	15 35	45.50	12 00	40.91	4.59	3
43.72	43.87	43.57	43.57	43.43	43.43	43.43	43.43	43.28	43.12	17 00	43.87	14 00	42.09	1.78	4
44.17	44.17	43.72	43.72	43.57	43.57	43.43	43.43	43.28	43.13	16 36	44.32	10 42	40.76	3.56	5
44.17	44.17	44.17	44.02	43.87	43.72	43.57	43.43	43.43	43.41	16 12	44.32	13 36	42.54	1.78	6
45.05	44.76	43.87	44.02	44.02	43.72	43.57	43.43	43.43	43.62	16 00	45.05	12 00	42.24	2.81	7
43.86	44.01	43.86	43.86	43.86	43.71	43.71	43.71	43.71	43.50	8 00	44.30	13 00	42.38	1.92	8
44.75	44.90	44.90	44.45	44.30	44.01	44.01	43.56	43.27	43.87	16 36	45.05	13 08	42.08	2.97	9
44.45	44.60	44.45	44.30	44.01	44.16	44.01	43.86	43.71	43.69	8 00	45.04	11 48	42.38	2.66	10
45.34	45.19	44.75	44.30	44.16	43.86	43.86	43.86	43.71	43.91	15 12	45.49	11 06	42.38	3.11	11
42.68	42.97	43.27	43.27	43.42	43.42	43.42	43.42	43.56	43.52	10 00	45.78	16 00	42.68	3.10	12
44.45	44.16	43.86	43.86	43.86	43.71	43.56	43.56	43.56	43.71	10 00	45.04	7 00	42.53	2.51	13
43.12	43.42	43.56	43.56	43.56	43.42	43.27	43.12	43.12	43.48	11 00	45.64	7 15	42.08	3.56	14
44.01	43.86	43.56	43.42	43.27	43.12	43.12	43.27	43.27	43.18	15 00	44.16	7 00	41.35	2.81	15
44.30	44.60	43.71	43.56	43.86	43.42	43.12	42.97	42.97	43.14	16 35	45.04	7 00	41.64	3.40	16
44.16	44.16	44.01	43.86	43.56	43.27	43.27	43.12	42.97	43.37	13 00	44.30	7 00	41.79	2.51	17
44.16	45.04	44.90	44.16	43.56	43.56	43.42	43.27	43.27	43.22	17 00	45.04	7 00	42.23	2.81	18
44.45	44.30	44.16	44.16	43.86	43.56	43.42	43.42	43.27	43.55	10 17	45.05	7 15	41.74	3.31	19
43.86	44.30	44.16	43.86	43.71	43.56	43.42	43.42	43.42	43.25	17 00	44.30	7 00	42.23	2.07	20
44.00	43.85	43.85	43.85	43.70	43.70	43.55	43.55	43.41	43.31	16 00	44.00	7 00	42.37	1.63	21
44.14	43.83	43.98	43.98	43.83	43.83	43.83	43.53	43.53	43.91	11 00	46.22	7 00	42.67	3.55	22
44.25	44.10	44.10	43.80	43.80	43.80	43.80	43.80	43.80	44.00	11 00	46.18	7 00	42.64	3.54	23
43.78	44.07	44.21	43.92	43.92	43.62	43.47	43.47	43.47	43.67	11 09	45.56	8 13	42.45	3.11	24
43.59	43.59	44.18	43.73	43.58	43.58	43.43	43.43	43.43	43.51	13 00	44.78	9 00	41.83	2.95	25
44.76	44.61	44.31	43.55	43.70	43.26	43.40	43.40	43.40	43.44	15 00	44.91	9 00	41.80	3.11	26
43.68	43.67	43.67	43.37	43.37	43.23	43.23	43.23	43.37	42.82	15 20	43.83	8 00	41.03	2.80	27
43.50	43.34	43.34	43.34	43.20	43.05	43.05	43.05	42.90	42.93	16 00	43.50	8 00	41.88	1.62	28
43.61	43.61	43.46	43.30	43.16	43.16	43.16	43.01	43.01	42.99	16 10	43.76	7 30	41.70	2.06	29
43.58	43.42	43.27	43.27	43.13	43.13	43.13	43.13	43.13	43.16	14 20	43.73	7 00	42.26	1.47	30
43.40	43.84	43.39	43.54	43.54	43.39	43.24	43.10	42.80	42.90	17 00	43.84	8 00	41.50	2.34	31
44.15	44.12	43.94	43.77	43.68	43.55	43.46	43.41	43.36	43.43	----------	44.78	----------	42.05	2.73	--------
43.95	44.01	43.83	43.77	43.68	43.53	43.45	43.39	43.36	43.41	----------	44.68	----------	42.26	2.42	--------

FEBRUARY, 1911. 0° East plus tabular quantities.

′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
43.08	43.22	43.36	43.36	43.51	43.36	43.36	43.21	43.36	43.08	4 13	43.67	8 11	41.91	1.76	1
43.48	43.48	43.78	43.62	43.47	43.32	43.17	43.17	43.17	43.02	18 19	43.92	7 24	41.57	2.35	2
43.15	43.00	43.29	43.14	43.14	43.14	43.14	43.00	43.00	42.80	13 00	43.45	7 42	41.09	2.36	3
43.12	43.41	43.41	43.41	43.26	43.11	43.11	43.11	43.11	42.99	17 24	43.56	7 18	42.10	1.46	4
43.39	43.39	43.38	43.38	43.23	43.23	43.23	43.23	43.23	42.96	11 25	43.84	7 15	41.48	2.36	5
44.68	44.24	43.94	43.64	43.64	43.34	43.34	43.19	43.04	43.26	15 26	44.82	7 08	41.44	3.38	6
43.76	43.75	43.46	43.31	43.31	43.31	43.31	43.16	43.16	43.26	10 42	44.50	7 00	42.00	2.50	7
43.59	43.58	43.43	43.28	43.28	43.28	43.13	43.13	43.13	43.11	10 54	43.73	8 00	41.97	1.76	8
43.26	43.25	43.25	43.10	43.10	43.10	42.95	42.95	42.95	43.09	14 24	43.84	7 25	42.24	1.60	9
43.07	43.22	43.22	43.21	43.06	43.06	42.91	42.91	42.91	42.84	17 54	43.36	7 20	42.05	1.31	10
43.19	43.34	43.19	43.19	43.19	43.03	43.03	42.88	42.88	42.80	17 00	43.34	7 42	41.88	1.46	11
43.60	43.59	43.46	43.15	43.15	43.00	43.00	42.85	42.85	42.95	14 00	44.34	8 00	41.68	2.66	12
43.43	43.56	43.56	43.42	43.27	43.12	43.12	43.12	43.12	43.06	13 40	44.75	7 26	41.52	3.23	13
44.14	44.28	43.83	43.39	43.39	43.09	42.50	42.79	42.79	42.80	17 38	44.42	7 44	41.19	3.23	14
43.50	43.80	43.65	43.35	43.05	43.05	42.90	42.75	42.75	42.89	17 00	43.80	8 00	41.29	2.51	15
43.34	43.04	43.04	43.04	42.89	42.89	43.04	43.04	42.74	42.80	16 08	43.48	7 10	41.86	1.62	16
43.48	44.08	43.48	43.04	43.04	43.04	42.89	42.74	42.60	42.58	17 15	44.36	8 00	40.67	3.69	17
43.93	43.48	43.04	42.89	42.74	43.04	43.04	42.89	42.74	42.92	16 00	43.93	7 44	42.31	1.62	18
43.34	43.19	42.89	42.60	42.45	42.30	42.15	42.00	42.00	42.46	15 12	43.48	8 00	41.26	2.22	19
42.45	42.45	42.45	42.15	42.00	41.86	41.86	41.86	41.86	42.10	13 00	42.89	9 33	41.72	1.17	20
43.48	43.34	43.34	43.19	43.04	42.74	42.74	42.60	42.45	42.76	9 00	43.63	6 10	41.71	1.92	21
															22
43.19	43.04	42.89	42.74	42.74	42.74	42.60	42.45	42.60	42.79	14 00	44.08	7 00	42.00	2.08	23
42.15	43.04	43.04	43.04	43.04	43.04	43.04	43.04	43.04	42.12	16 48	43.19	8 00	40.08	3.11	24
42.89	42.89	42.89	42.74	42.74	42.60	42.45	42.74	42.89	42.71	12 00	43.04	8 00	41.56	1.48	25
42.74	42.89	43.04	43.04	43.04	42.89	42.74	42.74	42.89	42.68	17 52	43.19	7 00	41.56	1.63	26
42.30	42.60	43.04	43.04	42.89	42.74	42.74	42.74	42.74	42.67	12 00	43.19	8 00	41.56	1.63	27
43.19	43.19	43.34	43.04	42.74	42.30	42.60	42.60	42.74	42.87	13 00	44.08	7 00	42.00	2.08	28
43.29	43.35	43.28	43.13	43.05	42.95	42.89	42.85	42.84	42.83	----------	43.77	----------	41.62	2.15	--------
43.22	43.27	43.13	42.89	42.77	42.65	42.59	42.47	42.47	42.64	----------	43.57	----------	41.57	2.00	--------

HOURLY VALUES OF DECLINATION.

MARCH, 1911. 0° East plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	42.74	42.74	42.89	42.74	42.45	42.00	41.86	41.86	42.30	43.04	43.93	43.78	43.48	42.89	42.74
2	42.30	42.60	42.74	42.74	42.30	42.15	42.00	42.30	42.74	43.48	43.33	42.45	42.15	42.30	42.44
3	43.04	43.19	43.34	43.19	42.89	42.60	41.71	41.86	42.45	43.34	43.60	43.50	42.76	42.32	42.02
4	42.89	42.74	42.58	42.44	42.13	41.83	41.38	41.82	42.45	43.14	43.43	43.57	43.42	43.41	43.41
5	43.07	43.21	43.35	43.06	42.77	42.47	42.17	42.61	42.90	43.03	43.31	43.16	43.30	43.30	43.29
6	42.65	43.09	43.09	42.79	42.64	42.64	41.89	41.89	42.77	43.36	43.35	43.35	43.34	43.34	43.03
7	43.43	43.43	43.27	43.12	43.11	42.81	42.06	42.21	42.80	43.54	44.27	44.27	44.26	44.26	44.10
8	43.31	43.31	43.15	43.15	42.99	42.84	42.69	42.54	42.53	42.53	42.67	42.67	42.66	42.36	42.20
9	43.19	43.34	43.34	43.34	43.19	43.04	43.34	44.08	44.80	44.60	44.18	43.41	42.41	41.69	41.55
10[a]	41.18	41.18	41.18	41.03	40.89	40.59	41.33	42.19	42.63	42.77	42.77	42.34	41.64	41.49	41.49
11[a]	41.68	41.68	41.68	41.68	41.54	41.40	41.11	41.54	41.97	41.68	41.40	40.97	40.54	40.25	40.54
12[a]	41.69	41.69	41.69	41.55	41.55	41.55	41.83	42.83	43.84	43.98	43.41	42.83	41.69	41.41	41.55
13	41.70	41.70	41.56	41.42	41.42	41.56	41.84	42.84	43.56	43.42	43.27	43.13	41.84	41.29	41.42
14	41.71	41.71	41.71	41.43	41.14	40.71	40.71	41.71	42.84	43.28	43.28	42.28	41.71	42.00	42.70
15	41.72	41.72	41.72	41.44	41.15	40.72	40.58	41.44	42.44	42.86	42.86	42.15	41.44	41.30	41.30
16	41.45	41.45	41.45	41.45	41.31	40.59	40.44	41.31	42.45	43.02	43.16	42.86	41.31	40.73	40.87
17[a]	41.60	41.60	41.60	41.46	41.32	40.74	40.31	40.74	41.32	41.74	42.60	42.17	41.16	40.60	41.46
18[a]	41.61	41.61	41.61	41.61	41.47	41.05	40.62	41.34	42.19	43.05	43.76	43.33	42.33	41.48	41.32
19	41.62	41.62	41.62	41.62	41.48	41.05	40.76	41.48	41.90	42.48	42.75	42.33	40.90	40.19	40.33
20	41.63	41.63	41.63	41.63	41.63	40.63	40.20	40.48	41.48	42.06	42.77	42.91	42.06	41.48	42.63
21	42.07	42.07	41.35	41.78	41.64	41.21	41.64	42.07	42.07	42.07	41.92	41.78	40.78	41.35	41.78
22	41.50	42.36	42.79	42.22	41.93	42.08	42.79	43.08	43.08	43.36	43.03	41.36	39.93	40.36	41.36
23	41.80	41.94	42.09	41.80	41.80	41.94	42.09	41.94	40.95	41.80	41.66	41.37	40.37	40.37	41.09
24	41.52	41.95	42.10	42.10	41.81	41.67	42.24	42.95	42.81	42.67	42.10	41.81	41.10	40.81	41.52
25	41.96	41.96	41.96	41.96	41.82	41.53	41.82	42.96	43.10	43.10	42.82	41.82	40.95	41.25	41.53
26	42.04	42.04	41.90	42.18	42.04	41.76	41.62	41.90	42.60	42.46	42.32	41.90	41.48	41.34	41.76
27	42.32	42.32	42.46	41.90	41.90	41.34	41.90	42.60	43.02	43.16	43.30	42.60	41.20	40.22	40.64
28	42.05	42.05	42.05	41.91	41.77	41.91	42.61	43.31	43.87	44.15	43.59	42.19	40.93	40.51	41.35
29	42.06	42.48	42.06	41.92	41.78	41.78	43.04	43.60	43.60	43.32	42.34	41.36	40.52	40.20	40.65
30	41.65	41.65	41.65	41.65	41.51	41.37	41.93	43.05	43.20	42.55	41.60	40.45	39.55	39.55	40.05
31	40.40	40.40	40.40	40.40	40.26	40.26	40.12	40.96	41.52	41.52	41.38	40.26	39.28	38.86	39.70
Mean	42.05	42.14	42.13	42.02	41.86	41.61	41.63	42.18	42.65	42.92	42.91	42.40	41.63	41.38	41.67
Mean[a]	41.55	41.55	41.55	41.47	41.35	41.07	41.04	41.73	42.39	42.64	42.79	42.33	41.47	41.05	41.24

APRIL, 1911. 0° East plus tabular quantities.

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	41.25	41.11	41.11	40.97	40.97	40.69	40.83	41.39	41.95	42.65	42.09	41.39	39.57	39.15	39.29
2	40.98	40.84	41.12	41.40	41.12	41.12	41.40	41.82	41.96	42.10	41.54	40.56	39.30	39.16	39.72
3	41.26	41.26	41.26	41.12	41.12	41.26	41.82	42.38	42.66	42.94	42.38	40.84	40.14	40.00	40.56
4	41.40	41.40	41.26	41.40	41.26	41.40	41.68	42.24	42.80	42.94	42.38	41.54	40.56	40.75	41.58
5[a]	41.35	41.35	41.35	41.35	41.35	41.49	41.63	42.05	43.10	42.90	41.80	41.00	40.37	40.37	41.20
6	41.35	41.49	41.49	41.49	41.35	41.07	41.21	41.63	42.61	42.89	42.47	41.63	40.79	40.51	40.93
7	40.79	40.79	40.79	40.65	40.51	40.37	40.37	40.93	41.63	41.35	40.65	39.81	39.25	39.39	39.67
8	41.07	41.07	40.93	40.79	40.51	40.37	41.21	41.63	41.91	41.91	41.06	40.07	39.22	38.51	39.20
9	40.82	41.10	41.38	41.53	41.53	42.51	43.07	42.09	41.95	41.95	41.53	40.97	40.83	41.25	40.97
10	40.51	40.51	40.51	40.66	40.80	41.08	41.23	41.23	40.66	40.80	40.13	39.99	39.72	39.02	39.73
11	40.48	40.48	40.48	40.49	40.49	40.49	41.34	40.92	40.23	40.93	41.08	40.52	40.11	39.55	39.84
12	40.17	40.31	40.31	40.32	40.32	40.60	41.45	41.73	41.74	41.60	41.33	40.49	40.36	40.36	40.51
13[a]	40.14	40.28	40.42	40.57	40.71	40.85	41.42	41.84	41.57	40.73	40.18	39.36	38.80	38.37	38.80
14[a]	40.25	40.25	40.40	40.40	40.54	41.10	42.23	42.79	42.24	41.68	41.27	40.57	39.74	39.46	40.17
15[a]	39.80	39.80	39.95	40.09	40.23	40.37	40.94	41.64	41.65	40.67	39.80	39.16	38.73	38.59	39.30
16	40.05	39.91	40.05	40.06	40.20	40.34	40.77	41.89	42.18	41.90	40.79	39.25	37.86	38.00	38.99
17	40.58	40.44	40.44	40.59	40.73	40.59	40.88	41.02	41.17	41.17	40.48	39.22	38.95	38.67	39.38
18	40.27	40.55	40.56	40.56	40.43	40.29	40.58	40.72	40.73	39.89	39.34	38.36	38.22	38.79	39.63
19	39.97	40.11	40.25	40.39	40.25	40.95	41.09	40.95	39.69	38.57	38.01	37.03	36.89	37.45	38.43
20	40.18	40.32	40.32	40.74	40.89	41.17	41.45	41.59	41.59	41.36	40.50	39.52	38.95	39.23	39.66
21	40.52	40.80	40.94	40.94	41.08	41.08	41.22	41.22	40.66	40.24	39.82	39.12	39.54	39.40	39.96
22	40.27	40.56	40.70	40.71	40.71	40.86	41.00	41.01	40.31	40.19	40.06	39.92	39.79	39.66	39.95
23	40.58	40.72	40.59	40.59	40.74	41.02	41.72	41.45	40.76	40.21	39.80	38.83	38.42	38.15	38.44
24	40.18	40.19	40.19	40.34	40.20	39.79	40.35	40.36	40.51	40.52	40.11	39.56	39.42	39.02	39.04
25	40.77	40.92	40.92	41.07	40.92	41.50	42.06	41.79	41.24	40.69	39.72	38.47	38.34	38.35	38.64
26[a]	40.79	40.79	40.79	40.94	40.81	41.37	42.08	41.67	41.26	40.71	40.02	39.47	39.48	39.77	40.06
27	40.82	40.82	40.97	40.97	41.12	41.54	42.25	41.98	41.15	40.74	39.18	38.64	39.35	39.78	40.22
28	40.98	41.12	41.12	41.26	41.26	41.82	43.08	43.78	43.92	42.66	41.26	40.28	39.16	39.44	40.28
29	41.12	41.26	41.26	41.26	41.26	41.96	42.80	42.52	41.68	40.70	40.14	39.16	38.88	39.58	40.42
30	40.70	40.70	40.84	40.70	40.70	41.26	42.24	42.80	42.94	42.38	41.12	40.00	39.58	39.86	40.28
Mean	40.65	40.71	40.76	40.81	40.80	41.01	41.51	41.70	41.62	41.33	40.67	39.82	39.34	39.32	39.83
Mean[a]	40.47	40.49	40.58	40.67	40.73	41.04	41.66	42.00	41.96	41.34	40.61	39.91	39.42	39.31	39.91

[a] Five international quiet days.

HOURLY VALUES OF DECLINATION.

MARCH, 1911.

0° East plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
43.04	43.19	43.04	43.04	42.60	42.74	42.45	42.30	42.30	42.76	11 00	43.93	6 33	41.72	2.21	1
42.60	42.74	43.19	43.19	43.04	42.89	42.89	42.89	42.89	42.69	10 00	43.48	7 00	42.00	1.48	2
42.32	42.60	42.74	42.89	43.04	42.89	42.74	42.74	42.89	42.78	11 00	43.60	7 00	41.71	1.89	3
43.85	43.70	43.54	43.24	43.09	42.94	42.93	42.93	42.92	42.91	16 00	43.85	7 00	41.38	2.47	4
43.44	43.74	44.17	43.43	43.27	43.12	42.96	42.36	42.51	43.09	18 00	44.17	7 00	42.17	2.00	5
43.18	43.32	43.62	43.46	43.46	43.30	43.30	43.29	43.29	43.06	18 00	43.62	7 30	41.75	1.87	6
44.10	44.24	43.87	43.57	43.19	43.03	43.03	43.02	43.17	43.42	11 30	44.41	7 00	42.06	2.35	7
43.09	43.52	43.67	43.66	43.81	43.50	43.06	43.05	43.05	43.00	20 00	43.81	15 00	42.20	1.61	8
41.55	42.12	42.27	42.12	41.55	41.26	41.12	41.12	41.12	42.66	9 00	44.80	23 14	40.98	3.82	9
41.79	41.94	41.94	41.80	41.80	41.80	41.67	41.67	41.67	41.70	10 30	42.91	6 00	40.59	2.32	10
41.54	41.68	41.68	41.82	41.68	41.68	41.68	41.68	41.68	41.45	9 00	41.97	13 15	39.96	2.01	11
41.83	42.12	42.26	41.98	41.83	41.69	41.69	41.69	41.69	42.08	10 00	43.98	14 00	41.41	2.57	12
41.70	41.99	41.99	41.70	41.70	41.42	41.42	41.42	41.56	41.95	9 33	43.70	14 11	41.15	2.55	13
42.84	42.84	42.14	42.00	41.71	41.71	41.71	41.57	41.57	41.96	10 28	43.42	6 14	40.42	3.00	14
41.44	41.72	42.01	41.86	41.86	41.58	41.58	41.44	41.44	41.66	10 30	43.00	6 36	40.44	2.56	15
41.02	41.59	41.59	41.59	41.31	41.31	41.59	41.59	41.59	41.54	11 00	43.16	6 36	40.15	3.01	16
41.74	41.88	41.88	41.74	41.74	41.60	41.60	41.60	41.60	41.49	11 00	42.60	7 00	40.31	2.29	17
41.18	41.75	42.19	42.05	41.75	41.61	41.61	41.61	41.61	41.82	11 10	43.90	7 00	40.62	3.28	18
41.48	41.76	41.76	41.76	41.76	41.62	41.48	41.62	41.62	41.54	11 00	42.75	14 00	40.19	2.56	19
43.49	43.92	43.49	42.77	42.63	42.06	41.91	41.77	41.91	42.03	16 21	44.21	7 00	40.20	4.01	20
42.64	42.78	43.07	42.78	42.35	41.92	41.92	41.49	41.07	41.90	17 43	43.21	13 00	40.78	2.43	21
41.65	41.93	41.93	41.93	41.93	41.79	41.79	41.79	41.79	41.99	9 33	43.65	13 20	39.79	3.86	22
41.66	41.80	42.09	41.94	41.80	41.80	41.66	41.80	41.80	41.64	17 54	42.23	13 13	40.23	2.00	23
41.81	41.81	41.95	41.95	41.95	41.81	41.81	41.81	41.81	41.91	8 00	42.95	13 36	40.67	2.28	24
41.96	42.25	42.54	42.11	42.03	42.17	41.61	41.75	41.89	42.04	10 24	43.39	13 15	40.81	2.58	25
42.04	42.60	42.46	41.90	41.90	41.90	42.04	42.04	42.18	42.02	17 23	42.74	13 27	41.05	1.69	26
41.62	42.46	42.60	42.18	42.04	41.76	41.90	41.90	41.90	42.05	11 00	43.30	14 00	40.22	3.08	27
41.77	42.61	42.05	41.91	41.91	41.91	41.77	41.77	41.91	42.16	10 00	44.15	14 28	40.37	3.78	28
41.50	41.90	41.70	41.50	41.50	41.50	41.64	41.50	41.50	41.87	8 42	43.74	14 00	40.20	3.54	29
40.70	41.00	40.90	40.40	40.25	40.25	40.25	40.25	40.25	41.07	9 00	43.20	13 30	39.41	3.79	30
40.68	40.96	41.10	40.82	40.82	40.82	40.82	40.82	40.96	40.56	9 27	41.66	14 00	38.86	2.80	31
42.10	42.40	42.43	42.23	42.11	41.98	41.92	41.88	41.91	42.09	----------	43.40	----------	40.77	2.63	--------
41.62	41.67	41.99	41.88	41.76	41.68	41.65	41.65	41.65	41.71	----------	43.07	----------	40.58	2.49	--------

APRIL, 1911.

0° East plus tabular quantities.

′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
40.55	41.25	41.39	41.25	41.11	40.83	40.83	40.83	40.83	40.97	10 00	42.65	14 00	39.15	3.50	1
40.28	40.98	41.40	41.26	41.26	41.26	41.26	41.26	41.26	41.02	9 49	42.24	14 00	39.16	3.08	2
41.54	41.68	41.68	41.54	41.40	41.26	41.26	41.26	41.26	41.41	10 00	42.94	14 00	40.00	2.94	3
42.13	42.26	41.97	41.77	41.63	41.49	41.35	41.35	41.35	41.66	10 00	42.94	13 00	40.56	2.38	4
41.80	42.00	41.77	41.63	41.63	41.63	41.49	41.35	41.35	41.55	9 00	43.10	13 30	40.23	2.87	5
41.35	41.21	41.07	41.07	40.93	40.79	40.79	40.79	40.79	41.32	10 00	42.89	14 00	40.51	2.38	6
40.51	41.21	41.07	41.07	41.07	40.93	40.93	40.93	40.93	40.65	9 00	41.63	13 00	39.25	2.38	7
40.17	40.85	40.85	40.85	40.85	40.85	40.71	40.85	40.85	40.68	9 27	42.05	14 00	38.51	3.54	8
41.39	42.57	41.87	41.46	41.60	40.74	40.60	40.60	40.60	41.45	7 00	43.07	22 32	40.34	2.73	9
40.15	40.72	40.44	40.45	40.31	40.18	40.46	40.47	40.47	40.43	7 12	41.51	14 00	39.02	2.49	10
40.26	40.55	40.55	40.42	40.28	40.29	40.29	40.30	40.30	40.44	7 00	41.34	14 00	39.55	1.79	11
40.65	40.80	40.38	40.39	40.39	40.40	40.26	40.41	40.27	40.65	9 45	41.88	0 14	40.03	1.85	12
39.36	40.49	40.49	40.36	40.22	40.23	40.23	40.24	40.38	40.25	8 00	41.84	14 15	38.24	3.60	13
40.45	40.32	40.18	40.19	40.19	40.20	40.06	39.93	39.93	40.61	8 00	42.79	14 00	39.46	3.33	14
40.01	40.43	40.43	40.30	40.30	40.31	40.17	40.18	40.18	40.13	9 10	41.78	14 14	38.45	3.33	15
39.69	40.40	40.12	39.85	39.85	40.14	40.00	40.01	40.01	40.10	8 50	42.32	13 10	37.72	4.60	16
40.50	40.51	40.79	40.38	39.96	39.97	39.97	40.12	40.12	40.28	9 17	41.45	14 00	38.67	2.78	17
40.06	40.44	40.16	40.07	40.08	39.80	39.81	39.96	40.11	39.98	8 30	40.86	12 44	38.08	2.78	18
39.97	40.53	40.53	40.39	40.25	39.97	39.97	39.97	39.97	39.65	7 00	41.09	13 00	36.89	4.20	19
40.36	40.64	40.36	40.36	40.50	40.23	40.23	40.23	40.23	40.44	8 30	41.73	13 00	38.95	2.78	20
40.10	39.96	39.97	39.97	40.11	40.11	40.25	40.25	40.11	40.31	7 50	41.36	12 33	38.98	2.38	21
40.24	40.39	40.25	40.12	39.98	39.99	40.00	40.15	40.15	40.29	7 17	41.14	14 21	39.52	1.62	22
39.14	39.57	39.71	39.86	40.01	40.02	40.02	40.03	40.03	40.02	7 00	41.72	14 00	38.15	3.57	23
39.60	40.02	40.59	40.31	40.18	40.18	40.19	40.34	40.49	40.07	9 13	40.65	14 16	38.88	1.77	24
39.34	40.05	40.34	40.62	40.63	40.49	40.50	40.64	40.64	40.36	7 00	42.06	13 30	38.20	3.86	25
40.49	40.92	40.92	40.79	40.79	40.66	40.66	40.66	40.67	40.69	6 50	42.22	12 30	39.33	2.89	26
40.37	40.52	40.25	40.40	40.55	40.55	40.70	40.70	40.84	40.60	7 00	42.25	12 19	38.50	3.75	27
41.54	41.68	41.68	41.40	40.26	41.12	40.84	41.12	40.84	41.37	9 00	43.92	13 00	39.16	4.76	28
41.54	41.68	41.54	41.26	40.98	40.84	40.70	40.70	40.70	41.00	7 00	42.80	13 00	38.88	3.92	29
40.98	41.82	41.54	41.40	41.22	41.10	41.10	41.10	41.10	41.14	9 00	42.94	13 00	39.58	3.36	30
40.48	40.88	40.81	40.71	40.65	40.55	40.52	40.56	40.56	40.65	----------	42.11	----------	39.07	3.04	--------
40.42	40.83	40.76	40.65	40.63	40.61	40.52	40.47	40.50	40.65	----------	42.34	----------	39.14	3.20	--------

HOURLY VALUES OF DECLINATION.

MAY, 1911. 0° East plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1[a]	41.06	41.06	41.24	41.36	41.92	42.48	43.04	43.05	42.21	41.37	40.39	39.83	39.83	39.97	40.53
2	41.20	41.20	41.34	41.34	41.34	41.48	42.60	43.02	43.30	42.74	41.48	41.20	39.93	39.79	39.93
3	41.32	41.32	41.32	41.46	41.46	41.46	41.74	42.16	41.73	41.17	40.33	40.19	40.19	39.91	40.05
4[a]	41.15	41.29	41.29	41.29	41.43	41.71	42.13	42.13	41.99	41.85	41.29	40.45	40.02	39.74	39.88
5	41.13	41.27	41.27	41.27	41.41	41.55	42.11	42.53	41.69	40.01	38.19	37.35	37.35	38.33	39.73
6	41.39	41.53	41.53	41.53	41.53	41.81	42.65	42.51	42.09	41.41	39.99	39.57	38.73	39.00	39.84
7	41.52	41.65	41.65	41.65	41.79	42.35	42.63	42.21	41.51	40.11	38.99	37.73	37.86	38.14	38.42
8	41.49	41.49	41.49	41.21	40.79	41.49	42.47	42.75	42.19	40.65	39.81	39.67	39.94	40.08	40.08
9	41.05	41.05	41.05	41.05	41.33	41.61	41.75	41.75	41.19	40.07	38.81	38.67	39.22	40.06	40.48
10	41.03	41.03	41.03	41.03	41.31	42.15	42.57	42.29	41.59	40.05	38.51	38.37	38.50	38.92	39.90
11	41.15	41.15	41.15	41.15	41.29	42.41	43.39	43.25	42.55	41.01	40.03	39.75	39.60	40.16	40.72
12	41.41	41.41	41.41	41.41	41.41	42.39	42.67	42.12	40.71	39.73	38.61	38.61	38.74	38.88	39.86
13[a]	40.85	40.85	40.85	40.99	41.13	41.70	42.96	43.24	42.68	41.42	40.30	39.19	38.35	38.49	39.20
14	40.90	41.04	41.04	40.90	40.91	41.19	42.73	43.43	43.01	41.48	40.36	39.37	38.83	38.83	39.11
15	41.09	41.23	41.37	41.37	41.65	42.50	43.90	42.22	40.12	39.01	38.45	37.75	37.19	37.89	38.74
16	41.14	41.14	41.28	41.28	41.43	41.71	42.41	42.69	41.86	41.02	40.32	39.29	38.79	38.09	38.79
17	41.34	41.48	41.48	41.34	41.21	41.63	42.61	42.61	42.33	41.36	40.66	39.96	39.54	39.68	40.10
18	41.25	41.39	41.39	41.39	41.54	41.82	42.52	42.94	42.94	42.11	41.69	40.71	40.29	40.29	40.30
19	41.30	41.44	41.44	41.58	41.59	42.01	42.43	42.43	41.59	40.34	39.64	38.94	38.94	39.23	39.65
20	41.35	41.35	41.35	41.49	41.64	42.06	43.18	43.46	42.49	41.65	40.53	40.11	39.69	39.84	40.12
21	41.55	41.69	41.69	41.56	41.56	42.12	43.24	43.66	42.97	42.27	41.15	40.45	40.46	40.46	40.60
22[a]	41.32	41.46	41.60	41.60	42.03	42.45	42.87	42.59	41.75	41.19	40.50	39.94	40.08	40.51	40.79
23	40.95	41.09	41.37	41.51	41.51	41.93	42.50	42.92	43.20	41.94	41.52	40.40	40.27	40.27	40.55
24[a]	41.28	41.42	41.56	41.70	41.99	42.83	43.11	41.99	41.01	40.60	40.46	40.32	40.46	40.61	41.02
25	41.48	41.62	41.76	41.76	41.62	42.32	42.74	42.74	42.32	41.90	41.34	40.92	40.92	41.48	42.04
26	41.34	41.76	41.90	41.90	42.18	43.16	43.58	43.16	41.90	40.36	39.52	38.82	39.10	39.52	40.08
27	41.07	41.07	41.35	41.63	41.91	42.75	43.17	42.47	40.93	40.23	39.25	39.11	39.25	40.09	40.79
28	41.08	41.36	41.64	41.64	41.78	42.76	43.46	43.46	42.20	40.66	39.26	38.70	39.12	39.26	39.96
29	41.23	41.37	41.65	41.65	41.79	42.35	43.19	43.05	41.93	40.53	39.55	39.27	39.13	39.41	40.25
30	41.24	41.38	41.52	41.66	41.94	42.78	43.34	43.48	42.78	40.96	39.70	39.28	39.28	40.12	40.54
31	41.39	41.53	41.67	41.67	41.95	42.51	43.35	43.07	42.23	40.69	39.71	39.01	38.73	39.57	40.55
Mean	41.23	41.33	41.41	41.43	41.56	42.11	42.81	42.75	42.03	40.96	40.01	39.45	39.30	39.57	40.08
Mean[a]	41.13	41.22	41.31	41.39	41.70	42.23	42.82	42.60	41.93	41.29	40.59	39.95	39.75	39.86	40.28

JUNE, 1911. 0° East plus tabular quantities.

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	41.41	41.69	41.83	41.97	42.11	42.53	42.39	42.11	41.83	40.43	39.31	38.89	38.89	38.89	38.89
2	41.14	41.42	41.42	41.42	41.70	42.40	42.96	43.24	43.10	41.84	40.86	40.44	40.30	40.44	40.58
3[a]	41.01	41.15	41.15	41.15	41.43	41.71	42.41	42.83	42.27	41.85	41.43	40.87	40.59	40.59	40.59
4	40.88	41.02	41.16	41.30	41.72	42.28	42.98	42.84	42.14	40.46	39.90	40.18	39.34	38.92	39.34
5	41.03	41.45	42.01	42.71	41.59	41.45	42.15	42.15	42.01	41.73	41.73	40.75	40.75	40.75	40.75
6	41.04	41.32	41.60	41.74	41.88	42.02	42.16	41.88	41.74	40.76	40.06	39.50	39.22	39.36	39.92
7	40.91	41.05	41.05	41.19	41.19	42.03	42.17	42.45	42.17	41.47	40.77	40.63	39.93	40.35	39.79
8	41.21	41.63	41.63	41.63	41.63	42.61	42.75	42.05	41.35	40.65	40.23	40.09	39.95	40.51	41.07
9	41.08	41.08	41.22	41.22	41.50	41.92	42.34	42.20	41.92	41.22	40.52	39.82	39.96	40.10	40.52
10	40.81	41.09	41.93	42.07	42.07	42.35	41.79	42.07	41.93	40.67	39.69	39.27	39.55	40.11	40.25
11	41.52	41.94	42.08	42.22	41.94	42.78	43.34	42.50	42.22	40.82	39.98	39.28	39.00	39.70	40.54
12	41.25	41.53	41.81	41.53	41.95	42.23	42.51	42.23	41.25	40.13	39.43	39.43	39.43	39.71	40.55
13	41.12	41.40	41.54	41.82	41.96	42.24	42.52	42.52	42.24	41.96	40.84	40.00	39.02	39.44	39.58
14	40.99	40.99	41.13	41.13	41.41	42.25	43.23	43.65	43.65	42.95	41.83	40.57	39.31	39.17	39.03
15	40.86	41.14	41.14	41.28	41.70	41.98	42.96	42.68	42.26	41.98	41.28	40.86	40.72	40.16	39.88
16	41.01	41.01	41.15	41.29	41.43	42.13	42.83	42.69	41.85	41.15	40.31	39.05	39.33	40.03	40.03
17[a]	40.86	41.14	41.42	41.56	41.28	41.84	42.54	42.68	42.12	41.14	40.58	39.46	39.18	39.32	39.74
18[a]	40.99	40.99	41.13	41.13	41.55	42.25	43.51	43.65	42.81	41.83	40.85	39.87	39.45	40.15	40.71
19[a]	40.98	41.12	41.40	41.54	41.82	42.24	42.66	43.22	42.24	40.84	40.28	39.58	39.58	39.72	39.86
20	40.97	40.97	41.11	41.11	41.25	42.09	42.23	42.23	41.67	40.83	39.29	38.56	38.87	40.27	40.55
21	40.68	40.82	40.82	40.96	41.10	41.80	42.36	43.34	42.22	41.10	39.84	39.28	39.42	39.70	40.40
22	40.81	40.95	41.09	41.09	40.95	41.65	42.21	41.93	41.65	40.95	39.97	39.69	39.55	39.69	40.11
23	40.66	40.80	41.08	41.08	41.08	41.22	41.64	41.22	40.52	39.96	39.82	40.24	40.52	40.66	40.66
24	40.79	40.79	41.07	41.07	40.93	41.77	42.47	42.33	41.77	40.37	39.39	39.39	39.53	39.67	40.37
25[a]	40.78	40.78	40.78	40.92	40.92	41.62	42.32	42.18	41.90	41.34	39.94	39.38	38.96	39.38	39.66
26	40.77	40.77	40.91	41.05	41.19	42.17	42.73	42.59	42.17	41.47	41.05	40.49	40.63	40.77	40.63
27	40.76	40.76	40.76	40.76	41.04	42.16	42.58	42.86	42.02	40.76	39.64	38.94	38.66	39.36	40.48
28	40.76	40.90	41.04	41.32	41.88	42.86	43.56	42.86	41.60	40.48	39.64	39.36	39.36	39.64	39.92
29	40.77	40.77	40.77	40.77	41.33	42.73	43.57	43.43	42.59	41.33	39.51	38.25	38.25	38.67	39.37
30	40.50	40.64	40.78	40.78	41.06	41.90	42.32	42.18	41.62	40.64	39.52	39.24	39.24	39.24	39.80
Mean	40.94	41.10	41.27	41.36	41.49	42.11	42.61	42.56	42.03	41.10	40.25	39.71	39.55	39.82	40.12
Mean[a]	40.92	41.04	41.18	41.26	41.40	41.93	42.69	42.91	42.27	41.40	40.62	39.83	39.55	39.83	40.11

[a] Five international quiet days.

HOURLY VALUES OF DECLINATION.

MAY, 1911.

0° East plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
41.37	41.65	41.51	41.37	41.23	41.22	41.22	41.21	41.20	41.30	7 30	43.18	12 30	39.69	3.49	1
40.19	41.61	41.47	41.33	41.47	41.33	41.33	41.33	41.33	41.39	9 00	43.30	14 00	39.79	3.51	2
40.75	41.16	41.16	41.16	41.16	41.16	41.02	41.16	41.16	41.07	8 00	42.16	14 00	39.91	2.25	3
40.02	40.86	41.14	41.28	41.28	41.28	41.28	41.14	41.14	41.13	7 37	42.27	14 00	39.74	2.53	4
40.57	40.98	41.12	41.12	41.12	41.12	41.12	41.26	41.40	40.62	8 00	42.53	12 50	37.21	5.32	5
40.54	41.24	41.24	41.24	41.10	41.10	41.10	41.10	41.24	41.04	7 00	42.65	13 00	38.73	3.92	6
39.40	40.10	40.24	40.24	40.38	40.52	40.66	40.80	41.36	40.50	7 00	42.63	12 00	37.73	4.90	7
41.20	41.62	41.48	41.20	41.06	41.06	41.06	41.06	41.06	41.10	8 00	42.75	11 37	39.39	3.36	8
41.46	41.74	41.32	41.18	41.04	40.90	40.90	40.90	40.90	40.81	6 54	41.89	11 48	38.53	3.36	9
40.74	41.16	41.16	41.02	41.02	40.88	40.88	40.88	40.88	40.70	7 00	42.57	11 27	38.23	4.34	10
41.00	41.42	41.14	40.86	40.58	40.58	40.72	41.28	41.42	41.16	7 00	43.39	12 12	39.46	3.93	11
40.84	41.96	41.40	41.12	40.98	40.84	40.70	40.70	40.70	40.78	7 00	42.67	11 42	38.47	4.20	12
40.74	41.44	41.02	40.60	40.61	40.47	40.47	40.61	40.75	40.79	8 00	43.24	13 00	38.35	4.89	13
39.95	40.23	40.79	40.52	40.38	40.38	40.52	40.66	40.80	40.72	8 00	43.43	13 45	38.69	4.74	14
39.86	40.42	40.42	40.70	40.57	40.57	40.71	40.85	40.99	40.40	7 00	43.90	13 00	37.19	6.71	15
39.63	40.20	40.20	40.20	40.34	40.49	40.91	41.19	41.19	40.65	8 00	42.69	14 00	38.09	4.60	16
40.39	40.95	40.81	40.67	40.67	40.82	41.09	40.96	41.10	41.03	7 17	42.75	13 00	39.54	3.21	17
40.44	40.86	40.86	41.14	41.01	40.87	41.15	41.15	41.29	41.31	8 30	43.08	13 10	40.15	2.93	18
40.49	41.19	41.19	41.05	41.06	41.06	41.06	41.06	41.20	40.91	7 50	42.57	12 34	38.80	3.77	19
40.54	40.68	40.97	40.83	40.97	41.11	41.40	41.40	41.40	41.23	8 00	43.46	13 00	39.69	3.77	20
40.60	40.88	40.88	41.03	40.89	40.89	41.03	41.03	41.17	41.41	8 00	43.66	11 54	40.31	3.35	21
40.93	41.21	41.07	40.94	40.94	40.94	40.94	40.94	40.94	41.23	7 00	42.89	12 00	39.94	2.95	22
40.97	41.26	40.84	40.70	40.56	40.57	40.57	40.71	40.99	41.21	9 00	43.20	13 30	40.13	3.07	23
41.73	42.01	41.31	41.31	40.75	40.89	41.03	41.17	41.31	41.33	7 00	43.11	12 00	40.32	2.79	24
42.18	42.04	41.90	41.20	41.06	40.92	41.20	41.06	41.34	41.66	6 40	42.88	11 48	40.78	2.10	25
40.50	40.64	40.64	40.78	40.92	40.64	40.64	40.92	41.06	41.04	7 00	43.58	12 00	38.82	4.76	26
41.63	42.33	41.77	41.35	41.21	41.07	40.93	40.93	40.93	41.13	7 00	43.17	12 00	39.11	4.06	27
40.66	40.94	40.94	40.94	40.94	40.80	40.80	40.94	41.08	41.02	7 20	43.60	12 00	38.70	4.90	28
40.67	41.09	40.95	40.95	41.09	41.09	41.09	41.09	41.09	41.06	7 00	43.19	13 00	39.13	4.06	29
40.82	40.96	41.10	41.24	41.38	41.24	41.10	41.10	41.10	41.25	8 00	43.48	12 24	39.14	4.34	30
40.55	40.83	40.69	40.84	40.98	40.98	40.98	40.98	41.12	41.07	6 49	43.63	13 11	38.59	5.04	31
40.69	41.15	41.06	40.97	40.93	40.90	40.96	41.02	41.12	41.03	----------	43.02	----------	39.11	3.91	--------
40.96	41.43	41.21	41.10	40.96	40.96	40.99	41.01	41.07	41.16	----------	42.94	----------	39.61	3.33	--------

JUNE, 1911.

0° East plus tabular quantities.

′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
39.45	40.29	40.43	40.57	40.71	40.71	40.57	40.85	40.99	40.74	6 00	42.53	12 32	38.61	3.92	1
40.72	40.86	40.86	40.72	40.72	40.72	40.72	40.72	40.86	41.26	8 00	43.24	13 00	40.30	2.94	2
40.87	41.01	41.01	40.87	40.87	40.87	40.87	40.87	40.87	41.21	8 00	42.83	14 39	40.45	2.38	3
40.18	40.46	40.74	40.60	40.32	40.18	40.32	40.32	40.74	40.76	6 19	43.12	14 00	38.92	4.20	4
41.73	42.01	41.45	40.75	40.75	40.75	40.75	40.75	40.75	41.36	3 51	42.99	14 40	40.47	2.52	5
40.62	40.76	40.76	40.76	40.62	40.62	40.48	40.62	40.76	40.84	7 00	42.16	13 00	39.22	2.94	6
40.21	40.77	40.77	40.77	40.77	40.77	40.77	40.91	41.05	41.00	8 00	42.45	15 15	39.65	2.80	7
41.35	41.07	40.51	40.79	40.79	40.93	40.93	40.93	40.93	41.13	6 28	42.89	13 00	39.95	2.94	8
41.22	40.80	40.38	40.52	40.66	40.80	40.80	40.80	40.80	40.98	7 00	42.34	12 00	39.82	2.52	9
40.67	40.81	40.81	40.81	40.81	40.81	40.67	40.95	41.09	40.96	6 00	42.35	12 00	39.27	3.08	10
40.82	40.82	41.10	41.10	40.82	40.82	40.82	40.82	40.96	41.16	7 05	43.62	12 30	38.58	5.04	11
40.83	41.11	41.25	40.97	40.97	40.83	40.83	40.83	40.83	40.98	7 00	42.51	11 48	39.29	3.22	12
40.42	40.70	40.84	40.98	40.84	40.84	40.84	40.84	40.98	41.06	7 50	42.66	13 00	39.02	3.64	13
39.31	40.57	40.71	40.99	40.85	40.85	40.85	40.85	40.85	41.13	8 15	43.79	15 00	39.03	4.76	14
40.17	40.73	40.73	40.87	41.01	41.01	40.87	40.87	40.87	41.17	7 18	43.10	15 14	39.60	3.50	15
40.31	40.87	41.01	40.87	40.87	40.73	40.59	40.73	41.01	40.93	7 00	42.83	12 00	39.05	3.78	16
40.58	40.86	40.86	40.86	40.86	40.86	40.86	40.86	40.86	40.93	8 00	42.68	13 00	39.18	3.50	17
40.99	41.27	40.85	40.71	40.71	40.85	40.85	40.85	40.85	41.20	8 00	43.65	13 00	39.45	4.20	18
40.14	40.70	40.70	40.56	40.56	40.70	40.84	40.84	40.98	40.96	8 00	43.22	12 16	39.44	3.78	19
40.83	40.83	40.69	40.55	40.55	40.55	40.55	40.55	40.69	40.74	7 51	42.37	11 40	38.42	3.95	20
40.54	40.82	40.68	40.68	40.82	40.54	40.40	40.82	40.82	40.83	8 00	43.34	12 00	39.28	4.06	21
40.11	40.39	40.81	40.95	40.67	40.53	40.53	40.53	40.67	40.73	7 00	42.21	13 00	39.55	2.66	22
40.80	40.94	41.08	40.94	40.80	40.52	40.52	40.66	40.66	40.75	7 00	41.64	11 00	39.82	1.82	23
40.93	41.21	40.93	40.79	40.79	40.65	40.65	40.65	40.79	40.80	7 00	42.47	11 28	39.25	3.22	24
40.64	41.20	41.48	41.06	40.92	40.78	40.78	40.78	40.78	40.80	7 00	42.32	13 00	38.96	3.36	25
41.05	41.61	41.05	40.91	40.77	40.77	40.77	40.77	40.77	41.16	7 00	42.73	12 00	40.49	2.24	26
40.62	41.46	41.32	40.76	40.76	40.76	40.76	40.76	40.76	40.81	8 00	42.86	12 33	38.38	4.48	27
40.34	40.76	40.90	40.62	40.48	40.48	40.48	40.48	40.48	40.62	7 00	43.56	12 54	39.22	4.34	28
40.63	40.91	40.77	40.77	40.49	40.35	40.35	40.35	40.35	40.85	7 00	43.57	12 21	37.83	5.74	29
40.64	40.78	40.78	40.50	40.36	40.36	40.36	40.36	40.59	40.71	7 00	42.32	12 33	39.10	3.22	30
40.59	40.91	40.88	40.79	40.73	40.70	40.68	40.73	40.82	40.95	----------	42.81	----------	39.32	3.49	--------
40.64	41.01	40.98	40.81	40.78	40.81	40.84	40.84	40.87	41.02	----------	42.94	----------	39.50	3.44	--------

HOURLY VALUES OF DECLINATION.

JULY, 1911. 0° East plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	40.79	40.79	40.93	40.93	40.93	41.77	43.31	44.15	44.29	43.03	41.77	40.51	39.53	39.39	39.67
2	40.66	40.94	41.08	41.22	41.08	41.22	41.50	41.64	41.22	40.80	40.38	39.96	40.10	40.24	40.52
3	40.53	40.81	40.81	40.81	40.81	40.67	40.95	41.23	41.23	41.09	40.67	39.97	39.83	39.69	40.25
4	40.68	40.82	40.82	40.68	40.82	41.38	42.22	42.22	41.80	41.38	40.82	40.40	40.12	39.70	39.56
5	40.55	40.69	40.83	40.97	40.97	41.11	41.53	42.23	42.09	41.39	40.97	40.41	39.71	39.99	40.41
6	40.56	40.70	40.70	40.84	40.98	41.54	41.82	41.54	41.26	41.26	40.14	39.72	39.58	39.72	40.00
7	40.99	41.27	41.55	41.97	42.11	42.39	42.25	42.25	41.97	40.99	39.87	39.45	39.45	40.29	40.71
8	41.14	41.56	41.84	41.98	42.12	42.40	42.54	42.40	41.98	40.72	39.60	39.46	39.32	39.46	39.74
9	40.87	41.15	41.43	41.57	41.85	42.41	42.83	42.55	42.27	41.99	40.59	39.33	39.19	39.19	39.47
10	40.88	40.88	40.88	40.88	41.02	41.58	42.14	42.28	41.90	41.20	40.25	39.40	39.00	39.25	40.10
11	41.03	41.17	41.17	41.31	42.01	43.41	43.69	42.57	41.17	40.61	39.49	38.65	38.37	38.93	39.49
12	40.89	41.03	41.17	41.17	41.59	42.57	43.13	43.55	42.80	40.90	40.06	39.50	38.66	38.52	39.08
13[a]	40.64	40.92	41.20	41.34	41.20	41.76	42.04	42.74	42.18	41.20	39.94	39.10	38.68	39.10	39.66
14[a]	40.81	40.95	41.09	41.23	41.37	42.07	42.63	42.91	42.08	41.38	40.26	39.84	39.56	39.42	39.28
15[a]	40.84	40.98	40.98	40.98	40.98	41.40	41.96	41.83	40.99	40.01	39.03	38.75	38.75	38.61	38.75
16[a]	40.73	40.87	41.01	41.01	41.15	41.71	42.27	42.56	42.56	41.86	39.90	38.92	38.50	38.36	39.20
17	41.04	41.18	41.18	41.04	41.04	42.02	42.86	43.84	43.57	42.31	41.33	40.63	39.65	39.65	40.21
18	41.07	41.07	41.21	41.21	41.49	42.19	41.77	41.63	41.35	40.93	40.23	39.81	39.82	40.23	40.80
19	40.95	40.95	41.09	41.09	41.23	41.93	42.49	42.36	41.80	41.09	39.98	39.00	39.14	39.28	39.98
20	40.70	40.84	40.98	41.12	41.12	41.12	41.26	41.26	40.99	40.28	40.14	39.86	39.72	39.72	40.14
21	41.01	41.15	41.15	41.15	41.15	41.85	42.55	42.56	42.14	41.16	40.04	39.76	39.90	40.74	41.16
22	41.04	41.18	41.32	41.46	41.60	41.88	42.72	43.14	41.89	41.05	40.49	39.79	39.65	39.79	40.76
23	40.93	41.21	41.21	41.21	41.21	42.05	42.61	42.62	41.92	41.08	40.80	39.82	39.54	39.96	41.08
24	41.10	41.24	41.38	41.38	41.66	41.94	41.38	41.11	40.69	40.69	40.41	40.83	40.97	40.97	41.25
25	41.41	41.55	41.69	41.69	41.69	42.53	42.95	42.81	41.27	40.29	39.87	38.33	38.48	39.60	40.02
26[a]	41.15	41.29	41.29	41.29	41.29	41.85	42.97	42.69	41.29	40.17	39.05	37.93	38.35	38.77	39.33
27	41.15	41.15	41.15	41.15	41.29	41.57	42.98	42.98	42.42	40.46	39.48	38.50	38.51	38.65	40.05
28	41.19	41.19	41.33	41.47	41.47	42.31	42.04	41.48	39.80	38.54	38.40	37.84	38.41	38.55	38.55
29	41.09	41.09	40.95	41.51	41.23	41.65	42.36	42.64	41.66	40.96	39.98	38.58	38.45	38.59	39.71
30	40.85	40.85	40.99	40.99	41.13	42.11	42.67	42.68	41.42	40.02	39.74	39.46	38.76	38.76	38.90
31	41.02	41.02	41.02	41.02	41.16	41.58	42.57	42.71	42.57	41.45	40.19	39.35	38.93	39.64	40.20
Mean	40.91	41.05	41.14	41.22	41.31	41.87	42.35	42.42	41.81	40.98	40.12	39.45	39.25	39.44	39.94
Mean[a]	40.83	41.00	41.11	41.17	41.20	41.76	42.37	42.55	41.82	40.92	39.64	38.91	38.77	38.85	39.24

AUGUST, 1911. 0° East plus tabular quantities.

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	40.92	41.06	41.06	41.06	41.20	41.48	42.19	42.61	41.49	40.79	40.23	39.82	40.10	39.96	40.38
2	40.96	41.10	41.10	41.10	41.24	41.52	42.22	42.64	41.53	40.55	39.71	38.73	39.16	39.44	40.14
3	40.86	41.00	41.14	41.28	41.28	41.85	42.82	42.83	41.57	40.17	39.47	39.33	39.89	40.46	41.02
4	41.18	41.32	41.46	41.46	41.46	41.88	42.72	42.72	41.75	40.78	40.21	39.79	38.81	38.95	40.07
5	40.93	41.21	41.35	41.35	41.63	42.75	42.76	41.78	41.50	40.66	40.10	39.82	39.27	39.55	39.83
6	41.25	41.53	41.53	41.53	41.67	43.21	44.34	43.22	41.96	40.28	39.16	38.60	38.89	39.31	40.15
7[a]	41.15	41.15	41.29	41.43	41.57	42.88	43.12	42.42	41.72	41.16	40.18	39.62	39.63	39.49	40.33
8[a]	41.19	41.33	41.33	41.33	41.61	42.87	43.43	43.15	41.48	39.38	38.40	37.70	38.12	38.54	39.80
9	41.22	41.36	41.36	41.50	41.64	43.18	44.31	44.73	42.91	40.39	39.13	38.29	38.02	38.72	39.56
10[a]	41.12	41.40	41.40	41.54	41.54	42.80	43.08	42.80	41.82	40.42	39.16	38.74	38.88	39.72	40.42
11[a]	40.84	40.98	41.12	41.26	41.40	41.96	43.50	43.64	42.52	40.56	39.16	38.32	38.18	38.61	39.17
12	41.28	41.28	41.42	41.56	41.84	42.96	43.52	43.52	42.26	40.86	40.02	39.04	39.47	39.61	40.17
13	40.74	40.74	40.88	41.02	41.16	42.00	43.12	43.26	41.44	39.06	38.36	38.08	38.23	39.21	40.33
14	40.76	40.76	40.90	41.04	41.32	42.16	43.56	43.28	41.61	40.48	39.78	39.36	38.95	39.37	40.49
15	40.78	40.92	41.06	41.20	41.48	41.62	42.60	42.88	42.04	41.06	39.66	39.38	39.39	39.53	39.81
16	40.94	41.08	41.22	41.50	41.50	41.64	42.20	42.48	41.92	40.66	40.39	39.55	40.39	40.96	41.79
17	40.83	40.97	40.97	41.39	41.81	42.23	42.79	42.23	41.67	40.41	39.43	39.01	38.74	39.44	40.28
18	40.85	40.99	41.13	41.13	41.55	42.25	42.95	42.67	41.83	40.71	39.87	39.73	39.74	40.30	40.44
19	40.73	40.73	40.87	41.01	41.15	42.13	42.69	40.87	40.17	38.77	37.79	38.21	39.20	39.76	40.60
20	40.89	41.31	41.59	41.59	41.73	42.01	42.01	41.03	39.35	37.95	37.39	37.53	37.68	38.24	39.36
21	40.91	41.05	41.33	41.47	41.47	42.17	42.87	42.73	41.89	41.33	40.63	39.65	39.37	39.80	40.36
22	40.93	40.93	40.93	40.93	41.07	41.91	42.05	40.93	39.25	38.13	37.85	37.99	38.56	39.26	39.68
23	40.95	40.95	41.09	41.23	41.37	42.21	43.75	43.75	42.77	41.37	39.55	38.99	39.00	39.42	39.70
24	40.97	41.67	41.11	41.67	40.97	41.81	42.65	42.23	41.25	40.27	39.15	38.59	38.60	39.30	39.72
25	40.71	40.71	40.71	40.99	41.27	42.25	43.09	42.69	40.57	39.31	37.91	36.65	36.80	37.92	39.18
26	40.73	40.87	41.01	41.43	41.57	42.83	43.67	43.53	42.27	40.73	39.33	38.63	38.64	39.62	40.74
27	40.75	40.75	40.75	40.75	40.89	41.03	42.43	43.13	42.15	40.75	39.08	38.24	37.97	38.67	40.07
28	40.79	40.79	40.79	40.93	41.49	42.19	42.89	43.31	40.93	39.25	37.99	37.71	37.85	38.13	39.25
29[a]	40.79	40.79	40.79	40.79	40.79	41.07	42.19	43.03	42.19	41.63	40.79	39.81	38.97	38.13	38.69
30	40.65	40.65	40.79	40.79	40.79	41.77	43.59	43.73	42.89	41.49	40.37	39.39	39.25	39.39	40.09
31	40.51	40.51	40.79	40.79	40.79	40.93	41.77	42.33	42.05	40.51	39.39	38.69	38.69	39.25	39.53
Mean	40.91	41.03	41.11	41.23	41.36	42.11	42.93	42.78	41.64	40.32	39.34	38.81	38.85	39.29	40.04
Mean[a]	41.02	41.13	41.19	41.27	41.38	42.31	43.06	43.01	41.95	40.63	39.54	38.84	38.76	38.90	39.68

[a] Five international quiet days.

HOURLY VALUES OF DECLINATION.

JULY, 1911.

0° East plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
39.81	39.67	40.09	40.09	40.09	40.23	40.23	40.37	40.37	40.95	9 00	44.29	14 00	39.39	4.90	1
40.80	40.66	40.52	40.38	40.10	40.10	40.24	40.38	40.38	40.67	8 00	41.64	12 00	39.96	1.68	2
40.67	40.67	40.67	40.67	40.67	40.53	40.25	40.39	40.39	40.59	9 18	41.37	14 00	39.69	1.68	3
39.70	39.98	39.83	40.40	40.26	40.26	40.40	40.40	40.40	40.63	7 21	42.36	15 00	39.56	2.80	4
40.41	40.41	40.55	40.41	40.27	40.27	40.27	40.41	40.41	40.72	8 00	42.23	13 20	39.57	2.66	5
40.56	40.42	40.84	40.84	40.56	40.42	40.70	40.70	40.70	40.67	7 00	41.82	13 00	39.58	2.24	6
40.85	40.99	40.99	40.85	40.71	40.71	40.57	40.85	40.99	41.04	6 00	42.39	12 28	39.17	3.22	7
40.02	40.30	40.86	40.86	40.72	40.54	40.54	40.72	40.86	40.90	6 34	42.82	13 00	39.32	3.50	8
40.45	40.87	41.01	40.87	40.87	40.73	40.73	40.73	40.73	40.99	7 00	42.83	12 32	39.05	3.78	9
40.60	41.15	41.25	41.15	40.88	40.74	40.74	40.74	40.88	40.82	8 00	42.28	13 00	39.00	3.28	10
40.33	41.17	41.03	40.89	40.75	40.61	40.47	40.61	40.75	40.82	7 00	43.69	12 45	38.23	5.46	11
39.78	40.34	40.48	40.62	40.48	40.48	40.48	40.62	40.62	40.75	7 37	43.69	14 00	38.52	5.17	12
40.22	40.78	40.50	40.36	40.36	40.36	40.36	40.36	40.50	40.65	8 00	42.74	13 00	38.68	4.06	13
39.70	40.55	40.55	40.41	40.41	40.27	40.41	40.55	40.55	40.76	8 00	42.91	15 00	39.28	3.63	14
39.17	40.02	40.86	40.86	40.58	40.58	40.58	40.58	40.72	40.37	7 00	41.96	14 00	38.61	3.35	15
39.76	40.61	40.75	40.61	40.47	40.61	40.75	40.75	40.89	40.66	8 30	42.70	14 00	38.36	4.34	16
41.05	40.91	41.06	40.36	40.22	40.22	40.36	40.36	40.64	41.11	8 00	43.84	13 18	39.51	4.33	17
40.80	40.94	40.67	40.81	40.81	40.81	40.81	40.81	40.81	40.92	6 00	42.19	12 21	39.67	2.52	18
40.68	40.97	40.83	40.69	40.69	40.55	40.41	40.55	40.69	40.77	7 00	42.49	12 30	38.86	3.63	19
40.99	41.14	41.00	40.86	40.72	40.72	40.72	40.86	40.86	40.71	6 48	41.40	12 36	39.58	1.82	20
41.16	41.03	41.89	41.75	41.61	41.61	41.75	41.75	41.89	41.04	7 30	42.69	12 00	39.76	2.93	21
41.47	41.47	41.20	40.78	40.78	40.78	40.64	40.64	40.78	41.10	8 00	43.14	13 00	39.65	3.49	22
41.92	42.07	41.51	41.37	41.23	41.09	41.09	40.95	40.95	41.23	7 00	42.61	13 00	39.54	3.07	23
41.53	41.39	41.12	40.98	40.84	40.98	41.12	41.26	41.26	41.14	5 40	42.08	11 00	40.41	1.67	24
41.28	41.56	41.14	40.86	40.86	41.00	41.00	41.00	41.00	41.00	7 00	42.95	12 00	38.33	4.62	25
39.89	40.59	40.45	40.59	40.59	40.45	40.59	40.73	40.87	40.56	7 00	42.97	12 00	37.93	5.04	26
41.31	41.45	41.45	41.04	40.90	40.90	40.62	40.76	40.90	40.87	7 30	43.12	13 00	38.37	4.75	27
39.67	40.65	40.93	40.38	40.38	40.66	40.38	40.38	40.94	40.29	6 20	42.45	12 00	37.84	4.61	28
40.27	41.39	41.40	41.12	40.98	40.98	40.56	40.42	40.98	40.77	8 00	42.64	13 00	38.45	4.19	29
39.60	40.16	40.31	40.31	40.31	40.73	40.73	40.73	40.59	40.53	7 35	42.81	13 45	38.62	4.19	30
40.34	40.76	41.04	40.77	40.63	40.49	40.63	40.77	40.77	40.86	8 00	42.71	13 00	38.93	3.78	31
40.48	40.81	40.86	40.74	40.64	40.63	40.62	40.68	40.78	40.80	----------	42.64	----------	39.08	3.56	--------
39.75	40.51	40.62	40.57	40.48	40.45	40.54	40.59	40.71	40.60	----------	42.65	----------	38.57	4.08	--------

AUGUST, 1911.

0° East plus tabular quantities.

′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
40.66	41.36	41.22	40.95	40.81	40.81	40.81	40.81	40.81	40.94	8 00	42.61	12 00	39.82	2.79	1
40.84	41.12	40.56	40.43	40.43	40.43	40.57	40.57	40.57	40.69	8 00	42.64	12 00	38.73	3.91	2
41.02	40.88	41.02	40.75	40.47	40.47	40.61	40.61	40.89	40.90	7 22	42.97	12 00	39.33	3.64	3
40.35	40.78	41.34	40.64	40.50	40.50	40.64	40.78	40.78	40.87	6 28	42.86	13 00	38.81	4.05	4
40.39	41.23	41.23	41.09	40.68	40.68	40.68	40.68	40.82	40.92	6 30	42.89	13 00	39.27	3.62	5
40.57	40.85	40.99	40.86	40.86	40.86	41.00	41.00	41.14	41.03	7 00	44.34	12 00	38.60	5.74	6
40.89	41.45	41.31	41.04	40.90	40.90	40.90	41.04	41.18	41.11	7 00	43.12	14 00	39.49	3.63	7
40.93	41.21	41.21	40.93	40.93	40.93	40.93	40.93	41.21	40.79	7 00	43.43	12 00	37.70	5.73	8
40.40	40.96	40.82	40.69	40.69	40.83	40.83	40.83	40.97	40.97	8 00	44.73	13 00	38.02	6.71	9
41.12	41.12	40.70	40.56	40.56	40.56	40.56	40.70	40.70	40.89	7 26	43.22	12 00	38.74	4.48	10
39.87	40.57	40.71	40.85	40.85	40.85	40.85	40.99	41.13	40.75	8 00	43.64	12 30	37.90	5.74	11
40.45	40.59	40.59	40.59	40.59	40.59	40.73	40.73	40.73	41.02	7 30	43.66	12 00	39.04	4.62	12
41.31	41.87	40.75	40.75	40.75	40.61	40.61	40.75	40.75	40.66	8 00	43.26	12 00	38.08	5.18	13
41.75	41.75	41.19	41.05	41.33	40.91	40.91	40.77	40.77	41.01	7 00	43.56	13 00	38.95	4.61	14
40.51	41.21	41.21	40.93	40.79	40.79	40.79	40.79	40.79	40.88	8 00	42.88	11 20	39.24	3.64	15
42.21	41.93	41.09	40.96	40.82	40.82	40.82	40.82	40.82	41.19	8 00	42.48	12 00	39.55	2.93	16
40.84	41.12	41.12	40.70	40.70	40.70	40.70	40.84	40.84	40.82	7 00	42.79	13 00	38.74	4.05	17
41.00	41.00	40.72	40.58	40.58	40.58	40.58	40.58	40.72	40.94	7 00	42.95	12 30	39.59	3.36	18
41.02	41.16	41.02	40.88	40.88	40.88	40.74	40.74	41.02	40.55	7 00	42.69	11 00	37.79	4.90	19
40.34	40.76	40.62	40.62	40.76	40.62	40.62	40.76	40.90	40.24	6 25	42.15	11 00	37.39	4.76	20
40.64	40.64	40.64	40.64	40.64	40.64	40.78	40.78	40.92	40.97	7 00	42.87	13 00	39.37	3.50	21
40.52	40.66	40.66	40.66	40.66	40.66	40.66	40.66	40.66	40.26	7 00	42.05	11 00	37.85	4.20	22
40.67	41.80	41.38	40.82	40.40	40.26	40.96	39.98	40.68	40.96	7 24	43.89	12 39	38.85	5.04	23
40.84	42.10	41.82	40.84	40.70	40.70	40.56	40.56	40.56	40.78	7 00	42.65	12 32	38.31	4.34	24
40.44	40.72	40.72	40.72	40.72	40.72	40.58	40.58	40.58	40.27	7 00	43.09	12 20	36.51	6.58	25
40.88	41.15	40.74	40.74	40.74	40.74	40.74	40.46	40.74	40.94	7 00	43.67	12 50	38.49	5.18	26
41.05	42.03	41.89	41.61	41.47	40.92	40.78	40.78	40.78	40.78	8 00	43.13	13 00	37.97	5.16	27
40.79	41.07	40.93	40.79	40.65	40.65	40.51	40.65	40.65	40.46	8 00	43.31	12 00	37.71	5.60	28
39.95	40.65	40.79	40.65	40.65	40.65	40.65	40.65	40.65	40.66	8 00	43.03	14 00	38.13	4.90	29
40.51	40.51	40.65	40.79	40.79	40.79	40.51	40.51	40.51	40.88	8 00	43.73	13 00	39.25	4.48	30
40.51	40.93	40.79	40.65	40.65	40.79	40.79	40.79	40.79	40.55	8 00	42.33	12 10	38.55	3.78	31
40.75	41.13	40.98	40.80	40.74	40.70	40.72	40.71	40.81	40.80	----------	43.11	----------	38.57	4.54	--------
40.55	41.00	40.94	40.81	40.78	40.78	40.78	40.86	40.97	40.84	----------	43.29	----------	38.39	4.90	--------

HOURLY VALUES OF DECLINATION.

SEPTEMBER, 1911. 0° East plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	40.94	40.94	40.94	40.94	41.08	42.06	42.06	41.50	40.66	39.82	39.26	38.28	38.28	39.26	40.10
2[a]	40.81	40.81	40.81	40.95	40.95	42.21	42.21	41.09	39.69	38.29	37.87	38.01	38.29	39.41	
3[a]	40.68	40.68	40.68	40.82	41.10	41.66	42.78	42.36	41.24	40.40	38.72	38.30	38.58	39.28	40.12
4	40.83	40.83	40.83	40.83	40.97	41.53	42.09	41.39	40.55	39.43	38.73	38.31	38.31	39.15	40.13
5	40.84	40.98	40.98	40.98	41.12	41.12	41.96	42.38	41.68	40.70	40.00	39.02	38.74	39.30	40.28
6	41.13	41.13	41.13	41.41	41.55	42.11	42.67	42.25	41.55	40.99	40.15	39.59	39.17	39.31	39.87
7	41.14	41.14	41.14	41.14	41.14	41.70	42.54	42.26	41.00	39.74	38.48	38.34	38.06	38.34	39.18
8	40.87	40.87	40.87	40.87	41.01	41.15	41.57	42.27	42.27	41.15	40.59	39.61	39.75	39.75	40.59
9	40.88	41.02	41.16	41.16	41.16	41.16	42.28	42.56	42.00	40.60	39.34	38.22	38.36	39.34	39.76
10	41.03	41.03	41.17	41.17	41.31	41.73	42.29	42.29	41.59	41.61	40.19	38.65	38.37	39.63	40.61
11	41.04	41.04	41.18	41.32	41.32	42.30	43.28	42.30	39.78	38.38	37.96	36.70	36.84	37.82	39.36
12	41.33	41.19	41.05	41.05	40.91	41.89	42.73	43.15	41.19	39.51	38.39	37.33	38.25	38.81	39.65
13	41.19	41.19	41.19	41.05	41.05	41.89	42.31	42.45	41.33	40.77	39.23	38.39	38.11	38.81	39.37
14[a]	40.91	40.91	40.77	40.91	40.91	41.61	42.87	43.57	42.03	41.33	39.93	38.67	38.25	38.81	39.79
15	40.90	40.90	40.90	40.90	40.90	41.04	42.02	41.60	40.62	39.78	39.22	38.38	38.38	38.38	39.78
16	40.89	41.03	41.03	41.03	41.03	41.59	42.15	42.29	40.89	39.91	39.07	38.79	38.23	39.63	41.03
17	40.88	41.16	41.58	41.44	41.16	41.86	42.00	41.86	40.74	39.76	39.20	38.36	38.36	39.48	39.76
18	40.87	40.87	41.01	40.87	41.15	41.29	42.27	41.85	40.87	40.45	39.89	39.47	39.33	39.75	40.87
19	40.86	40.86	41.28	41.56	41.28	41.42	41.98	41.70	41.28	40.58	40.02	39.04	38.90	39.46	40.58
20	40.86	40.86	41.14	41.00	40.86	41.14	41.98	41.14	39.46	38.76	39.04	39.18	39.32	40.30	41.42
21	40.71	40.71	40.85	40.85	40.85	41.27	41.83	40.99	39.87	39.45	39.31	39.17	39.45	40.57	41.27
22	40.42	40.56	40.70	40.70	40.84	40.98	41.12	40.70	38.88	38.32	38.18	38.74	39.30	40.14	40.84
23	40.55	40.83	40.83	40.83	40.83	41.11	41.81	41.53	40.97	40.13	39.71	39.57	39.43	40.13	41.11
24	40.54	40.68	40.54	40.40	40.54	41.10	42.08	41.66	40.68	39.56	39.14	38.72	38.30	39.14	39.84
25[a]	40.81	40.81	40.95	40.95	40.95	41.23	42.91	43.61	43.19	41.93	39.69	38.29	38.01	39.13	39.97
26[a]	40.52	40.52	40.38	40.38	40.38	41.22	42.06	42.62	41.78	40.52	39.68	38.84	38.70	38.98	39.40
27	40.66	40.66	40.52	40.66	40.66	41.08	42.06	42.62	41.92	40.52	39.54	38.98	38.56	39.40	39.68
28	40.80	40.80	40.94	40.94	40.94	41.08	41.78	42.20	41.50	40.94	40.38	39.40	39.26	39.40	40.52
29	40.83	40.83	40.83	40.97	40.97	41.11	41.11	40.83	40.28	39.72	38.88	38.74	39.02	40.00	40.84
30	40.86	41.00	41.00	41.14	41.14	41.28	41.42	41.28	40.45	40.03	39.47	39.61	40.17	40.73	41.29
Mean	40.85	40.89	40.95	40.97	41.00	41.42	42.14	42.05	41.04	40.15	39.32	38.70	38.66	39.35	40.21
Mean[a]	40.75	40.75	40.72	40.80	40.86	41.33	42.57	42.87	41.87	40.77	39.26	38.39	38.31	38.90	39.74

OCTOBER, 1911. 0° East plus tabular quantities.

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1[a]	40.89	41.03	41.03	41.03	40.89	41.45	42.01	42.01	41.46	40.90	40.34	40.06	40.20	40.34	40.62
2	40.92	41.06	41.06	41.06	40.92	41.34	41.90	41.76	41.77	41.64	41.50	40.37	39.95	40.09	40.79
3	41.09	41.37	41.37	41.23	40.95	41.09	41.23	41.23	40.68	40.12	39.84	39.56	39.98	40.26	41.24
4	40.98	40.98	40.98	40.98	40.84	40.98	41.54	41.40	40.56	39.86	39.30	39.44	40.00	40.57	40.99
5[a]	41.00	41.14	41.28	41.42	41.28	41.14	41.56	41.42	40.72	40.58	40.44	40.02	40.30	40.58	40.72
6	41.03	41.03	41.03	41.03	41.03	41.03	41.45	41.87	41.32	40.62	40.34	40.48	40.62	41.04	41.73
7	41.34	41.34	41.34	41.34	41.20	41.20	41.34	41.20	40.79	39.95	39.67	39.67	40.65	41.21	42.33
8	41.09	41.23	41.09	41.09	41.09	41.09	41.23	41.37	40.96	39.70	39.00	39.00	39.84	41.10	42.08
9	41.12	41.12	41.12	41.12	41.12	41.26	41.26	41.26	40.56	39.72	39.44	39.72	40.00	41.13	42.25
10	41.14	41.14	41.28	41.28	41.14	41.56	41.98	42.12	41.70	40.86	40.58	40.02	40.30	41.14	42.26
11	41.43	42.27	42.41	42.13	41.85	41.99	41.15	40.73	40.45	39.75	39.33	39.61	40.31	40.88	41.58
12	41.03	41.03	40.89	40.89	40.75	40.61	40.89	42.01	41.59	40.47	39.77	39.35	39.77	40.19	40.75
13	40.90	40.76	40.90	40.76	40.76	40.90	41.60	42.44	42.16	41.46	40.20	39.92	39.79	40.34	41.05
14	41.06	41.06	41.06	41.06	40.92	40.92	41.34	41.62	41.20	40.92	40.22	39.94	40.08	40.36	40.78
15[a]	40.65	40.65	40.65	40.65	40.65	40.51	40.37	40.65	40.51	40.51	40.51	40.23	40.09	40.37	40.65
16	40.67	40.81	40.95	40.95	40.95	40.95	40.81	40.67	40.39	40.25	40.11	40.39	40.67	40.95	41.23
17	42.36	42.22	42.22	42.08	42.08	41.94	41.80	41.80	41.66	41.66	41.66	41.80	42.22	42.92	42.78
18	42.10	42.38	42.66	42.52	42.38	41.82	41.12	40.56	39.86	39.86	40.00	40.70	41.26	41.68	41.96
19	41.46	41.60	40.99	40.43	40.99	40.71	40.85	40.71	39.87	39.17	38.61	39.17	39.31	40.44	41.56
20	41.15	41.29	41.29	41.29	41.29	41.43	41.57	41.57	40.87	40.17	39.89	40.03	40.45	41.29	41.85
21	41.02	41.02	41.02	40.88	41.16	41.02	41.86	41.72	41.02	40.46	39.76	40.02	40.30	40.58	41.56
22	40.86	41.00	40.86	40.72	41.00	41.14	41.28	41.56	41.00	40.72	40.44	40.72	40.02	40.44	40.72
23[a]	41.12	40.98	41.26	41.26	41.26	41.26	41.82	42.24	41.96	40.56	40.28	40.14	40.42	40.84	41.68
24	41.39	41.39	41.39	41.39	41.39	41.39	41.39	41.11	40.27	39.99	39.99	39.85	39.99	40.69	41.39
25	41.39	41.39	41.39	41.39	41.39	41.39	41.53	41.53	41.11	39.99	39.99	40.27	40.97	41.39	41.67
26	41.38	41.38	41.38	41.38	41.66	41.66	41.38	40.96	40.12	39.70	39.70	39.98	40.68	41.38	41.66
27	41.38	41.38	41.38	41.38	41.24	41.10	40.54	39.98	39.70	38.58	38.58	39.70	40.26	41.38	41.66
28[a]	41.37	41.51	41.51	41.23	41.09	40.95	41.09	41.37	41.09	40.39	39.69	39.69	40.25	40.53	40.67
29	41.37	41.37	41.37	41.37	41.23	41.23	41.51	41.79	41.93	41.93	42.07	41.93	41.79	41.65	42.07
30	41.36	41.50	41.36	41.36	41.22	41.08	41.08	41.22	41.22	41.22	41.22	41.22	41.22	41.50	42.06
31	41.36	41.36	41.36	41.36	41.22	41.22	41.22	41.08	40.80	40.52	40.10	40.94	41.50	42.34	42.48
Mean	41.21	41.28	41.29	41.23	41.19	41.21	41.35	41.39	40.95	40.39	40.08	40.13	40.43	40.95	41.51
Mean[a]	41.01	41.06	41.15	41.12	41.03	41.06	41.37	41.54	41.15	40.59	40.25	40.03	40.25	40.53	40.87

[a] Five international quiet days.

HOURLY VALUES OF DECLINATION.

SEPTEMBER, 1911. 0° East plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
40.66	40.80	40.80	40.66	40.66	40.66	40.66	40.66	40.80	40.52	6 24	42.20	12 18	38.14	4.06	1
40.53	40.81	40.67	40.53	40.39	40.53	40.67	40.67	40.67	40.33	7 10	42.35	12 20	37.73	4.62	2
40.82	41.10	40.96	40.82	40.82	40.82	40.82	40.82	40.82	40.63	7 00	42.78	12 00	38.30	4.48	3
40.69	41.11	40.97	40.83	40.83	40.83	40.83	40.83	40.83	40.49	7 00	42.09	11 20	38.17	3.92	4
40.84	41.12	40.98	40.84	40.70	40.70	40.84	40.84	40.84	40.74	8 00	42.38	13 00	38.74	3.64	5
40.57	40.85	40.85	40.85	40.85	40.85	40.85	40.99	41.13	40.91	7 00	42.67	13 37	39.03	3.64	6
39.74	40.16	40.44	40.72	40.86	40.86	40.86	40.86	40.86	40.45	7 00	42.54	13 00	38.06	4.48	7
41.01	41.71	41.43	41.15	40.87	40.87	40.87	40.87	40.87	40.95	7 50	42.41	12 00	39.61	2.80	8
40.88	41.02	41.02	40.88	40.88	40.88	40.88	40.88	40.88	40.72	8 00	42.56	12 00	38.22	4.34	9
41.17	41.73	41.03	41.03	41.03	41.03	41.03	41.03	41.03	40.91	7 20	42.43	13 00	38.37	4.06	10
39.92	40.48	40.48	40.48	40.90	40.90	40.90	40.90	41.04	40.28	7 00	43.28	12 00	36.70	6.58	11
40.77	40.91	41.19	41.19	41.05	41.05	41.05	41.05	41.19	40.68	8 00	43.15	12 00	37.83	5.32	12
40.63	41.05	41.47	41.05	40.91	40.91	40.91	40.91	40.91	40.71	8 00	42.45	13 00	38.11	4.34	13
40.91	41.61	41.19	40.77	40.77	40.63	40.49	40.63	40.77	40.79	8 00	43.57	13 00	38.25	5.32	14
40.76	41.04	40.90	40.90	40.90	40.76	40.76	40.90	40.90	40.48	7 00	42.02	11 50	38.24	3.78	15
41.17	41.87	41.17	40.89	40.75	40.75	40.75	40.75	40.89	40.73	8 00	42.29	13 00	38.23	4.06	16
40.74	40.88	40.88	40.88	40.75	40.75	40.75	40.88	40.88	40.62	7 00	42.00	12 30	38.22	3.78	17
41.01	41.01	41.01	40.87	40.87	40.73	40.73	40.73	40.87	40.78	7 00	42.27	13 00	39.33	2.94	18
41.00	41.00	40.72	40.72	40.72	40.58	40.58	40.58	40.72	40.73	7 00	41.98	13 00	38.90	3.08	19
42.12	41.56	41.14	41.14	40.72	40.44	40.30	40.02	40.44	40.61	15 39	42.26	9 35	38.48	3.78	20
41.83	41.55	41.13	40.85	40.57	40.43	40.43	40.29	40.29	40.60	16 05	41.97	11 13	39.03	2.94	21
40.98	40.84	40.98	40.98	40.70	40.56	40.56	40.70	40.70	40.31	18 35	41.40	11 00	38.18	3.22	22
42.23	42.09	40.97	40.83	40.69	40.69	40.69	40.69	40.55	40.78	16 00	42.23	12 44	39.29	2.94	23
40.82	40.96	40.82	40.82	40.68	40.68	40.68	40.68	40.68	40.41	7 00	42.08	13 00	38.30	3.78	24
40.67	41.09	40.53	40.39	40.39	40.53	40.53	40.39	40.39	40.72	8 00	43.61	13 00	38.01	5.60	25
39.96	40.52	40.80	40.66	40.66	40.52	40.52	40.52	40.52	40.44	8 00	42.62	13 00	38.70	3.92	26
40.66	40.80	40.80	40.80	40.80	40.80	40.80	40.80	40.80	40.61	8 00	42.62	13 00	38.56	4.06	27
40.81	40.81	40.68	40.68	40.82	40.82	40.82	40.82	40.82	40.75	8 00	42.20	13 00	39.26	2.94	28
41.40	41.27	40.85	40.85	40.71	40.71	40.57	40.71	40.85	40.54	16 00	41.40	12 00	38.74	2.66	29
41.15	40.74	40.46	40.46	40.60	40.60	40.60	40.74	40.74	40.71	7 00	41.42	11 00	39.47	1.95	30
40.88	41.08	40.91	40.82	40.76	40.73	40.72	40.74	40.79	40.63	----------	42.37	----------	38.47	3.90	--------
40.58	41.03	40.83	40.63	40.61	40.61	40.61	40.61	40.63	40.58	----------	42.99	----------	38.20	4.79	--------

OCTOBER, 1911. 0° East plus tabular quantities.

′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
40.76	40.77	40.63	40.77	40.77	40.91	40.91	40.91	40.91	40.90	7 30	42.15	12 15	39.92	2.23	1
41.35	40.94	40.66	40.38	40.52	40.80	40.66	40.80	40.94	40.97	7 00	41.90	13 00	39.95	1.95	2
40.96	40.97	40.97	40.97	40.97	40.97	40.97	40.97	40.97	40.83	2 12	41.51	12 00	39.56	1.95	3
41.27	41.13	40.99	40.99	40.99	40.99	40.99	40.99	40.99	40.78	7 00	41.54	11 00	39.30	2.24	4
41.00	41.14	40.86	40.72	40.86	40.86	40.72	40.72	40.86	40.89	7 37	41.70	12 00	40.02	1.68	5
42.02	41.47	41.05	41.05	41.05	41.05	41.19	41.33	41.12	16 00	42.02	11 00	40.34	1.68	6
42.47	42.19	41.36	41.08	41.08	41.08	41.08	41.08	41.08	41.13	16 00	42.47	11 30	39.53	2.94	7
42.22	42.09	41.25	41.25	41.11	41.11	41.11	41.11	41.11	40.97	16 00	42.22	11 50	38.86	3.36	8
42.25	41.83	41.27	41.27	41.13	41.27	41.13	41.13	41.13	41.03	15 30	42.39	11 00	39.44	2.95	9
42.40	41.70	41.42	41.14	41.14	41.14	41.14	41.14	41.14	41.29	16 00	42.40	12 42	39.74	2.66	10
42.28	42.70	42.28	41.58	41.16	41.16	41.02	40.88	40.88	41.24	17 00	42.70	11 00	39.33	3.37	11
41.19	40.75	40.61	40.89	40.89	40.75	40.89	40.89	40.89	40.74	8 00	42.01	12 00	39.35	2.66	12
41.60	41.60	41.19	41.19	41.19	41.05	41.05	41.05	41.05	41.04	8 00	42.44	13 00	39.79	2.65	13
40.92	41.06	40.92	40.78	40.50	40.50	40.64	40.64	40.64	40.80	8 00	41.62	12 00	39.94	1.68	14
40.79	40.93	40.79	40.65	40.51	40.51	40.51	40.51	40.51	40.56	16 34	41.07	13 00	40.09	0.98	15
41.79	41.93	42.21	42.35	42.21	42.35	42.21	42.21	42.21	41.26	20 36	42.63	11 28	39.97	2.66	16
43.06	42.36	42.22	41.80	41.80	41.94	42.08	42.50	41.95	42.12	16 00	43.06	19 24	41.52	1.54	17
42.00	41.82	41.96	41.68	41.26	41.26	41.26	41.26	41.12	41.44	3 00	42.66	9 20	39.72	2.94	18
42.26	41.42	41.00	41.14	41.14	41.14	41.00	41.14	41.14	40.72	16 00	42.26	11 00	38.61	3.65	19
42.41	41.43	41.29	41.29	41.29	41.15	41.15	40.87	40.87	41.13	16 00	42.41	11 00	39.89	2.52	20
41.98	42.26	41.84	41.42	41.28	41.14	40.86	40.72	40.58	41.06	7 00	41.86	11 00	39.76	2.10	21
41.14	41.40	41.40	41.26	41.26	41.12	41.26	41.12	41.26	40.99	8 00	41.56	13 00	40.02	1.54	22
42.38	42.10	41.82	41.54	41.40	41.12	40.98	41.12	41.26	41.29	16 00	42.38	12 00	40.14	2.24	23
41.53	41.67	41.39	41.53	41.39	41.39	41.39	41.39	41.39	41.09	5 00	41.67	12 00	39.85	1.82	24
42.51	41.67	41.39	41.39	41.39	41.39	41.39	41.39	41.39	41.28	16 00	42.51	10 48	39.85	2.66	25
42.08	41.52	41.38	41.38	41.38	41.38	41.38	41.38	41.38	41.15	16 00	42.08	10 30	39.56	2.52	26
42.22	41.66	41.38	41.38	41.38	41.38	41.38	41.38	41.38	40.91	16 00	42.22	10 30	38.44	3.78	27
40.81	41.09	41.37	41.51	41.65	41.51	41.37	41.37	41.37	41.02	20 00	41.65	11 14	39.55	2.10	28
42.21	41.93	41.65	41.51	41.37	41.37	41.37	41.37	41.37	41.62	16 00	42.21	5 50	41.09	1.12	29
42.48	42.06	41.64	41.50	41.50	41.50	41.36	41.36	41.36	41.44	16 00	42.48	6 30	40.94	1.54	30
42.62	42.20	41.78	41.50	41.50	41.50	41.36	41.36	41.36	41.42	16 00	42.62	11 00	40.10	2.52	31
41.84	41.61	41.35	41.25	41.20	41.19	41.15	41.16	41.16	41.10	----------	42.14	----------	39.81	2.33	--------
41.15	41.21	41.09	41.04	41.04	40.98	40.90	40.93	40.98	40.93	----------	41.79	----------	39.94	1.85	--------

HOURLY VALUES OF DECLINATION.

NOVEMBER, 1911. 0° East plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1[a]	41.36	41.22	41.08	41.08	41.08	41.08	40.94	40.52	40.24	40.38	40.52	40.66	40.80	41.64	42.06
2	41.36	41.36	41.36	41.36	41.22	41.08	40.80	40.52	40.52	40.66	40.66	40.66	41.36	41.36	42.06
3	41.35	41.35	41.35	41.21	41.21	41.35	41.35	41.35	40.65	40.65	41.07	41.49	42.05	42.19	42.19
4	41.62	41.34	41.06	41.33	41.33	41.05	40.06	39.92	39.78	39.77	40.05	41.31	41.44	41.72	42.00
5	41.26	41.26	41.26	41.25	41.25	41.25	41.24	40.54	39.70	39.69	39.83	40.11	40.94	41.50	42.20
6	41.18	41.18	41.03	40.75	40.46	40.04	39.90	39.89	40.45	40.30	40.16	40.59	41.13	41.55	41.68
7[a]	41.09	41.09	41.09	41.22	41.22	41.09	41.35	40.79	39.39	39.10	39.38	39.66	39.94	40.49	40.77
8	40.45	40.45	40.45	40.58	40.72	40.85	40.85	40.15	39.59	39.44	39.30	38.88	39.43	39.85	40.82
9	40.51	40.65	40.64	40.64	40.63	40.21	39.79	39.36	39.22	38.66	39.35	39.63	40.60	41.02	41.16
10	40.70	40.70	40.56	40.55	40.13	39.29	39.15	39.14	39.00	38.85	38.71	38.99	39.40	39.68	40.38
11	40.34	40.34	40.20	40.33	40.19	39.91	40.04	40.74	40.74	40.45	40.31	40.17	40.31	40.45	40.72
12	39.98	39.84	39.97	40.11	40.10	39.54	39.11	39.53	39.67	39.67	39.52	39.38	39.52	40.36	40.63
13	40.03	40.03	39.89	39.74	39.46	39.46	39.17	39.17	38.47	38.88	39.02	39.30	39.43	39.99	40.55
14	39.67	40.09	39.94	39.65	39.51	38.81	38.81	38.94	39.64	39.90	40.05	40.05	40.32	40.32	40.32
15	39.44	39.58	39.72	39.72	39.30	39.02	38.60	38.46	38.32	38.46	38.88	39.02	39.44	39.72	40.00
16	39.99	39.99	39.85	39.57	39.71	39.57	39.43	39.71	40.69	40.41	40.55	40.83	40.83	40.83	40.97
17	40.40	40.40	40.40	40.40	40.40	40.12	39.70	39.84	39.70	39.28	39.70	40.26	40.54	41.10	41.24
18	40.39	40.39	40.39	40.39	40.25	40.25	40.24	40.38	40.10	40.09	39.95	40.09	40.37	41.34	41.76
19	41.18	41.32	41.32	41.32	41.03	40.61	40.61	40.89	40.88	41.02	41.43	41.58	41.71	41.43	41.71
20	41.27	41.13	41.13	40.99	40.71	40.29	40.28	40.28	40.00	40.14	40.27	41.39	42.22	42.78	42.64
21	41.22	41.36	41.36	41.50	41.50	40.94	40.09	39.25	39.11	38.97	39.25	39.53	40.08	41.62	41.76
22[a]	40.90	40.90	41.04	41.18	41.17	40.89	40.19	40.33	40.33	40.19	40.19	40.46	41.44	41.86	41.71
23[a]	41.27	41.27	41.27	41.27	41.12	40.98	40.84	40.84	40.84	40.84	40.70	40.84	41.11	41.25	41.52
24[a]	40.94	40.94	40.94	40.94	40.80	40.65	39.95	39.94	39.80	39.94	40.23	40.79	40.92	41.06	41.20
25	41.17	41.03	41.03	40.89	40.75	40.61	40.47	40.32	40.04	39.90	40.46	41.16	41.72	41.71	41.99
26	41.13	41.13	41.13	41.13	40.98	40.70	40.42	40.28	40.14	40.13	39.99	39.99	40.69	41.25	41.52
27	41.08	41.08	41.08	41.08	40.93	40.93	40.65	40.93	40.93	39.80	39.66	39.94	40.78	41.06	41.33
28	41.03	40.89	40.89	40.89	40.89	40.89	41.03	41.30	41.02	40.04	39.90	40.04	40.17	40.31	41.29
29	40.99	40.85	40.85	40.71	40.71	40.71	40.57	40.71	41.13	41.27	41.41	41.41	41.55	41.55	41.41
30	40.98	40.98	40.98	40.84	40.70	40.56	39.86	39.86	39.86	39.86	40.14	40.14	40.56	41.26	41.54
Mean	40.81	40.80	40.78	40.75	40.65	40.42	40.18	40.13	40.00	39.89	40.02	40.28	40.69	41.08	41.37
Mean[a]	41.11	41.08	41.08	41.14	41.08	40.94	40.65	40.48	40.12	40.09	40.20	40.48	40.84	41.26	41.45

DECEMBER, 1911. 0° East plus tabular quantities.

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	40.69	40.69	40.83	40.83	40.83	40.83	40.83	40.97	40.97	40.97	40.97	40.97	41.11	41.11	41.25
2[a]	40.96	40.68	40.54	40.68	40.68	40.68	40.68	40.82	40.96	41.10	41.10	41.38	41.52	41.66	41.66
3	41.09	41.09	41.09	41.09	40.95	40.67	40.25	40.39	40.25	40.11	40.25	40.53	41.09	41.93	42.49
4	40.94	41.08	41.08	41.08	41.08	40.80	40.24	39.68	39.96	39.96	40.10	40.52	41.08	41.50	41.92
5	40.93	40.93	40.79	40.79	40.93	40.93	41.07	41.21	41.07	40.93	40.37	40.23	40.79	41.21	41.49
6	40.93	40.93	40.93	40.93	40.93	41.07	41.07	41.49	41.63	41.07	39.95	39.81	40.09	40.93	41.21
7	41.20	39.80	41.34	41.06	41.20	41.20	40.22	40.08	39.80	39.80	39.52	39.80	40.92	41.20	41.48
8	40.77	40.77	40.91	40.91	41.05	41.05	41.05	40.77	40.21	39.65	38.67	39.37	39.79	40.35	41.19
9[a]	41.04	41.04	41.04	41.04	41.18	41.18	41.32	41.32	41.04	40.48	39.78	40.06	40.62	41.04	41.74
10	41.04	41.04	41.04	41.04	41.18	41.32	41.46	41.60	40.76	39.50	38.38	38.38	39.50	40.20	41.04
11	40.75	40.75	40.75	40.75	40.75	40.75	41.31	41.59	39.91	39.21	39.07	39.77	39.91	41.17	42.57
12	39.76	40.18	39.76	40.04	40.74	40.88	41.02	40.88	39.90	39.34	38.50	38.36	38.78	39.62	40.04
13	40.45	40.59	40.73	40.73	40.87	41.01	41.29	41.43	41.15	40.03	39.33	38.77	39.47	40.17	41.01
14	40.73	40.73	40.73	40.73	40.87	41.01	41.15	41.15	40.73	39.47	38.49	38.35	39.05	40.03	41.15
15	40.02	40.02	40.02	40.02	39.88	40.02	40.58	41.00	41.00	40.30	39.74	39.32	39.46	39.88	40.72
16	40.57	40.57	40.57	40.57	40.57	40.57	40.71	41.13	41.13	40.71	39.73	39.59	40.01	40.29	40.43
17	40.56	40.56	40.56	40.56	40.70	40.84	40.98	41.82	42.10	41.12	40.42	40.42	40.70	40.98	41.12
18	40.70	40.84	40.56	40.42	40.28	40.14	40.14	40.98	41.12	40.56	40.14	40.42	40.00	39.72	39.86
19	40.14	40.14	40.00	40.00	40.00	40.00	40.42	41.12	40.56	39.86	39.58	39.72	40.14	40.42	40.85
20	40.44	40.58	40.58	40.58	40.16	39.88	40.02	40.86	41.14	41.00	40.02	40.16	40.17	40.87	41.15
21[a]	40.74	40.74	40.74	40.60	40.46	40.32	40.88	41.86	41.72	40.74	40.18	40.04	40.32	40.75	41.17
22[a]	40.76	40.76	40.76	40.48	40.34	40.06	40.06	41.04	41.18	40.48	39.78	39.78	40.07	40.91	41.05
23[a]	40.64	40.64	40.64	40.50	40.36	40.22	40.08	40.64	40.92	40.92	40.36	39.66	40.23	41.21	41.49
24	40.80	40.80	40.80	40.80	40.80	40.66	40.52	40.38	40.66	40.38	39.68	39.54	39.82	40.11	40.95
25	40.82	40.68	40.68	40.54	40.54	40.82	40.82	40.96	40.96	40.68	40.40	39.84	39.85	39.99	40.83
26	40.85	40.71	40.57	40.15	40.15	40.01	40.57	40.99	40.57	39.87	39.73	39.87	40.15	40.71	41.55
27	40.17	40.03	40.03	40.17	39.89	40.03	40.03	40.87	41.57	41.15	40.87	40.17	39.75	40.18	41.16
28	40.33	40.19	40.47	40.47	40.33	40.33	41.03	41.73	41.73	40.61	39.63	38.65	38.52	39.49	39.92
29	40.07	39.93	39.93	39.93	39.93	39.93	40.91	41.61	41.75	40.07	38.67	38.95	39.52	39.66	39.94
30	39.95	39.95	39.95	39.95	39.95	39.95	40.23	40.93	40.37	39.95	39.81	39.67	39.68	39.96	40.52
31	39.97	39.97	39.83	39.83	39.83	39.83	39.97	40.25	40.53	39.97	39.83	40.25	40.82	40.54	40.68
Mean	40.61	40.56	40.59	40.56	40.57	40.55	40.67	41.02	40.88	40.32	39.78	39.75	40.09	40.57	41.08
Mean[a]	40.83	40.77	40.74	40.66	40.60	40.49	40.60	41.14	41.16	40.74	40.24	40.18	40.55	41.11	41.42

[a] Five international quiet days.

HOURLY VALUES OF DECLINATION.

NOVEMBER, 1911. 0° East plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
42.20	41.78	41.64	41.50	41.36	41.36	41.22	41.22	41.22	41.17	15 30	42.34	9 27	40.10	2.24	1
42.20	41.64	41.50	41.50	41.36	41.36	41.36	41.36	41.36	41.25	16 00	42.20	8 30	40.38	1.82	2
42.33	41.63	41.49	41.49	41.49	41.35	41.35	41.49	41.49	41.46	16 00	42.33	9 30	40.51	1.82	3
42.27	41.85	41.29	41.42	41.28	41.28	41.27	41.27	41.27	41.12	15 33	42.41	10 12	39.63	2.78	4
42.33	41.21	41.35	41.20	41.20	41.05	41.05	41.05	41.19	41.04	15 39	42.47	9 40	39.55	2.92	5
41.96	41.68	41.11	41.11	41.10	40.82	40.82	40.96	41.10	40.87	16 00	41.96	7 30	39.75	2.21	6
41.04	41.04	41.04	40.89	40.75	40.61	40.46	40.46	40.46	40.60	7 00	41.35	10 00	39.10	2.25	7
40.95	40.95	40.67	40.66	40.52	40.52	40.37	40.37	40.51	40.31	16 10	41.09	12 00	38.88	2.21	8
41.01	40.87	40.59	40.58	40.44	40.30	40.29	40.43	40.57	40.30	15 00	41.16	10 00	38.66	2.50	9
40.79	40.79	40.37	40.36	40.36	40.22	40.35	40.35	40.35	39.97	16 25	40.93	11 00	38.71	2.22	10
40.71	40.57	40.57	40.42	40.28	40.14	39.99	39.99	39.99	40.33	8 20	40.88	6 00	39.91	0.97	11
40.63	40.62	40.34	40.05	39.91	39.91	39.90	39.90	39.90	39.92	16 45	40.77	7 00	39.11	1.66	12
40.82	40.96	41.52	40.53	40.53	40.53	40.10	39.96	39.96	39.90	18 00	41.52	9 00	38.47	3.05	13
40.45	40.45	40.31	39.87	40.86	39.87	40.01	39.73	39.59	39.88	20 00	40.86	7 20	38.67	2.19	14
40.28	40.42	40.28	40.14	40.14	40.00	39.86	39.86	39.72	39.52	17 00	40.42	9 00	38.32	2.10	15
40.97	40.97	40.69	40.55	40.41	40.13	40.13	40.27	40.27	40.30	17 20	41.11	7 00	39.43	1.68	16
41.24	40.96	41.10	40.82	40.54	40.40	40.40	40.40	40.40	40.41	14 45	41.38	10 00	39.28	2.10	17
41.76	41.76	41.76	41.61	41.47	41.33	41.19	41.05	41.05	40.81	15 46	41.90	11 00	39.95	1.95	18
41.71	41.57	41.42	41.42	41.42	41.42	41.28	41.28	41.28	41.28	11 42	41.85	6 30	40.47	1.38	19
42.08	41.80	41.66	41.65	41.51	41.37	41.23	41.23	41.23	41.22	14 14	42.92	9 00	40.00	2.92	20
42.46	41.90	41.76	41.33	41.19	41.19	41.05	40.91	40.91	40.84	16 00	42.46	10 00	38.97	3.49	21
41.85	41.71	41.57	41.43	41.28	41.14	41.14	41.14	41.14	41.05	13 45	42.00	10 39	40.05	1.95	22
41.80	41.94	41.66	41.52	41.51	41.37	41.23	41.09	41.09	41.22	16 28	42.08	11 00	40.70	1.38	23
41.60	41.46	41.32	41.17	41.16	41.02	41.02	41.02	41.02	40.83	16 00	41.60	9 00	39.80	1.80	24
42.13	41.57	41.43	41.42	41.42	41.28	41.14	41.14	41.14	41.08	16 00	42.13	10 00	39.90	2.23	25
41.66	41.66	41.38	41.38	41.37	41.23	41.09	41.09	41.09	40.94	16 12	41.80	11 30	39.85	1.95	26
41.47	41.47	41.33	41.19	41.18	41.04	41.04	41.04	41.04	40.92	15 15	41.61	11 00	39.66	1.95	27
41.43	41.29	41.15	41.00	41.00	41.00	41.00	41.00	41.00	40.85	16 00	41.43	11 00	39.90	1.53	28
41.41	41.27	41.13	41.13	40.99	40.99	40.99	40.99	40.99	41.07	13 12	41.69	7 00	40.57	1.12	29
41.68	41.26	41.26	41.12	40.98	40.84	40.56	40.84	40.84	40.73	15 46	41.82	7 12	39.72	2.10	30
41.51	41.30	41.16	41.02	40.97	40.84	40.76	40.76	40.77	40.71	----------	41.68	----------	39.60	2.08	--------
41.70	41.59	41.45	41.30	41.21	41.10	41.01	40.99	40.99	40.97	----------	41.87	----------	39.95	1.92	--------

DECEMBER, 1911. 0° East plus tabular quantities.

′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	′
41.39	41.25	41.25	41.11	41.11	40.97	40.97	40.83	41.11	40.99	16 00	41.39	1 20	40.55	0.84	1
41.80	41.66	41.38	41.24	41.10	40.96	40.96	41.10	41.10	41.10	15 48	41.94	3 00	40.54	1.40	2
42.21	42.07	41.79	41.51	41.23	41.09	40.95	40.95	40.95	41.08	14 38	42.63	10 00	40.11	2.52	3
42.34	41.78	41.36	41.22	41.22	41.08	41.08	41.08	40.94	40.96	16 00	42.34	8 00	39.68	2.66	4
41.91	41.77	41.49	41.49	41.35	41.21	41.21	41.07	41.07	41.09	16 35	42.05	12 00	40.23	1.82	5
41.49	41.63	41.49	41.35	41.35	41.35	41.21	41.21	41.21	41.05	16 36	41.77	12 00	39.81	1.96	6
41.76	41.62	41.34	41.20	41.20	41.06	40.92	40.78	40.78	40.80	16 00	41.76	11 00	39.52	2.24	7
41.89	41.75	41.33	41.19	41.19	41.05	41.05	40.91	40.91	40.74	16 00	41.89	11 00	38.67	3.22	8
41.88	41.74	41.60	41.46	41.46	41.32	41.04	40.90	40.90	41.10	16 00	41.88	11 00	39.78	2.10	9
41.32	41.18	41.18	41.18	41.18	41.04	41.04	40.90	40.90	40.72	8 00	41.60	11 43	38.24	3.36	10
42.99	43.83	42.85	42.29	41.17	42.71	41.17	41.17	40.47	41.15	16 33	44.67	10 42	38.65	6.02	11
41.02	41.16	40.88	40.88	40.74	40.74	40.60	40.46	40.46	40.20	17 00	41.16	12 00	38.36	2.80	12
41.15	41.15	41.15	41.15	41.01	40.87	40.73	40.73	40.73	40.65	8 00	41.43	12 00	38.77	2.66	13
42.13	42.27	41.85	41.43	41.43	41.29	40.87	40.59	40.45	40.70	17 00	42.27	12 00	38.35	3.92	14
40.86	41.00	41.14	41.00	40.86	40.72	40.72	40.58	40.58	40.39	17 00	41.28	12 30	39.18	2.10	15
40.71	40.85	40.85	40.85	40.85	40.85	40.71	40.57	40.57	40.58	8 25	41.27	12 00	39.59	1.68	16
41.26	41.12	40.84	40.84	40.98	40.84	40.70	40.70	40.56	40.89	9 00	42.10	11 10	40.28	1.82	17
40.42	40.70	40.84	40.98	40.70	40.56	40.42	40.14	40.14	40.45	8 35	41.26	14 00	39.72	1.54	18
40.99	40.99	40.85	40.85	40.85	40.71	40.57	40.29	40.29	40.39	8 00	41.12	11 00	39.58	1.54	19
41.15	41.15	41.01	40.87	40.73	40.73	40.73	40.73	40.73	40.64	8 25	41.28	6 00	39.88	1.40	20
41.17	40.89	40.75	40.75	40.75	40.75	40.75	40.75	40.75	40.77	8 00	41.86	12 00	40.04	1.82	21
41.05	40.91	40.91	40.91	40.91	40.77	40.77	40.63	40.63	40.62	9 00	41.18	11 28	39.64	1.54	22
41.49	41.21	41.07	41.07	40.93	40.79	40.65	40.65	40.65	40.71	15 50	41.63	12 00	39.66	1.97	23
41.65	41.37	41.23	41.09	40.95	40.81	40.81	40.81	40.81	40.68	16 00	41.65	12 00	39.54	2.11	24
41.53	41.39	41.11	40.97	40.97	40.83	40.69	40.40	40.68	40.71	16 20	41.67	12 36	39.70	1.97	25
42.25	41.97	42.39	42.12	41.55	41.27	41.00	40.86	40.16	40.83	16 35	42.67	10 15	39.45	3.22	26
41.44	41.30	41.16	41.16	41.02	40.88	40.88	40.74	40.46	40.63	9 00	41.57	13 00	39.75	1.82	27
40.62	40.34	40.20	40.20	40.06	40.06	40.06	40.06	40.06	40.21	8 30	41.87	13 00	38.52	3.35	28
40.50	40.36	40.36	40.36	40.22	40.22	40.08	40.08	40.08	40.13	9 00	41.75	11 00	38.67	3.08	29
41.22	41.36	40.94	40.80	40.38	40.10	39.96	39.96	39.96	40.23	17 00	41.36	12 25	39.53	1.83	30
40.68	40.82	40.54	40.54	40.54	40.40	40.26	40.12	39.98	40.25	12 54	40.96	11 17	39.69	1.27	31
41.43	41.37	41.20	41.10	40.97	40.90	40.76	40.67	40.62	40.69	----------	41.78	----------	39.47	2.31	--------
41.48	41.28	41.14	41.09	41.03	40.92	40.83	40.81	40.81	40.86	----------	41.70	----------	39.93	1.77	--------

HOURLY VALUES OF HORIZONTAL INTENSITY.

JANUARY, 1911. 30000 γ plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8058	8056	8050	8066	8058	8058	8065	8084	8102	8106	8102	8092	8087	8072	8061
2	8067	8069	8070	8073	8074	8079	8094	8113	8124	8131	8111	8105	8104	8100	8088
3	8063	8077	8068	8069	8058	8059	8066	8068	8095	8101	8100	8072	8061	8060	8061
4	8057	8058	8059	8055	8055	8057	8056	8072	8092	8103	8094	8087	8077	8070	8072
5	8056	8044	8044	8049	8055	8054	8065	8085	8102	8125	8120	8104	8093	8078	8074
6	8057	8057	8059	8057	8058	8060	8061	8069	8080	8088	8093	8092	8078	8066	8060
7[a]	8067	8068	8060	8057	8056	8059	8066	8078	8093	8101	8105	8096	8092	8088	8082
8	8057	8058	8062	8066	8069	8065	8062	8069	8080	8086	8106	8110	8099	8090	8077
9	8069	8074	8057	8052	8058	8067	8047	8057	8068	8094	8101	8095	8083	8075	8067
10	8077	8059	8045	8051	8046	8051	8050	8054	8055	8061	8080	8089	8083	8079	8079
11	8090	8088	8084	8088	8094	8092	8094	8097	8098	8111	8092	8094	8084	8079	8071
12[a]	8077	8074	8068	8061	8058	8060	8061	8068	8078	8092	8084	8083	8084	8082	8076
13	8065	8064	8064	8062	8062	8060	8065	8073	8084	8094	8100	8099	8094	8094	8090
14	8049	8074	8063	8060	8061	8064	8075	8086	8091	8106	8106	8097	8083	8076	8074
15	8054	8050	8055	8051	8052	8058	8069	8076	8094	8106	8105	8099	8090	8087	8086
16	8043	8044	8050	8053	8052	8053	8061	8076	8101	8113	8103	8095	8090	8080	8064
17[a]	8052	8055	8061	8055	8051	8051	8061	8072	8088	8098	8108	8109	8095	8088	8083
18	8058	8053	8052	8054	8059	8061	8072	8083	8101	8118	8117	8123	8097	8092	8088
19	8046	8053	8063	8058	8057	8057	8059	8065	8083	8107	8118	8103	8089	8084	8068
20[a]	8052	8055	8051	8057	8056	8056	8057	8060	8070	8079	8085	8087	8078	8081	8083
21[a]	8073	8071	8073	8076	8078	8073	8080	8086	8093	8095	8099	8091	8079	8078	8070
22	8061	8059	8056	8060	8059	8063	8069	8073	8084	8095	8104	8102	8092	8093	8089
23	8055	8051	8056	8055	8051	8055	8060	8068	8072	8085	8088	8085	8073	8063	8062
24	8061	8081	8077	8067	8065	8069	8071	8081	8091	8081	8091	8092	8091	8093	8093
25	8038	8068	8045	8037	8018	8030	8027	8030	8040	8053	8055	8062	8057	8049	8039
26	8058	8056	8045	8050	8054	8048	8047	8062	8065	8071	8075	8076	8078	8064	8079
27	8062	8062	8070	8060	8057	8073	8078	8076	8099	8110	8113	8116	8104	8097	8092
28	8055	8064	8059	8055	8053	8055	8059	8061	8077	8091	8082	8081	8075	8067	8060
29	8056	8058	8053	8057	8057	8057	8061	8068	8072	8083	8089	8082	8076	8067	8069
30	8047	8049	8053	8057	8052	8050	8063	8071	8080	8082	8091	8092	8079	8076	8082
31	8040	8026	8039	8040	8043	8048	8059	8071	8075	8076	8080	8074	8069	8058	8056
Mean	8059	8060	8058	8058	8057	8060	8064	8073	8085	8095	8097	8093	8084	8078	8074
Mean[a]	8064	8065	8063	8061	8060	8060	8065	8073	8084	8093	8096	8093	8086	8083	8079

FEBRUARY, 1911. 30000 γ plus tabular quantities.

	γ	γ	γ	γ	γ	γ	∿	∿	γ	γ	γ	γ	γ	γ	γ
1	8055	8052	8044	8041	8047	8036	8034	8041	8051	8064	8064	8069	8068	8063	8058
2	8038	8037	8038	8041	8042	8045	8052	8063	8077	8084	8093	8100	8097	8085	8081
3	8057	8048	8045	8045	8052	8051	8062	8075	8087	8093	8098	8099	8093	8082	8082
4	8049	8058	8054	8056	8055	8052	8060	8071	8085	8098	8107	8106	8101	8095	8089
5	8056	8054	8051	8053	8057	8058	8067	8083	8108	8112	8120	8103	8095	8098	8087
6	8050	8047	8062	8056	8059	8055	8053	8056	8068	8084	8092	8096	8090	8087	8077
7	8052	8047	8051	8052	8050	8051	8062	8068	8076	8076	8080	8085	8087	8084	8073
8	8056	8064	8062	8057	8056	8062	8063	8073	8078	8090	8106	8103	8096	8087	8072
9	8055	8060	8053	8045	8042	8047	8049	8060	8075	8088	8096	8104	8089	8085	8082
10	8053	8055	8054	8055	8063	8063	8064	8069	8065	8084	8088	8091	8074	8077	8077
11[a]	8064	8062	8072	8060	8060	8065	8062	8071	8079	8091	8105	8108	8098	8087	8086
12[a]	8046	8050	8053	8053	8050	8054	8060	8064	8076	8084	8097	8097	8095	8087	8079
13	8062	8058	8061	8063	8064	8065	8072	8085	8109	8120	8125	8118	8111	8090	8077
14	8050	8062	8061	8064	8046	8036	8039	8050	8057	8076	8087	8098	8094	8092	8076
15[a]	8043	8036	8032	8038	8038	8034	8036	8042	8054	8068	8079	8087	8087	8063	8053
16	8054	8056	8055	8060	8060	8060	8057	8066	8079	8089	8093	8090	8085	8082	8085
17	8054	8060	8053	8051	8052	8056	8057	8063	8084	8089	8097	8108	8105	8084	8093
18	8075	8052	8050	8049	8053	8051	8048	8052	8060	8073	8085	8081	8074	8069	8062
19[a]	8046	8051	8052	8053	8053	8054	8055	8059	8066	8071	8081	8082	8070	8061	8053
20[a]	8050	8053	8051	8053	8049	8051	8054	8059	8063	8077	8085	8081	8077	8075	8077
21	8066	8069	8070	8079	8078	8087	8074	8076	8083	8089	8102	8109	8101	8098	8094
22															
23	8051	8051	8035	8044	8038	8025	8018	8031	8041	8056	8054	8054	8052	8044	8038
24	8056	8049	8048	8046	8046	8044	8044	8057	8070	8060	8063	8057	8054	8048	8041
25	8059	8044	8044	8046	8052	8052	8044	8054	8060	8078	8086	8081	8078	8073	8064
26	8045	8046	8056	8051	8049	8046	8054	8054	8060	8077	8075	8068	8069	8059	8056
27	8048	8057	8053	8052	8051	8056	8059	8065	8069	8077	8071	8089	8082	8077	8069
28	8056	8064	8049	8055	8056	8051	8051	8059	8070	8095	8096	8086	8073	8074	8075
Mean	8054	8053	8052	8053	8053	8052	8054	8062	8072	8083	8090	8091	8085	8078	8072
Mean[a]	8050	8050	8052	8051	8050	8052	8053	8059	8068	8078	8089	8091	8085	8075	8070

[a] Five international quiet days.

HOURLY VALUES OF HORIZONTAL INTENSITY.

JANUARY, 1911. 30000 γ plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
8055	8054	8054	8052	8055	8052	8054	8058	8061	8067	10 00	8106	3 00	8050	56	1
8073	8073	8076	8076	8074	8079	8077	8077	8059	8086	10 00	8131	23 38	8058	73	2
8056	8054	8055	8044	8048	8044	8057	8061	8070	8067	10 40	8108	20 24	8040	68	3
8070	8065	8060	8058	8066	8059	8056	8057	8059	8067	10 00	8103	4 39	8054	49	4
8061	8047	8047	8052	8055	8052	8051	8050	8051	8067	10 28	8127	17 23	8043	84	5
8059	8063	8059	8054	8057	8071	8066	8063	8058	8066	10 43	8095	0 40	8055	40	6
8066	8064	8062	8053	8051	8047	8051	8051	8058	8070	10 44	8107	21 00	8047	60	7
8071	8073	8070	8069	8068	8068	8067	8065	8064	8074	12 00	8110	1 00	8057	53	8
8055	8066	8073	8073	8075	8058	8040	8042	8058	8067	11 00	8101	21 48	8036	65	9
8065	8065	8072	8078	8078	8074	8080	8070	8099	8068	24 00	8099	3 00	8045	54	10
8064	8071	8066	8069	8064	8062	8061	8076	8077	8082	10 00	8111	22 00	8061	50	11
8071	8072	8069	8067	8066	8065	8068	8067	8066	8072	10 00	8092	5 00	8058	34	12
8078	8048	8037	8028	8024	8019	8037	8044	8053	8064	11 00	8100	21 00	8019	81	13
8070	8071	8071	8071	8070	8067	8063	8059	8052	8073	10 28	8110	1 00	8049	61	14
8071	8069	8064	8067	8064	8062	8061	8056	8050	8071	10 00	8106	23 47	8048	58	15
8045	8024	8043	8041	8040	8054	8047	8055	8054	8062	10 00	8113	16 54	8023	90	16
8072	8060	8062	8061	8053	8046	8054	8053	8062	8069	11 41	8112	21 00	8046	66	17
8069	8058	8048	8044	8047	8038	8043	8042	8047	8069	11 47	8126	19 14	8034	92	18
8056	8058	8053	8043	8041	8038	8043	8045	8051	8064	11 00	8118	21 00	8038	80	19
8078	8074	8070	8068	8058	8053	8061	8060	8069	8067	11 20	8089	3 00	8051	38	20
8068	8060	8061	8063	8063	8056	8059	8059	8063	8074	11 39	8100	21 00	8056	44	21
8085	8084	8078	8063	8056	8048	8052	8057	8057	8072	11 00	8104	20 42	8044	60	22
8056	8067	8074	8072	8070	8068	8068	8067	8063	8066	11 00	8088	2 42	8050	38	23
8093	8095	8090	8077	8060	8038	8046	8055	8062	8076	17 00	8095	21 24	8034	61	24
8044	8034	8042	8038	8034	8040	8043	8043	8049	8042	2 15	8073	5 00	8018	55	25
8072	8065	8060	8051	8059	8051	8049	8055	8067	8061	10 38	8081	20 39	8033	48	26
8075	8065	8062	8061	8060	8054	8058	8053	8055	8076	12 00	8116	23 00	8053	63	27
8063	8066	8060	8072	8060	8054	8094	8060	8056	8066	21 42	8102	5 00	8053	49	28
8071	8072	8071	8061	8066	8060	8063	8056	8056	8066	11 00	8089	0 27	8046	43	29
8081	8078	8065	8064	8064	8068	8063	8061	8039	8067	12 00	8092	24 00	8039	53	30
8053	8054	8046	8050	8054	8040	8038	8049	8064	8054	23 23	8083	2 00	8026	57	31
8067	8064	8062	8059	8058	8054	8057	8057	8060	8068	----------	8103	----------	8044	59	--------
8071	8066	8065	8062	8058	8053	8059	8058	8064	8070	----------	8100	----------	8052	48	--------

FEBRUARY, 1911. 30000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
8063	8052	8051	8052	8053	8045	8041	8047	8052	8052	11 49	8074	6 11	8031	43	1
8075	8057	8025	8021	8022	8041	8048	8048	8055	8057	11 35	8103	-19 39	8016	87	2
8075	8068	8066	8060	8059	8063	8056	8066	8054	8068	12 00	8099	0 34	8034	65	3
8082	8076	8067	8062	8053	8058	8057	8059	8059	8071	11 00	8107	0 16	8045	62	4
8079	8069	8052	8031	8032	8037	8037	8042	8040	8068	9 44	8125	19 13	8029	96	5
8066	8065	8056	8043	8042	8043	8051	8037	8052	8062	12 00	8096	19 21	8033	63	6
8056	8053	8046	8051	8057	8058	8056	8057	8058	8062	13 00	8087	5 35	8043	44	7
8059	8059	8051	8036	8042	8062	8040	8046	8054	8066	11 00	8106	19 00	8036	70	8
8073	8062	8061	8057	8047	8044	8054	8061	8060	8065	12 00	8104	5 00	8042	62	9
8082	8063	8038	8040	8042	8051	8052	8063	8064	8064	12 00	8091	18 17	8035	56	10
8078	8072	8066	8061	8064	8058	8043	8040	8057	8071	12 00	8108	23 00	8040	68	11
8073	8064	8062	8058	8054	8052	8054	8064	8064	8066	11 04	8098	1 00	8046	52	12
8071	8064	8066	8066	8072	8064	8063	8064	8058	8078	11 00	8125	23 47	8057	68	13
8063	8036	8030	8028	8055	8039	8057	8038	8033	8057	11 40	8099	17 37	8022	77	14
8054	8054	8053	8052	8055	8052	8052	8054	8055	8053	12 30	8088	3 00	8032	56	15
8087	8089	8081	8083	8077	8065	8049	8033	8044	8070	11 00	8093	23 00	8033	60	16
8078	8063	8051	8040	8051	8037	8050	8053	8059	8066	12 00	8108	21 00	8037	71	17
8064	8070	8066	8061	8054	8049	8050	8046	8043	8060	11 00	8085	23 11	8041	44	18
8049	8044	8043	8043	8044	8049	8052	8054	8051	8056	12 00	8082	17 35	8042	40	19
8080	8077	8072	8069	8066	8063	8066	8065	8061	8066	11 00	8085	5 00	8049	36	20
8088	8050	8059	8046	8052	8025	8021	7991	7986	8066	12 46	8113	23 37	7976	137	21
															22
8041	8034	8025	8035	8030	8059	8044	8038	8050	8041	10 32	8062	7 08	8017	45	23
8038	8028	8030	8034	8036	8036	8032	8034	8042	8046	9 05	8072	17 48	8026	46	24
8058	8054	8049	8034	8052	8033	8037	8048	8044	8055	11 00	8086	21 33	8025	61	25
8052	8046	8046	8030	8041	8038	8038	8041	8047	8052	10 00	8077	19 00	8030	47	26
8066	8065	8055	8060	8049	8056	8051	8055	8055	8062	12 00	8089	1 00	8048	41	27
8075	8060	8053	8059	8042	8066	8055	8060	8077	8065	11 00	8096	20 00	8042	54	28
8068	8059	8053	8049	8050	8050	8048	8048	8051	8062	----------	8091	----------	8032	59	--------
8067	8062	8059	8057	8057	8055	8053	8055	8058	8062	----------	8092	----------	8042	50	--------

HOURLY VALUES OF HORIZONTAL INTENSITY.

MARCH, 1911. 30000 γ plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8069	8075	8086	8080	8086	8096	8092	8098	8104	8130	8131	8137	8133	8116	8100
2	8055	8053	8045	8041	8043	8041	8040	8040	8055	8064	8084	8074	8081	8072	8060
3	8055	8043	8046	8061	8052	8080	8080	8091	8112	8126	8134	8127	8116	8110	8100
4	8066	8073	8086	8080	8080	8084	8084	8078	8091	8116	8114	8108	8099	8087	8078
5	8054	8062	8060	8073	8079	8045	8055	8063	8069	8101	8101	8102	8095	8073	8060
6	8057	8032	8026	8021	8024	8032	8036	8059	8067	8084	8082	8077	8067	8049	8052
7	8055	8048	8056	8045	8055	8053	8063	8073	8092	8111	8121	8120	8110	8085	8083
8	8050	8042	8044	8036	8027	8031	8035	8048	8066	8088	8106	8115	8109	8090	8077
9	8050	8047	8049	8050	8045	8045	8042	8050	8057	8065	8072	8082	8075	8067	8071
10[a]	8060	8058	8058	8062	8064	8066	8069	8085	8101	8121	8131	8124	8126	8118	8106
11[a]	8066	8069	8071	8073	8078	8084	8088	8096	8116	8131	8132	8130	8121	8109	8104
12[a]	8077	8077	8079	8082	8086	8086	8088	8101	8124	8134	8142	8134	8119	8100	8092
13	8067	8070	8073	8075	8078	8079	8095	8101	8114	8121	8124	8121	8104	8087	8084
14	8073	8085	8083	8075	8074	8089	8095	8111	8135	8151	8158	8165	8133	8107	8080
15	8063	8067	8063	8069	8068	8074	8081	8098	8104	8117	8110	8107	8082	8075	8072
16	8065	8068	8068	8076	8078	8083	8085	8095	8114	8129	8135	8133	8117	8101	8086
17[a]	8051	8053	8058	8061	8068	8072	8080	8099	8122	8142	8141	8136	8124	8112	8106
18[a]	8073	8076	8080	8081	8079	8079	8081	8091	8106	8113	8128	8125	8110	8100	8099
19	8071	8067	8064	8062	8057	8054	8049	8055	8068	8080	8088	8086	8080	8077	8083
20	8078	8079	8081	8082	8084	8090	8096	8119	8154	8182	8174	8139	8118	8071	8050
21	8030	8023	8054	8046	8037	8039	8031	8035	8060	8074	8091	8090	8084	8064	8062
22	8081	8070	8058	8063	8067	8075	8078	8087	8097	8090	8099	8109	8075	8086	8088
23	8061	8054	8052	8055	8058	8062	8077	8079	8092	8113	8118	8122	8105	8096	8064
24	8050	8047	8045	8039	8043	8046	8046	8045	8059	8080	8085	8085	8083	8076	8068
25	8041	8039	8044	8041	8038	8045	8043	8055	8063	8064	8081	8083	8085	8077	8056
26	8041	8039	8042	8039	8039	8036	8031	8038	8060	8066	8085	8083	8081	8069	8056
27	8036	8043	8043	8048	8056	8054	8039	8040	8061	8076	8093	8091	8066	8037	8020
28	8053	8054	8047	8050	8060	8047	8040	8043	8068	8091	8103	8106	8079	8035	8036
29	8053	8055	8051	8048	8055	8060	8065	8069	8074	8079	8101	8107	8094	8084	8073
30	8058	8066	8067	8069	8070	8074	8082	8096	8110	8122	8126	8115	8102	8085	8067
31	8052	8053	8055	8059	8060	8062	8066	8078	8094	8117	8120	8121	8117	8097	8080
Mean	8058	8058	8059	8059	8061	8063	8066	8075	8091	8106	8113	8112	8100	8084	8075
Mean[a]	8065	8067	8069	8072	8075	8077	8081	8094	8114	8128	8135	8132	8120	8108	8101

APRIL, 1911. 30000 γ plus tabular quantities.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8063	8061	8057	8053	8050	8050	8059	8072	8084	8107	8116	8113	8100	8089	8077
2	8050	8043	8051	8048	8051	8048	8052	8050	8070	8087	8100	8104	8098	8087	8076
3	8036	8035	8037	8038	8039	8037	8044	8048	8057	8076	8083	8086	8076	8071	8064
4	8035	8031	8030	8037	8037	8037	8041	8054	8069	8093	8100	8104	8091	8080	8069
5[a]	8026	8020	8027	8025	8025	8028	8032	8051	8067	8083	8093	8089	8080	8069	8060
6	8051	8050	8055	8060	8061	8061	8065	8074	8091	8108	8121	8117	8115	8102	8085
7	8052	8053	8050	8054	8061	8062	8062	8070	8085	8106	8121	8123	8118	8109	8101
8	8078	8081	8080	8077	8079	8089	8084	8089	8104	8117	8138	8128	8123	8121	8120
9	8107	8107	8114	8094	8117	8076	8066	8056	8061	8054	8054	8036	8014	7987	7994
10	8031	8040	8045	8045	8046	8038	8054	8058	8074	8108	8118	8080	8087	8080	8075
11	8061	8064	8065	8069	8067	8064	8057	8059	8061	8089	8108	8117	8116	8105	8094
12	8070	8069	8066	8069	8071	8073	8075	8086	8100	8124	8139	8136	8127	8110	8093
13[a]	8075	8077	8084	8080	8079	8081	8087	8101	8116	8131	8136	8132	8131	8122	8116
14[a]	8074	8073	8076	8077	8078	8076	8083	8096	8119	8144	8149	8144	8135	8124	8119
15[a]	8084	8083	8087	8085	8084	8086	8087	8090	8109	8133	8141	8132	8121	8111	8101
16	8076	8075	8080	8080	8090	8096	8107	8113	8119	8136	8135	8099	8088	8081	8078
17	8069	8082	8081	8072	8074	8073	8071	8080	8093	8100	8106	8108	8090	8085	8059
18	8070	8067	8063	8062	8054	8058	8063	8068	8077	8095	8107	8086	8084	8083	8085
19	8055	8060	8062	8060	8067	8067	8070	8074	8084	8096	8098	8094	8099	8077	8071
20	8059	8054	8060	8059	8061	8059	8063	8062	8088	8097	8088	8083	8078	8067	8058
21	8046	8046	8042	8044	8036	8040	8052	8054	8067	8109	8116	8127	8114	8105	8101
22	8076	8075	8095	8093	8082	8079	8072	8073	8075	8084	8087	8083	8070	8059	8071
23	8051	8053	8060	8057	8055	8054	8056	8053	8069	8077	8083	8078	8068	8056	8045
24	8049	8044	8044	8049	8046	9047	8039	8049	8061	8072	8083	8079	8077	8066	8059
25	8040	8033	8035	8040	8041	8049	8053	8058	8068	8068	8076	8079	8072	8060	8058
26[a]	8039	8038	8039	8036	8038	8036	8044	8048	8062	8072	8072	8070	8066	8063	8057
27	8051	8048	8050	8050	8053	8052	8058	8066	8078	8089	8091	8095	8091	8090	8087
28	8064	8063	8070	8077	8077	8077	8084	8091	8100	8092	8113	8111	8114	8090	8080
29	8039	8052	8049	8046	8049	8051	8054	8063	8074	8083	8082	8082	8075	8064	8039
30	8022	8027	8027	8026	8029	8031	8035	8054	8064	8077	8083	8083	8079	8083	8061
Mean	8057	8057	8059	8059	8060	8059	8062	8069	8082	8097	8105	8100	8093	8083	8075
Mean[a]	8060	8058	8063	8061	8061	8061	8067	8077	8095	8113	8118	8113	8107	8098	8091

[a] Five international quiet days.

HOURLY VALUES OF HORIZONTAL INTENSITY.

MARCH, 1911. 30000 γ plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
8085	8083	8073	8067	8060	8074	8062	8048	8052	8089	12 00	8137	23 00	8048	89	1
8062	8065	8061	8058	8057	8055	8051	8048	8041	8056	11 00	8084	7 30	8039	45	2
8090	8082	8080	8087	8079	8058	8049	8046	8055	8082	11 00	8134	2 00	8043	91	3
8081	8076	8067	8055	8051	8056	8055	8048	8053	8078	10 00	8116	23 00	8048	68	4
8056	8037	8023	8022	8026	8024	8024	8058	8026	8058	12 00	8102	15 28	8009	93	5
8065	8064	8062	8051	8049	8055	8052	8057	8058	8053	10 00	8084	0 38	8010	74	6
8082	8069	8069	8067	8058	8056	8053	8049	8034	8071	11 00	8121	24 00	8034	87	7
8077	8071	8064	8045	8035	8020	8041	8048	8050	8059	12 00	8115	21 00	8020	95	8
8063	8065	8063	8063	8062	8060	8059	8062	8062	8059	11 35	8084	7 00	8042	42	9
8092	8090	8087	8080	8072	8069	8069	8066	8068	8086	12 00	8134	2 30	8055	79	10
8099	8093	8090	8083	8080	8079	8078	8077	8077	8093	11 00	8132	1 00	8066	66	11
8090	8086	8085	8084	8079	8078	8075	8069	8068	8093	11 28	8144	24 00	8068	76	12
8096	8083	8073	8064	8067	8063	8059	8065	8065	8084	11 00	8124	22 00	8059	65	13
8076	8079	8080	8075	8073	8067	8067	8063	8064	8094	12 26	8168	23 00	8063	105	14
8067	8065	8062	8058	8047	8051	8060	8059	8059	8074	10 22	8120	20 23	8044	76	15
8071	8064	8057	8047	8046	8046	8043	8066	8058	8080	10 42	8137	22 00	8043	94	16
8098	8090	8082	8085	8084	8083	8081	8082	8076	8091	10 00	8142	1 00	8051	91	17
8101	8093	8091	8088	8088	8084	8078	8076	8074	8091	11 00	8128	1 00	8073	55	18
8090	8089	8087	8082	8077	8074	8077	8076	8078	8073	16 00	8090	7 00	8049	41	19
8045	8011	7984	7919	7929	7976	7973	7990	8022	8060	10 51	8228	19 00	7919	309	20
8065	8048	8045	8046	8032	8072	8055	8056	8081	8055	11 00	8091	1 28	8019	72	21
8085	8072	8067	8067	8053	8054	8049	8047	8055	8074	11 18	8114	23 00	8047	67	22
8060	8048	8036	8054	8063	8046	8055	8042	8055	8069	12 00	8122	18 12	8034	88	23
8049	8035	8015	8033	8038	8028	8022	8030	8045	8050	10 47	8086	18 00	8015	71	24
8044	8033	8042	8036	8048	8044	8032	8031	8032	8050	13 00	8085	23 00	8031	54	25
8030	8037	8041	8039	8037	8047	8029	8039	8033	8047	11 00	8085	21 53	8028	57	26
8007	8034	8020	8013	8013	8030	8046	8047	8049	8044	11 07	8094	16 11	8006	88	27
8047	8048	8051	8048	8052	8051	8049	8054	8051	8057	12 00	8106	14 14	8030	76	28
8063	8054	8045	8036	8041	8068	8044	8063	8053	8064	11 46	8110	19 00	8036	74	29
8054	8038	8030	8028	8027	8033	8043	8048	8046	8069	11 00	8126	20 00	8027	99	30
8069	8071	8069	8062	8054	8051	8051	8052	8049	8073	12 00	8121	24 00	8049	72	31
8070	8064	8058	8053	8051	8053	8051	8054	8054	8070	----------	8118	----------	8036	82	--------
8096	8090	8087	8084	8081	8079	8076	8074	8073	8091	----------	8136	----------	8063	73	--------

APRIL, 1911. 30000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
8069	8062	8054	8051	8049	8053	8052	8055	8054	8069	11 00	8116	20 00	8049	67	1
8064	8054	8046	8043	8043	8043	8037	8035	8037	8059	12 00	8104	23 00	8035	69	2
8057	8042	8045	8031	8024	8028	8027	8026	8029	8047	12 00	8086	20 00	8024	62	3
8059	8053	8048	8056	8045	8029	8035	8037	8032	8054	12 00	8104	21 00	8029	75	4
8052	8045	8044	8048	8050	8052	8049	8047	8050	8050	11 00	8093	2 00	8020	73	5
8070	8059	8055	8061	8059	8058	8053	8056	8053	8072	11 00	8121	2 00	8050	71	6
8096	8094	8093	8096	8097	8098	8093	8087	8084	8086	12 00	8123	3 00	8050	73	7
8108	8100	8099	8093	8120	8090	8094	8090	8107	8100	19 26	8144	4 00	8077	67	8
7987	7982	7956	7964	7950	7978	8011	8025	8029	8034	5 00	8117	20 00	7950	167	9
8061	8057	8061	8060	8056	8055	8070	8062	8060	8063	11 09	8120	1 00	8030	90	10
8084	8076	8075	8074	8075	8072	8070	8069	8069	8078	12 00	8117	7 00	8057	60	11
8087	8077	8080	8082	8071	8069	8069	8076	8080	8087	11 00	8139	3 00	8066	73	12
8102	8093	8090	8088	8085	8083	8078	8077	8079	8097	11 00	8136	1 00	8075	61	13
8112	8104	8102	8092	8094	8093	8091	8089	8087	8101	11 00	8149	2 00	8073	76	14
8093	8086	8081	8080	8080	8078	8077	8076	8076	8094	11 00	8141	23 30	8075	66	15
8075	8084	8084	8087	8077	8048	8047	8090	8067	8088	10 12	8138	22 28	8040	98	16
8029	8009	8059	8062	8064	8081	8062	8063	8060	8072	12 00	8108	17 00	8009	99	17
8077	8052	8053	8052	8068	8046	8041	8064	8053	8068	11 00	8107	21 32	8038	69	18
8070	8068	8064	8053	8045	8052	8050	8052	8051	8068	13 00	8099	20 00	8045	54	19
8039	8035	8046	8057	8048	8044	8042	8046	8048	8060	10 16	8107	16 49	8033	74	20
8098	8096	8087	8086	8070	8078	8076	8074	8080	8077	12 00	8127	5 00	8036	91	21
8066	8061	8052	8045	8046	8060	8041	8065	8048	8069	3 43	8098	22 40	8040	58	22
8039	8042	8041	8035	8052	8047	8043	8046	8051	8055	11 16	8089	19 14	8034	55	23
8058	8059	8050	8030	8029	8035	8032	8030	8028	8051	11 00	8083	24 00	8028	55	24
8061	8055	8051	8051	8045	8040	8041	8046	8044	8053	12 00	8079	2 00	8033	46	25
8054	8065	8062	8060	8058	8055	8053	8054	8053	8054	10 12	8074	6 20	8035	39	26
8075	8065	8066	8064	8064	8064	8064	8062	8064	8068	12 00	8095	2 00	8048	47	27
8062	8047	8039	8039	8041	8038	8035	8038	8038	8070	12 50	8123	22 12	8034	89	28
8026	8016	8015	8016	8011	8023	8013	8015	8017	8044	10 00	8083	20 15	8010	73	29
8020	8016	8026	8020	8015	8014	8012	8013	8016	8039	11 12	8084	22 00	8012	72	30
8065	8058	8057	8056	8054	8052	8052	8056	8055	8068	----------	8110	----------	8038	72	--------
8081	8079	8076	8074	8073	8072	8070	8069	8069	8079	----------	8119	----------	8056	63	--------

HOURLY VALUES OF HORIZONTAL INTENSITY.

MAY, 1911. 30000 γ plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1[a]	8018	8017	8016	8019	8018	8016	8020	8026	8045	8059	8076	8082	8079	8076	8071
2	8041	8042	8043	8038	8042	8041	8043	8055	8066	8075	8086	8091	8093	8085	8063
3	8033	8045	8044	8044	8047	8047	8052	8070	8079	8094	8106	8105	8092	8085	8072
4[a]	8031	8028	8028	8029	8030	8032	8037	8041	8049	8058	8070	8080	8079	8069	8064
5	8034	8038	8038	8039	8040	8044	8049	8055	8067	8079	8084	8092	8092	8082	8078
6	8037	8032	8035	8028	8017	8011	8008	8020	8018	8028	8047	8054	8053	8047	8045
7	8032	8022	8015	8011	8008	8009	8015	8020	8034	8051	8071	8072	8061	8027	8008
8	7989	8006	8010	8006	8006	8005	8010	8011	8017	8019	8029	8029	8026	8023	8022
9	8024	8023	8028	8023	8023	8032	8041	8052	8062	8074	8075	8078	8067	8056	8043
10	8029	8030	8030	8031	8035	8037	8044	8051	8065	8069	8075	8077	8080	8073	8058
11	8030	8032	8034	8031	8037	8047	8060	8076	8073	8086	8084	8081	8082	8079	8074
12	8025	8016	8010	8011	8009	8016	8022	8036	8047	8057	8057	8054	8048	8033	8026
13[a]	8011	8011	8013	8014	8011	8014	8017	8028	8038	8048	8066	8068	8062	8056	8045
14	8036	8038	8038	8038	8043	8043	8040	8049	8068	8082	8089	8091	8091	8083	8061
15	8042	8051	8043	8051	8059	8067	8033	8017	8023	8011	8008	8011	8014	7979	8004
16	8001	8005	8013	8013	8010	8005	8006	8017	8032	8042	8045	8045	8027	7997	8005
17	8017	8022	8018	8012	8009	8011	8014	8032	8043	8052	8060	8063	8056	8032	8015
18	8017	8015	8021	8019	8014	8017	8026	8043	8048	8057	8055	8041	8038	8034	8027
19	8032	8037	8033	8028	8027	8028	8027	8046	8059	8064	8070	8074	8060	8064	8060
20	8043	8040	8032	8038	8035	8040	8031	8054	8062	8076	8079	8083	8081	8078	8066
21	8020	8037	8019	8022	8022	8027	8028	8049	8060	8075	8083	8093	8100	8102	8078
22[a]	8021	8020	8024	8025	8026	8030	8041	8055	8073	8094	8089	8085	8079	8064	8052
23	8043	8040	8043	8040	8037	8039	8051	8062	8078	8092	8097	8095	8092	8085	8070
24[a]	8052	8046	8049	8047	8046	8050	8047	8055	8057	8070	8084	8083	8074	8071	8064
25	8044	8049	8050	8047	8049	8051	8053	8059	8062	8065	8061	8060	8059	8067	8067
26	8037	8038	8044	8046	8051	8060	8061	8065	8076	8080	8091	8090	8088	8085	8075
27	8037	8042	8040	8043	8048	8054	8055	8069	8077	8084	8081	8080	8080	8082	8076
28	8042	8043	8043	8043	8048	8051	8060	8070	8076	8076	8083	8082	8077	8074	8069
29	8043	8041	8042	8040	8040	8047	8058	8071	8075	8084	8086	8082	8080	8069	8065
30	8059	8062	8062	8063	8065	8067	8072	8083	8087	8091	8108	8104	8100	8089	8079
31	8021	8024	8030	8030	8034	8045	8069	8080	8064	8050	8058	8042	8045	8042	8054
Mean	8031	8032	8032	8031	8032	8035	8038	8049	8057	8066	8073	8073	8070	8061	8053
Mean[a]	8027	8024	8026	8027	8026	8028	8032	8041	8052	8066	8077	8080	8075	8067	8059

JUNE, 1911. 30000 γ plus tabular quantities.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8010	8017	8016	8020	8020	8031	8038	8041	8049	8051	8052	8052	8050	8045	8037
2	8030	8041	8039	8035	8034	8042	8054	8059	8064	8078	8090	8085	8083	8079	8073
3[a]	8044	8039	8042	8042	8042	8046	8049	8055	8070	8078	8082	8076	8078	8073	8066
4	8044	8048	8044	8042	8042	8047	8063	8071	8074	8086	8096	8094	8092	8088	8095
5	8061	8067	8045	8022	8033	8030	8042	8045	8070	8083	8084	8079	8079	8076	8067
6	8048	8040	8031	8036	8036	8032	8036	8041	8053	8070	8066	8064	8058	8058	8053
7	8035	8036	8036	8031	8036	8034	8045	8054	8059	8060	8067	8066	8068	8067	8065
8	8043	8037	8034	8033	8037	8041	8054	8063	8069	8073	8077	8078	8072	8072	8069
9	8046	8044	8046	8046	8048	8058	8064	8075	8083	8090	8093	8093	8085	8074	8072
10	8070	8068	8066	8064	8059	8047	8066	8076	8062	8050	8055	8054	8033	8030	8039
11	8050	8059	8056	8053	8052	8050	8052	8065	8067	8065	8069	8044	8036	8045	8028
12	8045	8036	8031	8034	8031	8037	8042	8048	8050	8071	8066	8064	8045	8029	8021
13	8027	8029	8035	8035	8036	8038	8045	8050	8052	8054	8054	8054	8043	8034	8030
14	8023	8022	8024	8027	8030	8034	8046	8051	8062	8074	8079	8078	8070	8049	8038
15	8025	8026	8027	8025	8026	8028	8032	8038	8048	8054	8056	8056	8061	8063	8061
16	8036	8034	8032	8036	8027	8031	8037	8049	8063	8073	8074	8077	8077	8068	8058
17[a]	8042	8046	8047	8044	8048	8053	8053	8061	8071	8071	8073	8071	8071	8058	8051
18[a]	8042	8043	8041	8039	8039	8044	8052	8063	8080	8088	8090	8086	8078	8072	8067
19[a]	8050	8054	8055	8053	8055	8058	8066	8076	8084	8095	8102	8095	8088	8085	8075
20	8054	8054	8051	8052	8051	8056	8059	8070	8086	8095	8103	8106	8098	8086	8081
21	8051	8057	8056	8056	8056	8069	8080	8088	8099	8109	8112	8104	8086	8082	8070
22	8050	8046	8046	8047	8055	8059	8062	8072	8082	8077	8085	8077	8086	8085	8076
23	8060	8058	8068	8060	8058	8056	8060	8065	8079	8085	8089	8092	8092	8087	8082
24	8065	8060	8060	8065	8063	8067	8070	8074	8082	8085	8100	8103	8098	8094	8084
25[a]	8069	8068	8069	8069	8065	8066	8076	8081	8085	8098	8103	8102	8096	8096	8089
26	8056	8051	8050	8049	8047	8051	8056	8060	8061	8069	8073	8074	8076	8080	8080
27	8061	8066	8066	8064	8064	8072	8081	8088	8094	8104	8111	8120	8122	8124	8116
28	8076	8075	8081	8079	8078	8084	8098	8109	8119	8127	8120	8115	8112	8109	8104
29	8083	8082	8080	8079	8076	8086	8094	8109	8121	8132	8142	8128	8116	8108	8095
30	8067	8071	8067	8065	8061	8070	8081	8096	8103	8119	8133	8131	8127	8118	8105
Mean	8049	8049	8048	8047	8047	8051	8058	8066	8075	8082	8087	8084	8079	8074	8068
Mean[a]	8049	8050	8051	8049	8050	8053	8059	8067	8078	8086	8090	8086	8082	8077	8070

[a] Five international quiet days.

HOURLY VALUES OF HORIZONTAL INTENSITY.

MAY, 1911. 30000 γ plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
8065	8061	8060	8059	8051	8050	8049	8045	8042	8047	12 00	8082	3 20	8015	67	1
8042	8031	8043	8044	8042	8037	8033	8032	8042	8052	13 00	8093	16 36	8030	63	2
8057	8051	8047	8046	8042	8040	8039	8035	8029	8059	11 00	8106	24 00	8029	77	3
8054	8044	8042	8039	8037	8039	8038	8039	8037	8046	12 00	8080	2 30	8027	53	4
8072	8062	8052	8054	8050	8047	8042	8041	8038	8057	12 30	8093	1 00	8034	59	5
8046	8048	8045	8045	8044	8047	8047	8037	8035	8036	12 00	8054	7 00	8008	46	6
7986	7973	7973	7957	7918	7937	7943	7948	7958	8002	11 12	8073	19 53	7916	157	7
8008	8014	8021	8023	8021	8024	8026	8027	8026	8017	11 19	8032	0 01	7959	73	8
8037	8031	8028	8023	8020	8019	8022	8026	8024	8039	11 24	8079	20 46	8018	61	9
8041	8034	8029	8034	8035	8037	8036	8034	8034	8046	13 00	8080	0 01	8025	55	10
8063	8050	8044	8043	8041	8026	8009	8003	8003	8050	10 00	8086	23 16	8001	85	11
8023	8015	8013	8017	8015	8015	8011	8010	8008	8025	10 26	8060	0 01	8004	56	12
8027	8029	8030	8033	8030	8031	8033	8030	8027	8032	12 00	8068	0 01	8009	59	13
8050	8044	8030	8021	8026	8032	8030	8032	8031	8049	11 54	8092	19 10	8020	72	14
7981	7980	7983	7993	7992	7991	7998	8002	8005	8014	5 38	8072	16 25	7974	98	15
8003	8000	7997	8004	8004	8019	8017	8007	8009	8013	11 47	8050	14 24	7991	59	16
8003	8004	7996	8011	8008	8010	8023	8014	8010	8022	12 00	8063	18 00	7996	67	17
8029	8037	8034	8044	8040	8037	8036	8032	8024	8033	10 00	8057	0 01	8011	46	18
8043	8043	8047	8050	8040	8039	8035	8039	8038	8045	12 00	8074	0 01	8025	49	19
8053	8034	8033	8044	8033	8011	8006	8021	8021	8046	12 00	8083	22 00	8006	77	20
8061	8037	8012	8011	8019	8026	8029	8026	8031	8044	14 00	8102	18 40	8007	95	21
8050	8039	8037	8039	8043	8039	8038	8037	8036	8047	10 00	8094	2 00	8020	74	22
8066	8059	8057	8057	8055	8053	8049	8053	8048	8061	11 00	8097	5 00	8037	60	23
8060	8055	8046	8050	8050	8041	8039	8038	8045	8055	11 00	8084	22 50	8037	47	24
8066	8062	8059	8058	8056	8042	8038	8037	8028	8054	14 25	8068	23 50	8027	41	25
8062	8058	8054	8050	8042	8046	8044	8039	8039	8059	11 00	8091	0 01	8029	62	26
8058	8042	8030	8029	8035	8041	8039	8043	8045	8055	10 00	8084	18 36	8027	57	27
8057	8043	8045	8047	8046	8047	8048	8048	8045	8057	11 00	8083	1 00	8042	41	28
8063	8058	8050	8049	8057	8055	8053	8053	8058	8059	11 00	8086	4 52	8039	47	29
8076	8070	8052	8047	8046	8047	8033	8022	8022	8067	11 00	8108	23 05	8021	87	30
8059	8051	8033	8023	8016	8013	8011	8010	8008	8038	8 00	8080	24 00	8008	72	31
8044	8037	8033	8034	8031	8030	8029	8028	8027	8043	----------	8079	----------	8013	66	--------
8051	8046	8043	8044	8042	8040	8039	8038	8037	8045	----------	8082	----------	8022	60	--------

JUNE, 1911. 30000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
8025	8016	8014	8023	8029	8035	8034	8030	8030	8032	11 30	8053	0 01	8009	44	1
8062	8053	8047	8051	8050	8049	8046	8041	8042	8055	11 00	8090	1 22	8029	61	2
8060	8059	8052	8054	8055	8055	8056	8052	8048	8057	11 00	8082	2 00	8039	43	3
8091	8086	8070	8065	8068	8060	8058	8055	8062	8068	11 00	8096	4 30	8041	55	4
8039	8006	8017	8027	8031	8031	8037	8035	8031	8047	11 00	8084	17 15	8003	81	5
8043	8029	8010	7993	8018	8026	8031	8033	8039	8039	11 00	8070	18 41	7992	78	6
8062	8054	8044	8043	8041	8040	8044	8044	8040	8049	13 00	8068	4 00	8031	37	7
8057	8051	8047	8048	8047	8045	8043	8040	8040	8053	12 00	8078	4 00	8033	45	8
8065	8056	8053	8054	8054	8052	8052	8052	8053	8063	11 30	8094	0 01	8041	53	9
8031	8044	8043	8050	8050	8051	8053	8052	8051	8053	4 26	8087	15 35	8016	71	10
8032	8033	8032	8031	8026	8046	8043	8039	8037	8046	11 00	8069	20 00	8026	43	11
8020	8022	8025	8020	8019	8018	8023	8025	8032	8036	10 44	8072	19 44	8017	55	12
8035	8031	8026	8026	8019	8013	8019	8026	8019	8035	10 05	8057	21 00	8013	44	13
8031	8021	8023	8026	8030	8028	8026	8025	8026	8039	11 00	8079	16 27	8017	62	14
8051	8051	8046	8045	8042	8036	8039	8038	8037	8042	14 00	8063	3 20	8024	39	15
8054	8048	8041	8043	8048	8040	8039	8041	8044	8049	12 55	8078	5 00	8027	51	16
8049	8045	8044	8044	8040	8041	8040	8040	8037	8052	11 00	8073	24 00	8037	36	17
8066	8061	8055	8052	8050	8047	8047	8048	8046	8058	11 00	8090	0 01	8038	52	18
8065	8055	8050	8052	8050	8048	8051	8052	8055	8065	11 00	8102	0 01	8047	55	19
8072	8063	8053	8048	8051	8048	8043	8050	8050	8066	12 00	8106	22 00	8043	63	20
8077	8074	8070	8064	8062	8059	8052	8042	8052	8072	11 00	8112	22 50	8041	71	21
8072	8068	8061	8066	8061	8060	8059	8060	8058	8065	13 00	8086	2 30	8045	41	22
8081	8076	8069	8066	8069	8059	8066	8060	8060	8071	12 25	8094	6 00	8056	38	23
8076	8078	8076	8073	8075	8071	8074	8073	8072	8077	12 00	8103	2 20	8059	44	24
8086	8082	8076	8073	8070	8067	8062	8059	8059	8078	11 00	8103	23 30	8058	45	25
8079	8072	8064	8063	8061	8061	8060	8061	8061	8063	2 30	8081	5 00	8047	34	26
8104	8088	8082	8083	8083	8081	8079	8076	8075	8088	14 00	8124	1 00	8061	63	27
8102	8092	8080	8068	8064	8071	8067	8075	8076	8091	10 00	8127	20 22	8060	67	28
8080	8076	8073	8073	8077	8077	8078	8078	8073	8092	11 00	8142	17 55	8072	70	29
8099	8097	8097	8094	8089	8084	8081	8084	8083	8093	11 00	8133	5 00	8061	72	30
8062	8056	8051	8051	8051	8050	8050	8050	8050	8060	----------	8090	----------	8036	54	--------
8065	8060	8055	8055	8053	8052	8051	8050	8049	8062	----------	8090	----------	8044	46	--------

HOURLY VALUES OF HORIZONTAL INTENSITY.

JULY, 1911. 30000 γ plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8080	8082	8082	8077	8075	8080	8084	8101	8128	8138	8144	8133	8129	8101	8091
2	8051	8059	8059	8061	8061	8060	8076	8086	8092	8086	8108	8106	8102	8102	8095
3	8070	8072	8074	8074	8073	8076	8075	8085	8086	8094	8092	8092	8097	8089	8071
4	8045	8048	8054	8054	8059	8063	8074	8079	8083	8097	8101	8100	8098	8089	8082
5	8058	8061	8057	8053	8055	8058	8068	8074	8081	8089	8100	8101	8096	8086	8078
6	8054	8054	8053	8052	8054	8067	8074	8077	8087	8106	8110	8108	8103	8098	8095
7	8078	8077	8072	8076	8075	8077	8087	8104	8106	8113	8108	8105	8093	8093	8092
8	8062	8063	8066	8063	8064	8068	8075	8082	8083	8068	8076	8097	8103	8113	8103
9	8079	8074	8073	8069	8069	8076	8075	8079	8096	8107	8121	8117	8110	8098	8092
10	8069	8067	8068	8066	8068	8069	8077	8077	8087	8097	8112	8117	8115	8113	8108
11	8078	8080	8081	8085	8088	8092	8095	8099	8103	8107	8112	8107	8107	8099	8082
12	8077	8076	8074	8069	8075	8078	8083	8084	8086	8088	8094	8099	8099	8101	8096
13[a]	8074	8072	8070	8070	8076	8083	8091	8094	8111	8123	8123	8122	8113	8102	8095
14[a]	8082	8078	8085	8085	8090	8092	8096	8098	8107	8118	8119	8126	8118	8109	8099
15[a]	8094	8090	8091	8091	8092	8092	8098	8102	8105	8115	8121	8122	8122	8110	8101
16[a]	8089	8088	8090	8092	8087	8091	8095	8103	8121	8133	8131	8141	8131	8118	8110
17	8089	8096	8096	8093	8094	8095	8099	8104	8113	8121	8127	8132	8128	8117	8113
18	8085	8080	8081	8088	8092	8084	8096	8078	8084	8099	8104	8108	8116	8118	8099
19	8085	8077	8083	8085	8083	8084	8084	8083	8099	8097	8092	8100	8092	8081	8097
20	8072	8074	8078	8079	8077	8079	8085	8088	8098	8113	8116	8117	8116	8111	8092
21	8083	8085	8082	8081	8075	8079	8087	8097	8103	8108	8105	8106	8108	8110	8103
22	8086	8088	8089	8086	8086	8095	8101	8110	8113	8110	8112	8108	8107	8102	8091
23	8082	8083	8080	8080	8085	8092	8102	8112	8113	8111	8113	8113	8108	8105	8100
24	8086	8087	8088	8088	8088	8090	8090	8088	8088	8093	8103	8113	8113	8114	8110
25	8098	8090	8089	8090	8094	8103	8112	8123	8127	8132	8128	8126	8122	8120	8117
26[a]	8106	8102	8101	8102	8100	8100	8103	8115	8137	8146	8145	8139	8134	8125	8118
27	8093	8096	8092	8092	8097	8102	8112	8123	8131	8141	8142	8140	8143	8142	8135
28	8111	8107	8097	8100	8104	8105	8120	8141	8151	8180	8165	8156	8144	8123	8110
29	8083	8080	8095	8092	8093	8096	8090	8089	8101	8126	8137	8111	8113	8111	8104
30	8086	8082	8086	8083	8083	8088	8096	8097	8100	8104	8119	8121	8118	8105	8095
31	8075	8075	8072	8078	8079	8080	8090	8106	8115	8127	8129	8132	8135	8136	8122
Mean	8079	8079	8079	8079	8080	8084	8090	8096	8104	8112	8117	8117	8114	8108	8100
Mean[a]	8089	8086	8087	8088	8089	8092	8097	8102	8116	8127	8129	8130	8124	8113	8105

AUGUST, 1911. 30000 γ plus tabular quantities.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8095	8095	8093	8090	8087	8087	8093	8101	8110	8121	8125	8126	8118	8105	8096
2	8083	8086	8092	8092	8093	8095	8101	8107	8115	8123	8132	8127	8124	8116	8106
3	8097	8098	8098	8109	8109	8106	8132	8142	8150	8160	8168	8164	8139	8121	8104
4	8087	8085	8088	8090	8087	8090	8092	8098	8100	8103	8122	8112	8105	8099	8085
5	8082	8086	8088	8089	8087	8106	8117	8128	8130	8125	8120	8126	8123	8117	8112
6	8092	8092	8090	8091	8096	8099	8092	8093	8096	8098	8095	8112	8116	8116	8109
7[a]	8088	8093	8090	8091	8091	8093	8100	8109	8113	8125	8128	8135	8128	8118	8114
8[a]	8096	8098	8096	8097	8094	8097	8103	8114	8130	8144	8141	8140	8132	8126	8120
9	8102	8101	8099	8097	8096	8102	8115	8124	8145	8154	8155	8156	8143	8138	8128
10[a]	8110	8110	8108	8109	8109	8115	8125	8144	8154	8157	8153	8147	8144	8133	8128
11[a]	8092	8094	8097	8098	8099	8101	8108	8113	8122	8139	8142	8137	8129	8121	8112
12	8099	8102	8101	8101	8104	8104	8112	8117	8126	8134	8133	8128	8123	8118	8111
13	8101	8104	8108	8107	8107	8110	8118	8128	8141	8154	8145	8131	8115	8109	8095
14	8080	8093	8089	8088	8088	8091	8096	8104	8108	8116	8120	8120	8113	8103	8091
15	8078	8079	8080	8081	8084	8088	8095	8105	8113	8126	8128	8133	8125	8119	8108
16	8075	8073	8075	8075	8079	8086	8090	8095	8100	8108	8106	8104	8100	8093	8068
17	8068	8073	8079	8079	8082	8087	8098	8100	8105	8116	8118	8121	8114	8107	8100
18	8077	8076	8080	8083	8085	8089	8090	8099	8103	8109	8118	8112	8109	8102	8098
19	8074	8076	8082	8080	8080	8081	8088	8095	8104	8108	8104	8101	8099	8095	8092
20	8086	8084	8084	8079	8068	8088	8086	8093	8097	8112	8119	8110	8120	8117	8105
21	8062	8067	8070	8070	8074	8075	8083	8087	8096	8098	8102	8101	8094	8089	8085
22	8064	8065	8067	8071	8071	8076	8090	8102	8108	8112	8116	8121	8118	8116	8107
23	8079	8086	8086	8092	8089	8085	8091	8104	8122	8142	8148	8152	8136	8127	8123
24	8042	8055	8055	8052	8058	8051	8048	8039	8055	8063	8061	8051	8047	8051	8049
25	8044	8054	8046	8044	8049	8050	8054	8062	8069	8064	8060	8062	8063	8062	8041
26	8059	8057	8050	8057	8057	8068	8078	8079	8090	8100	8102	8098	8088	8079	8061
27	8044	8048	8041	8037	8039	8036	8049	8063	8066	8056	8068	8066	8058	8046	8049
28	8040	8046	8041	8047	8047	8048	8049	8058	8061	8076	8080	8072	8073	8079	8059
29[a]	8051	8053	8048	8055	8055	8052	8060	8068	8091	8100	8102	8099	8087	8084	8075
30	8059	8060	8061	8059	8060	8060	8062	8062	8067	8079	8080	8079	8073	8070	8068
31	8062	8062	8062	8061	8063	8065	8066	8067	8079	8081	8092	8091	8090	8079	8074
Mean	8076	8079	8079	8080	8080	8083	8090	8097	8105	8113	8116	8114	8108	8102	8093
Mean[a]	8087	8090	8088	8090	8090	8092	8099	8110	8122	8133	8133	8132	8124	8116	8110

[a] Five international quiet days.

HOURLY VALUES OF HORIZONTAL INTENSITY.

JULY, 1911. 30000 γ plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
8079	8063	8066	8056	8059	8047	8051	8046	8043	8085	11 00	8144	23 16	8029	115	1
8077	8076	8067	8075	8072	8069	8052	8069	8066	8076	11 00	8108	0 01	8044	64	2
8054	8048	8041	8040	8037	8040	8043	8046	8051	8068	13 00	8097	20 00	8037	60	3
8073	8064	8064	8070	8066	8064	8065	8064	8060	8072	11 00	8101	1 00	8045	56	4
8071	8070	8066	8064	8064	8067	8064	8060	8057	8071	12 00	8101	4 00	8053	48	5
8095	8096	8089	8090	8090	8090	8079	8068	8077	8082	11 00	8110	4 00	8052	58	6
8088	8071	8051	8046	8050	8052	8066	8072	8066	8080	10 00	8113	19 00	8046	67	7
8089	8054	8046	8057	8065	8064	8083	8068	8070	8074	14 00	8113	18 00	8046	67	8
8084	8079	8076	8076	8066	8074	8070	8058	8066	8083	11 00	8121	23 00	8058	63	9
8102	8097	8088	8074	8070	8071	8072	8074	8075	8085	12 00	8117	4 00	8066	51	10
8085	8085	8076	8075	8073	8073	8073	8073	8078	8088	11 00	8112	22 15	8072	40	11
8076	8074	8072	8077	8076	8076	8077	8075	8073	8081	14 00	8101	4 22	8067	34	12
8088	8087	8086	8084	8085	8083	8083	8085	8081	8091	10 45	8124	4 10	8069	55	13
8089	8084	8082	8084	8085	8085	8084	8088	8089	8095	12 00	8126	2 00	8078	48	14
8095	8089	8088	8083	8083	8083	8085	8085	8088	8097	12 22	8123	18 30	8082	41	15
8103	8095	8093	8095	8094	8092	8093	8096	8097	8104	12 00	8141	5 00	8087	54	16
8104	8104	8101	8104	8089	8088	8088	8091	8091	8103	12 00	8132	22 44	8082	50	17
8089	8082	8079	8070	8063	8069	8062	8082	8080	8087	12 40	8132	22 00	8062	70	18
8090	8074	8078	8068	8083	8073	8067	8074	8068	8083	12 12	8106	19 12	8062	44	19
8092	8089	8083	8083	8077	8079	8082	8079	8080	8089	12 00	8117	0 18	8069	48	20
8098	8095	8092	8083	8083	8082	8079	8080	8080	8091	14 00	8110	5 41	8074	36	21
8089	8079	8070	8085	8085	8081	8085	8079	8082	8092	9 22	8115	18 00	8070	45	22
8095	8093	8089	8082	8081	8087	8086	8087	8087	8094	10 55	8114	4 10	8078	36	23
8119	8114	8107	8110	8120	8101	8091	8086	8080	8099	16 15	8121	24 00	8080	41	24
8114	8112	8108	8102	8102	8102	8103	8105	8103	8109	10 00	8132	0 22	8074	58	25
8106	8100	8095	8092	8091	8089	8089	8090	8090	8109	10 00	8146	21 20	8088	58	26
8125	8120	8109	8109	8109	8109	8108	8106	8108	8116	13 00	8143	0 01	8090	53	27
8118	8108	8088	8048	8059	8059	8060	8070	8077	8108	10 00	8180	19 23	8042	138	28
8077	8080	8071	8079	8069	8082	8072	8079	8079	8092	11 00	8137	20 28	8064	73	29
8086	8069	8077	8074	8077	8078	8075	8077	8082	8090	11 53	8124	16 51	8067	57	30
8108	8096	8088	8090	8095	8096	8093	8092	8095	8100	14 00	8136	3 00	8072	64	31
8092	8085	8080	8078	8078	8078	8077	8078	8078	8090	----------	8122	----------	8064	58	--------
8096	8091	8089	8088	8088	8086	8087	8089	8089	8099	----------	8132	----------	8081	51	--------

AUGUST, 1911. 30000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
8085	8083	8082	8082	8084	8085	8083	8082	8083	8095	11 27	8128	18 46	8078	50	1
8096	8092	8090	8090	8092	8092	8091	8094	8095	8101	11 00	8132	1 00	8083	49	2
8084	8073	8078	8077	8080	8086	8077	8080	8087	8109	11 00	8168	17 00	8073	95	3
8080	8077	8068	8078	8079	8085	8083	8084	8084	8090	11 00	8122	18 00	8068	54	4
8107	8103	8096	8095	8096	8094	8088	8083	8091	8104	8 45	8132	1 00	8082	50	5
8099	8095	8094	8088	8091	8091	8087	8087	8086	8096	13 06	8120	24 00	8086	34	6
8111	8104	8100	8097	8096	8094	8094	8092	8096	8104	12 00	8135	0 01	8086	49	7
8114	8110	8104	8103	8104	8102	8104	8103	8104	8112	10 24	8146	5 00	8094	52	8
8118	8114	8108	8106	8104	8105	8105	8107	8108	8118	11 23	8161	3 46	8095	66	9
8120	8110	8090	8088	8092	8091	8092	8093	8094	8117	10 00	8157	18 27	8084	73	10
8107	8101	8098	8097	8098	8098	8102	8104	8100	8109	11 00	8142	1 00	8092	50	11
8108	8101	8101	8100	8100	8096	8097	8100	8102	8109	10 00	8134	21 00	8096	38	12
8088	8072	8080	8080	8077	8078	8078	8085	8085	8104	10 14	8159	16 40	8067	92	13
8078	8069	8064	8063	8062	8070	8070	8071	8078	8089	11 13	8121	20 00	8062	59	14
8100	8095	8087	8085	8082	8080	8079	8079	8076	8096	12 00	8133	24 00	8076	57	15
8059	8048	8051	8056	8058	8059	8061	8066	8069	8077	10 00	8108	17 00	8048	60	16
8090	8080	8078	8076	8071	8068	8073	8077	8077	8089	11 40	8122	0 09	8067	55	17
8095	8090	8083	8076	8073	8073	8076	8076	8077	8090	11 00	8118	20 30	8072	46	18
8087	8079	8078	8078	8078	8081	8076	8076	8085	8087	10 00	8108	1 00	8074	34	19
8094	8087	8084	8075	8070	8069	8061	8059	8058	8088	11 11	8122	23 26	8056	66	20
8082	8075	8064	8059	8060	8059	8059	8060	8063	8076	11 00	8102	21 25	8058	44	21
8100	8093	8084	8083	8082	8081	8082	8082	8083	8091	12 00	8121	1 00	8064	57	22
8109	8076	8052	8042	8022	8048	8011	8040	8037	8087	11 48	8154	22 09	8009	145	23
8039	8035	8038	8035	8048	8031	8032	8049	8051	8047	9 45	8075	19 42	8014	61	24
8040	8048	8040	8049	8039	8030	8050	8047	8049	8051	8 49	8075	20 47	8028	47	25
8058	8044	8048	8038	8039	8046	8037	8047	8030	8063	11 09	8104	24 00	8030	74	26
8053	8048	8047	8054	8042	8032	8032	8033	8040	8048	11 00	8068	22 13	8030	38	27
8059	8058	8058	8054	8056	8051	8049	8046	8053	8057	11 00	8080	0 32	8038	42	28
8072	8071	8067	8058	8063	8057	8054	8051	8060	8068	11 00	8102	3 00	8048	54	29
8068	8068	8066	8067	8064	8063	8059	8061	8057	8066	11 00	8080	24 00	8057	23	30
8060	8050	8054	8039	8053	8050	8039	8048	8049	8064	11 00	8092	19 06	8038	54	31
8086	8079	8075	8073	8073	8072	8070	8073	8074	8087	----------	8120	----------	8063	57	--------
8105	8099	8092	8089	8091	8088	8089	8089	8091	8102	----------	8136	----------	8081	55	--------

HOURLY VALUES OF HORIZONTAL INTENSITY.

SEPTEMBER, 1911. 30000 γ plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8052	8058	8057	8059	8059	8062	8063	8067	8070	8081	8086	8082	8084	8079	8082
2[a]	8066	8066	8063	8063	8064	8069	8072	8077	8083	8094	8111	8111	8104	8098	8092
3[a]	8053	8055	8059	8059	8061	8063	8064	8068	8086	8094	8102	8098	8092	8089	8089
4	8079	8080	8079	8080	8085	8088	8104	8115	8123	8124	8124	8121	8119	8114	8107
5	8091	8092	8093	8094	8095	8097	8099	8109	8128	8139	8146	8145	8140	8138	8133
6	8097	8096	8100	8100	8102	8102	8097	8102	8112	8122	8128	8131	8125	8120	8112
7	8109	8106	8105	8110	8108	8106	8113	8115	8115	8118	8125	8126	8112	8108	8109
8	8087	8088	8089	8087	8088	8090	8092	8118	8130	8152	8156	8156	8148	8136	8128
9	8093	8093	8098	8100	8098	8102	8103	8104	8112	8127	8134	8125	8119	8116	8105
10	8072	8072	8077	8085	8087	8094	8098	8110	8114	8117	8105	8103	8102	8096	8087
11	8051	8057	8058	8057	8061	8061	8061	8066	8082	8094	8105	8108	8105	8105	8103
12	8064	8067	8069	8073	8081	8083	8088	8095	8102	8116	8117	8108	8102	8099	8098
13	8069	8074	8071	8077	8075	8078	8076	8074	8093	8104	8103	8096	8080	8074	8080
14[a]	8069	8074	8073	8076	8076	8076	8077	8081	8090	8101	8113	8114	8101	8092	8082
15	8070	8075	8074	8073	8074	8072	8068	8073	8084	8094	8108	8107	8091	8089	8092
16	8074	8069	8071	8069	8073	8068	8070	8070	8071	8090	8086	8088	8082	8066	8050
17	8067	8060	8052	8057	8057	8063	8063	8067	8068	8070	8067	8064	8072	8077	8078
18	8061	8064	8063	8062	8068	8067	8060	8065	8067	8067	8074	8070	8071	8070	8070
19	8059	8059	8058	8058	8057	8055	8059	8063	8074	8088	8089	8092	8089	8085	8080
20	8070	8071	8076	8058	8066	8067	8073	8082	8087	8100	8067	8049	8030	8045	8034
21	8027	8041	8031	8033	8030	8030	8031	8032	8038	8043	8058	8063	8060	8052	8030
22	8016	8027	8029	8032	8033	8032	8029	8036	8043	8050	8064	8061	8032	8029	8032
23	8044	8030	8035	8036	8033	8032	8033	8027	8036	8043	8043	8044	8041	8044	8044
24	8037	8037	8036	8039	8038	8035	8036	8038	8052	8071	8084	8083	8076	8065	8057
25[a]	8046	8050	8049	8047	8046	8047	8045	8047	8063	8074	8081	8085	8076	8064	8057
26[a]	8048	8046	8044	8047	8046	8045	8044	8051	8058	8071	8077	8077	8069	8060	8061
27	8056	8056	8059	8056	8060	8057	8060	8060	8068	8075	8074	8069	8059	8052	8048
28	8036	8035	8042	8042	8040	8041	8047	8058	8077	8090	8097	8092	8079	8070	8057
29	8042	8040	8040	8041	8037	8045	8050	8058	8072	8081	8082	8072	8055	8046	8040
30	8028	8030	8031	8030	8030	8031	8036	8046	8063	8077	8091	8079	8069	8053	8042
Mean	8061	8062	8063	8063	8064	8065	8067	8072	8082	8092	8097	8094	8086	8081	8076
Mean[a]	8056	8058	8058	8058	8059	8060	8060	8065	8076	8087	8097	8097	8088	8081	8076

OCTOBER, 1911. 30000 γ plus tabular quantities.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1[a]	8023	8024	8025	8026	8025	8026	8027	8033	8042	8056	8068	8070	8061	8050	8043
2	8026	8026	8027	8030	8032	8034	8038	8049	8057	8059	8064	8062	8066	8059	8052
3	8018	8022	8019	8019	8017	8017	8024	8041	8049	8052	8059	8066	8058	8053	8043
4	8015	8020	8016	8013	8013	8013	8016	8027	8047	8073	8083	8077	8070	8054	8043
5[a]	8032	8031	8035	8034	8033	8031	8034	8041	8050	8063	8073	8075	8066	8062	8048
6	8016	8016	8016	8019	8020	8029	8033	8041	8049	8060	8071	8071	8063	8055	8048
7	8021	8023	8027	8026	8028	8031	8034	8041	8057	8067	8083	8085	8056	8039	8026
8	7999	8005	8009	8007	8006	8011	8012	8026	8035	8055	8058	8053	8039	8026	8026
9	8009	8015	8014	8014	8015	8015	8020	8031	8043	8044	8044	8040	8027	8015	8016
10	8008	8007	8010	8009	8008	8013	8015	8024	8043	8055	8064	8057	8048	8043	8044
11	7992	8001	8018	8013	8017	8005	7993	7974	7993	8007	8023	8023	8015	8007	7996
12	7996	8000	8001	8000	8004	8004	8006	8008	8027	8039	8043	8042	8037	8030	8025
13	8003	7998	8003	8009	8014	8008	8005	8018	8024	8026	8031	8034	8028	8021	8018
14	8008	8009	8009	8010	8013	8012	8009	8007	8034	8043	8059	8061	8053	8046	8039
15[a]	8014	8021	8021	8022	8023	8021	8022	8028	8039	8053	8063	8063	8051	8039	8033
16	8021	8019	8022	8024	8022	8023	8026	8034	8042	8055	8067	8065	8062	8058	8051
17	8022	8011	8016	8016	8020	8013	8019	8035	8040	8053	8060	8073	8069	8049	8041
18	7996	8007	8001	8000	8008	8019	8022	8030	8036	8046	8058	8056	8057	8035	8029
19	8008	8025	8019	8013	8019	8009	8009	8028	8037	8046	8053	8057	8047	8043	8028
20	8016	8018	8021	8023	8025	8024	8023	8033	8045	8051	8057	8054	8044	8033	8027
21	8007	8013	8015	8015	8016	8015	8016	8023	8030	8038	8042	8044	8040	8031	8030
22	8006	8008	8009	8009	8003	8010	8012	8018	8029	8041	8041	8037	8036	8026	8023
23[a]	8015	8012	8021	8018	8016	8015	8018	8025	8035	8045	8058	8059	8056	8045	8028
24	8012	8010	8012	8012	8017	8015	8023	8033	8046	8059	8061	8065	8053	8053	8038
25	8016	8012	8018	8018	8017	8023	8024	8030	8038	8051	8057	8055	8048	8041	8043
26	8019	8022	8023	8004	8000	8005	8005	8016	8029	8041	8048	8052	8043	8034	8033
27	8026	8024	8022	8023	8024	8023	8026	8033	8049	8058	8071	8079	8065	8064	8056
28[a]	8029	8028	8024	8026	8026	8029	8032	8044	8049	8059	8064	8062	8058	8053	8042
29	8030	8033	8032	8031	8029	8033	8039	8050	8061	8075	8078	8079	8071	8064	8061
30	8036	8031	8031	8031	8028	8030	8033	8044	8064	8077	8082	8077	8069	8065	8058
31	8037	8039	8037	8035	8034	8039	8042	8046	8061	8075	8081	8083	8081	8077	8072
Mean	8015	8017	8018	8018	8018	8019	8021	8029	8041	8052	8060	8061	8053	8044	8037
Mean[a]	8023	8023	8025	8025	8025	8024	8027	8034	8043	8055	8065	8066	8058	8050	8039

[a] Five international quiet days.

HOURLY VALUES OF HORIZONTAL INTENSITY.

SEPTEMBER, 1911.

30000 γ plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
8072	8067	8071	8068	8063	8062	8062	8068	8066	8068	11 00	8086	1 00	8052	34	1
8082	8067	8057	8054	8050	8057	8058	8063	8061	8074	11 30	8112	20 00	8050	62	2
8087	8085	8077	8075	8071	8073	8077	8080	8080	8077	11 00	8102	1 00	8053	49	3
8104	8100	8093	8088	8085	8086	8086	8087	8092	8098	10 30	8125	1 12	8078	47	4
8121	8116	8112	8121	8114	8109	8098	8095	8093	8113	11 00	8146	1 00	8091	55	5
8110	8112	8107	8107	8103	8105	8102	8102	8099	8108	12 00	8131	0 01	8093	38	6
8114	8108	8102	8097	8100	8100	8095	8091	8091	8108	12 00	8126	22 50	8091	35	7
8120	8110	8100	8091	8092	8092	8096	8094	8096	8110	11 32	8157	0 51	8085	72	8
8098	8091	8086	8079	8079	8079	8079	8076	8073	8099	11 00	8134	24 00	8073	61	9
8085	8072	8065	8050	8042	8047	8058	8054	8052	8081	10 00	8117	20 00	8042	75	10
8096	8094	8089	8088	8083	8084	8064	8066	8054	8079	12 00	8108	1 00	8051	57	11
8098	8099	8089	8083	8078	8061	8069	8068	8084	8087	11 00	8117	20 54	8058	59	12
8080	8074	8065	8066	8064	8056	8061	8066	8067	8076	10 18	8106	21 21	8051	55	13
8078	8077	8077	8075	8075	8074	8071	8073	8072	8082	12 00	8114	0 01	8067	47	14
8097	8090	8084	8079	8073	8075	8071	8072	8076	8082	11 00	8108	7 00	8068	40	15
8045	8052	8048	8050	8045	8061	8043	8052	8050	8064	10 19	8097	20 08	8041	56	16
8074	8065	8063	8062	8071	8068	8065	8063	8061	8066	15 00	8078	0 01	8048	30	17
8064	8062	8059	8059	8060	8063	8061	8062	8060	8065	10 33	8077	18 20	8058	19	18
8078	8077	8071	8071	8070	8067	8067	8065	8065	8071	12 00	8092	6 00	8055	37	19
8023	8006	7987	7995	8032	8037	8027	8043	8030	8048	10 00	8100	18 47	7975	125	20
8009	7995	7995	8010	8020	8028	8007	8023	8012	8029	12 00	8063	17 18	7990	73	21
8041	8030	8031	8019	8029	8037	8032	8035	8024	8034	11 28	8065	1 16	8011	54	22
8047	8050	8042	8041	8045	8043	8050	8037	8042	8040	22 09	8052	0 18	8025	27	23
8058	8051	8049	8048	8044	8048	8048	8046	8047	8051	11 00	8084	6 00	8035	49	24
8050	8051	8053	8046	8044	8041	8043	8046	8048	8054	12 00	8085	21 00	8041	44	25
8051	8051	8051	8048	8049	8049	8050	8050	8051	8054	11 35	8079	2 23	8042	37	26
8047	8045	8043	8040	8030	8038	8037	8038	8039	8053	10 00	8075	20 00	8030	45	27
8048	8045	8046	8044	8044	8044	8042	8042	8043	8054	11 00	8097	2 00	8035	62	28
8038	8037	8032	8035	8036	8035	8029	8031	8029	8046	11 00	8082	22 12	8028	54	29
8039	8033	8033	8033	8029	8027	8027	8028	8026	8042	11 00	8091	24 00	8026	65	30
8072	8067	8063	8061	8061	8062	8059	8061	8059	8070	----------	8100	----------	8048	52	--------
8070	8066	8063	8060	8058	8059	8060	8062	8062	8068	----------	8098	----------	8050	48	--------

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30000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
8038	8036	8035	8036	8034	8029	8027	8026	8028	8037	12 00	8070	1 00	8023	47	1
8038	8025	8021	8017	8020	8019	8021	8016	8012	8036	12 08	8077	24 00	8012	65	2
8039	8037	8036	8037	8035	8033	8030	8025	8020	8035	12 00	8066	0 01	8012	54	3
8046	8046	8048	8048	8049	8048	8045	8042	8032	8041	11 00	8083	1 20	8011	72	4
8042	8033	8029	8020	8017	8022	8021	8018	8016	8039	12 00	8075	24 00	8016	59	5
8046	8040	8040	8038	8032	8025	8022	8018	8018	8037	11 50	8072	0 34	8015	57	6
8014	8013	8015	8019	8014	8016	8006	8003	7997	8031	12 00	8085	24 00	7997	88	7
8022	8022	8003	7998	8000	8007	7998	8003	8012	8018	11 00	8058	0 08	7996	62	8
8021	8022	8013	8003	8002	7999	7998	8018	8011	8019	9 28	8045	21 20	7997	48	9
8042	8034	8022	8022	8013	8029	7992	7995	8005	8025	11 00	8064	22 00	7992	72	10
7987	7980	7973	7987	7990	7994	7999	7998	8000	7999	11 30	8024	18 00	7973	51	11
8026	8021	8012	8009	8005	8005	8006	8006	8007	8015	11 00	8043	1 00	7996	47	12
8014	8016	8018	8019	8020	8016	8012	8007	8009	8015	12 00	8034	2 00	7998	36	13
8031	8026	8024	8024	8018	8018	8016	8020	8017	8025	12 00	8061	8 00	8007	54	14
8026	8021	8021	8019	8021	8021	8023	8022	8023	8030	11 13	8064	1 18	8013	51	15
8049	8051	8051	8044	8033	8020	8007	8016	8013	8036	11 00	8067	22 12	8006	61	16
8037	8019	8007	8005	7985	7979	7969	7975	7983	8021	12 00	8073	22 11	7968	105	17
8018	7996	7994	7990	7988	7997	8003	8001	8006	8016	11 00	8058	18 41	7982	76	18
8015	8012	8015	8006	8019	8009	8008	8009	8008	8023	12 00	8057	19 33	8002	55	19
8023	8022	8018	8017	8017	8012	8028	8025	8016	8028	11 00	8057	21 18	8006	51	20
8026	8016	8020	8010	8017	8015	8010	8007	8007	8021	12 00	8044	23 14	8005	39	21
8024	8022	8024	8026	8024	8019	8018	8015	8012	8020	10 27	8043	5 00	8003	40	22
8029	8024	8023	8012	8010	8015	8014	8018	8017	8026	12 00	8059	20 00	8010	49	23
8029	8028	8019	8010	8015	8025	8016	8014	8010	8028	12 00	8065	18 37	8006	59	24
8036	8025	8017	8021	8021	8020	8022	8021	8020	8029	11 00	8057	0 01	8010	47	25
8031	8033	8029	8029	8027	8026	8025	8030	8027	8026	12 00	8052	4 40	7998	54	26
8042	8030	8028	8028	8031	8032	8036	8034	8032	8039	12 00	8079	3 20	8021	58	27
8040	8041	8042	8042	8040	8038	8036	8033	8029	8040	11 00	8064	3 00	8024	40	28
8057	8055	8055	8055	8058	8055	8046	8038	8030	8051	12 00	8079	23 13	8025	54	29
8053	8049	8047	8046	8043	8043	8039	8037	8035	8048	11 00	8082	5 00	8028	54	30
8067	8061	8060	8060	8055	8055	8052	8046	8042	8056	11 28	8088	5 00	8034	54	31
8033	8028	8024	8022	8021	8021	8018	8017	8016	8029	----------	8063	----------	8006	57	--------
8035	8031	8030	8026	8024	8025	8024	8023	8023	8034	----------	8066	----------	8017	49	--------

HOURLY VALUES OF HORIZONTAL INTENSITY.

NOVEMBER, 1911. 30000 γ plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1[a]	8041	8040	8041	8043	8042	8042	8043	8053	8066	8079	8085	8088	8086	8074	8069
2	8036	8033	8032	8036	8035	8034	8039	8044	8056	8066	8074	8075	8069	8066	8061
3	8028	8028	8029	8030	8034	8034	8039	8051	8060	8063	8067	8062	8049	8047	8039
4	8007	8006	8020	8017	8015	8012	8020	8027	8038	8042	8050	8044	8042	8038	8029
5	8014	8011	8009	8007	8006	8010	8014	8025	8027	8036	8040	8034	8026	8018	8007
6	7997	8002	8003	8004	8007	8009	8012	8021	8035	8051	8064	8062	8056	8047	8038
7[a]	8033	8034	8034	8035	8037	8039	8044	8052	8060	8065	8072	8070	8065	8059	8051
8	8041	8040	8045	8046	8047	8046	8052	8058	8065	8081	8087	8088	8077	8065	8058
9	8056	8056	8055	8052	8047	8049	8048	8056	8056	8070	8080	8081	8078	8064	8059
10	8035	8033	8039	8039	8036	8042	8040	8039	8040	8057	8069	8074	8067	8063	8048
11	8033	8038	8031	8028	8033	8033	8034	8048	8058	8070	8079	8074	8069	8061	8054
12	8031	8034	8037	8038	8037	8035	8040	8042	8055	8072	8080	8083	8071	8063	8051
13	8045	8050	8036	8039	8047	8044	8043	8044	8055	8061	8067	8062	8054	8055	8038
14	8043	8032	8030	8037	8027	8024	8030	8038	8049	8056	8057	8047	8051	8046	8048
15	8022	8021	8029	8030	8033	8037	8036	8030	8044	8047	8051	8047	8046	8043	8039
16	8033	8033	8038	8041	8038	8034	8032	8038	8057	8063	8067	8066	8058	8060	8055
17	8053	8049	8046	8044	8043	8043	8051	8066	8075	8086	8081	8077	8073	8071	8065
18	8045	8042	8048	8045	8045	8047	8052	8060	8072	8080	8083	8078	8077	8069	8061
19	8038	8042	8043	8045	8047	8049	8053	8065	8085	8087	8089	8083	8077	8074	8071
20	8053	8059	8065	8064	8078	8061	8066	8072	8080	8097	8101	8096	8080	8068	8059
21	8053	8053	8057	8056	8059	8058	8063	8070	8090	8106	8110	8105	8095	8092	8084
22[a]	8053	8058	8050	8054	8053	8060	8064	8072	8083	8097	8104	8106	8099	8095	8085
23[a]	8069	8061	8063	8061	8059	8056	8063	8071	8082	8094	8104	8100	8094	8086	8079
24[a]	8068	8067	8062	8060	8060	8059	8058	8077	8089	8102	8105	8107	8098	8089	8084
25	8067	8067	8069	8070	8069	8069	8076	8088	8104	8118	8122	8119	8114	8103	8091
26	8079	8078	8082	8083	8091	8096	8083	8081	8090	8105	8114	8109	8102	8095	8084
27	8061	8065	8065	8066	8068	8069	8075	8082	8084	8093	8098	8097	8095	8092	8087
28	8067	8071	8067	8067	8071	8069	8069	8080	8093	8096	8107	8104	8099	8089	8083
29	8065	8063	8065	8066	8066	8067	8072	8080	8090	8101	8106	8099	8094	8090	8085
30	8065	8066	8063	8066	8067	8066	8073	8077	8087	8101	8110	8114	8114	8108	8102
Mean	8044	8044	8045	8046	8047	8046	8049	8057	8068	8078	8084	8082	8076	8070	8062
Mean[a]	8053	8052	8050	8051	8050	8051	8054	8065	8076	8087	8094	8094	8088	8081	8074

DECEMBER, 1911. 30000 γ plus tabular quantities.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8061	8065	8066	8068	8068	8066	8070	8071	8082	8089	8105	8101	8099	8094	8086
2[a]	8060	8062	8069	8065	8064	8066	8066	8073	8083	8092	8100	8092	8091	8090	8088
3	8068	8067	8070	8069	8067	8067	8074	8081	8091	8104	8101	8104	8101	8096	8085
4	8068	8067	8070	8070	8074	8074	8076	8084	8094	8099	8102	8098	8096	8089	8082
5	8068	8066	8069	8070	8069	8070	8068	8068	8083	8092	8096	8098	8098	8090	8085
6	8071	8069	8074	8073	8075	8071	8074	8082	8090	8096	8104	8097	8092	8084	8082
7	8055	8080	8046	8045	8050	8052	8059	8063	8075	8070	8077	8080	8081	8077	8074
8	8054	8056	8061	8059	8058	8064	8069	8083	8092	8093	8093	8092	8087	8077	8075
9[a]	8060	8064	8065	8065	8066	8066	8064	8069	8083	8091	8092	8088	8085	8084	8081
10	8071	8071	8070	8075	8078	8076	8080	8083	8103	8113	8119	8111	8104	8097	8090
11	8090	8094	8090	8096	8099	8106	8104	8112	8113	8123	8115	8080	8054	8030	8000
12	8005	8023	8020	8019	8021	8024	8022	8027	8044	8051	8056	8053	8050	8046	8041
13	8036	8042	8044	8046	8046	8048	8047	8056	8063	8072	8076	8078	8079	8067	8061
14	8054	8052	8051	8053	8056	8054	8052	8056	8077	8085	8089	8093	8087	8083	8083
15	8052	8054	8057	8056	8064	8064	8061	8061	8071	8080	8085	8089	8088	8084	8078
16	8064	8069	8068	8065	8068	8069	8066	8071	8077	8083	8087	8088	8088	8082	8078
17	8061	8069	8069	8068	8069	8073	8075	8082	8093	8098	8101	8102	8103	8096	8098
18	8068	8059	8068	8070	8064	8063	8062	8072	8084	8099	8107	8100	8092	8084	8077
19	8074	8069	8068	8069	8068	8067	8073	8086	8095	8097	8102	8095	8094	8089	8086
20	8083	8080	8084	8079	8074	8075	8080	8090	8102	8115	8109	8104	8097	8092	8088
21[a]	8076	8078	8078	8073	8071	8073	8076	8084	8094	8099	8101	8096	8091	8085	8082
22[a]	8075	8081	8074	8076	8076	8083	8087	8097	8102	8110	8105	8100	8092	8089	8087
23[a]	8084	8082	8084	8080	8078	8076	8084	8091	8106	8113	8108	8104	8099	8092	8082
24	8081	8080	8077	8078	8080	8076	8075	8083	8094	8105	8102	8095	8087	8082	8082
25	8087	8086	8086	8083	8088	8091	8091	8100	8118	8127	8127	8119	8106	8101	8098
26	8068	8071	8077	8075	8076	8081	8082	8094	8115	8129	8132	8125	8116	8105	8100
27	8048	8056	8067	8062	8064	8061	8069	8076	8086	8090	8080	8075	8072	8070	8066
28	8074	8071	8069	8070	8072	8075	8074	8092	8100	8103	8104	8096	8083	8077	8072
29	8071	8068	8068	8066	8061	8066	8065	8071	8083	8095	8097	8101	8090	8078	8079
30	8071	8072	8073	8069	8072	8072	8072	8078	8083	8091	8097	8103	8093	8093	8099
31	8073	8075	8079	8081	8084	8084	8082	8079	8085	8088	8083	8073	8061	8047	8050
Mean	8066	8068	8068	8068	8068	8069	8071	8078	8089	8097	8098	8095	8089	8082	8078
Mean[a]	8071	8073	8074	8072	8071	8073	8075	8083	8094	8101	8101	8096	8092	8088	8084

[a] Five international quiet days.

HOURLY VALUES OF HORIZONTAL INTENSITY.

NOVEMBER, 1911. 30000 γ plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
8055	8054	8047	8042	8040	8035	8035	8037	8035	8053	12 00	8088	21 06	8034	54	1
8047	8042	8030	8026	8024	8022	8027	8027	8025	8043	11 38	8076	21 00	8022	54	2
8031	8035	8034	8028	8036	8030	8030	8026	8010	8038	11 00	8067	24 00	8010	57	3
8023	8022	8017	8009	8011	8010	8009	8008	8008	8022	11 00	8050	2 00	8006	44	4
8004	8002	8000	8006	8005	8002	7995	7993	7991	8012	11 00	8040	24 00	7991	49	5
8032	8025	8020	8017	8018	8023	8027	8031	8033	8026	11 00	8064	0 01	7991	73	6
8045	8043	8038	8037	8035	8032	8030	8044	8037	8045	11 00	8072	22 00	8030	42	7
8053	8054	8048	8046	8045	8045	8053	8052	8048	8056	12 00	8088	0 01	8037	51	8
8050	8042	8034	8032	8031	8037	8036	8033	8029	8051	10 18	8083	24 00	8029	54	9
8039	8037	8037	8035	8038	8041	8041	8036	8032	8044	12 00	8074	0 24	8028	46	10
8046	8046	8046	8044	8041	8041	8039	8034	8033	8046	11 00	8079	4 00	8028	51	11
8043	8042	8041	8042	8040	8040	8038	8044	8055	8048	12 00	8083	1 00	8031	52	12
8040	8033	8023	8040	8002	7998	8007	8022	8035	8039	11 00	8067	21 06	7996	71	13
8045	8043	8029	8017	8009	7993	8010	8027	8024	8034	9 42	8061	20 54	7992	69	14
8040	8039	8041	8037	8039	8033	8043	8027	8034	8037	11 16	8054	1 50	8020	34	15
8050	8042	8042	8038	8042	8055	8050	8043	8048	8047	11 00	8067	7 00	8032	35	16
8055	8046	8037	8046	8046	8043	8041	8046	8047	8055	9 40	8088	17 36	8035	53	17
8053	8050	8049	8048	8047	8042	8050	8040	8039	8055	11 00	8083	24 00	8039	44	18
8064	8058	8055	8055	8054	8062	8053	8050	8051	8060	11 00	8089	1 00	8038	51	19
8060	8061	8057	8048	8046	8052	8052	8049	8048	8066	11 00	8101	19 13	8045	56	20
8075	8056	8036	8036	8046	8054	8052	8053	8053	8067	10 35	8111	18 30	8033	78	21
8081	8078	8080	8079	8080	8079	8075	8076	8072	8076	12 00	8106	3 00	8050	56	22
8075	8075	8074	8069	8069	8069	8067	8064	8065	8074	11 00	8104	6 00	8056	48	23
8078	8076	8073	8072	8072	8069	8067	8066	8067	8076	12 00	8107	7 00	8058	49	24
8078	8082	8082	8082	8081	8082	8083	8084	8073	8086	10 24	8125	0 27	8066	59	25
8083	8080	8074	8075	8071	8067	8063	8066	8064	8084	10 26	8116	22 00	8063	53	26
8083	8079	8078	8078	8078	8073	8067	8068	8067	8078	10 24	8103	1 00	8061	42	27
8076	8076	8073	8069	8069	8066	8064	8063	8065	8077	11 00	8107	23 00	8063	44	28
8079	8078	8079	8080	8078	8069	8065	8061	8060	8077	11 00	8106	24 00	8060	46	29
8093	8085	8082	8081	8076	8076	8069	8060	8059	8082	12 20	8119	24 00	8059	60	30
8056	8053	8049	8047	8046	8045	8045	8044	8044	8055	----------	8086	----------	8033	53	--------
8067	8065	8062	8060	8059	8057	8055	8057	8055	8065	----------	8096	----------	8046	50	--------

DECEMBER, 1911. 30000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
8082	8080	8071	8064	8064	8063	8059	8051	8053	8074	11 00	8105	23 25	8049	56	1
8081	8073	8072	8069	8065	8064	8065	8069	8069	8074	11 00	8100	0 01	8054	46	2
8080	8074	8072	8068	8070	8072	8077	8069	8066	8079	10 33	8107	24 00	8066	41	3
8077	8073	8068	8069	8068	8067	8068	8069	8068	8078	11 00	8102	0 01	8066	36	4
8081	8081	8076	8075	8079	8076	8075	8073	8071	8078	12 27	8100	2 00	8066	34	5
8081	8081	8079	8093	8089	8090	8086	8077	8080	8083	11 00	8104	2 00	8069	35	6
8068	8062	8055	8053	8052	8050	8051	8049	8054	8062	13 00	8081	1 13	8043	38	7
8069	8067	8062	8062	8060	8057	8058	8059	8060	8069	12 38	8094	1 00	8054	40	8
8082	8081	8076	8074	8072	8070	8071	8072	8070	8075	11 00	8092	1 00	8060	32	9
8087	8085	8081	8079	8078	8075	8074	8077	8085	8086	11 00	8119	3 00	8070	49	10
7966	7939	7929	7969	7980	7977	7980	7978	7987	8042	9 53	8131	17 41	7913	218	11
8039	8041	8038	8039	8037	8036	8035	8036	8038	8035	11 00	8056	0 01	7987	69	12
8060	8060	8054	8053	8054	8050	8052	8054	8053	8056	13 00	8079	1 00	8036	43	13
8096	8076	8058	8048	8036	8038	8047	8049	8047	8063	16 00	8096	20 27	8034	62	14
8076	8076	8074	8070	8070	8065	8068	8066	8065	8070	12 00	8089	0 01	8047	42	15
8078	8073	8071	8067	8065	8061	8059	8063	8063	8072	12 22	8089	22 00	8059	30	16
8091	8087	8055	8047	8067	8056	8071	8063	8068	8078	13 00	8103	19 00	8047	56	17
8078	8077	8073	8073	8071	8073	8075	8074	8080	8077	10 35	8109	2 00	8059	50	18
8087	8080	8079	8079	8082	8082	8080	8079	8083	8082	10 46	8103	6 00	8067	36	19
8081	8083	8083	8081	8078	8080	8081	8079	8079	8087	10 00	8115	5 00	8074	41	20
8081	8082	8083	8078	8078	8075	8071	8072	8074	8081	10 42	8102	21 49	8070	32	21
8086	8087	8088	8086	8087	8089	8089	8086	8084	8088	10 00	8110	3 26	8072	38	22
8081	8080	8082	8082	8085	8084	8083	8085	8082	8088	10 00	8113	6 00	8076	37	23
8086	8086	8085	8084	8086	8091	8090	8088	8084	8086	10 00	8105	7 00	8075	30	24
8093	8093	8087	8089	8087	8078	8075	8086	8072	8094	10 39	8129	24 00	8072	57	25
8095	8085	8067	8066	8057	8069	8065	8041	8056	8085	10 28	8133	23 33	8037	96	26
8063	8069	8068	8070	8067	8064	8071	8069	8068	8069	10 00	8090	1 25	8046	44	27
8070	8070	8070	8067	8069	8068	8072	8071	8069	8077	11 00	8104	19 00	8067	37	28
8079	8080	8079	8078	8078	8074	8073	8079	8076	8077	12 00	8101	5 00	8061	40	29
8093	8089	8090	8091	8081	8073	8070	8070	8071	8082	12 00	8103	4 00	8069	34	30
8057	8064	8068	8068	8069	8064	8056	8056	8068	8071	9 43	8099	13 49	4045	54	31
8075	8072	8068	8067	8067	8066	8066	8065	8066	8075	----------	8102	----------	8052	50	--------
8082	8081	8080	8078	8077	8076	8076	8077	8076	8081	----------	8103	----------	8066	37	--------

HOURLY VALUES OF VERTICAL INTENSITY.

JANUARY, 1911. 10000 γ plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1198	1196	1193	1190	1186	1184	1183	1181	1178	1177	1180	1184	1196	1206	1211
2	1208	1206	1203	1201	1200	1197	1195	1194	1193	1191	1190	1198	1209	1216	1219
3	1210	1206	1203	1200	1194	1190	1183	1181	1177	1176	1176	1189	1204	1215	1219
4	1206	1203	1201	1200	1197	1194	1192	1188	1186	1184	1184	1195	1206	1212	1218
5	1216	1215	1214	1212	1209	1208	1207	1207	1206	1196	1200	1206	1216	1223	1225
6	1228	1229	1231	1229	1231	1232	1228	1227	1225	1221	1219	1221	1223	1226	1229
7[a]	1229	1229	1228	1228	1228	1226	1222	1218	1217	1214	1211	1215	1221	1227	1230
8	1227	1225	1222	1221	1218	1215	1213	1209	1200	1193	1191	1200	1209	1218	1225
9	1220	1217	1216	1213	1213	1210	1208	1207	1204	1196	1192	1192	1200	1213	1222
10	1218	1218	1217	1215	1214	1211	1210	1209	1203	1200	1200	1203	1206	1209	1212
11	1225	1226	1226	1226	1226	1225	1225	1227	1227	1224	1227	1227	1224	1219	1220
12[a]	1220	1219	1216	1215	1214	1213	1213	1213	1212	1203	1197	1202	1204	1207	1213
13	1209	1207	1204	1201	1198	1195	1192	1191	1192	1192	1192	1198	1202	1208	1211
14	1204	1201	1201	1200	1199	1198	1196	1193	1192	1191	1190	1190	1197	1199	1203
15	1199	1196	1194	1192	1189	1186	1182	1181	1182	1181	1180	1186	1192	1198	1200
16	1188	1188	1188	1187	1185	1182	1179	1175	1174	1170	1170	1174	1179	1185	1188
17[a]	1182	1178	1174	1170	1166	1164	1162	1159	1158	1157	1156	1162	1166	1172	1180
18	1181	1180	1178	1174	1171	1167	1165	1161	1158	1153	1153	1158	1164	1171	1177
19	1173	1172	1171	1168	1167	1165	1164	1163	1160	1157	1154	1154	1160	1166	1172
20[a]	1171	1170	1170	1169	1169	1170	1169	1167	1156	1149	1147	1148	1154	1161	1167
21[a]	1167	1166	1166	1167	1168	1170	1169	1163	1153	1140	1132	1133	1141	1148	1157
22	1164	1165	1165	1164	1167	1168	1159	1153	1141	1131	1130	1139	1148	1157	1161
23	1161	1159	1157	1155	1156	1156	1157	1157	1150	1138	1139	1141	1147	1152	1159
24	1154	1156	1154	1156	1155	1154	1153	1147	1134	1126	1111	1102	1110	1123	1136
25	1138	1142	1140	1141	1140	1137	1129	1120	1111	1107	1112	1114	1118	1121	1130
26	1137	1138	1136	1133	1132	1131	1132	1126	1119	1112	1113	1117	1121	1124	1128
27	1127	1128	1127	1125	1127	1128	1116	1109	1101	1093	1089	1095	1105	1119	1131
28	1146	1144	1143	1143	1142	1140	1138	1135	1132	1127	1128	1131	1134	1143	1151
29	1162	1161	1160	1159	1157	1156	1159	1153	1146	1142	1144	1148	1151	1160	1164
30	1165	1166	1166	1167	1168	1168	1167	1166	1153	1146	1133	1132	1141	1552	1159
31	1170	1169	1167	1165	1165	1164	1165	1148	1138	1136	1137	1139	1151	1160	1172
Mean	1187	1186	1185	1183	1182	1181	1178	1175	1170	1165	1164	1168	1174	1181	1187
Mean[a]	1194	1192	1191	1190	1189	1189	1187	1184	1179	1173	1169	1172	1177	1183	1189

FEBRUARY, 1911. 10000 γ plus tabular quantities.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1174	1173	1173	1172	1173	1174	1175	1171	1164	1158	1154	1159	1167	1172	1174
2	1172	1170	1167	1164	1162	1162	1161	1160	1156	1146	1137	1134	1142	1156	1168
3	1169	1170	1169	1168	1167	1168	1170	1169	1170	1165	1157	1159	1161	1163	1167
4	1168	1166	1166	1165	1165	1165	1165	1168	1163	1155	1156	1159	1165	1169	1175
5	1166	1165	1161	1163	1162	1163	1164	1162	1160	1154	1156	1155	1159	1161	1163
6	1163	1164	1165	1165	1165	1165	1165	1165	1167	1164	1158	1159	1162	1162	1163
7	1162	1163	1162	1161	1160	1161	1163	1162	1163	1161	1152	1148	1150	1152	1158
8	1161	1162	1161	1161	1160	1161	1163	1162	1162	1160	1151	1152	1154	1156	1162
9	1164	1163	1164	1163	1163	1162	1163	1163	1159	1153	1149	1149	1159	1166	1168
10	1161	1158	1158	1156	1155	1153	1153	1154	1154	1151	1144	1138	1144	1146	1151
11[a]	1159	1160	1162	1160	1159	1159	1157	1159	1160	1159	1153	1147	1149	1156	1160
12[a]	1160	1158	1157	1156	1156	1154	1155	1154	1152	1145	1137	1138	1143	1151	1155
13	1157	1157	1157	1158	1158	1160	1161	1161	1160	1159	1149	1141	1134	1140	1145
14	1159	1157	1154	1151	1149	1149	1149	1147	1142	1132	1133	1136	1141	1148	1156
15[a]	1161	1160	1160	1158	1156	1154	1151	1145	1137	1126	1116	1117	1121	1129	1138
16	1160	1160	1161	1161	1158	1157	1155	1150	1138	1129	1134	1140	1147	1153	1158
17	1158	1158	1157	1156	1155	1154	1153	1150	1142	1135	1132	1134	1139	1145	1150
18	1156	1157	1158	1157	1156	1157	1152	1151	1147	1141	1144	1145	1152	1158	1165
19[a]	1157	1158	1158	1156	1155	1155	1153	1155	1156	1155	1149	1143	1145	1152	1156
20[a]	1164	1165	1164	1163	1162	1163	1165	1164	1165	1163	1154	1150	1152	1154	1160
21	1160	1159	1160	1159	1159	1158	1159	1159	1155	1149	1145	1145	1155	1162	1168
22	1160	1155	1153	1155	1154	1152	1151	1147	1147	1137	1140	1149	1161	1162	1163
23	1162	1158	1157	1157	1155	1154	1152	1154	1149	1141	1137	1144	1147	1149	1151
24	1161	1160	1162	1158	1158	1161	1158	1156	1154	1137	1146	1147	1149	1147	1147
25	1161	1162	1161	1159	1158	1160	1157	1154	1151	1146	1143	1141	1142	1147	1153
26	1164	1163	1163	1162	1160	1162	1160	1156	1147	1143	1142	1144	1144	1149	1153
27	1163	1164	1162	1160	1158	1156	1154	1148	1144	1141	1143	1144	1149	1154	1160
28	1164	1164	1162	1163	1163	1160	1157	1146	1134	1127	1129	1132	1134	1142	1146
Mean	1162	1162	1161	1160	1159	1159	1159	1157	1154	1148	1144	1145	1149	1154	1158
Mean[a]	1160	1160	1160	1159	1158	1157	1156	1155	1154	1150	1142	1139	1142	1148	1154

[a] Five international quiet days.

HOURLY VALUES OF VERTICAL INTENSITY.

JANUARY, 1911. 10000 γ plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1214	1214	1215	1214	1214	1212	1212	1212	1211	1198	18 00	1215	10 00	1177	38	1
1223	1223	1222	1222	1222	1221	1219	1218	1215	1209	15 39	1224	11 00	1190	34	2
1219	1215	1215	1215	1213	1214	1212	1209	1207	1202	15 08	1220	11 06	1175	45	3
1221	1224	1222	1221	1220	1220	1219	1218	1215	1206	17 00	1224	10 30	1183	41	4
1226	1226	1228	1228	1227	1230	1228	1228	1227	1217	21 00	1230	10 00	1196	34	5
1229	1228	1228	1227	1226	1227	1228	1229	1231	1227	6 00	1232	11 00	1219	13	6
1233	1232	1230	1229	1230	1229	1229	1230	1230	1226	16 00	1233	11 32	1210	23	7
1230	1231	1231	1230	1228	1228	1226	1225	1225	1218	16 09	1232	11 00	1191	41	8
1225	1226	1226	1225	1225	1223	1223	1223	1225	1214	17 28	1227	11 30	1191	36	9
1217	1221	1223	1224	1224	1225	1225	1225	1226	1215	23 21	1228	11 12	1199	29	10
1220	1220	1219	1219	1219	1219	1220	1221	1222	1223	8 30	1228	14 30	1218	10	11
1214	1216	1214	1214	1214	1214	1215	1214	1212	1212	1 00	1220	11 00	1197	23	12
1209	1207	1207	1207	1205	1205	1205	1207	1205	1202	15 00	1211	11 36	1191	20	13
1205	1205	1205	1204	1203	1203	1204	1205	1201	1200	16 15	1206	11 27	1189	17	14
1202	1200	1199	1195	1194	1194	1194	1193	1191	1192	16 00	1202	11 00	1180	22	15
1192	1193	1193	1188	1193	1190	1189	1188	1185	1184	20 06	1194	10 30	1169	25	16
1184	1185	1185	1183	1181	1180	1181	1183	1182	1173	16 24	1186	11 13	1155	31	17
1178	1179	1177	1176	1175	1175	1176	1174	1173	1171	1 00	1181	10 48	1152	29	18
1177	1177	1174	1174	1174	1173	1173	1174	1173	1168	16 06	1178	11 54	1153	25	19
1170	1172	1171	1170	1171	1171	1170	1170	1169	1165	17 00	1172	11 00	1147	25	20
1163	1165	1165	1166	1165	1167	1166	1165	1164	1159	6 00	1170	11 00	1132	38	21
1163	1165	1165	1168	1169	1167	1165	1163	1163	1158	20 00	1169	11 00	1130	39	22
1163	1161	1160	1159	1159	1157	1156	1154	1153	1154	16 12	1164	10 00	1138	26	23
1142	1145	1146	1143	1145	1148	1145	1142	1141	1140	1 42	1157	11 51	1100	57	24
1140	1141	1139	1138	1140	1140	1139	1138	1135	1131	1 51	1151	10 00	1107	44	25
1128	1127	1129	1131	1132	1134	1131	1130	1129	1128	0 56	1140	10 00	1112	28	26
1140	1142	1147	1148	1146	1143	1142	1143	1143	1126	19 00	1148	11 00	1089	59	27
1161	1165	1166	1165	1164	1162	1160	1159	1157	1147	18 00	1166	10 00	1127	39	28
1170	1173	1174	1175	1174	1172	1170	1169	1168	1161	19 20	1176	10 00	1142	34	29
1168	1170	1173	1174	1173	1173	1172	1171	1171	1162	18 37	1175	12 00	1132	43	30
1176	1178	1180	1181	1179	1178	1176	1175	1175	1164	19 00	1181	10 00	1136	45	31
1190	1191	1191	1191	1190	1190	1189	1189	1188	1182	----------	1195	----------	1162	33	--------
1193	1194	1193	1192	1192	1192	1192	1192	1191	1187	----------	1196	----------	1168	28	--------

FEBRUARY, 1911. 10000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1175	1176	1177	1177	1175	1174	1173	1173	1174	1171	18 15	1178	11 00	1154	24	1
1177	1178	1177	1178	1180	1179	1177	1174	1171	1164	20 06	1181	12 00	1134	47	2
1169	1171	1174	1176	1175	1174	1174	1172	1172	1169	19 16	1177	11 18	1156	21	3
1178	1179	1180	1177	1175	1174	1173	1170	1169	1169	18 00	1180	10 30	1154	26	4
1165	1167	1169	1168	1167	1166	1167	1165	1164	1163	18 00	1169	10 00	1154	15	5
1166	1168	1167	1168	1170	1168	1166	1164	1163	1165	19 34	1171	11 00	1158	13	6
1161	1163	1166	1164	1163	1165	1163	1164	1160	1160	17 46	1167	12 00	1148	19	7
1165	1167	1166	1164	1163	1165	1163	1165	1166	1161	17 47	1168	11 00	1151	17	8
1168	1169	1171	1168	1164	1164	1164	1165	1162	1163	18 00	1171	11 30	1148	23	9
1153	1153	1155	1152	1151	1154	1156	1155	1156	1153	1 00	1161	12 00	1138	23	10
1164	1163	1161	1159	1159	1159	1160	1161	1162	1159	16 00	1164	12 00	1147	17	11
1158	1159	1161	1160	1158	1156	1155	1154	1156	1154	18 00	1161	11 00	1137	24	12
1154	1159	1160	1163	1162	1161	1160	1161	1160	1156	19 00	1163	13 00	1134	29	13
1163	1166	1168	1168	1167	1167	1166	1164	1162	1154	19 24	1170	9 49	1131	39	14
1148	1155	1158	1162	1161	1160	1159	1158	1159	1148	19 00	1162	11 00	1116	46	15
1160	1161	1161	1163	1162	1160	1159	1158	1159	1154	19 00	1163	10 00	1129	34	16
1154	1157	1156	1159	1158	1158	1157	1157	1157	1151	19 22	1161	11 00	1132	29	17
1166	1161	1156	1154	1154	1155	1157	1158	1159	1155	16 00	1166	10 00	1141	25	18
1160	1160	1161	1161	1162	1162	1163	1164	1166	1157	24 00	1166	12 00	1143	23	19
1163	1165	1168	1166	1165	1167	1165	1166	1164	1162	18 00	1168	12 00	1150	18	20
1168	1162	1160	1160	1160	1161	1159	1160	1161	1158	16 20	1170	11 45	1143	27	21
1168	1167	1167	1166	1166	1168	1165	1164	1164	1158	16 18	1171	10 00	1137	34	22
1159	1158	1160	1162	1167	1158	1160	1161	1162	1155	20 00	1167	11 00	1137	30	23
1149	1153	1157	1156	1155	1157	1159	1160	1160	1154	3 00	1162	10 00	1137	25	24
1156	1160	1161	1161	1160	1158	1162	1161	1163	1156	24 00	1163	11 35	1140	23	25
1158	1162	1163	1165	1164	1163	1163	1162	1163	1157	19 24	1167	11 00	1142	25	26
1166	1164	1163	1162	1163	1159	1159	1157	1162	1156	16 00	1166	10 27	1139	27	27
1153	1157	1162	1164	1163	1165	1164	1166	1167	1154	24 00	1167	10 27	1125	42	28
1162	1164	1164	1164	1164	1163	1163	1163	1163	1158	----------	1168	----------	1141	27	--------
1159	1160	1162	1162	1161	1161	1160	1161	1161	1156	----------	1164	----------	1138	26	--------

HOURLY VALUES OF VERTICAL INTENSITY.

MARCH, 1911. 10000 γ plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1166	1166	1165	1164	1165	1164	1156	1149	1145	1142	1139	1137	1136	1143	1151
2	1168	1165	1163	1161	1159	1156	1153	1141	1137	1131	1127	1125	1131	1139	1145
3	1164	1162	1157	1154	1152	1150	1150	1149	1148	1146	1138	1133	1142	1150	1158
4	1171	1172	1173	1173	1173	1171	1166	1158	1147	1136	1132	1134	1140	1148	1157
5	1166	1166	1165	1162	1167	1168	1165	1148	1143	1133	1119	1124	1134	1146	1150
6	1173	1176	1175	1173	1173	1170	1167	1157	1149	1138	1141	1145	1152	1157	1166
7	1177	1177	1178	1177	1177	1175	1173	1163	1149	1138	1139	1142	1152	1156	1164
8	1172	1173	1172	1172	1170	1169	1167	1164	1155	1138	1131	1136	1145	1153	1165
9	1167	1166	1167	1166	1166	1165	1162	1155	1152	1142	1127	1128	1139	1149	1154
10[a]	1164	1164	1163	1163	1162	1158	1154	1146	1135	1128	1126	1127	1133	1140	1147
11[a]	1158	1157	1158	1157	1155	1152	1143	1137	1127	1120	1123	1126	1128	1140	1151
12[a]	1161	1161	1160	1158	1158	1156	1152	1144	1136	1132	1124	1122	1126	1135	1144
13	1149	1150	1152	1152	1150	1147	1144	1136	1134	1125	1125	1127	1132	1139	1144
14	1162	1160	1158	1156	1156	1154	1153	1149	1135	1122	1122	1124	1128	1137	1150
15	1166	1167	1169	1168	1167	1165	1160	1154	1143	1137	1128	1131	1137	1151	1162
16	1170	1171	1173	1167	1168	1165	1166	1167	1159	1154	1152	1155	1157	1162	1166
17[a]	1180	1182	1182	1180	1178	1177	1176	1169	1158	1147	1144	1146	1151	1160	1172
18[a]	1187	1186	1186	1184	1184	1182	1181	1173	1164	1156	1149	1148	1149	1158	1171
19	1184	1184	1181	1180	1177	1175	1172	1164	1159	1148	1147	1149	1153	1158	1166
20	1168	1167	1165	1164	1163	1160	1156	1154	1154	1142	1125	1138	1140	1143	1151
21	1150	1148	1147	1145	1144	1145	1143	1142	1133	1128	1130	1133	1136	1147	1150
22	1158	1159	1157	1155	1153	1154	1150	1145	1130	1117	1118	1119	1129	1140	1146
23	1157	1157	1158	1156	1157	1158	1159	1150	1144	1140	1132	1133	1135	1142	1153
24	1157	1156	1156	1155	1153	1152	1148	1145	1135	1126	1119	1121	1127	1131	1138
25	1148	1147	1145	1145	1146	1144	1137	1129	1116	1113	1107	1114	1122	1131	1136
26	1145	1143	1142	1140	1138	1138	1135	1129	1123	1118	1112	1114	1120	1131	1137
27	1146	1147	1147	1144	1144	1141	1136	1127	1122	1114	1112	1121	1132	1146	1153
28	1145	1145	1146	1147	1145	1146	1141	1132	1122	1116	1107	1109	1121	1138	1145
29	1150	1148	1152	1147	1149	1150	1150	1144	1133	1121	1108	1107	1110	1122	1128
30	1147	1146	1146	1147	1145	1146	1135	1130	1123	1113	1107	1110	1119	1123	1128
31	1154	1155	1155	1153	1153	1151	1147	1141	1130	1122	1116	1114	1120	1131	1140
Mean	1162	1162	1162	1160	1160	1158	1155	1148	1140	1132	1127	1129	1135	1143	1151
Mean[a]	1170	1170	1170	1168	1167	1165	1161	1154	1144	1137	1133	1134	1137	1147	1157

APRIL, 1911. 10000 γ plus tabular quantities.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1152	1149	1148	1146	1145	1145	1144	1138	1136	1124	1113	1111	1115	1122	1130
2	1146	1145	1146	1146	1145	1146	1145	1139	1134	1124	1112	1113	1120	1125	1134
3	1148	1147	1145	1142	1143	1143	1146	1140	1132	1123	1123	1126	1134	1139	1144
4	1153	1152	1154	1149	1153	1151	1158	1156	1151	1139	1135	1147	1153	1159	1160
5[a]	1155	1151	1151	1150	1150	1150	1155	1153	1140	1125	1112	1111	1124	1139	1150
6	1144	1141	1141	1141	1141	1144	1142	1132	1118	1114	1112	1112	1132	1144	1153
7	1142	1140	1137	1134	1131	1128	1123	1115	1114	1112	1110	1111	1120	1130	1140
8	1138	1142	1137	1143	1142	1144	1141	1137	1127	1111	1105	1112	1114	1119	1126
9	1145	1144	1143	1138	1143	1138	1145	1147	1134	1123	1114	1116	1122	1124	1127
10	1149	1146	1147	1148	1148	1147	1153	1146	1137	1116	1114	1119	1123	1131	1142
11	1152	1152	1150	1149	1150	1154	1153	1145	1133	1131	1120	1126	1127	1137	1146
12	1153	1150	1152	1148	1149	1153	1151	1147	1135	1123	1108	1110	1113	1115	1124
13[a]	1148	1146	1147	1147	1148	1149	1150	1143	1130	1121	1117	1120	1127	1141	1146
14[a]	1150	1152	1152	1153	1154	1153	1154	1147	1136	1123	1115	1117	1126	1134	1144
15[a]	1150	1149	1148	1147	1146	1144	1141	1133	1123	1114	1111	1117	1126	1134	1144
16	1144	1146	1146	1145	1145	1146	1146	1140	1131	1118	1107	1107	1116	1125	1136
17	1145	1142	1140	1139	1139	1139	1141	1136	1125	1109	1101	1110	1124	1136	1144
18	1139	1138	1139	1140	1142	1140	1139	1130	1119	1110	1099	1099	1103	1110	1116
19	1137	1136	1137	1138	1137	1140	1141	1132	1118	1110	1101	1103	1111	1120	1123
20	1140	1140	1137	1134	1133	1135	1134	1119	1110	1104	1100	1106	1110	1122	1133
21	1134	1133	1127	1127	1126	1126	1124	1121	1112	1096	1090	1094	1101	1113	1120
22	1142	1144	1146	1145	1145	1146	1144	1134	1128	1115	1109	1111	1118	1123	1137
23	1146	1145	1146	1145	1147	1148	1146	1137	1129	1124	1122	1121	1126	1134	1142
24	1148	1148	1148	1148	1150	1152	1153	1146	1137	1129	1123	1123	1126	1133	1145
25	1150	1147	1148	1148	1147	1148	1146	1142	1132	1117	1114	1116	1122	1129	1140
26[a]	1147	1147	1146	1146	1145	1145	1143	1133	1122	1119	1117	1120	1123	1129	1139
27	1146	1145	1146	1146	1144	1147	1145	1140	1127	1118	1113	1120	1126	1137	1146
28	1150	1149	1148	1144	1141	1140	1139	1135	1130	1113	1106	1105	1110	1115	1127
29	1143	1141	1140	1140	1140	1140	1132	1123	1121	1113	1120	1123	1134	1137	1151
30	1163	1161	1157	1155	1154	1154	1152	1143	1134	1122	1115	1119	1127	1139	1147
Mean	1147	1146	1145	1144	1144	1144	1144	1138	1128	1118	1112	1115	1122	1130	1139
Mean[a]	1150	1149	1149	1149	1149	1148	1149	1142	1130	1120	1114	1117	1125	1135	1145

[a] Five international quiet days.

HOURLY VALUES OF VERTICAL INTENSITY.

MARCH, 1911. 10000 γ plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1162	1169	1171	1171	1172	1169	1167	1167	1168	1158	20 12	1174	13 00	1136	38	1
1149	1152	1155	1160	1164	1166	1165	1163	1162	1152	1 00	1168	12 00	1125	43	2
1164	1167	1168	1169	1171	1170	1170	1169	1168	1157	20 00	1171	12 00	1133	38	3
1164	1167	1170	1172	1173	1171	1169	1168	1168	1161	2 09	1174	11 00	1132	42	4
1160	1162	1164	1165	1166	1169	1167	1170	1175	1156	24 00	1175	11 00	1119	56	5
1171	1173	1176	1177	1177	1181	1180	1179	1180	1167	21 13	1183	10 00	1138	45	6
1167	1171	1171	1173	1174	1173	1173	1174	1175	1166	3 00	1178	10 00	1138	40	7
1168	1169	1171	1170	1170	1169	1167	1168	1169	1163	0 08	1174	11 00	1131	43	8
1160	1163	1163	1164	1166	1164	1164	1163	1165	1157	0 49	1168	11 00	1127	41	9
1153	1157	1159	1161	1161	1160	1160	1161	1160	1152	1 00	1164	11 00	1126	38	10
1154	1158	1161	1163	1164	1163	1163	1162	1162	1149	20 00	1164	10 00	1120	44	11
1146	1150	1151	1152	1152	1150	1151	1152	1151	1147	0 30	1162	12 00	1122	40	12
1152	1156	1157	1158	1160	1162	1163	1164	1164	1148	23 35	1165	10 30	1124	41	13
1162	1167	1165	1167	1167	1168	1167	1167	1169	1153	24 00	1169	10 39	1121	48	14
1166	1167	1167	1168	1170	1172	1175	1173	1172	1160	22 00	1175	11 00	1128	47	15
1172	1177	1181	1182	1180	1182	1184	1185	1182	1170	23 00	1185	11 00	1152	33	16
1181	1186	1188	1187	1188	1188	1187	1187	1189	1174	24 00	1189	11 00	1144	45	17
1177	1184	1188	1188	1189	1191	1190	1189	1189	1177	21 00	1191	12 00	1148	43	18
1170	1171	1172	1174	1173	1171	1173	1173	1172	1169	1 30	1185	11 00	1147	38	19
1158	1154	1154	1155	1156	1156	1151	1153	1149	1153	1 00	1168	11 00	1125	43	20
1154	1156	1159	1162	1161	1163	1165	1162	1161	1148	23 45	1169	9 32	1126	43	21
1154	1156	1164	1160	1161	1160	1162	1162	1160	1149	18 00	1164	10 46	1115	49	22
1160	1162	1165	1167	1165	1163	1164	1162	1160	1154	18 51	1168	11 00	1132	36	23
1144	1146	1149	1152	1147	1151	1150	1149	1149	1144	0 28	1159	11 06	1118	41	24
1139	1144	1146	1146	1148	1147	1149	1147	1146	1137	21 48	1150	11 00	1107	43	25
1141	1146	1148	1147	1148	1146	1146	1144	1142	1136	20 20	1150	11 00	1112	38	26
1155	1154	1152	1150	1150	1152	1153	1150	1146	1141	16 35	1158	11 00	1112	46	27
1147	1150	1150	1152	1151	1152	1150	1149	1148	1140	19 22	1154	11 00	1107	47	28
1137	1143	1146	1146	1151	1152	1147	1148	1149	1139	3 24	1154	12 00	1107	47	29
1133	1137	1141	1147	1146	1149	1148	1149	1152	1136	24 00	1152	11 00	1107	45	30
1148	1154	1156	1154	1152	1152	1151	1150	1150	1144	18 00	1156	12 00	1114	42	31
1157	1160	1162	1163	1164	1164	1164	1163	1163	1153	----------	1168	----------	1125	43	--------
1162	1167	1169	1170	1171	1170	1170	1170	1170	1160	----------	1174	----------	1132	42	--------

APRIL, 1911. 10000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1139	1143	1146	1145	1145	1144	1143	1143	1144	1138	1 00	1152	12 00	1111	41	1
1143	1146	1147	1147	1146	1146	1146	1145	1145	1139	19 30	1148	11 20	1111	37	2
1150	1154	1152	1152	1151	1151	1150	1151	1151	1143	17 00	1154	11 51	1120	34	3
1168	1164	1163	1160	1155	1156	1159	1156	1155	1154	16 00	1168	11 00	1135	33	4
1156	1153	1147	1148	1149	1147	1146	1147	1146	1144	16 00	1156	12 00	1111	45	5
1159	1160	1157	1155	1156	1154	1151	1148	1145	1142	16 00	1160	11 30	1111	49	6
1148	1145	1143	1141	1140	1139	1139	1137	1136	1131	16 00	1148	11 00	1110	38	7
1129	1138	1140	1144	1137	1145	1144	1139	1142	1133	19 23	1161	11 37	1104	57	8
1130	1138	1136	1141	1139	1146	1145	1148	1147	1136	23 00	1148	11 36	1112	36	9
1146	1157	1147	1148	1150	1147	1154	1153	1152	1142	17 00	1157	10 47	1109	48	10
1157	1160	1158	1156	1156	1155	1155	1155	1155	1147	17 00	1160	11 00	1120	40	11
1134	1139	1143	1145	1148	1146	1147	1146	1147	1139	6 21	1154	11 00	1108	46	12
1153	1152	1151	1151	1152	1151	1151	1152	1151	1144	16 00	1153	11 00	1117	36	13
1151	1153	1152	1152	1151	1153	1153	1151	1152	1145	7 25	1155	11 00	1115	40	14
1149	1151	1148	1147	1146	1147	1146	1145	1144	1140	17 00	1151	11 00	1111	40	15
1145	1142	1139	1138	1138	1139	1141	1149	1140	1136	23 00	1149	11 17	1105	44	16
1150	1154	1142	1143	1144	1139	1143	1142	1141	1136	17 00	1154	11 00	1101	53	17
1126	1135	1138	1137	1134	1137	1136	1139	1138	1128	5 00	1142	11 30	1099	43	18
1132	1137	1136	1138	1138	1136	1139	1138	1136	1130	7 00	1141	11 00	1101	40	19
1141	1137	1137	1139	1135	1136	1137	1136	1134	1129	16 00	1141	11 00	1100	41	20
1129	1134	1140	1145	1144	1142	1141	1140	1140	1125	19 00	1145	11 00	1090	55	21
1146	1145	1148	1150	1153	1149	1149	1152	1148	1139	20 04	1154	11 00	1109	45	22
1148	1154	1152	1151	1152	1149	1150	1149	1149	1142	17 00	1154	12 00	1121	33	23
1154	1152	1151	1153	1153	1152	1152	1151	1150	1145	16 00	1154	11 40	1122	32	24
1146	1150	1147	1146	1146	1143	1145	1146	1146	1140	0 42	1152	11 00	1114	38	25
1148	1151	1150	1149	1149	1148	1147	1148	1148	1140	17 00	1151	11 00	1117	34	26
1152	1153	1151	1149	1150	1152	1152	1151	1151	1142	17 00	1153	10 42	1112	41	27
1134	1142	1142	1143	1143	1142	1145	1144	1144	1135	1 42	1152	11 28	1104	48	28
1159	1164	1165	1165	1165	1166	1166	1166	1164	1145	20 48	1167	10 00	1113	54	29
1151	1158	1151	1154	1156	1156	1155	1154	1152	1147	1 00	1163	11 00	1115	48	30
1146	1149	1147	1148	1147	1147	1148	1147	1146	1139	----------	1153	----------	1111	42	--------
1151	1152	1150	1149	1149	1149	1149	1149	1148	1142	----------	1153	----------	1114	39	--------

HOURLY VALUES OF VERTICAL INTENSITY.

MAY, 1911. 10000 γ plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1[a]	1153	1152	1150	1152	1153	1149	1145	1133	1121	1112	1112	1117	1123	1132	1141
2	1148	1147	1147	1148	1149	1152	1154	1145	1134	1125	1120	1123	1125	1135	1144
3	1153	1153	1152	1153	1154	1155	1153	1144	1133	1122	1116	1120	1128	1137	1148
4[a]	1151	1150	1149	1150	1148	1144	1134	1121	1109	1107	1111	1121	1128	1136	1143
5	1147	1147	1145	1143	1145	1147	1149	1143	1132	1117	1114	1116	1125	1132	1143
6	1145	1140	1136	1132	1131	1131	1128	1120	1110	1107	1109	1113	1118	1132	1141
7	1152	1148	1145	1142	1140	1140	1132	1129	1120	1113	1111	1114	1125	1131	1141
8	1151	1142	1139	1139	1133	1131	1129	1126	1121	1118	1118	1123	1127	1136	1147
9	1158	1156	1155	1150	1150	1150	1147	1143	1136	1131	1125	1130	1142	1152	1162
10	1166	1165	1163	1162	1160	1159	1154	1148	1146	1144	1140	1146	1151	1155	1160
11	1152	1152	1151	1151	1150	1155	1150	1141	1127	1129	1131	1130	1138	1142	1147
12	1148	1145	1142	1142	1142	1139	1137	1132	1117	1111	1105	1112	1121	1129	1134
13[a]	1142	1143	1141	1140	1140	1139	1137	1130	1118	1110	1106	1112	1119	1125	1131
14	1143	1142	1141	1142	1141	1139	1136	1129	1116	1106	1099	1105	1118	1129	1142
15	1143	1142	1137	1143	1140	1136	1127	1125	1120	1116	1121	1127	1141	1147	1158
16	1156	1155	1154	1154	1153	1152	1154	1148	1138	1129	1127	1120	1124	1126	1140
17	1142	1132	1129	1124	1123	1119	1117	1108	1095	1081	1083	1090	1101	1110	1127
18	1142	1142	1141	1140	1142	1142	1138	1127	1118	1113	1111	1114	1120	1125	1132
19	1148	1147	1145	1144	1144	1141	1137	1135	1129	1118	1119	1123	1132	1138	1142
20	1147	1142	1139	1137	1133	1132	1128	1113	1099	1095	1096	1105	1116	1124	1133
21	1138	1135	1129	1127	1125	1123	1122	1115	1111	1107	1100	1104	1115	1124	1132
22[a]	1132	1132	1133	1134	1135	1133	1130	1127	1117	1106	1101	1104	1110	1121	1125
23	1135	1135	1134	1134	1135	1135	1130	1121	1114	1109	1107	1112	1116	1123	1134
24[a]	1148	1149	1151	1152	1154	1154	1151	1146	1138	1133	1124	1122	1131	1142	1145
25	1152	1151	1150	1149	1148	1147	1146	1142	1136	1128	1125	1126	1133	1137	1140
26	1141	1139	1135	1129	1129	1128	1118	1109	1104	1101	1095	1099	1112	1120	1128
27	1145	1144	1143	1142	1140	1140	1134	1129	1120	1114	1116	1119	1121	1125	1133
28	1138	1135	1130	1127	1125	1123	1114	1104	1100	1097	1098	1107	1120	1132	1140
29	1136	1134	1134	1131	1130	1130	1122	1113	1104	1098	1098	1103	1107	1116	1124
30	1132	1132	1131	1130	1128	1127	1124	1119	1111	1109	1110	1113	1119	1127	1130
31	1133	1130	1128	1126	1126	1124	1120	1115	1107	1103	1104	1109	1118	1129	1138
Mean	1146	1144	1142	1141	1140	1139	1135	1128	1119	1113	1111	1115	1123	1131	1140
Mean[a]	1145	1145	1145	1146	1146	1144	1139	1131	1121	1114	1111	1115	1122	1131	1137

JUNE, 1911. 10000 γ plus tabular quantities.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1132	1132	1131	1130	1129	1133	1134	1132	1126	1121	1114	1111	1112	1119	1124
2	1134	1135	1135	1134	1134	1139	1139	1135	1128	1123	1121	1119	1121	1124	1132
3[a]	1144	1143	1142	1143	1143	1145	1143	1137	1128	1122	1115	1120	1126	1132	1135
4	1143	1142	1141	1138	1140	1143	1136	1128	1116	1106	1114	1117	1122	1125	1130
5	1142	1138	1136	1134	1133	1131	1130	1125	1117	1115	1116	1113	1121	1125	1135
6	1134	1133	1132	1132	1130	1129	1127	1122	1117	1115	1116	1118	1127	1130	1133
7	1128	1129	1130	1128	1128	1130	1124	1117	1105	1095	1097	1106	1114	1120	1126
8	1125	1125	1126	1124	1125	1126	1121	1117	1103	1092	1094	1101	1109	1117	1126
9	1127	1128	1130	1132	1132	1133	1132	1126	1118	1110	1104	1107	1111	1118	1123
10	1131	1130	1128	1130	1126	1125	1118	1112	1102	1103	1104	1103	1105	1117	1130
11	1130	1128	1127	1126	1124	1120	1114	1107	1096	1098	1100	1100	1113	1124	1126
12	1126	1127	1128	1126	1127	1128	1123	1112	1107	1104	1099	1102	1105	1110	1115
13	1115	1115	1112	1109	1107	1104	1100	1097	1095	1089	1087	1090	1093	1097	1108
14	1121	1120	1120	1118	1119	1121	1119	1115	1107	1095	1088	1084	1083	1086	1094
15	1124	1123	1122	1119	1120	1118	1118	1116	1111	1105	1102	1104	1106	1108	1110
16	1118	1116	1115	1115	1116	1117	1116	1112	1104	1095	1087	1089	1094	1097	1104
17[a]	1122	1122	1121	1121	1120	1119	1116	1112	1105	1098	1099	1100	1106	1111	1116
18[a]	1121	1119	1116	1113	1111	1110	1103	1096	1084	1081	1081	1083	1092	1099	1108
19[a]	1117	1115	1112	1110	1111	1110	1103	1100	1097	1094	1093	1095	1099	1106	1109
20	1112	1109	1107	1104	1102	1101	1096	1093	1090	1086	1085	1089	1093	1104	1114
21	1122	1123	1120	1118	1116	1115	1115	1112	1104	1097	1093	1096	1102	1114	1122
22	1125	1123	1118	1114	1112	1111	1103	1099	1092	1091	1094	1104	1108	1116	1124
23	1136	1134	1133	1130	1125	1124	1122	1121	1118	1120	1123	1131	1134	1131	1134
24	1145	1143	1143	1136	1133	1132	1128	1121	1113	1112	1118	1126	1132	1141	1146
25[a]	1148	1146	1143	1140	1138	1137	1136	1125	1118	1117	1115	1117	1118	1120	1130
26	1147	1145	1142	1136	1132	1129	1120	1113	1108	1109	1110	1114	1121	1126	1130
27	1141	1140	1138	1137	1137	1136	1133	1130	1126	1119	1121	1129	1133	1139	1144
28	1143	1141	1137	1133	1130	1128	1120	1109	1104	1108	1118	1119	1121	1124	1134
29	1144	1141	1136	1132	1130	1130	1121	1116	1109	1105	1102	1103	1124	1136	1149
30	1131	1130	1130	1129	1129	1131	1127	1115	1103	1096	1094	1095	1102	1111	1117
Mean	1131	1130	1128	1126	1125	1125	1121	1116	1108	1104	1103	1106	1112	1118	1124
Mean[a]	1130	1129	1127	1125	1125	1124	1120	1114	1106	1102	1101	1103	1108	1114	1120

[a] Five international quiet days.

HOURLY VALUES OF VERTICAL INTENSITY.

MAY, 1911. 10000 γ plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1146	1149	1149	1148	1147	1148	1149	1147	1147	1141	0 34	1154	11 21	1111	43	1
1151	1154	1156	1154	1154	1155	1155	1156	1154	1145	23 23	1158	11 00	1120	38	2
1154	1155	1154	1153	1153	1154	1154	1153	1152	1146	16 48	1156	11 00	1116	40	3
1148	1149	1148	1146	1146	1145	1146	1146	1145	1138	1 00	1151	10 00	1107	44	4
1152	1151	1150	1153	1153	1151	1149	1148	1147	1142	19 12	1154	11 00	1114	40	5
1152	1154	1154	1154	1152	1151	1150	1154	1153	1136	17 35	1154	10 00	1107	47	6
1151	1155	1156	1155	1154	1148	1150	1147	1143	1139	20 16	1161	11 19	1103	58	7
1154	1163	1160	1164	1161	1162	1164	1163	1160	1143	16 45	1165	10 33	1116	49	8
1170	1175	1177	1175	1174	1171	1169	1169	1169	1156	18 00	1177	11 00	1125	52	9
1165	1163	1162	1161	1160	1159	1157	1156	1154	1156	0 31	1170	11 00	1140	30	10
1150	1148	1148	1149	1149	1149	1150	1150	1150	1145	5 33	1156	9 00	1127	29	11
1136	1140	1141	1143	1142	1144	1143	1143	1143	1135	0 22	1152	11 40	1104	48	12
1139	1140	1142	1142	1142	1143	1142	1142	1144	1134	24 00	1144	11 00	1106	38	13
1148	1154	1156	1155	1152	1150	1148	1144	1143	1137	17 37	1157	11 00	1099	58	14
1163	1168	1167	1165	1164	1164	1162	1160	1157	1146	17 33	1170	10 25	1107	63	15
1144	1148	1146	1149	1147	1150	1145	1144	1142	1144	1 00	1156	12 34	1116	40	16
1140	1143	1145	1151	1149	1150	1144	1145	1144	1125	19 00	1151	10 54	1080	71	17
1143	1146	1150	1147	1148	1148	1148	1149	1149	1136	17 00	1150	11 24	1110	40	18
1146	1148	1151	1152	1153	1152	1151	1151	1151	1142	20 00	1153	10 00	1118	35	19
1137	1142	1144	1144	1143	1142	1143	1142	1140	1130	1 11	1149	10 00	1095	54	20
1138	1143	1145	1148	1146	1145	1142	1141	1134	1129	19 00	1148	11 00	1100	48	21
1130	1133	1134	1134	1135	1135	1134	1135	1136	1127	24 00	1136	11 00	1101	35	22
1141	1144	1145	1145	1146	1147	1146	1146	1146	1132	21 00	1147	11 00	1107	40	23
1153	1156	1156	1158	1159	1158	1157	1155	1154	1148	20 00	1159	12 00	1122	37	24
1142	1143	1143	1144	1145	1144	1144	1143	1144	1142	1 00	1152	11 00	1125	27	25
1134	1149	1154	1154	1153	1152	1151	1146	1147	1130	18 30	1155	11 00	1095	60	26
1137	1143	1147	1147	1146	1145	1143	1141	1140	1136	19 42	1148	10 00	1114	34	27
1142	1143	1144	1142	1141	1140	1138	1139	1137	1127	18 00	1144	10 00	1097	47	28
1130	1134	1136	1137	1136	1135	1136	1136	1135	1125	19 00	1137	10 30	1097	40	29
1133	1134	1135	1136	1136	1136	1135	1135	1134	1127	19 20	1139	10 21	1108	31	30
1140	1144	1145	1146	1145	1143	1141	1138	1134	1129	18 37	1147	9 55	1102	45	31
1145	1149	1150	1150	1149	1149	1148	1147	1146	1138	----------	1153	----------	1109	44	--------
1143	1145	1146	1146	1146	1146	1146	1145	1145	1138	----------	1149	----------	1110	39	--------

JUNE, 1911. 10000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1130	1135	1135	1132	1132	1130	1130	1131	1132	1128	17 22	1137	12 00	1111	26	1
1142	1145	1147	1142	1143	1143	1144	1143	1145	1135	18 00	1147	12 00	1119	28	2
1137	1143	1142	1143	1144	1146	1146	1146	1145	1138	22 43	1147	11 00	1115	32	3
1134	1138	1142	1143	1144	1142	1144	1143	1142	1134	20 20	1146	10 00	1106	40	4
1138	1140	1143	1142	1141	1140	1139	1138	1136	1132	18 00	1143	12 00	1113	30	5
1135	1137	1136	1138	1136	1136	1134	1134	1132	1130	18 48	1139	10 00	1115	24	6
1134	1136	1137	1134	1134	1132	1131	1129	1127	1124	18 00	1137	10 00	1095	42	7
1134	1133	1133	1130	1132	1132	1130	1129	1128	1121	16 00	1134	9 54	1091	43	8
1129	1133	1134	1132	1130	1128	1128	1131	1132	1125	18 00	1134	11 00	1104	30	9
1138	1137	1137	1139	1136	1137	1136	1136	1135	1125	19 00	1139	9 21	1099	40	10
1129	1128	1128	1130	1132	1131	1129	1128	1127	1121	20 36	1135	9 00	1096	39	11
1118	1119	1117	1118	1118	1117	1118	1117	1117	1117	0 26	1129	11 00	1099	30	12
1117	1123	1126	1127	1127	1127	1128	1122	1120	1110	22 12	1129	10 57	1086	43	13
1103	1112	1116	1118	1122	1124	1125	1125	1126	1111	24 00	1126	13 00	1083	43	14
1117	1124	1122	1123	1123	1123	1124	1122	1121	1117	0 12	1125	11 00	1102	23	15
1108	1114	1119	1121	1123	1122	1122	1121	1122	1111	20 00	1123	11 19	1086	37	16
1119	1122	1122	1122	1123	1122	1121	1121	1122	1116	20 00	1123	10 00	1098	25	17
1117	1122	1122	1122	1121	1120	1119	1117	1116	1108	16 50	1123	11 10	1080	43	18
1112	1114	1113	1113	1112	1112	1113	1112	1113	1108	1 00	1117	11 00	1093	24	19
1117	1119	1120	1122	1123	1122	1121	1121	1120	1107	20 00	1123	11 05	1084	39	20
1133	1134	1134	1136	1132	1130	1130	1129	1127	1119	19 16	1138	11 24	1092	46	21
1127	1137	1143	1145	1143	1142	1143	1140	1137	1120	19 00	1145	10 00	1091	54	22
1140	1146	1149	1150	1150	1149	1148	1147	1147	1135	19 49	1151	9 00	1118	33	23
1150	1152	1154	1153	1152	1151	1151	1150	1149	1139	18 00	1154	10 00	1112	42	24
1140	1149	1152	1152	1151	1151	1150	1149	1150	1137	17 40	1153	11 25	1114	39	25
1134	1142	1145	1145	1144	1144	1143	1143	1143	1132	1 00	1147	9 00	1108	39	26
1148	1149	1149	1148	1148	1147	1147	1146	1144	1139	17 30	1150	10 00	1119	31	27
1145	1147	1152	1151	1151	1153	1150	1147	1145	1134	21 00	1153	9 00	1104	49	28
1154	1153	1150	1145	1143	1140	1139	1135	1133	1132	16 17	1156	11 19	1100	56	29
1126	1129	1128	1127	1126	1125	1125	1124	1125	1120	17 00	1129	11 00	1094	35	30
1130	1134	1135	1135	1135	1134	1134	1133	1132	1124	----------	1138	----------	1101	37	--------
1125	1130	1130	1130	1130	1130	1130	1129	1129	1121	----------	1133	----------	1100	33	--------

HOURLY VALUES OF VERTICAL INTENSITY.

JULY, 1911. 10000 γ plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1122	1121	1117	1113	1112	1111	1112	1113	1105	1092	1089	1082	1086	1086	1098
2	1112	1111	1110	1109	1108	1107	1106	1104	1103	1100	1097	1094	1092	1091	1087
3	1108	1108	1108	1104	1102	1102	1103	1103	1101	1098	1097	1098	1100	1102	1107
4	1118	1117	1114	1109	1106	1106	1106	1101	1098	1096	1095	1097	1101	1106	1108
5	1118	1114	1108	1106	1103	1104	1103	1100	1096	1090	1096	1097	1101	1106	1113
6	1119	1118	1115	1112	1110	1106	1104	1102	1101	1097	1093	1094	1099	1106	1115
7	1128	1130	1130	1131	1133	1133	1130	1119	1112	1100	1095	1097	1102	1108	1119
8	1135	1134	1134	1135	1136	1138	1126	1117	1109	1102	1103	1104	1106	1110	1117
9	1138	1137	1137	1136	1136	1137	1128	1120	1115	1113	1110	1112	1116	1125	1134
10	1151	1153	1154	1155	1156	1156	1152	1142	1130	1124	1121	1123	1126	1132	1137
11	1150	1151	1152	1152	1153	1152	1146	1134	1125	1123	1118	1120	1127	1136	1142
12	1158	1156	1155	1153	1153	1154	1151	1143	1134	1132	1130	1127	1134	1138	1147
13[a]	1147	1146	1145	1144	1142	1141	1140	1135	1129	1122	1116	1118	1124	1133	1138
14[a]	1137	1135	1134	1132	1131	1130	1126	1122	1114	1106	1094	1093	1096	1106	1117
15[a]	1126	1126	1125	1125	1125	1124	1123	1118	1112	1104	1099	1102	1104	1106	1113
16[a]	1113	1112	1112	1112	1112	1110	1106	1095	1084	1080	1076	1078	1081	1086	1098
17	1110	1110	1110	1109	1109	1111	1110	1105	1095	1080	1076	1078	1078	1087	1097
18	1107	1105	1107	1107	1103	1102	1102	1102	1098	1090	1080	1076	1073	1082	1090
19	1099	1097	1097	1098	1097	1098	1098	1093	1089	1081	1080	1080	1083	1091	1099
20	1103	1102	1100	1099	1097	1097	1094	1093	1089	1091	1087	1088	1091	1094	1097
21	1093	1094	1096	1097	1099	1100	1099	1095	1090	1086	1083	1085	1088	1093	1098
22	1107	1107	1107	1104	1102	1102	1101	1096	1094	1093	1095	1095	1095	1096	1101
23	1108	1108	1106	1104	1101	1104	1095	1084	1080	1080	1073	1069	1067	1074	1082
24	1097	1097	1097	1097	1098	1095	1095	1098	1107	1111	1102	1097	1095	1092	1097
25	1111	1108	1107	1104	1105	1109	1100	1092	1086	1085	1088	1094	1108	1117	1125
26[a]	1135	1134	1133	1132	1131	1132	1128	1118	1107	1098	1096	1100	1106	1117	1128
27	1133	1132	1131	1131	1130	1131	1125	1117	1111	1106	1109	1113	1112	1117	1124
28	1132	1129	1128	1127	1123	1122	1115	1109	1103	1108	1107	1108	1116	1123	1133
29	1133	1130	1128	1122	1119	1120	1125	1116	1117	1108	1098	1099	1111	1113	1123
30	1124	1122	1122	1120	1119	1120	1111	1101	1096	1090	1089	1091	1100	1105	1123
31	1126	1123	1119	1119	1118	1119	1119	1109	1100	1089	1080	1081	1093	1102	1102
Mean	1123	1122	1121	1119	1118	1118	1115	1110	1104	1099	1096	1096	1100	1106	1113
Mean[a]	1132	1131	1130	1129	1128	1127	1125	1118	1109	1102	1096	1098	1102	1110	1119

AUGUST, 1911. 10000 γ plus tabular quantities.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1103	1103	1103	1103	1101	1102	1096	1090	1080	1070	1064	1063	1067	1070	1076
2	1093	1093	1093	1093	1093	1094	1093	1088	1079	1074	1067	1066	1076	1079	1088
3	1098	1098	1097	1097	1098	1099	1098	1095	1077	1078	1086	1086	1089	1099	1100
4	1108	1109	1113	1116	1117	1119	1116	1113	1110	1106	1099	1098	1104	1115	1124
5	1142	1141	1137	1137	1136	1136	1128	1121	1123	1124	1126	1135	1138	1141	1146
6	1164	1160	1160	1159	1154	1156	1148	1128	1118	1116	1119	1139	1147	1150	1156
7[a]	1169	1170	1167	1166	1163	1162	1158	1150	1146	1146	1144	1144	1147	1156	1164
8[a]	1172	1171	1167	1165	1165	1166	1159	1143	1133	1129	1130	1137	1145	1158	1172
9	1164	1162	1162	1162	1159	1161	1157	1143	1121	1111	1110	1112	1123	1133	1142
10[a]	1159	1158	1157	1156	1155	1156	1152	1139	1135	1128	1122	1121	1124	1131	1142
11[a]	1145	1144	1143	1142	1142	1143	1140	1130	1120	1111	1107	1111	1116	1124	1135
12	1147	1147	1147	1147	1146	1148	1138	1127	1121	1116	1115	1121	1126	1130	1134
13	1143	1141	1140	1139	1138	1141	1134	1124	1112	1103	1097	1105	1116	1126	1136
14	1141	1141	1140	1140	1141	1143	1139	1129	1114	1115	1109	1103	1112	1124	1135
15	1143	1143	1142	1141	1143	1146	1148	1144	1137	1130	1123	1129	1131	1135	1138
16	1150	1149	1149	1148	1147	1146	1144	1138	1133	1126	1119	1129	1139	1149	1154
17	1161	1161	1160	1160	1158	1154	1150	1143	1138	1132	1129	1129	1135	1143	1149
18	1156	1155	1155	1154	1152	1154	1147	1140	1128	1124	1121	1120	1122	1127	1135
19	1133	1133	1132	1130	1128	1132	1125	1115	1117	1117	1116	1118	1126	1128	1132
20	1136	1136	1135	1133	1133	1130	1124	1118	1111	1108	1112	1117	1122	1125	1129
21	1130	1131	1131	1131	1130	1129	1126	1120	1112	1103	1098	1099	1105	1114	1123
22	1127	1126	1126	1123	1121	1123	1116	1108	1108	1114	1118	1118	1120	1129	1134
23	1141	1141	1139	1138	1137	1141	1139	1126	1108	1101	1096	1099	1110	1123	1137
24	1147	1141	1141	1140	1137	1139	1135	1137	1126	1112	1116	1115	1120	1135	1140
25	1128	1128	1126	1127	1125	1126	1112	1094	1074	1073	1078	1086	1097	1106	1112
26	1111	1111	1111	1111	1110	1113	1106	1094	1080	1073	1072	1082	1093	1106	1114
27	1119	1118	1117	1115	1115	1113	1111	1096	1080	1069	1065	1070	1084	1105	1119
28	1129	1126	1128	1128	1127	1129	1127	1115	1102	1100	1099	1099	1110	1117	1128
29[a]	1126	1125	1123	1123	1123	1124	1129	1127	1119	1113	1109	1110	1117	1126	1134
30	1130	1130	1130	1129	1129	1129	1128	1120	1111	1103	1101	1105	1114	1124	1135
31	1133	1131	1132	1132	1131	1133	1136	1130	1119	1110	1103	1107	1116	1124	1135
Mean	1137	1136	1136	1135	1134	1135	1131	1122	1113	1108	1105	1109	1116	1124	1132
Mean[a]	1154	1154	1151	1150	1150	1150	1148	1138	1131	1125	1122	1125	1130	1139	1149

[a] Five international quiet days.

HOURLY VALUES OF VERTICAL INTENSITY.

JULY, 1911. 10000 γ plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1107	1109	1111	1113	1112	1112	1113	1112	1114	1107	1 00	1122	12 00	1082	40	1
1095	1102	1107	1109	1108	1108	1108	1107	1107	1103	0 01	1114	15 00	1087	27	2
1112	1116	1118	1120	1119	1119	1118	1118	1116	1108	19 00	1120	11 00	1097	23	3
1112	1117	1123	1123	1122	1120	1119	1117	1116	1110	18 41	1124	11 00	1095	29	4
1120	1121	1122	1123	1121	1120	1119	1118	1117	1110	19 00	1123	10 00	1090	33	5
1121	1125	1127	1126	1126	1125	1125	1126	1126	1113	18 00	1127	11 00	1093	34	6
1127	1131	1129	1129	1130	1131	1132	1133	1133	1123	5 12	1134	11 00	1095	39	7
1126	1135	1141	1140	1139	1140	1140	1139	1140	1127	18 00	1141	10 00	1102	39	8
1141	1146	1147	1147	1146	1148	1147	1147	1147	1134	20 51	1149	11 36	1109	40	9
1145	1147	1146	1145	1146	1147	1147	1148	1150	1143	5 30	1157	11 00	1121	36	10
1146	1150	1152	1153	1154	1154	1156	1156	1157	1144	24 00	1157	11 00	1118	39	11
1151	1153	1154	1154	1153	1152	1151	1150	1148	1147	18 32	1155	12 00	1127	28	12
1142	1145	1142	1142	1141	1140	1139	1138	1136	1137	0 01	1148	11 00	1116	32	13
1125	1127	1127	1126	1126	1125	1124	1125	1127	1121	1 00	1137	12 00	1093	44	14
1116	1119	1120	1118	1116	1115	1115	1115	1114	1116	0 43	1127	11 00	1099	28	15
1107	1114	1113	1113	1112	1111	1112	1112	1113	1103	17 00	1114	11 00	1076	38	16
1104	1110	1112	1109	1104	1107	1107	1107	1107	1101	18 00	1112	11 00	1076	36	17
1092	1097	1102	1100	1100	1101	1101	1102	1100	1097	1 27	1108	12 49	1071	37	18
1100	1102	1103	1106	1104	1103	1104	1104	1103	1096	19 29	1112	11 23	1077	35	19
1106	1105	1105	1104	1102	1101	1100	1096	1093	1097	16 00	1106	11 38	1086	20	20
1104	1105	1106	1106	1107	1107	1108	1108	1108	1098	22 10	1109	11 00	1083	26	21
1107	1108	1107	1107	1107	1106	1106	1105	1105	1102	17 00	1108	10 25	1092	16	22
1092	1092	1092	1092	1093	1093	1093	1093	1095	1090	1 30	1109	12 20	1066	43	23
1112	1104	1111	1111	1111	1102	1111	1112	1111	1102	20 33	1113	14 00	1092	21	24
1133	1134	1134	1135	1137	1137	1137	1137	1137	1115	23 20	1138	10 00	1085	53	25
1136	1135	1134	1134	1135	1135	1134	1133	1133	1125	16 00	1136	11 00	1096	40	26
1130	1134	1136	1136	1137	1137	1136	1135	1134	1127	20 44	1138	10 00	1106	32	27
1144	1148	1147	1148	1154	1145	1143	1140	1142	1129	19 34	1156	11 54	1102	54	28
1133	1141	1141	1134	1131	1126	1129	1129	1128	1123	16 32	1142	11 40	1096	46	29
1133	1134	1137	1136	1134	1133	1130	1130	1128	1118	18 00	1137	11 15	1088	49	30
1106	1113	1117	1113	1110	1108	1107	1106	1104	1108	0 01	1128	11 37	1079	49	31
1120	1123	1125	1124	1124	1123	1123	1123	1122	1115	----------	1129	----------	1093	36	--------
1125	1128	1127	1127	1126	1125	1125	1125	1125	1120	----------	1132	----------	1096	36	--------

AUGUST, 1911. 10000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1083	1093	1092	1092	1091	1091	1092	1092	1092	1088	0 50	1104	11 38	1062	42	1
1095	1095	1096	1098	1098	1098	1098	1097	1096	1089	21 33	1099	11 27	1065	34	2
1106	1101	1107	1105	1105	1105	1105	1105	1105	1097	18 00	1107	9 34	1076	31	3
1137	1144	1144	1144	1144	1144	1143	1143	1143	1123	16 50	1145	12 19	1096	49	4
1156	1163	1167	1167	1166	1166	1164	1162	1166	1145	18 30	1168	8 00	1121	47	5
1162	1165	1168	1173	1174	1174	1173	1172	1168	1154	20 07	1175	10 00	1116	59	6
1169	1177	1177	1176	1176	1175	1174	1173	1173	1163	17 46	1178	11 39	1143	35	7
1173	1175	1173	1171	1170	1168	1167	1165	1165	1160	17 00	1175	10 00	1129	46	8
1154	1162	1162	1162	1161	1161	1160	1159	1159	1148	1 00	1164	11 00	1110	54	9
1149	1150	1153	1153	1152	1151	1149	1148	1147	1145	1 00	1159	12 00	1121	38	10
1146	1152	1152	1151	1151	1150	1150	1151	1150	1138	17 35	1153	11 00	1107	46	11
1143	1145	1146	1150	1150	1149	1149	1148	1147	1139	19 30	1151	11 00	1115	36	12
1144	1145	1144	1144	1143	1143	1143	1143	1143	1133	17 00	1145	11 06	1096	49	13
1144	1145	1147	1148	1148	1147	1146	1145	1145	1135	20 16	1149	12 00	1103	46	14
1147	1155	1156	1155	1153	1153	1152	1152	1152	1144	18 00	1156	11 00	1123	33	15
1162	1166	1165	1165	1165	1165	1165	1165	1164	1150	17 00	1166	11 00	1119	47	16
1155	1160	1162	1162	1163	1163	1162	1160	1159	1152	20 30	1164	11 50	1128	36	17
1143	1146	1143	1141	1140	1138	1138	1137	1137	1140	0 01	1159	12 00	1120	39	18
1133	1135	1135	1136	1137	1135	1136	1135	1140	1129	20 14	1145	8 00	1115	30	19
1131	1132	1134	1135	1135	1134	1134	1133	1132	1128	0 01	1140	10 00	1108	32	20
1127	1131	1132	1128	1128	1127	1129	1130	1130	1123	18 00	1132	11 00	1098	34	21
1136	1139	1141	1144	1145	1145	1145	1145	1145	1129	23 10	1146	8 15	1107	39	22
1142	1144	1147	1147	1150	1148	1145	1138	1149	1133	22 35	1160	10 47	1095	65	23
1144	1147	1145	1146	1144	1134	1132	1132	1130	1135	17 00	1147	10 04	1111	36	24
1118	1116	1115	1114	1114	1115	1114	1113	1113	1109	0 01	1130	10 12	1072	58	25
1116	1114	1117	1117	1118	1121	1120	1116	1117	1106	21 00	1121	11 00	1072	49	26
1129	1134	1131	1129	1128	1128	1127	1129	1126	1111	17 00	1134	11 00	1065	69	27
1132	1134	1132	1130	1131	1130	1130	1129	1129	1123	17 00	1134	11 43	1098	36	28
1139	1141	1140	1139	1138	1137	1136	1135	1133	1128	17 00	1141	11 00	1109	32	29
1139	1141	1142	1141	1138	1135	1137	1135	1133	1127	18 00	1142	11 00	1101	41	30
1144	1153	1155	1150	1153	1153	1153	1154	1152	1135	19 17	1158	11 00	1103	55	31
1139	1142	1143	1142	1142	1141	1141	1140	1140	1131	----------	1147	----------	1104	43	--------
1155	1159	1159	1158	1157	1156	1155	1154	1154	1147	----------	1161	----------	1122	39	--------

HOURLY VALUES OF VERTICAL INTENSITY.

SEPTEMBER, 1911. 10000 γ plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1151	1151	1149	1148	1148	1149	1143	1136	1135	1131	1129	1124	1131	1140	1149
2[a]	1151	1150	1148	1147	1146	1146	1145	1140	1129	1123	1118	1120	1130	1140	1148
3[a]	1153	1152	1151	1149	1149	1148	1147	1139	1132	1123	1116	1116	1122	1130	1141
4	1160	1160	1159	1158	1156	1155	1149	1136	1129	1127	1130	1136	1145	1157	1166
5	1172	1171	1170	1168	1167	1165	1162	1153	1142	1137	1134	1135	1142	1151	1162
6	1172	1169	1167	1165	1164	1162	1159	1151	1141	1138	1134	1132	1135	1145	1156
7	1176	1174	1173	1171	1168	1166	1160	1147	1139	1137	1140	1142	1148	1156	1164
8	1169	1167	1164	1161	1158	1156	1154	1149	1143	1130	1128	1130	1135	1147	1159
9	1168	1167	1164	1161	1159	1156	1154	1146	1137	1125	1124	1130	1138	1148	1159
10	1168	1166	1163	1161	1156	1155	1153	1147	1141	1128	1126	1129	1140	1155	1160
11	1168	1167	1165	1162	1161	1159	1154	1138	1123	1119	1119	1120	1123	1134	1143
12	1141	1139	1136	1134	1133	1132	1128	1121	1115	1101	1102	1104	1113	1121	1133
13	1148	1147	1145	1143	1142	1140	1137	1124	1114	1107	1106	1112	1122	1136	1147
14[a]	1150	1149	1147	1146	1146	1145	1144	1139	1126	1117	1116	1117	1128	1140	1151
15	1149	1148	1146	1144	1143	1143	1141	1133	1128	1123	1122	1123	1131	1139	1146
16	1157	1155	1153	1152	1149	1146	1142	1135	1127	1117	1113	1119	1122	1133	1144
17	1147	1146	1144	1143	1142	1141	1136	1131	1129	1127	1124	1125	1130	1135	1139
18	1133	1133	1131	1129	1128	1128	1128	1118	1111	1105	1102	1102	1107	1112	1119
19	1126	1126	1125	1124	1123	1123	1123	1116	1110	1102	1095	1101	1112	1128	1135
20	1129	1128	1125	1126	1127	1127	1124	1113	1100	1104	1096	1109	1126	1136	1139
21	1142	1140	1138	1137	1135	1134	1130	1126	1121	1119	1119	1123	1128	1134	1137
22	1131	1130	1129	1128	1128	1126	1121	1111	1101	1102	1104	1107	1110	1120	1130
23	1130	1128	1127	1127	1125	1124	1119	1111	1101	1093	1093	1099	1111	1122	1134
24	1138	1137	1134	1131	1131	1129	1124	1113	1103	1099	1095	1096	1109	1123	1136
25[a]	1130	1130	1129	1128	1127	1126	1126	1118	1106	1085	1073	1081	1090	1106	1122
26[a]	1141	1140	1140	1139	1138	1137	1137	1129	1113	1104	1102	1103	1110	1116	1127
27	1145	1144	1144	1144	1143	1142	1142	1138	1125	1114	1110	1112	1117	1124	1132
28	1139	1138	1137	1135	1134	1133	1132	1123	1117	1109	1108	1113	1121	1130	1136
29	1135	1135	1135	1134	1133	1131	1125	1116	1100	1090	1086	1091	1098	1108	1116
30	1132	1133	1133	1133	1133	1134	1132	1128	1119	1114	1111	1116	1122	1130	1134
Mean	1148	1147	1146	1144	1143	1142	1139	1131	1122	1115	1112	1116	1123	1133	1142
Mean[a]	1145	1144	1143	1142	1141	1140	1140	1133	1121	1110	1105	1107	1116	1126	1138

OCTOBER, 1911. 10000 γ plus tabular quantities.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1[a]	1132	1132	1131	1130	1131	1133	1128	1121	1112	1103	1097	1099	1104	1115	1124
2	1131	1130	1130	1131	1131	1132	1131	1124	1117	1104	1097	1100	1104	1112	1118
3	1128	1126	1124	1124	1121	1122	1118	1114	1108	1103	1102	1107	1114	1126	1135
4	1134	1132	1133	1133	1133	1133	1133	1123	1108	1097	1096	1098	1103	1111	1119
5[a]	1132	1131	1132	1132	1130	1130	1127	1121	1114	1105	1099	1098	1101	1106	1113
6	1122	1121	1118	1120	1120	1122	1119	1114	1096	1085	1081	1088	1099	1110	1118
7	1112	1109	1108	1108	1107	1105	1103	1095	1086	1074	1071	1074	1083	1094	1104
8	1105	1103	1102	1102	1101	1101	1100	1096	1090	1078	1074	1081	1090	1099	1107
9	1113	1112	1110	1109	1109	1109	1107	1102	1096	1086	1084	1089	1099	1112	1121
10	1121	1120	1120	1120	1120	1120	1119	1110	1101	1087	1085	1090	1107	1124	1133
11	1130	1130	1129	1126	1128	1127	1125	1119	1111	1097	1092	1096	1105	1113	1121
12	1135	1133	1133	1132	1133	1134	1134	1130	1124	1110	1105	1105	1111	1122	1132
13	1142	1142	1141	1140	1138	1139	1136	1131	1123	1108	1102	1093	1098	1106	1114
14	1124	1123	1122	1123	1123	1122	1118	1110	1099	1089	1086	1087	1093	1105	1115
15[a]	1123	1123	1122	1121	1121	1120	1117	1110	1102	1098	1097	1099	1104	1112	1118
16	1118	1117	1117	1119	1121	1121	1115	1107	1099	1093	1095	1099	1104	1111	1117
17	1121	1122	1124	1124	1122	1123	1119	1110	1101	1096	1097	1105	1112	1119	1122
18	1131	1132	1131	1131	1132	1130	1127	1125	1115	1100	1103	1108	1114	1119	1122
19	1126	1124	1124	1122	1123	1124	1120	1110	1094	1090	1091	1094	1104	1116	1123
20	1125	1124	1122	1120	1117	1115	1113	1109	1101	1099	1098	1104	1111	1117	1122
21	1121	1121	1120	1119	1119	1118	1117	1108	1100	1095	1094	1099	1106	1116	1126
22	1135	1135	1136	1136	1137	1137	1132	1124	1111	1102	1100	1107	1116	1125	1134
23[a]	1132	1131	1130	1129	1130	1131	1128	1120	1108	1096	1097	1102	1111	1119	1129
24	1135	1135	1134	1134	1134	1135	1130	1122	1114	1105	1104	1109	1115	1122	1128
25	1132	1132	1131	1131	1130	1131	1124	1115	1104	1094	1095	1099	1107	1114	1119
26	1124	1125	1126	1126	1128	1128	1124	1114	1104	1096	1094	1097	1105	1111	1118
27	1130	1132	1133	1135	1136	1138	1134	1123	1108	1100	1100	1106	1113	1120	1127
28[a]	1138	1138	1138	1137	1136	1137	1134	1123	1107	1100	1098	1101	1108	1117	1126
29	1129	1128	1127	1127	1128	1128	1122	1113	1101	1099	1098	1101	1107	1114	1118
30	1122	1123	1124	1126	1126	1127	1123	1115	1104	1094	1092	1099	1106	1115	1122
31	1127	1127	1127	1126	1128	1129	1126	1118	1106	1097	1094	1096	1104	1115	1124
Mean	1127	1126	1126	1126	1126	1126	1123	1115	1105	1096	1094	1098	1105	1114	1122
Mean[a]	1131	1131	1131	1130	1130	1130	1127	1119	1109	1100	1098	1100	1106	1114	1122

[a] Five international quiet days.

HOURLY VALUES OF VERTICAL INTENSITY.

SEPTEMBER, 1911. 10000 γ plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1152	1153	1153	1152	1154	1155	1155	1155	1155	1146	23 06	1156	12 00	1124	32	1
1153	1155	1155	1156	1157	1156	1156	1154	1154	1145	20 28	1158	11 00	1118	40	2
1152	1158	1160	1162	1163	1163	1163	1163	1163	1146	23 37	1164	11 35	1115	49	3
1169	1172	1174	1176	1177	1177	1176	1176	1174	1158	20 13	1178	10 00	1127	51	4
1171	1178	1179	1180	1178	1177	1177	1176	1175	1163	19 00	1180	11 00	1134	46	5
1170	1177	1178	1180	1182	1183	1182	1181	1179	1163	21 00	1183	12 11	1131	52	6
1171	1175	1177	1180	1179	1176	1174	1172	1171	1164	19 00	1180	10 00	1137	43	7
1168	1171	1171	1172	1173	1172	1172	1171	1171	1158	20 00	1173	11 00	1128	45	8
1168	1178	1180	1179	1179	1178	1177	1175	1170	1159	18 00	1180	10 26	1123	57	9
1168	1168	1170	1173	1174	1173	1172	1171	1169	1158	20 00	1174	11 00	1126	48	10
1148	1149	1147	1146	1146	1145	1143	1144	1142	1144	0 01	1169	11 21	1118	51	11
1142	1143	1144	1144	1146	1148	1148	1147	1147	1132	23 21	1149	10 00	1101	48	12
1155	1158	1158	1158	1157	1157	1156	1155	1153	1141	19 09	1159	10 37	1105	54	13
1156	1156	1156	1156	1156	1156	1155	1154	1153	1144	16 35	1157	11 00	1116	41	14
1156	1159	1160	1160	1160	1162	1162	1162	1162	1146	20 38	1163	11 10	1121	42	15
1148	1153	1153	1153	1152	1151	1152	1152	1150	1143	0 01	1162	11 00	1113	49	16
1142	1144	1144	1144	1142	1140	1139	1137	1137	1138	0 21	1152	11 00	1124	28	17
1122	1123	1126	1128	1128	1129	1129	1130	1129	1122	0 01	1137	11 22	1101	36	18
1139	1138	1137	1136	1135	1135	1134	1132	1131	1124	16 00	1139	11 00	1095	44	19
1141	1138	1141	1151	1152	1147	1147	1144	1144	1130	19 51	1153	10 53	1095	58	20
1140	1137	1138	1139	1138	1136	1136	1135	1133	1133	0 01	1144	10 33	1118	26	21
1131	1132	1133	1134	1134	1134	1134	1133	1132	1124	20 50	1135	9 00	1101	34	22
1140	1141	1141	1141	1142	1143	1144	1142	1143	1126	22 00	1144	10 36	1092	52	23
1139	1139	1138	1137	1137	1136	1136	1134	1134	1126	0 01	1142	11 00	1095	47	24
1132	1136	1138	1139	1140	1139	1139	1140	1140	1122	23 32	1141	11 00	1073	68	25
1133	1138	1140	1141	1141	1142	1142	1143	1144	1131	24 00	1144	11 00	1102	42	26
1136	1138	1139	1139	1138	1139	1138	1138	1137	1134	1 00	1145	11 00	1110	35	27
1139	1140	1139	1137	1136	1136	1134	1134	1134	1131	17 00	1140	11 00	1108	32	28
1126	1132	1134	1133	1132	1133	1133	1133	1132	1132	3 33	1136	11 00	1086	50	29
1138	1138	1136	1135	1135	1134	1134	1133	1132	1130	16 30	1139	11 00	1111	28	30
1148	1151	1151	1152	1152	1152	1151	1151	1150	1140	----------	1156	----------	1112	44	----
1145	1149	1150	1151	1151	1151	1151	1151	1151	1138	----------	1153	----------	1105	48	----

OCTOBER, 1911. 10000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1129	1130	1128	1128	1129	1130	1130	1131	1131	1123	6 00	1133	11 21	1096	37	1
1125	1127	1127	1126	1127	1127	1129	1128	1130	1122	6 00	1132	11 11	1096	36	2
1138	1140	1142	1139	1137	1136	1136	1135	1135	1125	18 00	1142	11 20	1101	41	3
1126	1127	1128	1129	1130	1130	1131	1131	1132	1123	0 01	1135	11 00	1096	39	4
1117	1122	1123	1122	1122	1123	1124	1123	1124	1120	1 36	1133	12 00	1098	35	5
1121	1120	1120	1121	1121	1119	1116	1113	1112	1112	0 01	1124	11 00	1081	43	6
1108	1110	1110	1111	1110	1109	1108	1106	1105	1100	1 00	1112	11 00	1071	41	7
1112	1115	1116	1118	1119	1118	1116	1114	1114	1103	20 34	1121	11 10	1072	49	8
1124	1125	1126	1127	1126	1126	1124	1125	1122	1112	20 21	1128	11 00	1084	44	9
1138	1139	1139	1139	1136	1133	1132	1133	1132	1121	20 44	1140	11 00	1085	55	10
1125	1131	1132	1136	1138	1137	1138	1137	1138	1123	20 35	1139	11 00	1092	47	11
1140	1144	1146	1148	1148	1145	1144	1143	1142	1132	19 48	1149	11 50	1104	45	12
1123	1125	1127	1128	1128	1127	1126	1126	1125	1124	1 30	1143	12 00	1093	50	13
1120	1124	1125	1125	1124	1124	1123	1122	1122	1114	18 20	1126	11 00	1086	40	14
1121	1121	1121	1120	1119	1119	1119	1118	1117	1115	0 34	1124	11 00	1097	27	15
1121	1121	1122	1122	1123	1122	1122	1121	1122	1115	19 26	1125	10 00	1093	32	16
1125	1126	1129	1133	1132	1132	1131	1130	1129	1120	18 48	1134	10 00	1096	38	17
1122	1119	1123	1122	1120	1125	1124	1124	1125	1122	0 13	1133	10 00	1100	33	18
1128	1127	1127	1128	1129	1127	1127	1127	1124	1118	19 52	1130	10 00	1090	40	19
1125	1125	1124	1124	1123	1122	1122	1121	1121	1117	16 06	1126	11 00	1098	28	20
1135	1136	1136	1136	1137	1136	1136	1135	1135	1121	20 00	1137	11 00	1094	43	21
1139	1139	1140	1140	1140	1138	1137	1135	1133	1130	18 42	1141	11 00	1100	41	22
1137	1137	1137	1137	1136	1136	1135	1135	1134	1126	16 12	1138	10 00	1096	42	23
1134	1136	1135	1135	1134	1135	1135	1134	1134	1128	17 00	1136	11 00	1104	32	24
1122	1123	1124	1125	1126	1125	1125	1124	1125	1120	0 37	1133	10 00	1094	39	25
1125	1129	1128	1129	1130	1128	1129	1128	1129	1120	20 00	1130	11 00	1094	36	26
1135	1136	1138	1139	1138	1137	1137	1138	1138	1128	18 23	1141	10 30	1099	42	27
1131	1135	1137	1137	1136	1136	1134	1132	1130	1127	18 16	1139	11 00	1098	41	28
1121	1123	1124	1125	1124	1123	1122	1122	1121	1119	1 00	1129	11 00	1098	31	29
1124	1125	1125	1124	1124	1125	1125	1126	1126	1118	6 00	1127	11 00	1092	35	30
1130	1132	1131	1129	1128	1127	1127	1129	1130	1121	17 00	1132	11 00	1094	38	31
1126	1128	1129	1129	1129	1128	1128	1127	1127	1120	----------	1133	----------	1093	40	----
1127	1129	1129	1129	1128	1129	1128	1128	1127	1122	----------	1133	----------	1097	36	----

HOURLY VALUES OF VERTICAL INTENSITY.

NOVEMBER, 1911. 10000 γ plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1[a]	1128	1127	1126	1125	1124	1123	1121	1114	1104	1095	1092	1094	1100	1109	1117
2	1115	1114	1114	1116	1117	1116	1112	1103	1091	1084	1081	1085	1094	1104	1114
3	1118	1120	1121	1120	1122	1122	1117	1108	1096	1088	1085	1087	1096	1103	1112
4	1120	1118	1122	1119	1119	1117	1117	1108	1098	1091	1089	1092	1101	1108	1112
5	1114	1113	1113	1114	1114	1112	1105	1096	1088	1083	1081	1088	1094	1097	1102
6	1106	1104	1102	1102	1099	1097	1093	1090	1087	1084	1083	1084	1086	1092	1096
7[a]	1113	1112	1111	1110	1109	1104	1102	1093	1087	1084	1088	1092	1097	1106	1113
8	1122	1121	1121	1120	1120	1118	1114	1107	1102	1099	1099	1101	1107	1112	1116
9	1122	1121	1120	1118	1117	1116	1113	1106	1094	1089	1088	1097	1106	1113	1119
10	1117	1116	1116	1116	1115	1116	1112	1102	1087	1076	1076	1083	1090	1096	1108
11	1106	1107	1107	1106	1105	1104	1100	1094	1088	1082	1078	1080	1087	1096	1103
12	1099	1100	1102	1102	1100	1099	1094	1086	1080	1073	1072	1076	1082	1090	1096
13	1101	1101	1099	1102	1099	1096	1094	1088	1082	1083	1084	1085	1087	1094	1096
14	1099	1098	1102	1102	1100	1099	1098	1097	1089	1079	1077	1079	1080	1086	1093
15	1118	1122	1121	1122	1123	1121	1117	1113	1106	1101	1102	1108	1117	1126	1123
16	1126	1127	1127	1129	1127	1126	1124	1117	1108	1102	1100	1106	1112	1122	1125
17	1120	1117	1118	1118	1117	1116	1113	1104	1094	1088	1087	1089	1096	1105	1110
18	1112	1110	1110	1108	1105	1104	1099	1094	1087	1085	1083	1085	1089	1092	1096
19	1101	1101	1099	1099	1098	1097	1093	1089	1088	1085	1087	1089	1092	1096	1103
20	1107	1107	1105	1104	1102	1101	1099	1094	1090	1089	1090	1093	1100	1103	1106
21	1111	1111	1111	1110	1108	1106	1104	1098	1099	1098	1098	1102	1109	1112	1115
22[a]	1120	1121	1118	1117	1115	1112	1109	1109	1108	1105	1108	1111	1116	1119	1119
23[a]	1126	1124	1122	1120	1118	1116	1114	1111	1105	1104	1104	1112	1114	1117	1120
24[a]	1127	1126	1126	1125	1124	1122	1119	1115	1114	1115	1116	1118	1120	1123	1127
25	1131	1131	1130	1129	1127	1126	1123	1119	1118	1116	1116	1119	1124	1127	1129
26	1134	1133	1131	1129	1129	1126	1123	1121	1120	1118	1118	1122	1127	1131	1135
27	1136	1135	1133	1131	1129	1126	1124	1123	1122	1118	1119	1122	1129	1134	1138
28	1138	1135	1132	1129	1127	1124	1122	1118	1117	1115	1113	1116	1121	1128	1131
29	1136	1133	1130	1127	1125	1123	1119	1116	1115	1113	1116	1118	1125	1131	1133
30	1139	1137	1134	1132	1128	1127	1124	1121	1121	1121	1123	1126	1131	1136	1141
Mean	1119	1118	1117	1117	1115	1114	1111	1105	1100	1095	1095	1099	1104	1110	1115
Mean[a]	1123	1122	1121	1119	1118	1115	1113	1108	1104	1101	1102	1105	1109	1115	1119

DECEMBER, 1911. 10000 γ plus tabular quantities.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1141	1141	1142	1142	1142	1142	1140	1134	1128	1119	1114	1116	1122	1128	1136
2[a]	1143	1144	1145	1145	1146	1145	1144	1141	1137	1132	1127	1125	1129	1135	1143
3	1146	1146	1145	1145	1144	1143	1142	1140	1134	1126	1121	1123	1128	1136	1144
4	1143	1144	1143	1142	1141	1139	1136	1132	1124	1116	1117	1119	1126	1135	1141
5	1142	1141	1140	1140	1139	1138	1137	1133	1125	1116	1114	1117	1125	1133	1138
6	1143	1143	1142	1141	1140	1138	1137	1135	1131	1126	1126	1128	1134	1139	1141
7	1138	1138	1137	1136	1136	1135	1134	1131	1129	1118	1114	1116	1122	1130	1137
8	1141	1142	1142	1140	1139	1137	1134	1128	1124	1116	1115	1118	1126	1133	1136
9[a]	1136	1136	1135	1134	1134	1134	1132	1130	1124	1115	1110	1114	1121	1129	1137
10	1135	1135	1135	1135	1134	1133	1131	1127	1118	1114	1113	1118	1125	1132	1138
11	1138	1138	1139	1139	1139	1138	1136	1128	1123	1117	1114	1118	1124	1130	1135
12	1142	1140	1139	1139	1138	1136	1133	1126	1116	1114	1114	1115	1119	1127	1136
13	1138	1137	1137	1135	1134	1133	1132	1127	1118	1110	1107	1112	1118	1124	1130
14	1136	1135	1135	1134	1134	1133	1131	1126	1118	1109	1101	1104	1108	1115	1121
15	1126	1125	1125	1125	1124	1123	1122	1118	1112	1105	1101	1101	1105	1114	1121
16	1130	1130	1129	1128	1127	1126	1125	1124	1115	1106	1103	1106	1114	1117	1123
17	1129	1129	1128	1128	1127	1127	1125	1124	1116	1110	1104	1112	1118	1125	1130
18	1124	1125	1125	1125	1124	1123	1121	1119	1112	1108	1105	1110	1114	1120	1125
19	1128	1129	1129	1128	1127	1125	1123	1121	1114	1109	1111	1113	1117	1122	1126
20	1129	1127	1127	1126	1126	1125	1123	1116	1108	1105	1105	1109	1115	1121	1127
21[a]	1129	1128	1128	1127	1127	1126	1124	1118	1107	1102	1101	1106	1114	1120	1126
22[a]	1124	1123	1123	1122	1120	1118	1116	1110	1100	1094	1097	1103	1107	1117	1124
23[a]	1121	1120	1119	1118	1117	1116	1114	1108	1101	1094	1090	1095	1102	1110	1117
24	1122	1122	1121	1120	1121	1121	1117	1112	1105	1103	1103	1107	1114	1119	1128
25	1125	1124	1124	1125	1125	1123	1120	1117	1114	1107	1107	1111	1117	1124	1129
26	1124	1123	1122	1119	1117	1116	1111	1108	1101	1097	1096	1099	1106	1114	1118
27	1116	1117	1117	1117	1116	1115	1114	1110	1103	1094	1092	1097	1106	1114	1118
28	1121	1122	1123	1122	1122	1120	1118	1112	1103	1096	1094	1097	1104	1111	1117
29	1124	1123	1122	1121	1121	1119	1115	1108	1102	1093	1086	1091	1101	1110	1117
30	1118	1117	1117	1116	1115	1115	1114	1108	1100	1095	1094	1097	1104	1113	1119
31	1123	1122	1121	1120	1119	1117	1116	1112	1107	1102	1098	1104	1108	1112	1117
Mean	1131	1131	1131	1130	1130	1128	1126	1112	1115	1109	1106	1110	1116	1123	1129
Mean[a]	1131	1130	1130	1129	1129	1128	1126	1121	1114	1107	1105	1109	1115	1122	1129

[a] Five international quiet days.

HOURLY VALUES OF VERTICAL INTENSITY.

NOVEMBER, 1911. 10000 γ plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1120	1120	1121	1122	1120	1118	1117	1117	1116	1115	0 01	1130	11 00	1092	38	1
1119	1118	1117	1117	1116	1115	1115	1116	1117	1109	16 00	1119	11 00	1081	38	2
1118	1122	1122	1121	1121	1121	1123	1121	1120	1113	22 09	1125	11 00	1085	40	3
1117	1119	1117	1117	1118	1117	1117	1116	1115	1112	2 49	1123	11 00	1089	34	4
1105	1107	1110	1111	1112	1112	1110	1109	1108	1104	0 01	1115	11 00	1081	34	5
1101	1106	1108	1112	1113	1114	1114	1113	1111	1100	21 30	1115	11 00	1083	32	6
1118	1122	1123	1124	1124	1124	1125	1125	1124	1110	22 48	1126	10 00	1084	42	7
1120	1123	1124	1124	1124	1124	1123	1123	1124	1116	21 47	1126	11 10	1098	28	8
1122	1123	1124	1123	1123	1122	1122	1119	1117	1114	18 00	1124	11 00	1088	36	9
1107	1108	1107	1105	1106	1107	1106	1107	1108	1103	0 47	1118	10 20	1075	43	10
1104	1105	1106	1105	1105	1103	1102	1100	1098	1099	1 28	1108	11 00	1078	30	11
1102	1104	1103	1102	1101	1103	1103	1102	1103	1095	17 00	1104	11 00	1072	32	12
1100	1098	1100	1098	1097	1096	1096	1095	1096	1094	4 00	1102	9 00	1082	20	13
1098	1104	1104	1107	1106	1104	1104	1106	1113	1097	24 00	1113	11 00	1077	36	14
1129	1130	1128	1127	1127	1127	1126	1125	1124	1120	17 00	1130	10 00	1101	29	15
1126	1127	1127	1130	1128	1127	1127	1127	1125	1122	19 20	1131	11 00	1100	31	16
1113	1114	1112	1115	1114	1114	1114	1113	1112	1109	1 00	1120	11 00	1087	33	17
1097	1099	1100	1101	1101	1101	1100	1100	1099	1098	1 00	1112	11 00	1083	29	18
1105	1105	1105	1106	1106	1106	1105	1105	1105	1099	21 05	1107	10 00	1085	22	19
1109	1109	1109	1110	1109	1109	1109	1109	1108	1103	19 00	1110	10 00	1089	21	20
1116	1115	1115	1116	1117	1117	1118	1118	1117	1110	22 23	1119	11 15	1097	22	21
1121	1124	1124	1124	1124	1125	1125	1126	1124	1118	23 00	1126	10 00	1105	21	22
1121	1121	1122	1122	1122	1123	1123	1124	1124	1118	1 00	1126	10 30	1104	22	23
1128	1129	1130	1129	1129	1128	1128	1129	1128	1124	18 00	1130	9 00	1114	16	24
1130	1131	1131	1131	1130	1130	1132	1132	1132	1127	23 15	1133	10 30	1115	18	25
1137	1137	1137	1136	1136	1137	1136	1136	1134	1130	16 18	1138	10 50	1117	21	26
1139	1139	1139	1139	1139	1140	1140	1139	1138	1132	22 05	1140	10 00	1118	22	27
1132	1136	1139	1140	1140	1140	1139	1138	1136	1129	19 05	1141	11 00	1113	28	28
1135	1139	1139	1139	1140	1140	1140	1139	1138	1130	22 15	1141	10 00	1113	28	29
1142	1142	1142	1143	1146	1146	1145	1144	1142	1135	21 05	1147	10 52	1121	26	30
1118	1119	1120	1120	1120	1120	1119	1119	1119	1113	----------	1123	----------	1094	29	--------
1122	1123	1124	1124	1124	1124	1124	1124	1123	1117	----------	1128	----------	1100	28	--------

DECEMBER, 1911. 10000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1140	1142	1143	1143	1144	1143	1142	1141	1142	1136	20 00	1144	11 00	1114	30	1
1147	1148	1147	1146	1145	1145	1146	1146	1146	1142	17 00	1148	12 00	1125	23	2
1147	1146	1146	1146	1145	1145	1145	1145	*1145	1141	16 00	1147	11 00	1121	26	3
1145	1144	1144	1144	1143	1143	1143	1144	1143	1137	16 00	1145	10 00	1116	29	4
1139	1137	1137	1138	1140	1140	1141	1142	1143	1135	24 00	1143	11 00	1114	29	5
1142	1143	1142	1142	1141	1141	1141	1140	1140	1138	16 36	1144	11 12	1125	19	6
1142	1143	1142	1142	1141	1141	1141	1141	1141	1134	17 00	1143	11 00	1114	29	7
1136	1136	1136	1136	1136	1137	1137	1137	1136	1133	2 30	1143	11 00	1115	28	8
1140	1138	1138	1138	1138	1137	1137	1137	1136	1132	16 00	1140	11 00	1110	30	9
1140	1141	1140	1139	1139	1140	1139	1140	1139	1132	17 00	1141	11 00	1113	28	10
1137	1138	1139	1138	1137	1138	1138	1138	1141	1133	16 24	1143	10 15	1112	31	11
1138	1140	1139	1139	1138	1139	1138	1138	1138	1133	1 00	1142	10 46	1113	29	12
1134	1138	1138	1138	1138	1137	1138	1137	1136	1130	20 08	1139	11 00	1107	32	13
1127	1128	1129	1129	1129	1130	1128	1127	1126	1125	1 00	1136	11 00	1101	35	14
1128	1131	1131	1131	1132	1132	1133	1132	1131	1122	22 00	1133	11 42	1101	32	15
1128	1129	1131	1132	1133	1132	1132	1131	1130	1124	20 00	1133	11 00	1103	30	16
1133	1132	1130	1132	1131	1130	1129	1127	1126	1125	16 00	1133	11 00	1104	29	17
1128	1128	1129	1130	1131	1132	1131	1131	1129	1123	21 00	1132	11 00	1105	27	18
1128	1129	1130	1131	1132	1132	1132	1131	1130	1125	20 31	1133	10 00	1109	24	19
1129	1130	1130	1130	1129	1129	1130	1130	1129	1123	16 48	1131	10 30	1105	26	20
1128	1129	1130	1129	1129	1127	1126	1124	1124	1122	18 00	1130	11 00	1101	29	21
1125	1126	1127	1127	1127	1128	1126	1124	1122	1118	21 00	1128	10 00	1094	34	22
1120	1123	1125	1125	1126	1125	1125	1124	1122	1115	20 00	1126	11 00	1090	36	23
1129	1128	1127	1127	1127	1127	1126	1126	1125	1120	16 00	1129	10 30	1102	27	24
1130	1129	1127	1128	1127	1128	1129	1127	1126	1123	16 00	1130	11 14	1106	24	25
1121	1121	1121	1121	1120	1119	1118	1117	1116	1114	1 00	1124	11 00	1096	28	26
1123	1124	1124	1124	1123	1123	1124	1123	1121	1115	21 54	1125	11 00	1092	33	27
1122	1123	1123	1124	1124	1124	1125	1124	1123	1116	22 00	1125	11 00	1094	31	28
1121	1121	1121	1121	1121	1121	1120	1118	1118	1114	1 00	1124	11 00	1086	38	29
1122	1124	1125	1125	1124	1125	1125	1124	1123	1115	22 11	1126	11 00	1094	32	30
1119	1121	1121	1121	1122	1121	1120	1118	1116	1116	1 00	1123	10 52	1097	26	31
1132	1133	1133	1133	1133	1133	1132	1132	1131	1126	----------	1135	----------	1106	29	--------
1132	1133	1133	1133	1133	1132	1132	1131	1130	1126	----------	1134	----------	1104	30	--------

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DEPARTMENT OF THE INTERIOR
WEATHER BUREAU
REV. JOSÉ ALGUÉ, S. J., DIRECTOR

ANNUAL REPORT OF THE WEATHER BUREAU

FOR THE YEAR 1912

PART I

WORK OF THE BUREAU DURING THE FISCAL YEAR ENDED JUNE 30, 1912

PART II

HOURLY METEOROLOGICAL OBSERVATIONS MADE AT THE CENTRAL OBSERVATORY OF MANILA DURING THE CALENDAR YEAR 1912

MANILA
BUREAU OF PRINTING
1914

127884

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PART II.

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PART I.

WORK OF THE BUREAU DURING THE FISCAL YEAR ENDED JUNE 30, 1912.

WORK OF THE WEATHER BUREAU DURING THE FISCAL YEAR ENDED JUNE 30, 1912.

I. MANILA CENTRAL OBSERVATORY.

1. WORK OF THE CENTRAL OBSERVATORY.

(*a*) **Meteorological department.**—No radical changes have taken place. Though during the heated term advantage was taken of the privilege of reducing the number of office hours to five, it has been found expedient to keep even during that period one observer "on guard" from 6 a. m. to 7 p. m., at least on all working days, while during the preceding year the office closed at 6 p. m. during the hot season, as it does now on Sundays and legal holidays. The latter days excepted, one of the two telegraph operators is likewise on duty from 6 a. m. to 7 p. m., in order to receive the cable dispatches transmitted by a special line from the office of the Eastern Extension Company and to attend to the telephone. During the greater part of the year one of the unmarried employees has been given quarters at the Observatory on condition that he answers telephonic night calls. During the typhoon season this is of great importance; though usually a member of the staff will have to rise and reply, he can at least sleep tranquilly until called. The overtime given by the employees amounted to 1,475.5 hours, equivalent to 210.8 working days of 7 hours each.

On July 20, 1911, the engineer in charge of the irrigation works at San Miguel, Tarlac, was placed on the list of persons who are to receive typhoon warnings. The request of Insular Bureaus and Offices for meteorological data are constantly increasing in number. Unfortunately some of them were for information which is readily accessible in the publications of the Weather Bureau. In these cases the requisitioner has been referred to the latter, which are on file in practically every Bureau. Often requests are for data in a form in which they are not available, and much time had to be sacrificed in collecting them; but after all, this is one of the functions of the Weather Bureau.

The information exchanged with the other meteorological centers of the Far East—to wit, Tokyo, Zikawei, Taihoku, Hongkong, and Phulien—has been of the same nature and extent as in the preceding years, except that since July 1, 1911, immediate notice of the more important seismic disturbances is mailed to the neighboring seismological observatories in China, Japan, and likewise to Australia. Ever since Professor Doberck was succeeded by Mr. Figg in the directorship of Hongkong Observatory, the relations with the latter have been very satisfactory; but they have become excellent since Mr. Thomas F. Claxton has taken charge of meteorological affairs in the neighboring British colony. About the middle of November, 1911, the Weather Bureau was honored by a visit from Mr. Claxton, which was productive of great good. Up to that time, Japan, Formosa, and the Philippine Weather Bureau sent to their foreign correspondents the 6 a. m. and 2 p. m. observations: Indo-China, Hongkong, and Zikawei had different hours, those of Hongkong, for instance, being 10 a. m. and 4 p. m. A synoptic weather chart based on such material could at best be an approximation. The new director of Hongkong Observatory had no difficulty in adopting 6 a. m.

and 2 p. m. as the hours for cabling observations, and Indo-China and Shanghai fell into line with a commendable spirit of coöperation. It is true that, owing to the differences in longitude, the observations are even now not truly simultaneous, but the differences have been reduced to such limits as allow of constructing really serviceable weather maps.

The number of barometers compared was 203, a decrease of 28 compared with the preceding year. Most of these instruments were presented by dealers in order to obtain the certificate of the Observatory, which is given gratis.

Although, with the exception of July and September, 1911, the Philippines have been singularly free from typhoons, the frequency of these atmospheric disturbances within the field covered by the Manila forecasts has necessitated an unusually large number of typhoon warnings cabled to the foreign observatories, the total being 122, as against 94 during the preceding year, and 106 during the last but one. The greatest number (33) was reached in July, 1911; none at all were necessary during February and March, 1912.

(*b*) **Astronomical department.**—For the purpose of the time-signal service 520 transits of stars have been observed; while repeated observations of circumpolar stars served to check the constants of the instrument. Requests from several military posts necessitated the computation of the hours of the rising and setting of the sun and moon for every day of the year. The number of chronometers rated amounted to 29, as against 41 during the fiscal year 1911.

In addition to vessels of the United States Navy, also some Japanese men-of-war requested correct time to be sent by cable to Guam.

Since October, 1911, observations of solar radiation have been made by means of the Angstrom pyrheliometer on every day on which the sun was visible. But, though two to four observations were made on such occasions, the total is only 504. The work of reducing these observations is in progress, and the results will be published in due time.

(*c*) **Seismic department.**—No changes have been made in the instrumental equipment of the department, which may be said to be very complete.

It was stated last year that there had been an increase of 55.4 per cent in the frequency of perceptible earthquakes over the fiscal year 1910, during which latter the number of these disturbances had been exactly the average per year (121). During the fiscal year 1912 there has been a further increase, the number of earthquakes which have been reported as having been felt in various parts of the Archipelago having reached the high figure of 230, exceeding last year's total by 42. Compared with the yearly average, the excess is 90 per cent. Luckily, the intensity did not increase with the frequency; in only five cases was it greater than V of the Rossi-Forel scale. Two of these more severe quakes shook principally southeastern Luzon, while the remaining three had their epicenters in the valley of the Agusan River, eastern Mindanao, which latter region had likewise the lion's share of the year's total number of earthquakes, just as during he preceding year. The severest of these earthquakes, which has been registered all over the world with the characteristics of a "great earthquake," was the one of July 12, 1911. It caused great upheavals in the lake region of the Agusan Valley and on the eastern coast of northern Mindanao. Quite recently, on May 10, 1912, the northern part of the Agusan Valley has again been shaken by a very violent earthquake which, however, did not cause such changes as the preceding.

The Manila seismographs registered a total of 318 seismic disturbances, an increase of 21 over last year. Of these, 207 had their origin within an area with a radius of 1,000 kilometers from Manila, and hence, within the Archipelago or the adjacent seas

(these include many of the earthquakes already mentioned as perceptible); 97 proceeded from centers more than 1,000 but less than 5,000 kilometers from Manila, which zone comprises the highly seismic regions of Japan, Formosa, the Celebes Sea, New Guinea, and the Dutch possessions in the south; within the zone 5,000 to 10,000 kilometers originated 10, corresponding mostly to earthquakes felt in Turkestan, in central Siberia, and in the neighborhood of the Kurile Islands; of earthquakes with epicenters at distances greater than 10,000 kilometers only 4 have been recorded by our instruments: one of these is known to have occurred in Alaska, another in Mexico, the third in Iceland, and the fourth in the southern part of the Atlantic Ocean.

The Baguio seismographs continued in good agreement with those of the Central Observatory, the only difference being in cases of disturbances of almost purely local character.

Aside from the list of earthquakes and microseismic movements, which regularly appear in the seismological section of the Monthly Bulletin, and "The Eruption of Taal Volcano" which will be mentioned in the chapter on publications, the following special papers have been published in the Bulletin by the Rev. Miguel Saderra Masó, Assistant Director of the Weather Bureau: "The Earthquake of the Agusan Valley and the Eastern Coast of Mindanao" (Bulletin for July, 1911); "Volcanic Eruptions in the Philippines in Relation to Earthquakes and Subterranean Noises, to Rainfall, and Atmospheric Pressure" (Ib.); "Seismotectonic Lines in Southern Luzon" (Bulletin for November, 1911). The Bulletin for December, 1911, contains likewise the continuation of the abbreviated earthquake catalogue, commenced for the year 1908.

Beginning with the Bulletin for January, 1912, Greenwich mean time has been used throughout the seismological bulletin in order to conform with the practice of foreign observatories and with the requirements of repeated circulars of the International Seismological Commission. Insular time is, however, added in brackets, for the convenience of the Philippine readers.

The advance seismological report, has been very well received by our correspondents, since it contributes to an earlier determination of the epicenters of submarine earthquakes. Some 70 copies prepared by the Roneo process are being sent out, in return for which we receive similar reports from 8 observatories in the Far East and Australia, 10 in the United States and Canada, and 24 in Europe. Since January, 1912, this report has been brought into strict conformity with international usage, by adopting the nomenclature established by the International Seismological Commission at the Congress in Manchester, 1911.

In addition to the advance report just mentioned, immediate information on more important seismic disturbances is exchanged by postal cards with the neighboring observatories of Zikawei, Tsingtau, Chemulpo, Osaka, and Perth. In a few exceptional cases photographic copies of seismograms have been furnished upon request.

(*d*) **Magnetic department.**—The routine work, consisting in continuous photographic recording of the variations in the three magnetic elements and in frequent absolute observations for the purpose of establishing the reference lines of the photographic curves, has been carried on without a hitch. Special observations were made during the annular eclipse of the sun on October 22, 1911 (visible in Manila as partial), and the annular eclipse on April 16–17, 1912 (invisible here), in both instances according to the program of the International Commission.

The work of deducing the hourly values of the magnetic elements from the photographic records and of tabulating them is in preparation. The task itself could not yet be commenced, since we are not yet in possession of the final results of the standardization tests made by the staff of the magnetic survey yacht *Carnegie*. There have, however, been published in "Terrestrial Magnetism and Atmospheric Electricity" the

absolute measurements made during the calendar year 1910, and trimonthly lists giving the magnetic state for every day of the quarter, have been forwarded the International Commission for publication in its bulletin, as is done by other magnetic observatories.

The visit of the "Carnegie."—In order to make arrangements, Dr. L. A. Bauer, director of the department of terrestrial magnetism of the Carnegie Institution of Washington, arrived in Manila about the beginning of December, 1911. Though his stay was necessarily limited to twenty-four hours, he found time to visit our magnetic observatory at Antipolo, which he considered to be an excellent site for the headquarters of the expedition and designated it as such. In the beginning of February, 1912, the *Carnegie* finally arrived in Manila Bay. The ship's magnetic instruments as well as the terrestrial standards were immediately transferred to Antipolo and preparations made for an extended series of observations which were to serve for the testing of the *Carnegie's* own instruments for use at sea, of the absolute instruments of the observatory, and of those of the Bureau of Coast and Geodetic Survey. These observations lasted from February 7 to 29, and were made under the direction of Dr. H. M. W. Edmonds by Messrs. H. F. Johnston and H. D. Frary, on the part of the Carnegie expedition, and Mr. C. Dulueña, representing the Weather Bureau. Dr. W. J. Peters the commanding officer of the expedition, likewise made a series of comparisons with his marine apparatus. All the observations have been sent to the Carnegie Institution of Washington for computation. Though, as stated, the final results have not yet been received, the visiting scientists found the instruments of the magnetic observatory in excellent condition, which is somewhat remarkable in view of the fact that the magnets have never been changed since they have been purchased, twenty-four years ago, during five of which the entire equipment had been stored away, the Manila Magnetic Observatory having been ruined in 1905 by the advent of electric street cars. Nevertheless, additional magnets have been ordered as a precaution against accidents, and the purchase of several new instruments of the latest types is contemplated, since it is desired to bring the observatory fully into accord with the somewhat exacting desires of the International Commission.

2. IMPROVEMENTS.

(*a*) The general office had for many years been altogether too crowded to be comfortable. Hence, it was decided to transfer part of the office force to the large hall forming the upper story of the former magnetic building. As the latter has windows on all sides and is to a great extent sheltered by trees, this additional office space is much cooler than the general office in the main building. It was occupied about the middle of November, 1911. The ground floor of the same building offers a convenient place for eating to those employees who have their noonday meal brought to the Observatory. The improvement involved no expense to the Government, except 6 tables, the installation of electric fans, and an additional water cooler, with their running expenses.

(*b*) The Observatory has purchased a combined barograph and thermograph of aluminium for meteorological observation by means of kites. One kite has been bought in France, another constructed by our mechanics.

(*c*) An important improvement at the Antipolo Magnetic Observatory consisted in the boring of an artesian well, the erection of a windmill with pump and storage tank, and the laying of the necessary piping for conducting the water to the observatory. The well is on the boundary line between our property and a tract owned by the Bank of the Philippines, which latter bore part of the expenses of sinking the well, as it furnishes water for both properties. The Government incurred no expense on account of the improvement. Running water is, of course, a great convenience, if not necessity, in the photographic dark room connected with the recording apparatus.

II. SECONDARY STATIONS.

1. CHANGES IN STATIONS.

No changes either in number, or location, or class of stations have taken place during this fiscal year.

2. STATIONS OF THE WEATHER BUREAU.

Hence, on June 30, 1912, the Weather Bureau maintained the following stations:

One branch observatory at Baguio, 1 magnetic observatory at Antipolo, 7 first-class stations, 10 second-class, 25 third-class, and 9 rain stations. Two of the third-class stations were temporarily without observers, both in Mindanao (Cagayan de Misamis and Jolo).

Volunteer stations.—Of the volunteer stations, in general, the same could be repeated what was said last year. For this reason several applications for the loan of instruments have been denied. A set of thermometers and a rain gauge have, however, been furnished to the city engineer of Manila for the use at Boso-Boso (watershed of the Manila water supply).

A similar set has been sent to Reverend Father Salvator, O. M. Cap., missionary on Palau, Western Carolines, who has his own barometer and barograph, and for a long time had been sending such observations as he could make. Mr. Bona, a merchant at Cervantes, bought his own instruments and began to send observations in May, 1912.

3. SUBSTITUTES FOR ABSENT OBSERVERS.

As several of our first and second-class observers had already lost some of their accrued leave of absence by reason of the five-year limit, a greater number than usually applied for leave. Whenever this extended over a long period, a substitute was sent, while short absences of first-class observers with reliable assistants were bridged over by placing the assistant in charge of the station with the salary of a third-class observer. The system of sending substitutes has proved very satisfactory, since it not only prevents interruptions in the observations, but likewise serves the purpose of inspection.

III. CHANGES IN THE PERSONNEL.

The number of separations from the service was identical with that during the preceding year, 17. As there were only 16 appointments, and one of these of a substitute for an absent observer, the personnel of the Weather Bureau has, temporarily, decreased by two, consisting on June 30, 1912, of 1 Director, 3 Assistant Directors, 1 secretary, and 89 employees.

1. **Separations.**—The employees who left the meteorological service were: One assistant calculator and 1 mechanic, both temporary employees at ₱30 per month each; 6 third-class observers; 2 messengers; 5 assistants at first-class stations; and 2 rain observers—none above the grade of semiskilled laborer. As to the method of separation: There were 10 resignations, of which, however, 1 was tendered upon request; 5 employees were separated by discharge; and 2 by dismissal. Five of the men who left had been appointed during the fiscal year.

2. **Appointments.**—The vacancies created by separation have been filled partly by promotions and reinstatement, the rest by the following appointments: One assistant calculator at ₱30 per month and 1 mechanic at ₱30 per month, both temporary employees; 4 third-class observers; 2 messengers; 6 assistants to first-class observers; and 2 rain observers.

3. **Reinstatements.**—Two third-class observers requested and obtained reinstatement.

4. **Promotions.**—There were in all 10 promotions, 2 of which were of temporary character for periods less than two months. One assistant calculator was promoted from ₱600 per annum to ₱720; 2 temporary assistant calculators from ₱25 per month to ₱35; 1 temporary assistant calculator at ₱25 per month to second-class observer (₱600 per year); 2 telegraph operators from ₱60 per month to ₱70; 1 third-class observer from ₱360 per annum to ₱480 (Yap); finally, 2 assistants at first-class stations and 1 rain observer to the position of third-class observers.

5. **Reductions.**—One second-class observer at ₱720 per annum requested transfer to the Central Observatory, being willing to accept temporary appointment. While his salary remains the same, the change really amounts to a reduction, as he has no claim to leave of absence while holding a temporary position. One third-class observer, having returned from the station on Yap, Western Carolines, has been reduced from the exceptional salary of ₱480 attached to that station, to ₱360 per year, the ordinary pay of his class.

IV. PUBLICATION.

Special publication.—In connection with the Taal disaster, the Rev. Miguel Saderra Masó, S. J., Assistant Director of the Weather Bureau, published a special report: "The Eruption of Taal Volcano, January 30, 1911." (English and Spanish, 45 pages and 7 plates.)

V. MISCELLANEA.

1. WIDER APPLICATION OF THE BAROCYCLONOMETER.

In March, 1912, the Director of the Weather Bureau received a communication from the Bureau of Navigation, Navy Department, Washington, inquiring what modifications might be necessary in order to adopt his barocyclonometer for use in the Atlantic Ocean. At the same time prices and name of constructor were desired. As the problem of modifications was not so very simple, Father Algué, while on leave of absence, devoted much time to consulting the records of Belen Observatory, Havana, whence, he proceeded to Washington to talk the matter over with the officials of the Navy Department. He endeavored likewise to make arrangements with an English firm of known reliability to have the instrument made at a lower price than that charged by the present constructor.

2. THE SEISMOLOGICAL STATION AT AMBULONG.

On February 1, 1912, the Philippine Legislature passed Act No. 2115, entitled: "An Act for the protection and assistance of persons living in the vicinity of Taal Volcano," directing that a seismological station be established by the Weather Bureau near the Taal Volcano and appropriating the sum of ₱18,000 for the purpose. The site chosen is in the barrio of Ambulong, municipality of Tanauan, Batangas, on the shore of Lake Bombon, some 10.3 kilometers from the center of the crater.

PART II.

HOURLY METEOROLOGICAL OBSERVATIONS MADE AT THE CENTRAL OBSERVATORY DURING THE CALENDAR YEAR 1912.

INTRODUCTION.

Part II of our report for 1912 contains the meteorological observations made during the year at the Central Observatory at Manila. The hours of observations are given in Insular standard time—that is, in the time of the one hundred and twentieth meridian east of Greenwich, adopted by order of the United States Government on September 6, 1899. It is to be noted that the observations of atmospheric pressure, temperature, relative humidity, vapor tension, and the direction and force of the wind are hourly, read directly between the hours 6 a. m. and 7 p. m., while for the hours from 8 p. m. to 5 a. m. they are taken from self-registering apparatus. The hourly observations of the direction, form, and amount of clouds are made from 7 a. m. until 6 p. m. only. Each of the tables of hourly observations shows also the respective hourly, daily, and monthly means. The extreme daily values of the various elements, together with the time of their occurrence, are united into a separate table. The thermometers and atmidometer are placed in the observatory park, 1.5 meters above the ground.

The readings of the barometer have not been corrected for gravity; this correction would be —1.72 mm.

All observations contained in this report are expressed in the metric system, continuing the practice adopted at the time of the reorganization of the Weather Bureau. As in former reports, we have arranged the observations according to month.

EXPLANATION OF SYMBOLS (BEAUFORT'S LETTERS AND INTERNATIONAL WEATHER SYMBOLS).

Symbol.	Equal to—	Symbol.	Equal to—
Ci.	Cirrus.	o	Overcast.
Ci.-S.	Cirro-stratus.	p	Passing showers of rain.
Ci.-Cu.	Cirro-cumulus.	q	Squally.
A.-Cu.	Alto-cumulus.	u	Ugly or threatening weather.
A.-S.	Alto-stratus.	v	Visibility of distant objects.
S.-Cu.	Stratus-cumulus.	w	Wet or heavy dew.
N.	Nimbus.	●	Rain.
Cu.	Cumulus.	≡	Fog or mist.
Cu.-N.	Cumulo-nimbus.	d	Dew.
S.	Stratus.	⊕	Solar corona.
Fr.-Cu.	Fracto-cumulus.	○	Solar halo.
Fr.-N.	Fracto-nimbus.	⊖	Lunar corona.
Fr.-S.	Fracto-stratus.	∈	Lunar halo.
S.-cf.	Stratus-cumuliformis.	↘	Lightning.
N.-cf.	Nimbus-cumuliformis.	↘	Thunderstorm.
M.-Cu.	Mammato-cumulus.	⊣	Thunder.
b	Clear, blue sky.	↙	Strong wind.
c	Partial clouds.	⌒	Rainbow.
d	Drizzling or light rain.	∞	Dust haze.
g	Gloomy, or dark, stormy-looking weather.		

NOTE.—The intensity of any individual phenomenon may be distinguished by the figures of ° and ², which should be used as exponents of the symbols, so that ° indicates slight, and ² strong; e. g., ●°=slight rain, ●²=heavy rain. Figures in heavier type represent extreme values.

OBSERVATIONS FOR JANUARY, 1912.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	60.45	60.15	60.10	60.10	60.40	60.76	61.15	61.81	**62**	61.63	61.05	60.33
2	60.90	60.45	60.25	60.40	60.65	61.03	61.78	**62.36**	62.29	62.20	61.70	61.03
3	61.45	61.30	61.30	61.30	61.45	61.76	62.21	62.54	**62.91**	62.73	62.32	61.75
4	62.30	61.85	61.55	61.70	61.80	62	62.44	62.96	**63.10**	62.90	62.67	61.87
5	61.20	60.95	60.70	60.75	61.05	61.16	61.70	62.43	**62.77**	62.42	61.74	61.11
6	60.75	60.65	60.80	60.90	60.85	61.20	61.70	62.18	**62.21**	62.14	61.44	60.79
7	60.90	60.70	60.75	60.50	60.85	61.25	61.73	62.06	**62.25**	61.99	61.64	61.23
8	61.05	61	61	61.10	61.25	61.59	61.85	62.03	**62.54**	62.04	61.76	60.94
9	60.60	60.50	60.45	60.50	60.80	61.09	61.34	62.04	**62.10**	61.93	61.64	60.98
10	60.75	60.55	60.55	60.80	61.05	61.73	62.25	**62.61**	62.57	62.25	61.93	61.59
11	62.10	61.90	61.70	62	62.15	62.61	63.15	63.85	**64**	63.59	63.09	62.09
12	62	61.70	61.60	61.80	62.10	62.54	63.24	63.89	**64.10**	63.82	63.33	62.85
13	62.95	62.55	62.25	62.15	62.15	62.42	62.96	63.79	**64.15**	63.79	63.19	62.45
14	63.20	62.95	62.85	62.90	63.10	63.21	63.55	64.35	**64.48**	64.03	63.59	62.90
15	62.50	62.10	62	62.10	62.40	62.73	63.03	63.65	**64.05**	63.94	63.50	63
16	63.70	63.45	63.45	63.45	63.50	63.65	63.80	64.33	**64.50**	64.45	64.06	63.53
17	63.45	63.10	62.80	62.90	63.10	63.30	63.70	64.33	**64.74**	64.61	64.20	63.72
18	63.20	62.80	62.65	62.75	63.05	63.40	64.06	64.64	**64.78**	64.45	64.04	63.27
19	63.55	63.30	63.10	63.25	63.65	63.91	64.25	64.70	**65.11**	64.92	64.40	63.74
20	63.60	63.25	63	63.10	63.35	63.60	63.93	64.66	**65.13**	65.10	64.59	63.93
21	63.05	62.95	62.70	62.65	62.90	63.15	63.62	64.32	**64.53**	64.40	63.99	63.47
22	63.05	62.55	62.30	62.30	62.55	62.85	63.20	63.89	64.14	**64.19**	63.73	63.10
23	62.15	62	61.95	62.05	62.35	62.69	63	63.66	**64.01**	63.89	63.54	62.99
24	63	62.70	62.55	62.70	62.95	63.30	63.71	64.24	**64.57**	64.40	64.09	63.56
25	63.10	62.80	62.50	62.50	62.60	62.88	63.20	63.90	**64.26**	64.06	63.55	62.97
26	62.80	62.60	62.40	62.60	62.85	63.11	63.55	64.25	**64.74**	64.61	64.09	63.73
27	64.45	64.30	64.10	64.15	64.45	64.86	65.35	65.96	**66.23**	66.20	65.72	65.03
28	64.55	64.20	63.80	63.85	64.05	64.51	65.06	65.64	**65.69**	65.46	64.94	64.10
29	64.15	63.75	63.50	63.55	63.80	64.11	64.60	64.86	**65.13**	65.01	64.25	63.45
30	63.35	62.95	62.40	62.60	62.80	62.98	63.60	64.14	**64.39**	64.22	63.99	63.32
31	63.25	62.70	62.55	62.40	62.55	63.04	63.35	63.88	**64.13**	63.97	63.58	62.88
Mean	62.50	62.22	62.05	62.12	62.34	62.66	63.10	63.68	**63.92**	63.72	63.27	62.64

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	19.8	19.3	19	18.7	18.4	**17.9**	18.5	23.1	27.1	27.4	26.9	27.9
2	21.8	22.6	22.1	20.9	**20.7**	20.8	21.3	25.5	26.3	26.1	27.5	29.1
3	20.6	19.9	19.4	18.9	18.9	**18.8**	19.8	23.5	26.9	28.3	28.4	30.8
4	22.8	22.1	**21.4**	21.6	**21.4**	21.6	22.3	23.7	26.7	26.5	25	26.5
5	22.9	22.8	22.4	22	21.9	**21.8**	**21.8**	24.2	27.2	28.9	29.9	30.5
6	22.1	21.4	21	20.5	20.3	**19.9**	20	23.8	27.2	26.9	28.3	29.8
7	20.5	20.2	20.9	20.7	20.5	20.9	21.8	24.2	26.2	26.6	26.6	26.1
8	20.2	21	20.9	20.9	20.2	**20**	21.2	22.8	23.1	26.1	25.2	28.2
9	20.4	20.4	19.7	19.5	19.3	**18.7**	19.3	22.5	25.3	26	26.4	27.1
10	22.8	23	23.5	24	23.3	22.9	**22.7**	24.1	24.3	26.9	26.7	26.8
11	23.1	23.1	23.1	23.1	23	23	**22.7**	24.3	26.2	27.4	26.4	27.9
12	23.2	22.9	22.5	**22.3**	22.4	22.6	23	24.6	25.5	26.9	25.5	25.3
13	22.9	22.8	**22.7**	22.8	**22.7**	**22.7**	23.3	23.7	24.5	26.4	**28.5**	26.2
14	22.8	22.7	22.6	22	22.9	22	**21.7**	25.1	26.2	28.9	27.7	27.2
15	21.3	20.6	20.2	**20.1**	20.2	20.8	20.8	24.5	27.2	27.2	28	28.6
16	21.2	21.2	20.2	19.3	19.5	19.4	**19.2**	23.5	26.4	26.4	27.2	27
17	21.3	21	20.2	19.4	19.2	**18.7**	19	23.5	26.2	26.4	27.5	28.3
18	21.9	21.5	21.2	19.8	19.2	**18.5**	18.8	22.6	25.4	27.3	28.2	28.3
19	22.1	21	20.4	20.3	20.3	20.1	**19.9**	23.6	26.6	27.2	27.4	28.8
20	20.4	19.8	19.4	**19.2**	**19.2**	19.3	20	22.5	25.4	25.9	27.7	27.3
21	21.4	20.2	19.4	19.1	**18.9**	19.2	19.5	23.1	25.9	27.2	27.1	27.8
22	22	20.2	19.4	18.9	18.5	18.3	**18.2**	22.3	25.6	26.8	27	25.6
23	18.8	18.2	17.6	17.2	17.1	**16.5**	16.7	20.1	25.1	25.6	26.5	27.3
24	18.7	18	17.4	17.5	17.3	**17.1**	17.2	21.4	24.4	25.4	25.7	27.2
25	20	19.5	18.4	18.2	18	**17.8**	18.4	20.7	24	26.1	26.1	27.6
26	21.5	19.5	18.7	17.8	18.1	**17.4**	17.6	21.9	25.7	26.3	27.6	27.7
27	19.7	19.5	19.9	**19.1**	**19.1**	**19.1**	19.7	21.7	24.4	26	27.7	**28.5**
28	20.5	21.1	20.2	20.4	20.6	20.4	20.5	22.9	25	27.2	28.5	29.4
29	19.2	18.5	18.1	17.8	17.6	**17.4**	17.5	22.5	26.1	26.6	26.5	27.5
30	21.5	21.6	21.3	**21.2**	**21.2**	21.3	21.7	23.6	25.6	28.2	27	28.6
31	22.3	22.1	21.7	21.8	21.6	**21.5**	22.5	23.9	25.6	28	27.5	29
Mean	21.3	20.9	20.5	20.2	20	**19.9**	20.2	23.2	25.7	26.9	27.2	27.9

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
59.60	58.80	**58.48**	58.85	59.47	59.77	60.40	60.80	60.95	60.95	61	61	**60.42**
60.08	59.44	**59.12**	59.39	60.02	60.53	60.82	61.30	61.80	61.95	61.90	61.60	60.96
60.81	**60.01**	60.16	60.44	60.75	61.08	61.43	61.70	62.05	62.25	62.40	62.35	61.60
60.88	**60.46**	60.60	60.59	60.90	61.23	61.50	61.35	61.45	61.60	61.50	61.30	61.69
60.72	60.17	**59.89**	60.15	60.42	60.55	60.90	61	60.95	61	61.05	60.95	61.07
59.89	59.70	**59.60**	59.88	60.49	60.84	61.15	61.15	61	61.10	61.05	61	60.94
60.68	60.25	**59.99**	60.02	60.34	60.62	60.80	61.15	61.05	61.25	61	61	61
59.91	**59.41**	59.49	59.58	59.95	60.34	60.82	61	61.25	61.10	60.95	60.60	60.94
59.95	59.27	**59.12**	59.27	59.65	60.02	60.65	61.05	61.10	61.05	61	60.85	60.71
60.93	**60.39**	60.62	60.75	61.09	61.49	61.74	62.05	62.15	62.05	61.95	62.05	61.50
61.24	60.62	**60.41**	60.74	61.25	61.67	61.99	62.50	62.70	62.70	62.50	62.20	62.20
61.82	60.99	**60.87**	61.32	61.65	62.25	62.98	63.40	63.60	63.45	63.35	63.15	62.58
61.70	60.84	**60.47**	60.65	61.22	61.64	62.25	62.75	63.35	63.50	63.40	63.40	62.50
62.09	61.55	60.99	**60.95**	61.21	61.47	61.70	62.40	62.80	62.65	62.70	62.80	62.68
62.14	61.34	**61.09**	61.29	61.60	61.97	62.38	63	63.60	63.80	63.80	63.90	62.70
62.67	61.95	61.53	**61.38**	61.59	61.94	62.38	63.10	63.60	63.70	63.65	63.60	63.21
62.99	62.11	**61.78**	61.92	62.26	62.64	62.98	63.55	63.95	64.05	63.65	63.50	63.31
62.45	61.54	61.09	**61.01**	61.50	62.09	62.53	63.05	63.30	63.45	63.45	63.50	63
63.07	62.47	**62.31**	62.56	62.81	63.07	63.23	63.60	63.95	63.90	63.90	63.80	63.61
62.94	62.22	61.79	**61.66**	62.07	62.55	62.87	63.30	63.40	63.50	63.45	63.30	63.35
62.65	62	**61.59**	61.70	62.17	62.39	62.75	63.25	63.55	63.75	63.70	63.35	63.11
62.37	61.60	61.42	**61.30**	61.64	61.92	62.13	62.40	62.50	62.45	62.40	62.25	62.59
62.25	61.50	61.09	**60.92**	61.18	61.38	61.75	62.15	62.70	62.80	63	63	62.42
62.52	61.72	61.17	**61.08**	61.24	61.52	62.02	62.50	62.95	63.10	63.15	63.15	62.83
62.17	61.62	**61.25**	61.32	61.57	61.94	62.34	62.80	63	63.15	63	63	62.73
62.88	62.02	61.73	**61.69**	62.25	62.78	63.43	63.90	64.35	64.40	64.40	64.45	63.32
64.23	63.65	**63.19**	63.50	63.77	63.95	64.20	64.65	64.75	64.90	64.90	64.80	**64.64**
63.10	62.40	**61.74**	61.90	62.26	62.79	63.35	63.85	64	64.15	64.30	64.30	63.92
62.53	61.69	61.27	**61.12**	61.35	61.76	62.44	63	63.45	63.55	63.50	63.55	63.31
62.62	62.17	**61.39**	61.61	62.05	62.48	63.14	63.50	63.65	63.65	63.65	63.50	63.09
62.22	61.43	**61.01**	61.03	61.12	61.47	61.72	62.10	62.45	62.75	62.80	62.80	62.55
61.81	61.14	**60.85**	60.95	61.32	61.68	62.09	62.49	62.75	62.83	62.79	62.71	62.40

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
28.8	30.2	**30.8**	30.5	28.6	26.6	25.3	25.1	25.5	24.2	22.6	22.1	24.3
29.3	**29.9**	29.8	29.7	28.2	26.1	24.3	23.8	23.1	22.7	22.1	21.1	24.8
31.3	30.9	30.2	28.7	27.2	25.5	24.8	24.4	24.2	23.7	23	22.9	24.6
27	26.5	25	26.2	25.6	24.5	23.9	23.8	23.6	23.4	**23.4**	23.2	24.1
29	28.9	**30.6**	29.4	27.7	25.8	24.1	23.2	22.7	22.4	22.2	22.5	25.2
28.9	29.4	**30.1**	28.8	27.6	25.5	24.2	23.3	22.7	22.2	21.8	21	24.4
27.1	26.2	28	**28.5**	27.2	25.3	24	23.1	22.4	21.3	20.6	**20**	23.7
27.5	**28.4**	27	26.4	26.4	24.8	24	22.9	22.4	22	21.4	20.8	23.5
27.9	**29.9**	29.8	29.1	28.3	26.3	25	24.8	24.8	24.3	23.4	22.9	24.2
28.2	26.9	25.7	24.5	25.4	25.6	24.6	24.5	24	23.8	23.7	23.2	24.6
27.2	28.8	**29.7**	29.5	27.8	26.8	25.5	25	24.7	24.4	24.4	23.8	**25.5**
27.3	26.7	**27.3**	27.1	26.7	25.6	24.8	24.5	24.4	23.9	23.9	23.6	24.7
26.9	28.3	27.8	27.7	26.6	25.3	24.7	24.5	24.2	23.9	23.3	23.1	24.8
28	28	29.3	**29.8**	26.8	25.4	24.4	23.8	23.1	22.5	22.6	**21.7**	24.9
28.5	29.1	28.8	**29.5**	27	25.8	24.8	24	23.1	22.4	22.2	21.3	24.4
28.9	29	**29.8**	29.1	27.6	26.1	25.5	25.3	24.4	23.5	22.3	21.8	24.3
29.2	29.7	**30.1**	29.9	28.8	26.3	25	24.2	23.5	22.9	22.7	22.6	24.4
28.9	**30**	29.3	**30**	28	26.3	25.3	24.7	24.2	23.7	23.4	22.4	24.5
28.3	27.9	**29.4**	28.3	28	25.7	24.4	23.6	23.1	22.4	21.7	21.1	24.2
28.9	28.1	**30.1**	28.8	27.2	25.8	24.3	23.7	23.1	22.6	22.2	21.4	23.8
28.4	28.4	**28.7**	27.7	26.5	24.9	23.9	23.3	22.8	22.4	23.1	22.5	23.8
27.5	**28.9**	28.3	28	27.4	25	23.3	23.2	22.4	22.1	22.2	20.6	23.4
28.4	28.9	29.7	**29.8**	28.2	25.2	23.6	22	20.9	21.4	20	19	**22.7**
28.1	29.4	30.1	**30.3**	28.7	26.3	24.9	24.1	23.6	22.9	22.5	22	23.3
28.2	28.3	**30.3**	29.2	27.6	25.8	24.7	24.6	23.9	23.4	22.8	22.3	23.6
28.8	**30.7**	30.1	30	28.6	26.1	24.5	23.7	22.9	22.1	21	19.9	23.7
27.5	26.8	27.4	24.4	24.1	23.5	23	21.8	21.7	21.5	21.1	20.5	22.8
29.8	29.9	**31.1**	28.2	27.4	25.9	24.4	23.4	21.6	20.5	20	**19.6**	24.1
28.3	30.1	**30.3**	30	28.5	26.6	25	24.2	23.4	23.1	22.3	21.3	23.7
28	27.4	**29.2**	27.4	26.2	25.7	25.1	24.7	24.2	23.7	23.4	23	24.6
27.8	28	**29.1**	27.8	27.1	26.3	25.6	25.4	24.5	23.8	24.6	23.8	25.1
28.3	28.7	**29.1**	28.5	27.3	25.7	24.5	24	23.4	22.9	22.4	21.8	24.2

RELATIVE HUMIDITY (%).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	92	92	94	**96**	**96**	95	93	74	65	61	62	61
2	85	86	84	87	89	90	**91**	76	71	74	69	60
3	86	89	89	**91**	90	**91**	90	78	67	60	62	50
4	80	84	84. 5	86	86. 5	89	88	86	**72**	76	85	79
5	95	95	97	97	97	**98**	**98**	91	74	63	57	55
6	87	91	93	96	**97**	**97**	**97**	81	68	69. 5	63. 5	58
7	91	**93**	91	91	88	92	90	81	72	68. 5	68. 5	68
8	85	86	85	84	86	88	87	79	85	73	75	63
9	91	91	93	94	93	**95**	93	83	71	71	69	68
10	90	91	92	85	90	90	92	87	91	75	77	74. 5
11	94	95	95	94	95	94	**96**	86. 5	79	73	76	69
12	89	89. 5	90	92	92	**93**	**93**	88	84	79	85	86
13	93	95	**96**	95	95	94	90	91	84	79	68	73
14	83	84	85	88	85	88	**91**	78	73	**60**	64. 5	67
15	87	90	**91**	89	90	87	89	79	67	69	67	64
16	85	84	90	**92**	91	**92**	**92**	79	66	63	65	65
17	89	90	91	93	93	**96**	94	79	69	72	66	62
18	85	87	88	90	89	91	**92**	82	70. 5	66	64	65
19	87	**92**	93	92	93	93	**95**	78	71	67	66	64. 5
20	91	89	91	89	90	**92**	91	79	68	68	59	59
21	83	87	**92**	90	90	91	**92**	76	66	65	64	62. 5
22	76	84	84	86	86	**87**	86	75	59	61	60	61
23	88	89	91	90	91	94	**95**	80	67	62	57	56
24	79	85	90	91	91	92	**93**	78	63	66	68	59
25	90	88. 5	92	92	**93**	**93**	92	82	74	67	68	64
26	82	90	93	96	95	**97**	95	76	63	62	56	56. 5
27	88	89	90	91	91	91	89	80	70	62	55	**53. 5**
28	90	88	92	91	91	**93**	92	83	70	57	49	48
29	91	93	**94**	92	92	93	93	78	70	70	67	62
30	85. 5	**86**	**86**	84	85	**86**	**86**	79	69	59	61	**58**
31	89	89	92	91	93	**95**	93	76	63. 5	58	59	**56**
Mean	87. 3	89. 1	90. 6	90. 8	91. 1	**92. 2**	91. 9	80. 6	71	67	65. 6	62. 8

VAPOR PRESSURE (mm).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	15. 9	15. 4	15. 4	15. 4	15. 1	**14. 5**	14. 7	15. 5	17. 3	16. 7	16. 3	17. 1
2	16. 5	17. 5	16. 6	16	16. 1	16. 4	17. 1	18. 4	18. 1	18. 6	**18. 9**	18
3	15. 5	15. 3	15	14. 8	14. 7	14. 7	15. 5	16. 8	17. 5	17	**17. 7**	16. 6
4	16. 5	16. 6	**16**	16. 4	16. 4	17. 1	17. 7	18. 8	18. 8	19. 5	20	20. 3
5	19. 6	19. 5	19. 6	19. 1	19	19. 1	19. 1	**20. 5**	19. 8	18. 6	17. 9	17. 8
6	17. 1	17. 2	17. 1	17. 3	17. 2	16. 8	16. 9	17. 8	18. 3	18. 3	18. 2	18
7	16. 4	16. 4	16. 7	16. 6	15. 8	16. 8	17. 5	18. 1	18. 2	17. 7	17. 7	17. 1
8	**15**	16	15. 7	15. 5	15. 1	15. 3	16. 3	16. 4	17. 9	**18. 4**	17. 9	18. 1
9	16. 2	16. 2	15. 9	15. 9	15. 5	**15. 3**	15. 5	16. 9	17. 1	17. 7	17. 7	18. 2
10	**18. 6**	19	19. 8	18. 8	19. 2	18. 7	18. 9	19. 5	20. 6	19. 8	20. 1	19. 5
11	19. 7	19. 9	19. 9	19. 7	19. 8	19. 6	19. 6	19. 5	19. 8	19. 9	19. 6	19. 2
12	18. 7	18. 6	**18. 3**	18. 4	18. 5	18. 9	19. 4	20. 3	20. 3	20. 8	20. 7	20. 6
13	19. 3	19. 5	19. 6	19. 5	19. 4	19. 2	19	19. 7	19. 2	**20. 1**	19. 6	18. 5
14	17. 2	17. 3	17. 3	17. 2	17. 7	17. 4	17. 5	18. 5	18. 3	17. 8	17. 8	17. 9
15	16. 4	16. 2	15. 9	**15. 5**	15. 8	15. 9	16. 2	18. 1	17. 9	18. 5	18. 7	18. 6
16	16	15. 7	15. 8	15. 4	15. 4	15. 5	**15. 3**	17	17	16	17. 6	17. 1
17	16. 8	16. 6	16. 1	15. 6	15. 4	15. 4	15. 4	17	17. 4	**18. 4**	17. 9	17. 8
18	16. 6	16. 5	16. 5	15. 5	14. 8	**14. 4**	14. 9	16. 6	17	17. 9	18. 2	18. 5
19	17. 1	16. 9	16. 6	16. 4	16. 5	16. 3	16. 5	16. 9	18. 3	17. 9	18	**19**
20	16. 3	15. 2	15. 3	**14. 8**	14. 9	15. 4	15. 7	16	16. 3	16. 9	16. 3	15. 8
21	15. 7	15. 3	15. 5	14. 9	**14. 7**	15. 1	15. 6	16	16. 4	17. 4	17	**17. 3**
22	15	14. 8	14	14	13. 7	13. 6	13. 4	15	14. 5	**16**	15. 9	14. 8
23	14. 3	13. 9	13. 6	13. 1	13. 2	13. 1	13. 4	14. 1	**16**	15. 1	14. 8	15
24	**12. 6**	13	13. 3	13. 5	13. 3	13. 3	13. 5	14. 7	14. 4	15. 8	16. 7	15. 9
25	15. 6	14. 9	14. 5	14. 3	14. 3	**14. 1**	14. 5	14. 8	16. 5	16. 8	17. 1	17. 7
26	15. 6	15. 2	14. 9	14. 5	14. 7	14. 3	**14. 2**	14. 9	15. 4	15. 8	15. 5	15. 6
27	**15**	15. 1	15. 5	**15**	**15**	**15**	15. 1	15. 5	15. 9	15. 6	15. 2	15. 5
28	16. 1	16. 4	16. 3	16. 3	16. 5	16. 6	16. 6	**17. 1**	16. 4	15. 2	**14**	14. 7
29	15. 1	14. 7	14. 5	13. 9	13. 8	**13. 7**	13. 8	15. 9	17. 7	**18. 1**	17. 3	17
30	16. 3	16. 4	16. 3	**15. 8**	16	16. 3	16. 5	17. 1	16. 7	16. 7	16. 2	16. 9
31	17. 9	17. 6	17. 7	17. 7	17. 8	18. 2	**18. 8**	16. 7	**15. 5**	16. 3	16. 1	16. 6
Mean	16. 5	16. 4	16. 3	**16**	**16**	**16**	16. 3	17. 1	17. 4	17. 6	17. 5	17. 4

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
59	53	53	**51**	59	68	73	72	70	73	84	83	74.1
62	59	**55**	58	57	62	70	73	77	78	80	83.5	74
49	**45**	46	49	54	61	64	68	72	74	78	79	70.1
80	80	88	85	87	92	93	94	95	**96**	94	94	86.4
58	58	**54**	**54**	56	66	73	79	81	82	84	83	76.9
61	61	57	**55**	58	67	73	76	82	86	87	89	77.1
70	73	55	**49**	53	59	66	71	76	81	82	84	75.5
64	**58**	62	67	66	73	76	82	86	87	**90**	**90**	78.2
65	**59**	60	64	63	70	76	76	77	82	85	89.5	78.3
68	76	80	**94**	88	85	87	87	91	90	88	92	85.9
74	69	**65**	67	73.5	77	83	83	84	86	85	86	82.5
81	82	**78**	**78**	81	87	90	90	88	90	91	89	**86.9**
72	68	**67**	**67**	68.5	74	75	77	79	80	82	83	81.1
67	68	66	**60**	67	72	75	77	80	81	81	87	76.1
64	63	63	**60**	69	72	75	77.5	81	82	82	87	76.9
63	60	**56**	57	60	68	71	72	75	78	84	86	74.8
59	56	54	55	**51**	63	67	72	77	79	80	82	74.5
61.5	59	60	**52**	63	70	73	75	76	79	81	87	75.2
63.5	64	**56**	**56**	**56**	64	71	76	79	81.5	85	86	76.2
56.5	60	**51.5**	54.5	61	63	72	73	76	79	81	84	74.1
63	61	**60**	62	64	69.5	72	71.5	73	75	71	74	73.9
55	50	49	**48**	50	58	64	63	74	76	76	86	**68.9**
52	52	44	**42**	43	54	57	63	69	68	77	83	69.3
55	**53**	**53**	55	55	66	74	77	77	81	82	82	73.5
63	66	56	**54**	60	67	73	70	71	71	76	75	74.9
56	**48**	**48**	**48**	50.5	62	72	72	74	78	83	89	72.6
57	69	60	74	79	83	84	87	88	88	89	**92**	79.1
45	50	**44.5**	56	57	65	71	72	79.5	86	88	89	72.8
60	56	52	**51**	57	64	67	71	77	78	83	86	74.9
61	65	58.5	64	69	72	73	75	78	81	82	85	74.5
62.5	67	61	64	64	69	71	70	75	79	76	81	74.8
62.2	61.5	**58.5**	59.7	62.6	69.1	73.6	75.5	78.6	80.8	82.8	85.4	76.3

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
17.5	16.8	17.4	16.6	17.1	**17.6**	17.4	17	17	16.4	17.2	16.5	16.4
18.7	18.5	17.2	17.9	16.2	15.7	15.8	16.1	16.2	16.1	15.8	**15.6**	17
16.7	14.9	14.6	**14.5**	**14.5**	14.9	15	15.5	16.2	16.2	16.2	16.5	15.7
21.1	20.6	20.8	**21.6**	21.2	21.1	20.5	20.6	20.5	20.4	20.1	19.8	19.3
17.2	17.3	17.5	16.4	**15.4**	16.3	16.3	16.6	16.6	16.6	16.7	16.9	17.9
18	**18.5**	18	16.2	**15.9**	16.2	16.4	16.2	16.8	17.1	17	16.5	17.2
18.5	**18.5**	15.4	**14**	14.2	14.1	14.6	15	15.3	15.3	14.9	14.6	16.2
17.5	16.8	16.4	17.1	17	17	16.8	17	17.3	17	17	16.4	16.7
18	18.5	18.6	**19**	18	17.7	17.8	17.7	17.9	18.4	18.1	18.6	17.4
19.2	20	19.6	**21.5**	21.3	20.8	19.9	20	20.1	19.7	19.1	19.5	19.7
19.8	20.2	20.2	**20.5**	20.4	20.1	20.1	19.7	19.5	19.4	19.3	**18.9**	19.8
21.7	21.3	21.1	20.7	21.1	21.2	20.9	20.5	20	19.8	20	19.2	**20**
19	19.5	18.5	18.5	17.7	17.6	**17.3**	17.6	17.8	17.6	17.4	17.4	18.7
18.7	18.9	**19.9**	18.6	17.6	17.4	17.1	16.9	16.9	**16.4**	16.5	16.7	17.6
18.6	**18.8**	18.5	18.4	18.2	17.8	17.6	17.2	17	16.6	16.4	16.4	17.3
18.6	17.9	17.5	16.9	16.6	17.1	17.3	17.3	17.1	16.8	16.8	16.6	16.7
17.8	17.3	17	17.4	**14.9**	15.9	15.7	16.2	16.6	16.5	16.4	16.6	16.6
18.2	**18.6**	18.1	16.4	17.6	17.9	17.4	17.3	17	17.2	17.4	17.5	17
18.2	17.9	17.1	15.9	**15.6**	**15.6**	16.2	16.4	16.5	16.4	16.4	16.1	16.9
16.7	**17**	16.3	16	16.5	15.5	16.3	16	16	16.1	16.2	15.9	16
18.1	17.6	17.5	17.2	16.5	16.3	15.8	15.2	15	15.1	14.8	15	16
15	14.7	14	13.5	13.5	13.7	13.7	**13.3**	14.9	15.1	15	15.5	14.4
15	15.4	13.7	13.1	**12.4**	12.9	**12.4**	**12.4**	12.7	13	13.4	13.5	**13.7**
15.5	16.2	16.7	**17.7**	16.1	16.8	17.3	17.1	16.7	16.8	16.5	16.2	15.4
18.1	**18.8**	18.1	16.3	16.6	16.6	16.9	16.1	15.7	15.1	15.7	15	16
16.6	15.8	15.2	15.1	14.7	15.7	16.5	15.6	15.4	15.4	15.3	15.3	15.3
15.6	**18.2**	16.3	16.8	17.7	17.8	17.6	17	17	16.8	16.6	16.6	16.1
14	15.7	14.9	15.8	15.4	16.2	16.1	15.3	15.2	15.4	15.3	15.2	15.7
17	17.7	16.6	16	16.4	16.6	15.7	15.8	16.5	16.3	16.7	16.3	16
17.2	17.6	17.6	17.4	17.4	17.7	17.4	17.4	17.6	17.5	17.5	**17.8**	17
17.3	18.7	18.3	17.7	17	17.5	17.2	16.9	17.2	17.3	17.5	17.6	17.4
17.7	**17.9**	17.4	17.1	16.8	16.9	16.9	16.7	16.8	16.8	16.7	16.7	16.9

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Ci.										Ci.	
2	Ci.		Ci.		Ci.		Ci.					
3	Ci.		Ci.		Ci.-S.		Ci.-S.		Ci.		Ci.	
4	Ci.-S.				Ci.-S.							
5	A.-Cu.		A.-Cu.									
6												
7			Ci.									
8	Ci.-S.		A.-Cu.								A.-Cu.	
9	Ci.								Ci.-S.			
10	A.-Cu.											
11	Ci.		Ci.		Ci.		Ci.-Cu.		Ci.-Cu.		Ci.-S.	
12							Ci.-S.					
13	A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.					
14	Ci.		Ci.		Ci.-Cu.	NW						
15	A.-Cu.		A.-Cu.				Ci.					
16					Ci.							
17			Ci.		Ci.				Ci.			
18												
19					Ci.							
20	A.-Cu.	NE	A.-Cu.		Ci.		Ci.		Ci.-S.			
21	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
22												
23												
24												
25			A.-Cu.	SE								
26												
27	A.-Cu.		A.-Cu.		A.-Cu.							
28	A.-Cu.		A.-Cu.		Ci.-S.				A.-Cu.		A.-Cu.	
29												
30							A.-Cu.		A.-Cu.			
31							A.-Cu.					

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Cu.		Cu.		Cu.		Cu.		Cu.	EbyS	Cu.	EbyS
2	Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.-N.		Cu.-N.	
3	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E
4	N.-cf.		Cu.	E	Cu.	E	Cu.	E	Cu.-N.	E	Cu.-N.	
5	Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	E	Cu.	
6	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
7	Cu.		Cu.		S.-Cu.		N.-cf.	E	N.-cf.	E	N.-cf.	E
8	S.-Cu.	E	S.-Cu.	E	N.		Cu.-N.		Fr.-N.	E	Cu.-N.	
9	Cu.						Cu.		Cu.		Cu.	
10	Cu.		Cu.-N.	E	Cu.	E	Cu.-N.		Cu.-N.	E	Cu.-N.	
11	S.-Cu.		S.-Cu.		Cu.	NE	Cu.	NEbyE	Cu.-N.	NEbyE	Cu.-N.	NEbyE
12	N.-cf.	E	N.-cf.	E	Cu.-N.	E	Cu.		Cu.-N.	E	Cu.-N.	
13	S.-Cu.	E	S.-Cu.	E	S.-Cu.	E	Cu.		Cu.		Cu.	
14	Cu.		Cu.		Cu.		Cu.		N.-cf.	EbyN	N.-cf.	ENE
15	Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	
16	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	E
17	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
18	S.-Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	
19	Cu.		Cu.		Cu.	EbyN	Cu.		Cu.	E	Cu.	
20	S.		Cu.		Cu.		Cu.		Cu.	NE	N.-cf.	NE
21	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
22	Cu.		Cu.		Cu.		Cu.		Cu.	E	Cu.	
23	Cu.		Cu.		Cu.		Cu.		Cu.	E	Cu.	E
24	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
25	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E
26	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	E
27	S.-Cu.	E	S.-Cu.	E	S.-Cu.	E	S.-Cu.	E	Cu.-N.	E	Cu.-N.	
28	S.-Cu.		S.-Cu.		Fr.-N.	ESE	Cu.		Cu.	E	Cu.	
29	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
30	S.-Cu.	NEbyE	S.-Cu.	NEbyE	S.-Cu.	NEbyE	Cu.		Cu.	ENE	N.-cf.	ENE
31	Cu.-N.		Cu.-N.	EbyN	Cu.	E	Cu.	E	Cu.	E	Cu.	E

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Diretion.
		Ci.				Ci.		Ci.		Ci.	
Ci.						A.-Cu.		Ci.-S.		Ci.-S.	
Ci.		Ci.		Ci.		Ci.-S.		Ci.-S.		Ci.-S.	
						Ci.-S.					
		Ci.-S.									
				A.-Cu.		A.-Cu.		A.-Cu.			
A.-Cu.		A.-Cu.		A.-Cu.				A.-Cu.		Ci.-S.	
Ci.-S.											
Ci.						Ci.		Ci.		Ci.	
								A.-Cu.		A.-Cu.	
		Ci.									
								A.-Cu.		A.-Cu.	
				A.-Cu.							
A.-Cu.											
								A.-Cu.			
Ci.-S.								Ci.-S.		Ci.-S.	
Ci.-S.										Ci.-S.	
Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
								Ci.-S.			
A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.		Ci.-Cu.	
A.-Cu.				A.-Cu.				A.-Cu.			
								A.-Cu.			

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Cu.	EbyS	Cu.	EbyS	Cu.	EbyS	Cu.		Cu.		Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Fr.-N.		N.	
N.-cf.	E	Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.		Cu.	
S.-Cu.	E	S.-Cu.	E	Cu.		S.-Cu.		S.-Cu.		S.-Cu.	
Cu.-N.		Cu.-N.	ESE	Cu.-N.	ESE	Cu.-N.	ESE	Cu.	E	Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
N.-cf.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.		N.-cf.		Cu.	
Cu.		Cu.	E	Cu.	E	Cu.-N.	E	Cu.		Cu.	
Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.		Cu.-N.	
Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.		Cu.-N.	
N.-cf.		Cu.	E	Cu.	E	N.-cf.		Cu.	ENE	Cu.	
N.-cf.	E	N.-cf.	E	N.-cf.	E	N.-cf.		Cu.-N.		Cu.-N.	
Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.		Cu.	
Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.-N.		Cu.-N.	
Cu.	E	N.-cf.	E	N.-cf.	E	N.-cf.	E	Cu.		Cu.	
Cu.	NE	Cu.	NE	Cu.	NE	Cu.		Cu.		Cu.	
Cu.		Cu.-N.		Cu.	E	Cu.-N.	E	Cu.	E	Cu.	
Cu.	E	N.-cf.	E	Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.-N.	E	N.-cf.	E	Cu.	E	Cu.		Cu.		S.-Cu.	
Cu.	E	Cu.	E	Cu.		Cu.		Cu.		Cu.	
Cu.-N.		Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	S.-Cu.		S.-Cu.	
Cu.		Cu.	E	Cu.	E	Cu.-N.	E	Cu.		Cu.	
Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
N.-cf.	ENE	Cu.-N.	NEbyE	N.-cf.	NEbyE	Cu.-N.		Cu.-N.		Cu.-N.	NE
Cu.	E	Cu.	E	Cu.		Cu.	NE	Fr.-Cu.		S.-Cu.	

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	ENE	0.5	Calm		Calm		Calm		Calm		Calm	
2	Calm		NNE	1	NNE	1.5	Calm		NNE	1	Calm	
3	E	.5	SE	.5	SE	1	E	1	SE	1	Calm	
4	Calm		Calm		Calm		Calm		Calm		Calm	
5	Calm		Calm		Calm		Calm		ESE	.5	Calm	
6	Calm		Calm		Calm		ENE	1	ENE	1	Calm	
7	Calm		SEbyE	1	E	.5	E	.5	E	.5	Calm	
8	Calm		Calm		N	.5	NE	.5	Calm		Calm	
9	Calm		Calm		Calm		Calm		Calm		Calm	
10	Calm		Calm		Calm		NNW	1.5	Calm		Calm	
11	Calm		Calm		Calm		Calm		Calm		Calm	
12	Calm		Calm		ENE	.5	Calm		Calm		Calm	
13	E	1	E	.5	E	1	Calm		E	1.5	NE	1.5
14	N	2	E	2	NE	2.5	NE	1.5	E	1	Calm	
15	Calm		SE	1.5	Calm		Calm		Calm		Calm	
16	ESE	1	ENE	1.5	Calm		Calm		ENE	1	Calm	
17	N	1	N	.5	Calm		Calm		NE	.5	Calm	
18	SE	.5	Calm		Calm		SE	1.5	NE	1	Calm	
19	SE	1.5	SE	1	SE	1.5	SE	1	SE	1	Calm	
20	Calm		Calm		ESE	1	ESE	1	ESE	1	N	1
21	SE	.5	SE	1	SE	1	SE	1.5	E	1.5	NE	1.5
22	Calm		Calm		Calm		SE	1	SE	1	Calm	
23	N	1.5	NE	1.5	NE	1.5	NE	1.5	N	1.5	Calm	
24	SE	1	SE	1.5	SE	.5	ENE	1.5	ENE	1.5	Calm	
25	SE	1.5	SE	1.5	Calm		SE	1	Calm		Calm	
26	SE	2	NE	2	NE	2	N	1.5	NE	1.5	Calm	
27	N	1.5	N	1.5	N	1.5	N	1.5	N	1.5	Calm	
28	Calm		NNE	1.5	Calm		Calm		NNE	.5	Calm	
29	Calm		Calm		N	.5	NE	.5	E	.5	Calm	
30	Calm		Calm		Calm		Calm		Calm		Calm	
31	ENE	1.5	EbyN	1.5	ESE	1.5	ESE	.5	Calm		Calm	
Mean		0.6		0.7		0.6		0.6		0.7		0.1

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	Calm		ESE	2	ESE	1.5	SE	0.5	SE	5	SE	1
2	Calm		W	2	WNW	2.5	Calm		Calm		Calm	
3	Calm		ENE	4	EbyS	1.5	ESE	2.5	ESE	3.5	ESE	1
4	NW	1	NW	2.5	Calm		Calm		Calm		Calm	
5	ENE	2	NE	3	Calm		E	2.5	ESE	4.5	ENE	1
6	WSW	5.5	W	5	Calm		E	4.5	ESE	2.5	E	.5
7	WSW	2.5	Calm		NEbyE	1.5	ESE	6	E	3.5	ESE	2
8	ESE	7	ESE	7.5	ESE	4.5	EbyS	2.5	ESE	2	ENE	1
9	Calm		W	1.5	WNW	2	W	1.5	Calm		Calm	
10	WSW	2	Calm		Calm		Calm		Calm		Calm	
11	WSW	3	Calm		ESE	.5	Calm		SE	.5	Calm	
12	Calm		W	2.5	NE	5	NNE	1.5	NW	1	Calm	
13	W	1.5	SE	3	SE	3.5	SE	4	ESE	4.5	ESE	2
14	WNW	2	WNW	2	W	1	SSE	2.5	SE	4.5	SE	3
15	NW	5	WNW	1.5	WNW	1.5	Calm		SE	2.5	SE	1.5
16	W	2	W	1.5	S	2	Calm		SSE	2.5	SSE	2.5
17	WSW	2.5	SE	2	SSE	6	SSE	3.5	SE	3.5	ESE	2.5
18	W	2	W	3.5	SW	1.5	ESE	9	SE	4.5	SE	1
19	W	3	NW	4	NW	1	E	2.5	E	3	ESE	3.5
20	SW	2	Calm		SE	1	ESE	2	E	1	E	3.5
21	WSW	2.5	SE	3.5	SE	6.5	SE	6	SE	10	SE	2
22	W	3	Calm		SSE	3	SE	5.5	SE	2.5	ENE	1
23	WNW	4	WSW	3.5	SSE	2.5	SSE	1.5	Calm		Calm	
24	W	5	WNW	2	WNW	1	Calm		SE	2.5	SE	3
25	WSW	4	WNW	2.5	Calm		ESE	3	SE	3	ESE	2
26	WSW	4.5	SE	5	SE	6.5	ESE	4	SE	1.5	SE	2
27	NNE	1.5	Calm		SE	3	NE	1.5	Calm		Calm	
28	NE	2	ESE	1.5	ESE	2	SE	1.5	Calm		SE	1.5
29	WSW	3	WSW	3	WSW	1.5	Calm		SSE	1	ESE	1
30	SE	2	ESE	4	SE	4.5	Calm		Calm		Calm	
31	SW	1	WSW	3	WSW	3	SEbyS	4.5	SbyE	5.5	SE	3.5
Mean		2.4		2.4		2.3		2.3		2.4		1.4

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
Calm		Calm		WSW	1.5	NW	3	NNW	2	WSW	2.5
Calm		Calm		Calm		Calm		Calm		WSW	2.5
Calm		Calm		Calm		Calm		Calm		SE	1.5
NNE	3	N	1.5	NNW	1.5	Calm		Calm		WNW	.5
Calm		Calm		Calm		E	3	Calm		Calm	
Calm		Calm		Calm		NW	3.5	W	4.5	WSW	1.5
Calm		Calm		Calm		NNW	3.5	Calm		WNW	1
Calm		Calm		Calm		SE	4	ESE	6	ESE	6
Calm		Calm		Calm		Calm		WNW	4	WNW	3.5
Calm		Calm		ESE	1.5	Calm		Calm		SE	4
Calm		Calm		Calm		Calm		NW	2	W	5
Calm		Calm		Calm		W	1	Calm		WSW	1
NE	2.5	NNW	3	N	2	NE	1.5	SE	1.5	NW	1
Calm		E	.5	NE	1	ESE	1.5	SE	2.5	NW	2
Calm		Calm		Calm		Calm		WNW	3	WNW	4
Calm		Calm		N	1	WNW	2	W	2.5	NW	6
Calm		Calm		Calm		W	3	E	2.5	W	3
Calm		Calm		NE	2	N	2	WNW	3	WSW	5
Calm		Calm		SSE	1	W	.5	W	1	WSW	1.5
N	1	N	1	NW	1	W	3	W	3.5	WSW	4
Calm		NE	1.5	NNE	1	N	2	N	2	W	3
Calm		Calm		SSE	.5	WSW	1	WNW	2.5	WNW	4
Calm		Calm		Calm		WNW	2	WNW	4	NW	3
Calm		Calm		NNW	1	W	3.5	W	2.5	W	3.5
Calm		Calm		Calm		Calm		WNW	2	WNW	2
Calm		Calm		Calm		SW	1	W	2	Calm	
Calm		Calm		Calm		Calm		ENE	.5	Calm	
Calm		NE	1	SE	1	NE	3.5	NNE	5	ENE	5.5
Calm		Calm		ESE	1	W	1.5	NNW	1.5	W	3
Calm		Calm		Calm		N	.5	NE	2.5	Calm	
Calm		Calm		NE	3.5	Calm		NE	2	NNE	2
	0.2		0.3		0.7		1.5		2.1		2.6

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		12 m. n.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
SE	1	Calm		E	1.5	Calm		Calm		Calm		0.9
Calm		SE	1.5	E	1.5	E	2	E	1	SE	1	.7
Calm		Calm		Calm		Calm		Calm		Calm		.8
Calm		Calm		ESE	1	Calm		Calm		Calm		.5
Calm		Calm		Calm		Calm		Calm		Calm		.7
ESE	.5	Calm		SEbyE	1	Calm		SEbyE	1.5	EbyN	1	1.4
E	1.5	E	.5	E	1	N	.5	Calm		Calm		1.1
Calm		Calm		Calm		Calm		Calm		Calm		1.7
Calm		SSE	1	SSE	1	SSE	1.5	Calm		Calm		.7
Calm		Calm		Calm		Calm		Calm		Calm		.4
Calm		Calm		Calm		Calm		Calm		NE	1.5	.5
Calm		NNW	1.5	NNW	.5	Calm		Calm		E	1	.6
SE	3	SE	2.5	SE	3.5	SE	2.5	E	1.5	E	2.5	2.1
SE	2.5	SE	1.5	SE	1.5	SE	.5	SE	.5	SE	1	1.6
ESE	1	ESE	1	ESE	1	ESE	1	ESE	1	ESE	1	1.1
SSE	1.5	SE	3	SE	2	SE	1	NE	2.5	N	.5	1.5
Calm		SE	1.5	SE	1.5	SE	.5	SE	1.5	SE	2	1.6
Calm		SE	3	SE	2.5	SE	2	SE	2.5	SE	1.5	2
ESE	1	ESE	2	SE	2.5	ESE	1.5	Calm		Calm		1.4
Calm		Calm		Calm		Calm		Calm		Calm		1.1
SE	1.5	SE	1.5	SE	1.5	SE	1.5	ENE	3	Calm		2.3
ESE	1	E	3	SE	3	SE	3.5	SE	3	SE	1.5	1.7
ESE	1.5	Calm		Calm		SE	1.5	Calm		SE	1.5	1.4
SE	2	SE	1.5	SE	2.5	SE	2	SE	2	SE	1.5	1.7
Calm		E	2	E	2	SE	1.5	SE	2.5	SE	3	1.4
SE	1.5	E	2	SE	2	SE	1.5	SE	1	SE	1	1.9
Calm		Calm		Calm		Calm		Calm		Calm		.6
E	1.5	E	1	E	.5	Calm		NE	.5	Calm		1.2
ESE	2	SE	2	SE	1.5	SE	1.5	Calm		Calm		1
Calm		Calm		Calm		Calm		ENE	1.5	E	1.5	.7
SE	4	SE	1.5	Calm		SE	.5	SE	.5	SE	1	1.7
	0.9		1.1		1.1		0.9		0.8		0.8	1.2

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	1	1	2.5	3	3	0.5	1	1.5	1	5.5	14	12
2	0	1.5	4.5	3	4.5	5.5	2	0	2	4.5	8	6.5
3	2	3	3	3	4	4.5	7	4	7	3.5	11	7.5
4	.5	.5	1	2	1	1.5	6	**13**	10	7	10	6
5	0	.5	0	.5	2	4.5	1	3	.5	7	8	12
6	.5	0	.5	2.5	5	2	.5	0	.5	6	10	7.5
7	1	.5	1	1.5	3.5	1	0	1	4.5	9.5	9	7
8	0	1.5	1.5	3	1	.5	.5	0	4.5	7	**24**	20
9	0	1.5	.5	0	2	2.5	1	.5	1.5	6.5	**14**	12
10	0	0	0	4	4	0	1.5	**6.5**	3.5	3.5	2.5	2
11	.5	0	.5	0	1	.5	0	0	3	4.5	11	11
12	4.5	4	2	2.5	.5	1	2.5	2	.5	5	7.5	8
13	6	6	4	3	3	6	8	11.5	13.5	13	8	11
14	8	6	6.5	4.5	3.5	4	4	3	6.5	6	10	10
15	2.5	3	1.5	3	4.5	7	4	3.5	5.5	5	14	14
16	4	6	3	3.5	4	4	1	2.5	8	8	12	13
17	2	3	2.5	.5	4	2.5	3	1	0	4.5	12	14
18	7.5	5.5	4.5	6	5	6	6	5	10	12	13	17
19	4.5	3.5	3.5	4	2.5	2.5	4	3	1.5	8.5	10	10
20	1	3	2	2	3	3	5	2.5	4.5	8.5	**12**	9.5
21	7	4.5	4	4.5	5.5	7.5	6	9.5	8.5	4	18	14.5
22	5	0	0	1.5	3.5	5.5	3.5	1.5	1.5	7	13	11
23	4.5	5	5.5	5.5	5	4.5	4.5	4	1.5	6.5	**18**	16.5
24	4.5	4.5	3.5	5	7	5	5.5	2	2.5	8	11	13
25	5	3	1.5	3.5	1	2.5	2.5	1	3	4	12	15
26	4.5	4	5	4.5	4	4.5	2.5	1	3	4.5	14.5	12.5
27	3.5	5	6	5	5.5	5	4.5	4	1.5	2	7.5	10.5
28	2	4.5	5	4	4	4	2	4	4.5	13.5	**16**	12
29	1	0	3	3	3.5	3.5	2	1	2	7	13.5	**16.5**
30	1	1	1	3	0	0	2.5	1.5	.5	4.5	**18**	14
31	7	6	5	2.5	1.5	1	0	0	9	**14**	11	4.5
Mean	2.9	2.8	**2.7**	3	3.3	3.3	3	3	4	6.8	12	11.3

AMOUNT OF CLOUDS (0–10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	3	2	2	3	6	7	6	8	7	9	9	7	5.8	7 40
2	6	5	6	7	9	10	8	6	5	7	7	5	6.8	7 00
3	9	8	9	10	10	8	7	8	9	8	10	8	8.7	3 05
4	7	7	5	8	10	10	10	10	10	10	10	10	8.9	2 25
5	9	9	7	4	6	7	8	8	5	4	2	2	5.9	6 15
6	4	2	1	3	2	2	4	4	5	4	3	2	3	8 30
7	7	2	7	10	10	10	9	5	4	2	2	2	5.8	4 30
8	9	10	10	10	10	10	10	10	10	10	6	4	9.1	2 05
9	3	0	0	2	4	4	4	4	3	4	4	4	3	8 50
10	6	9	8	9	10	10	8	10	10	8	8	8	8.7	1 15
11	10	9	8	8	9	9	8	7	6	9	9	5	8.1	7 00
12	10	10	10	8	10	10	10	8	10	9	8	10	9.4	1 40
13	9	8	8	8	7	8	9	8	8	9	9	10	8.4	2 40
14	3	2	4	3	7	8	7	7	6	8	5	8	5.7	5 45
15	5	5	3	6	8	9	8	8	8	7	8	5	6.7	8 35
16	2	2	1	2	3	4	5	7	5	3	5	2	3.4	9 10
17	1	2	2	2	3	3	3	4	6	6	7	2	3.4	8 35
18	1	2	2	2	3	5	4	4	4	3	5	4	3.2	9 10
19	2	2	2	2	3	6	8	10	10	10	6	5	5.5	6 40
20	5	4	3	4	4	9	6	7	7	8	8	9	6.2	6 10
21	6	2	3	4	5	6	8	8	8	7	5	4	5.5	9 10
22	2	2	1	2	6	5	8	8	7	5	3	4	4.4	7 40
23	1	1	1	2	4	4	2	1	1	1	1	1	**1.7**	9 35
24	1	1	0	0	3	3	3	3	2	2	1	1	**1.7**	9 50
25	2	5	3	7	9	8	8	8	5	5	3	8	5.9	6 35
26	1	1	2	2	3	5	4	6	3	4	4	2	3.1	**10 05**
27	10	10	10	10	9	10	10	10	10	10	10	10	**9.9**	**0 00**
28	10	9	10	9	10	9	9	5	8	10	5	10	8.7	2 30
29	1	2	1	2	3	4	3	4	6	3	2	2	2.8	9 25
30	9	10	9	7	7	9	10	10	10	10	9	10	9.2	2 00
31	10	10	10	5	6	7	8	7	7	4	4	10	7.3	4 05
Total														187 55
Mean	5.3	4.9	**4.8**	5.2	6.4	**7.1**	6.9	6.9	6.6	6.4	5.7	5.6	6	6 04

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–mdt.	Mean.
7	12	**16.5**	11.5	15	9	5.5	2.5	7.5	4.5	1	0	5.8
9	**12**	**12**	8.5	5	7.5	4.5	5	4.5	5.5	4	3	5.1
12.5	**23**	**23**	22	21	13	9	8	2.5	.5	0	0	8.1
10.5	12.5	4	3.5	5.5	3.5	3.5	1.5	2.5	1	0	1	4.5
16	14	17	**20**	18	7.5	2.5	.5	1	.5	1	.5	5.7
13.5	**14.5**	3.5	10	11.5	5.5	3.5	3.5	4	0	2.5	1.5	4.5
7	4.5	4.5	**15**	**15**	10	5	1.5	3.5	4	.5	0	4.6
21	19	19	23	15	12	5.5	1.5	0	0	1.5	.5	7.6
13	9	9	6.5	6	3.5	2	4	4.5	4.5	2	1	4.5
5	4.5	5.5	1	1.5	1	2.5	4.5	2	1	0	0	**2.3**
12.5	10	6.5	7	7	2.5	2	4	4.5	7	6	4.5	4.4
7.5	7	**10**	**10**	6.5	4.5	0	2	2	1	1	4	4
9.4	9.5	14.5	**17.5**	16	12	11.5	10	9.5	8	6.5	4.5	9.2
13	13	9	10	14	**15**	13	10	8	6.5	7.5	4.5	8.1
17.5	13.5	10	7.5	11.5	11	11	6.5	5.5	4	6	4	7.3
15	12	9	12.5	12.5	12.5	11.5	12	7.5	6.5	5	9	8.1
12	12	**25**	19	15	13	9	11	10.5	8	10.5	10.5	8.5
14	12	12	**20**	**20**	12	9	10	9	8	8	6.5	**9.9**
12	10	8	9	**16**	13	10	7.5	8	6.5	5	1	6.8
8	9	6	10	10	9.5	8	7	7.5	5.5	5	3.5	6
15	12.5	19	**20**	19	13	8	6	6	6	10	6	9.8
16.5	11.5	15.5	**18.5**	17	10	6.5	11.5	10	10	11	6	8.2
15.5	15.5	9.5	13	11	6.5	7	6	5	7	5.5	4.5	7.8
16	**16.5**	9.5	8	12	12	10	9	9	8.5	6.5	7	8.1
9.5	13	10	16	**16.5**	14	8.5	7	6.5	7	8	8.5	7.4
11	14	**20**	18	13	10.5	6.5	7	7.5	6.5	4.5	3	7.8
10.5	7.5	9	**15**	2.5	1.5	5	1	1.5	2.5	3	1.5	5
13	13	14.5	15	10	10	6	5	2.5	2.5	1	2	7.1
13	12	9	5	8	9.5	8.5	9	7.5	6.5	4	2	6.2
8	4.5	10.5	8	10	2.5	1	0	.5	0	3	6	4.2
7.5	8.5	8.5	6	11	11	11	8	3	1	3	2	5.9
12	11.7	11.6	**12.5**	12	9	6.7	5.9	5.3	4.5	4.3	3.5	6.5

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW	W.	WNW	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1				1	1	2	4					2			1	1	12	138	4.8	
2		3			3		2					1	1	1			13	122.5	4.2	
3				1	2	4	4										13	194	5.7	
4	1	1				1								1	2	1	17	107.5	.7	6.7
5			1	2	2	2											17	137.5	4.2	.2
6				2	3	2	2					2	2		1		10	108.5	4.2	
7	1			1	7	2	1					1		1		1	9	110	3.7	
8	1		1	1		7	1										13	181.5	3.2	
9								3					2	3			16	107	3.7	
10						1	1					1				1	20	56	1.2	10.4
11			1			1	1					1	1		1		18	105.5	3	
12		1	1	1	1							1	2		1	2	14	95.5	1.5	3.3
13	1		3		6	2	8						1		1	1	1	222	3.2	1.3
14	1		3		3	1	9	1					1	2	1		2	195.5	3.8	
15						6	3							4	1		10	175.5	4	
16	2		1	2		1	3	3	1				3	1	1		6	194	4.4	
17	2		1		1	1	7	2				1	2				7	204.5	4.8	
18	1		2			1	9				1	1	2	1			6	238	4.8	
19					2	4	6	1				1	3		2		5	163.5	3.8	
20	3				2	4	1				1	1	2		1		9	145	4.2	
21	2	1	2	1	1		13					1	1				2	234	4.9	
22				1	1	1	8	2				1	1	2			7	197	4.7	
23	2		3			1	2	2				1		3	1		9	187	5.1	
24				2			11						4	2		1	4	195.5	4.4	
25					2	2	7					1		3			9	178.5	4.4	
26	1		3		1	1	10				1	1	1				5	186	5.3	
27	5	1	1	1			1										15	120.5	2.2	
28		3	4	1	3	2	3										8	170	4.9	
29	1		1		1	3	3	1				3	2			1	8	150	4.8	
30	1		1	1	1	1	2										17	101	4.1	
31		1	2	1	1	2	6	1	1		1	2					6	142	4.3	
Total	25	11	31	19	44	55	128	16	2	0	4	23	31	24	14	9	308	4,863	122.2	21.9
Mean	0.8	0.4	1	0.6	1.4	1.8	4.1	0.5	0.1	0	0.1	0.7	1	0.8	0.5	0.3	9.9	156.9	3.9	0.7

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°C.		*Per cent.*	*mm.*	*mm.*		°C.		*Per cent.*	*mm.*
1	**762**	9.00a.	32.1	2.35p.	96	17.6	**758.45**	2.45p.	17.2	5.55a.	51	14.5
2	62.36	8.00a.	31.8	2.25p.	91	18.9	59.12	3.00p.	20.2	5.35a.	55	15.6
3	62.95	8.45a.	32.9	1.20p.	91	17.7	59.90	2.15p.	18.4	5.25a.	45	14.5
4	63.20	8.45a.	**28.5**	11.30a.	96	21.6	60.30	2.05p.	20.8	3.15a.	72	16
5	62.80	8.45a.	32.6	3.05p.	**98**	20.5	59.85	3.15p.	21.5	6.40a.	54	15.4
6	62.30	8.45a.	32.5	11.50a.	97	18.5	59.55	2.30p.	19.4	6.30a.	55	15.9
7	62.25	9.00a.	31.2	3.30p.	93	18.5	59.95	3.35p.	19.1	4.50a.	49	14
8	62.54	9.00a.	30.8	0.10p.	90	18.4	59.35	2.10p.	19.6	5.45a.	58	15
9	62.15	8.30a.	31.4	2.35p.	95	19	59.05	3.20p.	17.6	6.10a.	59	15.3
10	62.70	8.15a.	30.2	1.05p.	94	21.5	60.39	2.00p.	22.1	6.45a.	68	18.6
11	64.05	8.35a.	32.2	3.50p.	96	20.5	60.41	3.00p.	**22.3**	7.10a.	65	**18.9**
12	64.10	9.00a.	30.1	2.40p.	93	**21.7**	60.80	2.45p.	20.8	4.25a.	**78**	18.3
13	64.20	8.45a.	30.4	3.40p.	96	20.1	60.40	3.15p.	22.2	5.55a.	67	17.3
14	64.50	8.55a.	31.3	3.40p.	91	19.9	60.90	3.25p.	21	6.50a.	60	16.4
15	64.05	9.00a.	32	1.45p.	91	18.8	61.09	3.00p.	19.8	4.30a.	60	15.5
16	64.55	9.25a.	32.2	2.55p.	92	18.6	61.38	4.00p.	18.8	6.35a.	56	15.3
17	64.85	9.25a.	32.4	2.35p.	96	18.4	61.70	2.40p.	18.5	5.50a.	51	14.9
18	64.85	9.25a.	31.9	3.25p.	92	18.6	60.90	3.25p.	18.3	6.15a.	52	14.4
19	65.15	9.20a.	31.2	3.10p.	95	19	62.30	3.05p.	19.6	6.40a.	56	15.6
20	65.20	9.10a.	32	3.10p.	92	17	61.60	3.45p.	18.6	4.40a.	51.5	14.8
21	64.55	9.10a.	30.5	1.45p.	92	18.1	61.59	3.00p.	18.7	5.15a.	60	14.7
22	64.35	9.30a.	31.5	3.30p.	87	**16**	61.25	3.15p.	17.8	6.55a.	48	13.3
23	64.01	9.00a.	32	3.50p.	95	**16**	60.90	3.45p.	**15.8**	6.25a.	**42**	**12.4**
24	64.57	9.00a.	31.3	3.55p.	93	17.7	61	3.40p.	16.3	6.30a.	53	12.6
25	64.30	9.15a.	31.8	3.05p.	93	18.8	61.20	3.10p.	17.5	6.05a.	54	14.1
26	64.85	9.15a.	**33**	1.50p.	97	16.6	61.65	3.35p.	16.5	6.35a.	48	14.2
27	**66.30**	9.30a.	30.2	0.40p.	92	18.2	**63.19**	3.00p.	18.5	6.20a.	53.5	15
28	65.75	8.45a.	32	3.05p.	93	17.1	61.60	3.30p.	19.3	11.15p.	44.5	14
29	65.15	9.20a.	32.4	3.25p.	94	18.1	61	3.40p.	16.8	5.15a.	51	13.7
30	64.45	9.25a.	30.5	2.50p.	**86**	17.8	61.30	3.20p.	21	3.10a.	58	15.8
31	64.25	9.15a.	31.2	2.50p.	95	18.8	61.01	3.00p.	21.2	5.20a.	56	15.5
Mean	763.98	-------	31.5	-------	93.3	18.6	760.74	-------	19.2	-------	55.8	15.2

DAILY GENERAL REMARKS.

1____Cloudy weather.
2____As yesterday.
3____Coloration of clouds at sunset.
4____d in the forenoon; ●° in the afternoon and night.
5____d in the early morning.
6____Fair weather.
7____d° at noon.
8____d° in the morning; somewhat gusty ESE winds in the forenoon and afternoon.
9____☊ early in the morning; coloration of upper clouds at sunset.
10____● in the afternoon; slight coloration of upper clouds at sunset.
11____Overcast.
12____●° in the forenoon and afternoon.
13____●° in the early morning and afternoon.
14____Cloudy weather.
15____As yesterday.
16____Do.
17____Do.
18____Gusty ESE winds in the afternoon.
19____Cloudy weather.
20____☊ early in the morning.
21____Gusty SE winds in the afternoon.
22____Cloudy weather.
23____Fair weather.
24____As yesterday.
25____Cloudy weather.
26____As yesterday.
27____d° in the afternoon.
28____◠ 7.45a.; d° in the morning and afternoon; coloration of clouds at sunset.
29____Fair weather.
30____Overcast.
31____Do.

OBSERVATIONS FOR FEBRUARY, 1912.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	62.50	62.15	62.05	62.10	62.20	62.57	62.95	63.57	**63.99**	63.80	63.39	62.65
2	62.85	62.60	62.15	62.20	62.50	62.84	63.50	63.86	64.29	**64.32**	63.83	62.97
3	63.20	62.80	62.75	62.80	63.10	63.50	63.71	64.14	64.61	**64.69**	64.21	63.48
4	62.90	62.50	62.15	62.25	62.60	62.87	63.35	63.96	**64.29**	**64.29**	63.78	62.99
5	63.55	63.20	62.95	63.05	63.35	63.55	64.09	64.48	**64.88**	64.82	64.43	63.83
6	63.75	63.55	63.45	63.45	63.75	63.94	64.60	64.89	**65.49**	65.21	64.83	64.18
7	63.70	63.70	63.60	63.55	63.90	64.35	64.60	64.94	**65.39**	65.29	64.96	64.31
8	64.05	64	63.75	63.90	64	64.31	64.51	**64.94**	64.93	64.70	64.11	63.51
9	63.55	63.40	63.30	63.35	63.50	63.63	63.89	63.99	**64.24**	64.16	63.48	62.70
10	62.65	62.45	62.25	62.20	62.35	62.75	63.24	63.53	**63.56**	63.43	62.98	62.49
11	61.45	61.30	61.10	61.05	61.40	61.81	62.46	63.03	**63.26**	63.18	62.68	62.09
12	61.90	61.70	61.45	61.45	61.40	61.66	61.95	62.31	**62.56**	62.30	61.75	61.07
13	60.85	60.60	60.25	60.20	60.45	60.80	61.25	61.59	**61.89**	61.49	60.87	60.14
14	60.15	59.90	59.85	59.70	59.80	60.16	60.66	61.29	61.44	**61.49**	60.83	60.06
15	60.25	60.05	59.75	59.60	59.70	60.02	60.53	60.95	**61.19**	61.03	60.55	59.87
16	60.75	60.35	60.35	60.20	60.25	60.36	60.75	61.03	**61.52**	61.45	60.91	60.05
17	60.30	60.20	60	59.85	60.15	60.41	61	61.42	**61.90**	61.75	60.98	60.31
18	60.55	60.25	60.10	60.10	60.15	60.64	61.09	61.65	**61.87**	61.79	61.57	61.08
19	61.30	61.15	61.05	61.30	61.40	61.77	62.30	62.88	**63.23**	63.18	62.66	61.98
20	62.50	62.45	62.20	61.95	62.05	62.37	62.55	62.87	62.93	62.88	62.24	61.63
21	62.65	62.25	61.95	61.75	61.90	62.24	62.50	62.90	**62.99**	62.92	62.62	62.10
22	61.65	61.50	61.35	61.50	61.60	61.85	62.20	62.62	**62.88**	62.78	62.57	61.88
23	61.70	61.45	61.20	61.10	61.10	61.40	61.80	**62.39**	62.38	62.24	61.84	61.12
24	60.70	60.40	60.20	60.10	60.35	60.74	60.95	61.12	61.39	**61.53**	60.95	60.34
25	60.50	60.25	60.15	60.15	60.60	61.19	61.66	61.85	**61.89**	61.82	61.36	60.78
26	60.30	60.05	60	60.10	60.20	60.63	60.98	61.45	**61.67**	61.49	61.01	60.49
27	60.65	60.20	59.75	59.65	59.85	60.20	60.60	61.17	**61.39**	61.31	60.79	60.16
28	59.75	59.50	59	59.25	59.85	60.54	60.97	60.97	61.12	**61.14**	60.51	59.70
29	59.90	59.60	59.20	59.10	59.50	60.22	60.76	61.14	**61.39**	**61.39**	60.78	60.09
Mean	61.74	61.50	61.29	61.27	61.48	61.84	62.26	62.65	**62.92**	62.82	62.33	61.66

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	23.9	22.6	22	21.4	21.4	**20.8**	21	25.3	26.8	26.9	27.6	28.6
2	22.9	22.8	22.5	**22.2**	22.5	22.3	22.9	24	25.1	27.1	29	**29.2**
3	22.8	22.6	21.2	20.3	20.1	**20**	20.6	21.6	22.5	23.2	25.8	25.8
4	20.3	20.3	19.9	19.5	**19.3**	**19.3**	19.9	23.1	25.9	25.8	28	29.4
5	23.1	22.4	22.3	22.2	22	**21.8**	22	23.2	25.9	25.7	**27.2**	25.1
6	22	22	22.2	22.5	22.7	22.1	22	23.8	24.3	**26.8**	26.7	26
7	20.6	20.2	**19.6**	20	20.3	20.5	20.6	22.7	25.1	26.3	26.2	25.1
8	21.7	21.7	21.7	21.7	21.4	**21.3**	21.8	23.7	25.2	26.5	25.4	27.5
9	21.6	21.4	20.4	19.6	19.5	**18.9**	19.2	23.4	25.2	26.8	27.5	28.3
10	20.7	19.6	19.1	18.7	18.2	**18**	18.5	21.9	25.6	26.5	27.2	28.3
11	21	20.3	19.9	19.3	19.1	**18.5**	18.7	23.5	26.6	26.9	27.3	27.8
12	21.2	20.5	19.8	19.4	19.2	**18.5**	19.2	23.9	27.5	27.3	27.6	28.5
13	22.5	22.1	20.5	**19.9**	20.5	21.1	21.6	23.2	26	26.8	27.6	28.2
14	21.2	20.3	20.3	19.7	19.5	19.3	**19.2**	22.8	26.1	27.4	27.8	28.2
15	21.9	21.1	20.5	19.5	19.2	**18.9**	19.6	24.4	26.2	26.9	28.8	29.4
16	23.6	23.6	23.1	22.5	22.1	**21.7**	21.8	25.3	26.5	28.1	29.1	30.2
17	23.5	23.7	23.3	22.6	22.4	**22.3**	22.8	25.5	27.2	28.2	29.4	29.4
18	25.1	24.6	24.1	23.3	22.6	**22.5**	23.1	25	27.7	27	27.4	27.1
19	24	23.5	23.4	24	23.5	**23.1**	23.3	26.4	27.9	29.5	30.6	31
20	23	22.3	22.4	21.6	21.3	**21**	22.5	25.4	28	28.5	30	30
21	23	23.1	**22.8**	23.2	22.9	**22.8**	23.6	25.3	27.3	28	26.8	26.7
22	23.6	22.6	22.7	22.1	**21.7**	22	23	27.6	29.6	30.5	31	32.4
23	23.6	23.2	22.8	22.2	21.6	**21.2**	21.7	24.5	27.3	27.1	28.3	29.4
24	22.7	21.7	21.4	**21.2**	**21.2**	21.8	22.9	26	26.9	27.2	26.3	27.2
25	22.7	21.7	21.2	20.4	19.7	**19.1**	20.2	24.8	29	30.9	31.9	32.4
26	22.3	21.9	21.2	20.4	**20.3**	**20.3**	21.5	26.6	29.6	30.6	31.5	31.8
27	23.7	23.7	23.2	**22.6**	22.9	22.8	23.2	27	29.8	31	31	31.4
28	23.9	22.8	23.7	22.1	21.9	**21.2**	22.5	26	29.3	30.5	31.5	32.6
29	22.1	21.5	20.7	19.9	19.9	**19.5**	21	25.6	29.6	30.5	32	**32.6**
Mean	22.6	22.1	21.7	21.2	21	**20.8**	21.4	24.5	26.9	27.7	28.5	29

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
61.68	61.11	60.61	**60.53**	60.90	61.23	61.62	62.20	62.70	63.10	63.20	63.15	62.33
62.03	61.29	61.08	**61.03**	61.28	61.73	62.42	62.85	63.40	63.70	63.50	63.45	62.74
62.61	62	61.68	**61.62**	61.74	61.95	62.01	62.60	63	63	63	63	62.97
62.47	61.98	**61.74**	62.04	62.37	62.68	63.15	63.65	63.75	63.70	63.70	63.60	63.03
63.29	62.73	**62.67**	62.70	63.23	63.49	63.87	64.10	64.50	64.30	64.15	63.95	63.72
63.53	63.09	**62.69**	62.95	63	63.44	63.55	64	64.05	64.20	64.05	63.95	63.90
63.53	**62.90**	63.02	63.02	63.19	63.43	63.76	64.15	64.55	64.60	64.55	64.40	**64.06**
62.74	62.09	**61.72**	61.85	61.97	62.55	62.88	63.25	63.95	64	63.85	63.75	63.55
61.84	61.13	**60.81**	60.87	61.01	61.45	61.92	62.35	62.55	62.80	62.85	62.80	62.73
61.51	60.64	59.94	**59.83**	59.84	60.23	60.67	61.05	61.25	61.40	61.65	61.50	61.81
61.41	60.67	60.47	**60.41**	60.71	60.93	61.25	61.60	61.95	62.10	62.40	62.25	61.71
60.22	59.24	**58.87**	59.04	59.64	60.09	60.29	60.85	61.45	61.50	61.30	61.20	61.05
59.09	58.34	**57.94**	58.09	58.30	58.67	59.19	59.65	60.20	60.55	60.50	60.40	60.05
59.16	58.43	57.93	**57.79**	58.05	58.23	58.87	59.55	60.10	60.55	60.70	60.55	59.80
59.05	58.52	58.11	**57.93**	58.50	59.01	59.77	60.40	60.75	60.95	60.95	60.95	59.93
59.37	58.77	**58.60**	58.65	58.90	59.11	59.42	59.70	60.35	60.65	60.60	60.55	60.11
59.61	58.75	**58.32**	58.40	58.47	58.83	59.45	59.95	60.35	60.60	61	60.90	60.12
60.53	59.90	59.44	**59.23**	59.43	59.77	60.35	60.95	61.40	61.50	61.75	61.65	60.70
61.46	60.71	**60.36**	**60.36**	60.60	61.18	61.67	62.30	62.80	62.85	62.90	62.85	61.84
61.07	60.72	**60.54**	60.66	60.98	61.45	62.10	62.70	62.95	**63.10**	63.05	62.95	62.12
61.39	60.85	60.28	**60.12**	60.34	60.56	60.99	61.40	61.70	62.05	62.10	61.95	61.77
60.88	60.07	59.59	**59.44**	59.62	59.88	60.25	60.70	61.35	61.95	62.05	61.75	61.33
60.31	59.59	**59.33**	59.42	59.42	59.93	60.18	60.45	60.85	60.80	60.85	60.90	60.91
59.34	58.71	58.37	**58.31**	58.58	58.86	59.37	59.80	60.05	60.30	60.65	60.60	60.07
59.85	59.18	**58.77**	58.81	59.15	59.65	60.20	60.50	60.85	60.80	60.70	60.45	60.46
59.49	58.73	**58.42**	58.81	59.10	59.71	60.19	60.75	61.15	61.50	61.35	61.10	60.36
59.48	58.70	58.25	**58.11**	58.50	58.97	59.53	60.10	60.45	60.50	60.45	60.10	59.95
58.71	57.66	**57.22**	57.36	57.75	58.08	58.79	59.40	60.10	60.20	60.40	60.30	**59.51**
59.41	58.34	**57.99**	58	58.33	58.61	59.08	59.70	60.10	60.40	60.40	60.20	59.73
60.86	60.17	**59.82**	59.84	60.10	60.47	60.92	61.40	61.81	61.99	62.02	61.90	61.46

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
29.1	29.3	**30**	**30**	28.4	26.5	25.9	25.3	24.8	25	24	23.4	25.4
28.4	28.7	29	**29.2**	28.2	26.8	26.1	24.6	23.7	23.3	22.7	22.7	25.2
25.9	25.3	25.5	**26.1**	25.8	24.1	23.5	22.5	22.9	22.5	22.2	21.5	23.1
29.8	28.7	**29.9**	24.8	25.3	25.3	25.6	24.7	24.3	23.4	23.2	22.6	24.1
25	25.2	25.8	24.7	24.2	23.9	23.8	23.5	23.4	23	22.4	22.2	23.8
25.1	24.4	24.5	24.5	24.9	24.2	23.8	23.9	23.5	23.4	22.2	**21.4**	23.7
24.4	**26.8**	23.9	25.3	25	23.5	22.8	22.4	22.4	22.2	22	21.8	**22.9**
26.9	27.3	**27.7**	27.6	27.5	25.6	24.6	23.6	22.9	23.4	22.7	22.1	24.2
28.7	29.5	**30.2**	29.1	27.6	26.7	25.3	24.3	24	23.2	22.5	21.1	24.3
29.5	30.4	**31.5**	30.3	28.6	26.8	25.7	24.7	24.1	23.8	23.4	22.2	24.3
29.1	30	30.4	**30.6**	28.7	26.7	25.7	24.7	24.2	23.4	22.3	22	24.4
29.6	**31.5**	31.1	30.3	28.3	26.5	24.9	23.9	23.3	23	23.3	22.7	24.6
31.1	**31.6**	**31.6**	30.5	29.3	26.9	25.1	24.4	23.7	23.5	22.9	22.4	25.1
29.3	30.3	30.7	**30.8**	29.7	27.1	26	25.4	24.4	23.5	22.4	22	24.7
29.7	30.5	**31.9**	31.1	29.8	27.5	26.9	25.9	25	25.1	24.3	23.6	25.3
30.5	**30.5**	29.9	29.2	26.9	25.8	25.3	25	25	24.4	23.8	23.6	25.7
30.3	31	**32.2**	31.7	31.7	29.5	28	27.2	26.8	26	26.8	25.9	27
29.1	**31.7**	28.7	30.9	30.1	27.7	26.6	25.9	25.6	25.1	24.4	24.3	26.2
29.2	30.1	30.7	**31.2**	29.4	27.1	26	25.1	25.5	24.2	24.1	**23.1**	26.5
30.3	**30.4**	30.2	29.7	28.1	26.4	25.6	25.2	24.4	24.3	24	23.3	25.7
28	27.5	**30**	28	27.2	27	26.4	26.1	25.4	25.2	25.3	25	25.7
33	33.2	**33.4**	33.2	31.7	29.6	27.7	26.8	26.1	25.4	24.5	24.3	**27.4**
29.4	30.2	**31.5**	30.6	30	28.2	25.9	25.4	25.1	24.7	24.3	22.8	25.9
29.5	32.4	**32.8**	32.3	30.6	28.3	26.6	25.4	24.5	24	23.4	22.6	25.8
32.5	32.1	32.1	31.5	30	28.1	26.4	25.6	24.9	23.7	23.7	23.2	26.2
31.7	**32.1**	31.8	30.8	30.2	27.7	26.4	25.4	24.6	23.4	23.5	23.2	26.2
31.7	**32.6**	32.5	31.4	30.2	27.6	26.8	26.7	26.3	26.2	25.4	23.9	27.2
32.4	**32.7**	32.3	31.4	30.2	28.7	27.5	26.6	26	25.3	24.3	23.5	27
32.4	32.4	32.2	31.5	30	27.9	26.7	25.9	25.8	25.1	24.6	24	26.4
29.4	29.9	**30.1**	29.6	28.5	26.8	25.8	25	24.6	24.1	23.6	23	25.3

RELATIVE HUMIDITY (%).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	80	85	88	91	90	**94**	93	78	**71**	73	70	64
2	85	86	88	**89**	88	**89**	86	81	76	68	61	**60**
3	78.5	79	85	92	**94**	**94**	91	84	84	82	72	73
4	87	86	90	88.5	90	90	**91**	81	69	71	63	**56**
5	90	93	93	**94**	95	96	94	87	78	77	**75**	82
6	**96**	**96**	**96**	**96**	93	**96**	95	83	81	**69**	73	79
7	94	93	**95**	92	91	91	92	84	73	70	**68**	73
8	89	91	92	92	**93**	**93**	91	81	73	69	70.5	65
9	94	94	98	**99**	97	96	94	78	72	69	61.5	59
10	87	92	94	**96**	95	95	93	82	68	60	61	58
11	86	86	86	89	89	**94**	93	72	64	63	61	60
12	86	90	91	94	93	**98**	92	73.5	61.5	65.5	65	57
13	72	71	79	81	83	83.5	**85**	81	67	64.5	66	64
14	77.5	77	77	78	80	80	**82**	76	63	62	59	60
15	81	85	87	88.5	**89**	**89**	87	66	67	65	59	58
16	88	88	90	90	92	**94**	93	76	73	66	62	62
17	94	93	95	**97**	96	**97**	96	87	83	76	70	68
18	80	82	85	90	**94**	93	93	84	75	77	75	76
19	85	88	88	86	88	**90**	**90**	70	60.5	54.5	54	52
20	71	77	75	79.5	80	**81**	76	64	56	52	48	47
21	79	79	80	79	81	**82**	79	70	61	61	69	71
22	85	89	89	92	**93**	**93**	91	69	55	51	49	45
23	81	83	84	88	**91**	**91**	87	79	67	70	67	59
24	79	86	86	87	**90**	87	83	67	67	70	76	71
25	80	83	85	89	93	**96**	89	69	54	45.5	44	43
26	74	**78**	77.5	77	75	77	76	62	47	45	**42**	44
27	73	71	75	**78**	77	77	75	56	50.5	45	44	44
28	77	83	83	89	88	**91**	87	72	57	53	48	46
29	78	78.5	**82**	80	81	80	77	66	48	46	45	**39**
Mean	83	84.9	86.7	88.3	88.9	**89.9**	88	75.1	66.3	63.4	61.3	59.8

VAPOR PRESSURE (mm).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	17.6	17.3	17.2	17.2	**17**	17.1	17.1	18.7	18.5	19.2	**19.4**	18.6
2	17.7	17.7	17.7	17.8	17.7	17.9	17.8	17.9	17.9	18	18.1	18.2
3	16.2	16.1	16	16.4	16.5	16.4	16.5	16.1	17.1	17.3	17.8	**18**
4	15.4	15.2	15.5	**14.9**	15	15	15.8	17	17.3	17.5	17.8	17.1
5	18.8	18.7	18.6	18.6	18.6	18.5	**18.4**	**18.4**	19.5	18.9	20.2	19.4
6	18.8	18.8	19	19.4	19	18.9	18.6	18.2	18.2	18.2	19	**19.8**
7	17	16.4	**16.1**	**16.1**	16.2	16.4	16.7	17.3	17.2	17.9	17.2	17.4
8	17.2	17.5	17.7	17.7	17.6	17.4	17.7	17.7	17.3	17.8	**17**	17.7
9	17.9	17.7	17.5	16.8	16.4	**15.6**	**15.6**	16.7	17.1	**18**	16.8	16.9
10	15.8	15.7	15.5	15.4	14.8	**14.6**	14.7	16.1	16.5	15.5	16.5	16.5
11	16	15.2	14.8	14.9	**14.7**	14.9	14.9	15.6	16.5	16.6	16.6	16.6
12	16.2	16.1	15.7	15.8	15.4	15.5	15.3	16.2	16.8	17.7	**17.8**	16.5
13	14.5	14.1	14.1	14	14.9	15.6	16.2	17.1	16.6	16.9	18.1	**18.2**
14	14.5	13.6	13.6	13.4	13.5	**13.3**	13.5	15.7	15.9	16.9	16.5	16.9
15	15.9	15.9	15.6	14.9	14.8	**14.5**	14.7	15	16.9	17.2	17.3	17.7
16	19	19	18.8	18.3	18.2	18.1	**18**	18.2	18.7	18.7	18.7	19.7
17	20.2	20.2	20.1	19.7	19.4	19.5	19.7	21	**22.2**	21.6	21.2	20.8
18	18.9	18.8	18.9	19	19.1	18.8	19.5	19.8	**20.7**	20.3	20.3	20.3
19	18.8	18.9	18.8	**19.2**	18.9	18.8	**19.2**	17.8	16.9	16.7	17.7	17.3
20	14.9	15.3	15.1	15.2	15.1	15	15.4	15.5	15.8	14.9	15.3	14.7
21	16.6	**16.5**	**16.5**	16.6	16.8	16.9	17.1	16.9	16.6	17.1	18	18.4
22	18.5	18	18.3	18.2	17.9	18.2	**19**	**19**	16.8	16.4	16.3	16.2
23	17.6	17.5	17.4	17.6	17.4	17	16.7	18.1	18	18.7	19.1	18.1
24	16.2	16.5	16.4	16.3	16.8	16.8	17.3	16.6	17.5	18.7	**19.2**	19.1
25	**16.4**	16	16	15.8	15.9	15.8	15.6	16.2	16.1	15.1	15.4	15.6
26	14.8	15.2	14.5	13.7	**13.3**	13.6	14.5	**16.1**	14.4	14.7	14.5	15.3
27	16	15.5	15.8	15.8	16	15.8	15.9	14.8	15.7	15	**14.6**	15
28	16.9	17.2	**18.1**	17.6	17.3	17	17.6	17.9	17.2	17.2	16.6	16.7
29	15.4	15	14.8	13.9	14	**13.5**	14.3	16	14.8	15	15.9	14.4
Mean	16.9	16.7	16.7	16.6	16.5	**16.4**	16.7	17.2	17.3	17.4	17.5	17.5

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
60	57	**55.5**	**55.5**	64	74	75	78	81	78	81	83	75.8
68	66	64	66	68	74.5	65	70	74	75	79	79	75.2
70	71	71	**69**	71	78	81	86	82	79	80	85	80.5
56.5	59	57	87	83.5	82	79	83	85	87	88	**91**	79.2
83	85	83	88	91	92	94	95	94	95	96	**97**	**89.5**
80	87	87	86	83	86	84	80	81	80	88	91	86.1
79	69	83	80	83	92	92	92	88	85	86	87	84.7
69	65.5	65	**64**	**64**	71	75	80	83	83	87	91	79
54	55	**50**	58	60	61	69	73	74	78	80	87	75.4
59	55	**49**	51	59	64	69	72	76	73	75	81	73.5
60	55	57	**48**	56	64	69	72	73	77	81	83	72.4
56	48	46	**44**	50	55	60	66	70	70.5	67	71	69.6
50	46	**44**	48	47	54.5	64	62.5	64	64	67	70	65.8
55.5	54	52	**47**	52	62	68	68	71	76	81.5	80	68.3
58	58	**53**	**53**	58	69	69.5	74	79.5	79	85	88	72.7
61	63	67	70	78	83	85	86	87	91	93	93	80.5
66	63	**57**	57.5	58	63	69.5	73	75	80	75	76	77.7
65.5	**55**	69	56	57.5	67	70	75	76	78	83	84	76.7
57	55	54	50	**47**	55	60	65	62	68	69	72	67.5
44	**43**	45	47	50	57	63	66	70	71	71	76	62.9
67	70	**59**	69	72	68	72	73	78	78	77	79	73
42	40	**39**	40	44	53	61	65	68	69	75	77	65.6
63	59	**58**	**58**	59	60	72	72	73	72	74	82	72.9
62	48	**44**	45	47	58	64	70.5	73	76	80	82	70.8
42	**41**	**41**	**41**	46	52	60	61	65	69	67	71	63.6
46	45	46	49	45	54	57	60.5	66	74	74	76	**61.1**
44	**43**	**43**	48	52	63	65	66	67	68	71	78	61.4
45	**44**	**44**	44.5	47	52.5	58	62	63	62	68	72	64
40	41	40	43	53	60	64	68	67	69	71	73	62.1
58.7	56.6	**55.9**	57.3	60.2	66.4	70.1	72.9	74.7	76	78.3	81.2	72.7

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
18	17.4	17.5	17.5	18.5	19.1	18.5	18.7	18.8	18.3	17.9	17.7	18
19.5	19.3	19.1	**19.8**	19.4	19.5	16.4	**16.1**	16.2	**16.1**	16.2	16.2	17.8
17.4	17.1	17.1	17.5	17.5	17.5	17.5	17.4	17	16	**15.9**	16.1	16.8
17.6	17.4	17.9	**20.3**	20	19.6	19.3	19.1	19.1	18.6	18.6	18.6	17.5
19.4	20.3	20.5	20.4	20.5	20.3	**20.6**	20.4	20.1	19.8	19.4	19.3	19.5
19	19.7	**19.8**	19.6	19.5	19.4	18.4	17.6	17.5	**17.2**	17.6	**17.2**	18.7
18	18.2	18.3	19.1	19.7	**19.8**	19	18.5	17.6	16.9	16.9	16.8	17.5
18.1	17.7	18	17.7	17.4	17.4	17.3	17.3	17.1	17.7	17.8	18	17.6
16	16.9	16.1	17.3	16.6	15.9	16.6	16.5	16.5	16.5	16.2	16.2	16.7
18.2	17.6	16.9	16.4	17.1	16.7	16.8	16.6	16.9	16.1	16	16	16.2
17.9	17.3	**18.4**	15.6	16.4	16.6	16.8	16.7	16.4	16.5	16.3	16.3	16.2
17.4	16.6	15.3	**14**	14.4	14.3	14.2	14.5	14.9	14.7	14.2	14.6	15.6
16.8	16	15.2	15.5	14.3	14.3	15.1	14.2	14	**13.8**	14	14.1	15.3
16.8	**17.3**	17.1	15.5	16.2	16.5	17	16.3	16.1	16.3	16.4	15.7	15.6
18.1	19	18.6	17.8	18	18.9	18.3	18.4	18.7	18.6	**19.1**	19	17.2
19.7	20.6	**21.1**	**21.1**	20.6	20.5	20.4	20.2	20.4	20.6	20.4	20.1	19.5
21.2	21.1	20.3	20	20.2	19.3	19.5	19.6	19.7	20	19.7	**18.9**	**20.2**
19.6	19.2	20.1	18.5	18.2	18.5	**18.1**	18.5	18.5	18.5	18.9	19	19.2
17.2	17.4	17.8	17	**14.4**	14.6	14.9	15.3	15	15.3	15.4	15.2	17
14	**13.9**	14.3	14.6	14.1	14.7	15.3	15.6	15.9	15.9	15.8	**16.2**	15.1
18.7	19	18.6	**19.3**	19.2	18.1	18.4	18.4	18.8	18.6	18.4	18.5	17.8
15.9	15	**14.8**	15	15.3	16.4	16.9	17.1	17.1	16.7	17.2	17.3	17
19.2	18.9	**19.9**	18.9	18.6	17.1	17.8	17.4	17.2	16.7	**16.6**	16.9	17.8
19	17.4	16.4	16.1	**15.5**	16.5	16.6	17	16.7	16.8	17	16.6	17
15.2	14.5	14.5	**14.2**	14.4	14.8	15.3	14.8	15.2	15.1	14.6	14.9	15.3
16.1	16	16	**16.1**	14.4	14.9	14.7	14.6	15.1	15.8	15.9	**16.1**	**15**
15.3	15.7	15.8	16.5	16.5	**17.3**	17.1	17.1	17	17.2	17.2	17.2	16.1
16.2	16.2	15.7	15.1	15.1	15.3	15.9	16.1	15.8	**14.8**	15.4	15.4	16.4
14.5	14.7	14.3	14.9	16.6	16.8	16.6	**16.9**	16.6	16.3	16.3	16.1	15.3
17.6	17.5	17.4	17.3	17.2	17.3	17.2	17.1	17.1	16.9	16.9	16.9	17.1

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	A.-Cu.	ENE	A.-Cu.	ENE	Ci.							
2	A.-Cu.				A.-Cu.							
3												
4												
5	Ci.-S.											
6	A.-Cu.		A.-Cu.									
7	A.-Cu.		A.-Cu.									
8	A.-Cu.				A.-Cu.							
9	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
10	Ci.		A.-Cu.		Ci.							
11												
12												
13												
14	Ci.		Ci.									
15	Ci.		Ci.		Ci.	WNW	Ci.	WNW	Ci.		Ci.	
16	A.-Cu.		A.-Cu.		Ci.		Ci.					
17	A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.					
18	Ci.				A.-Cu.							
19												
20			Ci.		A.-Cu.	SSE	A.-Cu.		A.-Cu.			
21			A.-Cu.		A.-Cu.							
22	A.-Cu.	SE	A.-Cu.									
23	A.-Cu.		A.-Cu.		Ci.-S.							
24												
25	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
26			Ci.									
27												
28												
29	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Cu.		Cu.		Cu.		Cu.		Fr.-Cu.	E	Cu.	E
2	S.-Cu.		S.-Cu.		S.-Cu.	NE	N.-cf.	NE	Cu.	NE	Cu.	NE
3	Cu.-N.		Cu.-N.	ENE	Cu.-N.	ENE	Fr.-N.		S.-Cu.		N.-cf.	
4	Fr.-Cu.		S.-Cu.		S.-Cu.	ENE	S.-Cu.	ENE	S.-Cu.	ENE	S.-Cu.	ENE
5	S.-Cu.	E	Cu.	E	Cu.		Cu.-N.	E	Cu.-N.	E	Cu.-N.	
6	S.-Cu.	E	S.-Cu.	E	Fr.-N.		Cu.	E	Cu.-N.	E	Cu.-N.	E
7	S.-Cu.		Cu.	E	Fr.-N.	E	Cu.-N.	E	Fr.-N.		N.	
8	S.-Cu.	E	S.-Cu.	E	Cu.	E	Cu.		N.-cf.	E	N.-cf.	E
9	S.-Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E
10	S.-Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
11	S.				Cu.		Cu.		Cu.		Cu.	
12	Cu.		Cu.		Cu.		Fr.-Cu.	E	Cu.	E	Cu.	
13	S.-Cu.		S.-Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	E
14	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
15	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
16	Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E	N.-cf.	E
17	S.-Cu.		S.-Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	
18	Cu.		Cu.		Cu.	ENE	Cu.	ENE	Cu.	ENE	Cu.	ENE
19	Cu.		Cu.		Cu.		Cu.	EbyN	Cu.	EbyN	Cu.	EbyN
20	Cu.		Cu.		Cu.		Cu.		Cu.	NE	Cu.	NE
21	Fr.-N.	ESE	Fr.-N.	ESE	S.-Cu.	ESE	N.-cf.	ESE	N.-cf.		N.-cf.	
22	Cu.		Cu.		Fr.-Cu.	ESE	Cu.		Cu.		Cu.	
23	Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	
24	S.-Cu.	EbyS	S.-Cu.	EbyS	S.-Cu.	EbyS	S.-Cu.		N.-cf.		N.-cf.	
25	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	
26	Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	
27	Cu.		Cu.		Cu.		Fr.-Cu.	EbyS	Cu.	E	Cu.	
28	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	
29	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
				A.-Cu.	NE						
						A.-Cu.	E	A.-Cu.	E	Ci.-S.	
A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.	
		A.-Cu.									
						A.-Cu.		A.-Cu.			
										Ci.	
Ci.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
								A.-Cu.		A.-Cu.	
								A.-Cu.			
								Ci.		Ci.	
Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
								A.-Cu.		Ci.	
		A.-Cu.						A.-Cu.			
								A.-Cu.			
										Ci.-S.	
		Ci.				Ci.-S.		Ci.-Cu.		Ci.-S.	
Ci.				Ci.		Ci.		Ci.		Ci.	
										Ci.	

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.	NE	Fr.-Cu.	NE	N.	
N.-cf.	ENE	Fr.-N.	ENE	Cu.-N.		S.-Cu.		S.-Cu.		S.-Cu.	
Cu.-N.	ENE	S.-Cu.	ENE	S.-Cu.		Cu.-N.		S.-Cu.		S.-Cu.	
N.		N.		Fr.-N.	ESE	Fr.-N.	ESE	N.	ESE	N.	ESE
N.	E	N.	E	N.		Cu.-N.	E	Cu.-N.	E	Cu.-N.	
Cu.-N.	E	Cu.-N.	E	N.	E	Cu.-N.		Cu.-N.		Cu.-N.	
N.-cf.	E	Cu.-N.		Cu.-N.		N.-cf.		N.-cf.		Cu.-N.	
Cu.	E	Fr.-Cu.	E	Cu.	E	Cu.	E	S.-Cu.		S.-Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.	E	Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.	NE	Cu.	NE	Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	
Cu.		Cu.	E	Cu.-N.	E	Cu.-N.	E	Cu.		Cu.	
Cu.		Cu.	ESE	Cu.		Cu.	ESE	Cu.	EbyS	Cu.	
Cu.-N.		Cu.	ENE	Cu.	ENE	Cu.	ENE	Cu.		Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
N.-cf.	NE	N.-cf.	NE	Cu.-N.	NE	Cu.-N.		Cu.-N.		Cu.-N.	NE
N.-cf.	E	N.-cf.	E	N.-cf.	E	N.-cf.	E	Cu.-N.		N.-cf.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.	E	Cu.	EbyN	Cu.	E	Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
S.-Cu.		Cu.	EbyS	Cu.	EbyS	S.-Cu.		S.-Cu.			
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	Calm		Calm		Calm		NE	0.5	Calm		Calm	
2	NNW	4.5	NNW	3.5	N	2.5	NNE	3	N	4	NE	3
3	N	8.5	N	7	NNE	7	NbyE	7	NNE	4	NNE	4
4	E	1	NNE	2	NE	2	E	1	ENE	1.5	NNE	.5
5	Calm		ENE	1.5	ENE	.5	E	1	NNE	2.5	Calm	
6	Calm		Calm		Calm		Calm		NNW	2	Calm	
7	Calm		N	.5	Calm		Calm		Calm		Calm	
8	Calm		Calm		Calm		Calm		Calm		Calm	
9	Calm		Calm		Calm		Calm		NE	1	Calm	
10	Calm		Calm		Calm		Calm		Calm		Calm	
11	Calm		Calm		Calm		Calm		Calm		Calm	
12	Calm		Calm		Calm		Calm		Calm		Calm	
13	E	3.5	E	2.5	Calm		Calm		Calm		Calm	
14	SE	1	NNE	1.5	NNE	1.5	NNE	1.5	NNE	2	Calm	
15	Calm		Calm		Calm		Calm		Calm		Calm	
16	Calm		Calm		Calm		Calm		Calm		Calm	
17	Calm		Calm		Calm		Calm		Calm		Calm	
18	N	2	N	2	N	.5	Calm		Calm		Calm	
19	Calm		Calm		Calm		Calm		Calm		Calm	
20	Calm		Calm		Calm		E	1	Calm		Calm	
21	Calm		Calm		Calm		Calm		Calm		Calm	
22	Calm		NNE	1	Calm		Calm		Calm		Calm	
23	N	3	N	4	N	1.5	NE	1	NE	.5	Calm	
24	SE	1	SE	.5	SE	1	SE	1	SE	1	NNE	.5
25	SE	1	EbyS	2.5	EbyS	2	EbyS	1.5	EbyS	1	Calm	
26	E	2	E	1.5	NE	1.5	NE	1.5	NE	2.5	NE	1
27	SEbyE	3	ESE	3	ESE	3	ESE	2.5	SE	2.5	ESE	3
28	Calm		SE	.5	Calm		Calm		N	.5	Calm	
29	Calm		Calm		SE	1	SE	1	ENE	1.5	Calm	
Mean		1.1		1.2		0.8		0.8		0.9		0.4

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	W	2.5	W	3.5	W	3	WSW	1	WSW	0.5	SW	2.5
2	WSW	5	WSW	5	WSW	3.5	WSW	.5	S	.5	WSW	2.5
3	NW	1.5	W	.5	Calm		Calm		Calm		Calm	
4	NE	2	NbyW	1.5	SE	1.5	Calm		Calm		Calm	
5	NW	3	WNW	.5	NW	.5	NW	4	Calm		Calm	
6	NNW	3.5	Calm		Calm		Calm		NNW	.5	ENE	2
7	Calm		Calm		E	5	Calm		Calm		Calm	
8	N	3	Calm		Calm		Calm		ESE	1.5	ESE	3.5
9	WbyN	3	W	2	SSE	8	SSE	8	SE	6	ESE	2
10	WSW	2	WSW	3.5	SEbyS	4.5	SSE	8.5	SSE	6.5	SE	6.5
11	WSW	2.5	W	3	Calm		SSE	4.5	SE	2	SE	2.5
12	WSW	1.5	SE	2.5	Calm		E	4	E	6.5	E	1.5
13	SSE	6.5	SE	4	ESE	3	SSE	5	SSE	3	SE	1.5
14	W	4	WNW	4	W	1	SE	3	SE	2.5	ESE	3
15	NW	2	Calm		SSE	5	SE	11	SE	7	ESE	1
16	W	3.5	WSW	1.5	WSW	.5	ENE	2	ENE	2	Calm	
17	W	2.5	Calm		NNE	1.5	NE	1	ESE	1.5	SE	4
18	Calm		NE	1	Calm		ENE	1.5	NE	4	ENE	2
19	WSW	2.5	WSW	2.5	NE	5	ENE	3	ESE	1	ESE	2
20	E	11	E	6	E	7.5	ENE	6.5	NE	4.5	NEbyE	1.5
21	NNW	3	NW	2	E	6	Calm		ESE	1	E	1.5
22	SE	4	SSE	3	SSE	6	SSE	4	SE	1.5	SE	1
23	WNW	2	WSW	4	SW	2	SE	6	SSE	3	ESE	2
24	SSW	2	ESE	6.5	ESE	2.5	ESE	3.5	ESE	2	ESE	1.5
25	SE	5	SEbyS	9.5	SE	4.5	SE	6.5	SE	6	EbyS	2.5
26	SEbyE	5	SSE	6	SSE	3.5	SE	5	SE	3.5	SE	1.5
27	ESE	4.5	SE	6.5	ESE	8.5	SE	7.5	SE	5.5	SE	6
28	SE	4	SSE	6.5	SSE	5	SSE	8	SE	4	SEbyE	4
29	SEbyE	7.5	SE	6.5	SE	7	ESE	6.5	SE	3.5	SE	4.5
Mean		3.4		3.2		3.3		3.8		2.7		2.2

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
Calm		Calm		Calm		W	2.5	WNW	2	W	3
N	2.5	NNE	2	NNE	2	NNW	5	NW	5	W	4
N	2	NNE	.5	NNW	5	NNW	4.5	N	2.5	NW	4.5
Calm		N	4	N	1	NW	2.5	NW	4.5	NE	4
NNE	2	NNE	1.5	Calm		NW	.5	W	2	WbyS	1.5
Calm		Calm		Calm		Calm		Calm		WNW	1.5
Calm		Calm		Calm		Calm		Calm		Calm	
Calm		Calm		SE	1	SW	1.5	Calm		Calm	
Calm		Calm		NNW	2	WNW	1.5	WNW	4	W	4
Calm		Calm		Calm		WNW	2	WNW	1	W	1.5
Calm		Calm		Calm		WNW	2	WbyN	1.5	WSW	2.5
Calm		Calm		Calm		WNW	4	WNW	4	W	3
Calm		Calm		WNW	1.5	NW	2.5	WSW	5.5	WSW	3.5
Calm		Calm		Calm		WSW	3	W	3	W	5.5
Calm		Calm		Calm		WSW	2	WSW	2.5	W	2
Calm		Calm		SSW	1.5	WNW	1.5	W	4	W	3
Calm		Calm		Calm		SSE	2	W	2	WSW	5
Calm		Calm		W	1	W	3	WNW	3.5	Calm	
Calm		Calm		SSW	2	Calm		NW	1.5	WSW	.5
Calm		Calm		WSW	2	Calm		Calm		ENE	3.5
Calm		NNE	3.5	NE	1	Calm		W	2.5	W	1.5
Calm		Calm		ESE	4	ESE	1.5	SEbyS	4.5	SE	6
Calm		Calm		Calm		WSW	3.5	W	3.5	WSW	2.5
Calm		Calm		WNW	1.5	WNW	2	NW	1	WbyN	2
Calm		Calm		E	3.5	SE	5	E	1	ESE	4
NE	.5	E	2.5	SE	3.5	ENE	2	SE	7.5	SE	7.5
Calm		ESE	2	E	2.5	ESE	4.5	ESE	8.5	ESE	4
Calm		Calm		Calm		SE	4	SE	2	SEbyE	2.5
Calm		E	1	EbyS	6.5	ENE	2	W	1	SE	7
	0.2		0.6		1.4		2.2		2.8		3.1

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		Midnight.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
SSW	4	SSE	0.5	SSE	0.5	NNW	2.5	NbyW	4	NbyW	5	1.6
N	10	NbyW	8	N	9	N	9	N	10	N	5.5	4.6
Calm		Calm		NNE	.5	NNE	3	NNE	3	NE	2	2.8
NEbyN	.5	NEbyN	.5	Calm		Calm		Calm		Calm		1.2
Calm		Calm		Calm		Calm		Calm		Calm		.9
ESE	2	E	.5	E	1.5	Calm		Calm		Calm		.6
Calm		Calm		E	.5	E	1.5	ESE	1.5	NNE	.5	.4
ESE	3.5	SE	2	SE	1	SE	2	SE	1.5	Calm		.9
SE	1.5	SE	1	SE	1.5	SE	1.5	Calm		Calm		2
SSE	2	SE	1.5	SE	1.5	SE	2	SE	2	Calm		1.9
SSE	1	SSE	1	SE	1	SE	1	N	1	Calm		1.1
ESE	2	E	2	E	2	NE	2	SE	2.5	SE	3.5	1.7
ESE	1.5	SE	1.5	SE	1.5	SE	1.5	SE	1	SE	.5	2.1
SE	2.5	SE	1.5	SE	1	SE	1	Calm		Calm		1.8
ESE	2	E	.5	Calm		E	.5	Calm		Calm		1.5
Calm		SE	1	SE	1	Calm		Calm		Calm		.9
SE	3	SE	1.5	SE	1.5	Calm		NW	1	NW	3	1.2
SE	2	SE	2.5	SE	2.5	E	2	Calm		SE	.5	1.2
Calm		E	1	E	1.5	Calm		Calm		Calm		.9
Calm		NE	1.5	NE	1.5	NE	1	NE	1.5	Calm		2
Calm		SE	1.5	SE	1.5	SE	1.5	E	2	E	1.5	1.2
SE	3	SE	2.5	SE	1.5	N	3	N	3.5	N	4.5	2.3
ESE	3	SE	2.5	SE	2.5	SE	2.5	SE	1.5	SE	1	2.1
ESE	1.5	SE	.5	Calm		Calm		SEbyE	1	SEbyE	1	1.4
SE	2	SEbyE	5	SE	3	SE	1.5	SE	2.5	SE	2.5	3
SE	1	ESE	2.5	SEbyE	2.5	ESE	2	ESE	2	ESE	2	2.9
SEbyS	3	ESE	4	E	4.5	NE	2.5	Calm		Calm		3.8
ESE	1	ESE	1.5	ESE	1.5	SEbyE	2	Calm		SE	1.5	2
SE	1	SE	2	ESE	2.5	SE	1.5	SE	2	SE	2	2.8
	1.8		1.7		1.7		1.6		1.5		1.3	1.8

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	2.5	1.5	1	0	2	0	1	1	3	8	16	13.5
2	18	13	11	7.5	11.5	14	11.5	17.5	17	16	15	19
3	21.5	22.5	26	**29**	20.5	16.5	19.5	7	8.5	12	14.5	14
4	3.5	2	5.5	4	1.5	3	3.5	9.5	13.5	7.5	10.5	**17.5**
5	2	2	3.5	3	5.5	8	7.5	6.5	5	6	**9.5**	**9.5**
6	0	0	0	.5	2	3	3.5	4.5	4	2	6	8.5
7	0	3.5	2.5	1.5	2.5	.5	0	1.5	1.5	2.5	3	6
8	1	0	0	0	.5	0	0	0	1	4.5	8.5	4.5
9	0	.5	0	1	2.5	2.5	1.5	1	2	8.5	13	11
10	3.5	.5	0	.5	.5	.5	1.5	.5	1	7	13	13
11	1.5	.5	0	0	0	0	0	.5	2	6	12	15
12	.5	0	0	1.5	1	.5	.5	.5	1	7.5	**17**	16
13	13.5	10	5.5	1.5	2	4	3	2.5	8	9.5	17	13.5
14	3.5	6.5	8.5	7.5	8	7	3	0	4	5	16	15
15	2.5	3	3	1	1	1	1	4	3	8	14	16
16	1	1.5	.5	1	1	.5	0	0	4.5	6.5	**14.5**	13
17	0	.5	.5	0	.5	.5	1	0	1.5	2	11.5	13
18	8	7	5.5	1	0	1	3	3	2	6.5	12.5	5.5
19	2	1.5	1	1.5	1	.5	.5	1.5	5	7.5	8	12
20	1	3	4	4.5	2.5	2	2	0	4	7	3.5	17.5
21	1	0	0	1	0	1.5	5	12.5	10	4	9	9.5
22	3	1.5	4.5	0	0	0	.5	1	9.5	16.5	20	15
23	11.5	14	11.5	6.5	4.5	3	6.5	6.5	4	6.5	13	12
24	2.5	1.5	4	4	3	5	4	1.5	2.5	8	14	7
25	8	9.5	5.5	3.5	3.5	2.5	5	4.5	5.5	16	18	14
26	7	6	6	5	8	12	9	7	14	15	18	21
27	11	15	13	9	14	13	9	5	13	18	**28**	23
28	1	1	5	1	5	3	2.5	3	5	13.5	15	16
29	2	.5	3	3.5	5.5	6.5	5	4	13	15	9	13
Mean	4.6	4.4	4.5	**3.4**	3.8	3.8	3.8	3.7	5.8	8.7	13.1	13.2

AMOUNT OF CLOUDS (0–10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	3	3	1	3	3	3	2	2	3	2	1	1	2.2	9 45
2	9	10	9	9	5	0	2	2	2	1	2	8	4.9	7 05
3	10	10	10	10	8	9	8	10	10	8	5	9	8.9	1 15
4	1	2	3	7	7	7	8	8	6	9	6	9	6.1	5 10
5	8	3	5	10	8	10	10	10	10	10	10	10	8.7	2 50
6	9	9	10	7	10	9	10	10	10	7	7	10	9	2 00
7	7	8	10	10	10	10	8	10	10	7	10	10	9.2	2 15
8	9	10	9	6	10	10	8	10	10	10	10	10	9.3	2 25
9	3	4	3	4	4	5	3	3	4	6	8	8	4.6	9 00
10	1	2	0	0	0	1	3	2	2	2	1	0	**1.2**	9 40
11	3	0	0	0	0	2	2	1	2	3	4	3	1.7	9 45
12	1	1	1	2	3	3	8	4	4	4	2	2	2.9	8 30
13	10	10	5	5	4	5	4	2	1	2	1	1	4.2	8 40
14	1	1	2	2	2	3	3	3	2	3	4	5	2.6	9 45
15	4	4	7	5	4	3	8	7	6	7	4	5	5.3	9 40
16	3	3	7	7	7	4	6	9	10	10	5	8	6.6	6 45
17	9	6	9	8	5	5	6	7	7	5	6	6	6.6	8 15
18	2	3	6	8	10	9	10	5	6	8	3	1	5.9	6 00
19	3	2	2	3	4	7	6	7	6	4	2	1	3.9	6 20
20	2	3	8	9	10	10	10	9	10	8	10	10	8.2	3 35
21	9	10	10	10	10	10	10	10	10	10	10	10	**9.9**	**0 30**
22	8	6	2	1	2	2	2	2	2	1	1	1	2.5	9 55
23	7	10	5	5	6	10	9	8	8	6	4	1	6.6	6 30
24	9	10	9	8	9	8	4	4	3	2	2	8	6.3	5 25
25	3	2	4	4	4	4	4	2	3	2	3	4	3.2	9 50
26	3	2	3	4	4	4	1	1	0	1	1	0	2	10 15
27	2	0	0	2	1	1	2	2	1	1	1	1	**1.2**	**10 50**
28	2	2	1	4	5	4	3	2	2	3	2	8	3.2	10 15
29	7	5	4	4	3	4	2	2	1	3	1	2	3.2	10 05
Total														202 15
Mean	5.1	4.9	5	5.4	5.4	**5.6**	**5.6**	5.3	5.2	5	**4.3**	5.2	5.2	6 58

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon-1 p.	1-2 p.	2-3 p.	3-4 p.	4-5 p.	5-6 p.	6-7 p.	7-8 p.	8-9 p.	9-10 p.	10-11 p.	11-Mdt.	Mean.
14.5	**17.5**	12.5	10	7	5	8	5.5	4.5	5	13	15	7
20	17	17	8	4	7.5	17.5	28	**35.5**	34.5	30	24	**17.2**
9.5	8	1	.5	0	0	1	.5	1	10.5	9	9.5	10.9
12.5	13.5	6	5	3	0	2	4.5	.5	.5	1.5	0	5.4
8	9	7	9	2.5	2	.5	0	0	0	0	.5	4.4
9.5	1.5	5.5	4	3.5	3	**9.5**	8	5.5	6	1	1	3.8
4.5	2.5	6	8	0	0	.5	.5	2	4	6	5	**2.7**
2.5	1	4.5	7	8	9	8.5	7	5	**9.5**	5	2	3.7
14	11	13	**19**	**19**	12	5	7	7	5	4.5	0	6.7
10	8.5	12.5	**18**	17	14	10	8.5	7.5	7	8	4.5	7
12	10	6.5	10.5	**16**	13	5.5	4.5	7	7	3	3	5.6
11	8.5	11.5	14.5	15.5	14	10.5	7.5	7.5	7.5	10	14.5	7.4
19.5	23	21	**25**	18	14.5	7	8.5	11	9	9	8	11
17	11	12	10	13	11	11	10	7	3.5	1.5	2.5	8.1
17	10.5	18.5	**24**	21	14	6.5	3.5	2.5	4.5	2	1.5	7.6
11	12	6	11	13.5	9.5	4.5	3	6	2	1	1	5.2
14.5	6.5	10.5	12	**17**	13	12.5	8.5	4.5	2.5	2.5	10.5	6.1
3	4.5	9	5	**16**	11	6.5	10.5	10	7.5	5.5	2	6.1
14.5	8.5	10	**18**	**18**	14	8	5	9	4	1	2	6.4
26	**27**	**27**	23	23	21	10	4	3	2	6	3	9.4
18.5	11	10	11.5	6	10.5	7.5	5	4.5	6	6.5	7	6.6
16	18	**21**	16	18	8	8.5	10	7	8.5	13	14.5	9.6
12	10	12	10	17	**19**	14	13	10	9	12	4	10.1
10	**22.5**	19.5	19	16.5	15.5	10.5	6	4.5	7.5	5.5	4.5	8.3
24	26	**28**	27	21	16.5	8.5	11	10	6	7	10	12.1
29	28	28	27	24	19	10	12	12	11	5.5	7.5	14.2
21	24	23	23	24	19	15	14	14	11	8.5	1.5	15.4
23	22	**30**	26	24	16	11	6	4	7	4	4	10.3
24	26	**28**	25	21	21	13	8	12	9	11	8	11.9
14.8	13.7	14.4	14.7	14	11.4	8.4	7.6	7.4	7.1	6.6	5.9	8.3

FREQUENCY OF THE WINDS.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1	2		1					2		1	1	2	5	1		1	8	167	5	
2	9	3	1						1			5	1		1	3		**414**	5.2	
3	4	8	1										1		2	2	6	262	2.5	0.9
4	3	2	5	1	2		1							1	1		8	130.5	2.9	2.8
5		3		2	1								2	1	4		11	106.5	.4	7.8
6				1	2	1								1		3	16	92	.7	7.9
7	1	1			3	1											18	**64**	.6	2.4
8	1					3	5				1						14	89	3.1	
9			1			1	5	2				2	2	3		1	9	160	4.8	
10							5	4					1	2			10	167	5.3	
11	1						4	3				2	1	2			11	135.5	5.5	
12			1		5	1	3					1	1	2			10	178.5	5.8	
13					2	2	7	3				2		1	1		6	263.5	6.4	
14		4				1	7					1	4	1		1	6	193.5	5.6	
15					2	2	2	1				2	1		1		13	183	5.5	
16				2			2		1			2	3	1			13	124.5	3.1	2.8
17		1	1		1	1	4	1				1	2		2		11	145.5	4.7	
18	3		2	2	1		4						2	1			9	145.5	4	
19			1	1	2	2				1		3			1		13	154	6	
20			5	3	4							1					11	226	7.7	
21		1	1		4	1	3						2		1	1	10	157.5	5	
22	3	1				2	8	3						1			7	230	7.4	
23	3		2			2	6	1			1	3	1	1			4	241.5	5.5	
24		1				6	8			1				3	1		4	198.5	6.4	
25					2	6	12	1									3	290.5	9.2	
26			5	1	3	4	9	2										341	**9.6**	
27			1		2	11	6	1									3	369	8.9	
28	1					3	9	3									8	248	8.5	
29				2	1	3	13						1				4	286	**9**	
Total	31	25	28	15	36	53	123	27	1	4	3	27	30	21	15	11	246	5,763.5	154.3	24.6
Mean	1.1	0.9	1	0.5	1.2	1.8	4.2	0.9	**0**	0.1	0.1	0.9	1	0.7	0.5	0.4	**8.5**	198.7	5.3	0.8

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°C.		*Per cent.*	*mm.*	*mm.*		°C.		*Per cent.*	*mm.*
1	763.99	9.00a.	31.4	4.05p.	94	19.4	760.50	4.10p.	20.2	6.05a.	55.5	17
2	64.32	10.00a.	31.2	3.55p.	89	19.8	61	3.45p.	22	4.15a.	60	16.1
3	64.69	10.00a.	28.7	1.10p.	94	18	61.60	4.15p.	19.8	6.10a.	69	15.9
4	64.35	9.55a.	31.1	3.20p.	91	20.3	61.70	3.15p.	18.8	6.05a.	56	14.9
5	65	9.20a.	28.9	11.05a.	97	20.6	62.60	2.40p.	21.6	6.25a.	**75**	18.4
6	**65.55**	9.25a.	28.4	10.05a.	96	19.8	62.65	3.05p.	21.1	11.55p.	69	17.2
7	65.50	9.35a.	**28.2**	1.25p.	95	19.8	**62.80**	2.20p.	19.4	2.55a.	68	16.1
8	65	8.40a.	28.9	1.20p.	93	18.1	61.70	2.50p.	21.2	6.05a.	64	17
9	64.30	9.10a.	31.8	2.50p.	**99**	18	60.75	3.15p.	18.3	6.10a.	50	15.6
10	63.70	8.45a.	32.3	2.45p.	96	18.2	59.80	4.50p.	**17.6**	6.05a.	49	14.6
11	63.30	9.15a.	32.2	3.25p.	94	18.4	60.41	4.00p.	18	6.20a.	48	14.7
12	62.60	8.55a.	32.7	3.05p.	98	17.8	58.87	3.00p.	18.1	6.25a.	44	14
13	61.90	9.15a.	33	2.35p.	85	18.2	57.90	3.15p.	19.2	3.45a.	44	13.8
14	61.60	9.35a.	32.5	3.40p.	82	17.3	57.79	4.00p.	18.2	6.35a.	47	**13.3**
15	**61.25**	9.20a.	33.4	3.05p.	89	19.1	57.93	4.00p.	18.5	6.20a.	53	14.5
16	61.65	9.35a.	32.7	0.40p.	94	21.1	58.45	3.25p.	21.1	6.25a.	61	18
17	61.95	9.25a.	**34.3**	3.35p.	97	**22.2**	58.20	3.45p.	21.9	6.30a.	57	**18.9**
18	62	9.30a.	33.7	3.35p.	94	20.7	59.20	3.40p.	21.8	5.45a.	55	18.1
19	63.30	9.15a.	32.9	11.35a.	90	19.2	60.25	3.15p.	22.3	6.20a.	47	14.4
20	63.35	10.20p.	33.1	11.25a.	81	16.2	60.45	3.35p.	20.5	5.20a.	43	13.9
21	63.05	8.55a.	31.2	3.25p.	82	19.3	60.05	3.45p.	**22.7**	5.35a.	59	16.5
22	62.90	9.15a.	33.8	2.40p.	93	19	59.44	4.00p.	21.4	6.20a.	**39**	14.8
23	62.45	9.10a.	33	3.10p.	91	19.9	59.30	3.55p.	20.5	6.20a.	58	16.6
24	61.55	9.55a.	33.4	3.05p.	90	19.2	58.31	4.00p.	20.6	4.40a.	44	15.5
25	61.89	9.00a.	33.9	1.10p.	96	16.4	58.70	3.25p.	18.8	6.05a.	41	14.2
26	61.67	9.00a.	33.7	2.05p.	**78**	**16.1**	58.40	2.55p.	19.4	4.30a.	42	**13.3**
27	61.45	9.10a.	33.9	2.50p.	**78**	17.3	57.85	3.30p.	22.3	6.30a.	43	14.6
28	61.30	9.10a.	**34.3**	2.25p.	91	18.1	**57.20**	3.25p.	21	5.55a.	44	14.8
29	61.50	9.15a.	34	2.30p.	82	16.9	57.90	3.15p.	19.4	6.15a.	**39**	13.5
Mean	763	-------	32.2	-------	90.7	18.8	759.71	-------	20.2	-------	52.5	15.5

DAILY GENERAL REMARKS.

1____☌ early in the morning.
2____Gusty N winds at night.
3____d° in the morning.
4____● in the afternoon.
5____● in the forenoon and afternoon.
6____p° 11.40 a.; ● in the afternoon.
7____d° in the forenoon; ● in the afternoon.
8____d° 11.10 a. and 12.25 p.
9____Convergence of Ci. toward NNW, and somewhat gusty SSE winds in the afternoon.
10____☌ early in the morning; somewhat gusty SSE winds in the afternoon.
11____Fair weather.
12____Do.
13____Cloudy weather.
14____Coloration of upper clouds at sunset.
15____Gusty SE winds in the afternoon.
16____●, ◹° NE quadrant in the afternoon; convergence of Ci. toward S at sunset.
17____Cloudy weather.
18____●° 11.45 a.
19____Cloudy weather.
20____Gusty Ely winds in the afternoon.
21____d° in the morning and afternoon.
22____Fair weather.
23____Cloudy weather.
24____d° in the forenoon.
25____Belts of Ci. extended from N to S in the morning and afternoon; gusty SEly winds in the afternoon.
26____Somewhat gusty SEly winds in the forenoon and afternoon.
27____Light convergence of Ci. toward S in the morning; somewhat gusty ESE winds in the forenoon and afternoon.
28____Somewhat gusty SSE winds in the afternoon.
29____Somewhat gusty SEly winds in the afternoon.

OBSERVATIONS FOR MARCH, 1912.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	59.80	59.70	59.60	59.80	60	60.29	60.95	61.39	**61.97**	61.94	61.31	60.56
2	61.10	60.80	60.75	60.75	61.15	61.54	62.20	62.77	**62.99**	62.82	62.42	61.54
3	61.60	61.50	61.35	61.30	61.50	61.97	62.57	**63.40**	63.33	63.35	62.99	62.33
4	61.35	61.15	61	61.05	61.45	61.82	62.49	62.67	63.08	**63.12**	62.71	62.12
5	60.75	60.50	60.45	60.55	60.65	60.81	61.45	62.05	**62.22**	62.19	61.55	60.82
6	61.05	60.75	60.75	60.80	61	61.38	61.85	**62.42**	62.08	62.02	61.41	60.96
7	60.90	60.65	60.65	60.65	60.90	61.46	61.95	62.39	**62.65**	62.64	62.13	61.29
8	61.50	61.30	61.20	61.15	61.35	61.64	61.99	62.43	**62.71**	62.62	62.20	61.60
9	62.20	62.05	62.05	62.05	62.15	62.60	63.05	63.25	**63.48**	63.37	62.91	62.22
10	61.40	61.20	61.15	61.20	61.55	62.02	62.62	63.15	**63.37**	63.23	62.51	61.75
11	60.65	60.25	60.10	60	60.15	60.45	60.80	61.31	**61.83**	61.78	61.28	60.44
12	58.90	58.80	58.55	58.25	58.35	58.75	59.14	59.58	**59.81**	59.69	59.22	58.66
13	58.70	58.15	57.75	57.75	58.10	58.86	59.45	60.25	**60.52**	60.34	59.94	59.29
14	59.60	59.30	59.10	59.15	59.50	59.70	60.38	60.79	61.17	**61.27**	60.79	59.97
15	60.10	59.90	59.70	59.75	59.90	60.25	60.75	61.49	61.69	**61.72**	61.44	60.86
16	60.25	60.05	59.90	59.90	60.05	60.62	61.12	61.74	**62.01**	61.90	61.42	60.83
17	60.80	60.55	60.50	60.60	61.05	61.47	61.98	62.59	**62.85**	62.73	62.22	61.74
18	61.55	61.20	61.15	61.25	61.50	61.95	62.40	63	**63.35**	63.18	62.77	62.14
19	62.35	62.10	61.90	61.85	62.05	62.50	63.03	63.32	63.55	**63.65**	63.34	62.63
20	62	61.80	61.75	61.50	61.80	61.95	62.34	62.67	**62.69**	62.44	62.24	61.53
21	62.15	62	61.85	61.90	62.10	62.38	62.90	63.52	63.77	**63.81**	63.44	62.68
22	62.40	62.30	62.30	62.40	62.70	63.14	63.73	64.15	**64.27**	63.98	63.28	62.55
23	62.70	62.15	61.75	62.05	62.40	62.52	62.77	63.19	63.26	**63.45**	63.02	62.18
24	61.30	61.35	61.30	61.35	61.85	62.32	62.82	63.10	**63.15**	63.12	62.88	62.12
25	62.70	62.45	62.40	62.35	62.45	62.69	63.30	**63.67**	**63.67**	63.39	62.80	61.75
26	62.70	62.40	62.30	62.25	62.50	62.82	63.43	**63.63**	63.38	63.18	62.63	61.90
27	62.15	61.70	61.40	61.45	61.70	62.05	62.75	62.28	**63.57**	63.33	62.84	62.01
28	61.90	61.65	61.45	61.30	61.40	61.77	62.24	62.95	63.07	**63.19**	62.69	61.80
29	61.55	61.40	61.15	61.10	61.30	61.77	62.35	62.89	**62.94**	62.77	62.36	61.72
30	61.85	61.55	61.35	61.45	61.70	61.94	62.54	63.04	**63.16**	62.94	62.52	61.93
31	62.10	61.70	61.20	61.25	61.35	61.83	62.17	62.78	**62.93**	62.73	62.57	61.77
Mean	61.29	61.04	60.93	60.91	61.15	61.52	62.05	62.51	**62.73**	62.64	62.19	61.47

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	23.9	23	21.2	20.6	20.2	**20.1**	21.2	25.2	29.4	28.6	28.9	31.3
2	22.1	21	20.6	20.1	19.5	**19.4**	20.4	25.5	28.1	29.4	28.4	31.5
3	23.6	22.6	21.9	21.4	20.9	**20.7**	22.2	23.7	27	28.5	29.5	29.2
4	24.9	23.6	22.9	21.6	21.1	**20.7**	22.4	26.2	29.2	**30.1**	29.7	28.9
5	22.7	20.7	19.9	19.3	19.1	**18.9**	20	24.9	27.1	28.5	29	30.7
6	23.1	22.6	22.4	21.1	20.5	**20.2**	21.6	26.7	29.5	27.5	29	29.6
7	24.2	22.7	22.2	21.8	21.7	**21.2**	22.9	27	26.9	28.2	28.8	30.3
8	24.8	24.1	24.1	23.6	22.7	**22.2**	23.8	26.7	29.2	31.6	32	32.3
9	25	23.4	22.8	22.4	**22.1**	22.5	24.6	27.6	30.8	31	32	**32.7**
10	25.3	25.2	24.8	24.1	23.7	**23.1**	24.3	27.5	29.7	31	31.7	32.4
11	23.6	21.8	20.3	20.1	19.5	**18.6**	21.4	24.6	27.8	27.7	28.5	29.5
12	24.1	23.2	22.4	21.6	21.2	**20.8**	22.7	26.1	27.4	29.3	29.8	31.2
13	23	22.3	22	21.6	21.4	**21.1**	21.7	25.8	27	28	29	30.8
14	24.4	23.8	23.2	**23.1**	**23.1**	**23.1**	24.7	27.5	29	29.6	30.2	31.8
15	25.9	24.9	23.8	23.1	22.7	**22.3**	23.6	27.7	29.7	29.7	29.5	31.7
16	25.5	25.3	24	22.9	22.2	**21.9**	23.8	27.2	29.1	31	31.8	32.4
17	22.9	22.4	21.9	21.4	21.2	**20.4**	21.2	23.3	27	29.8	30.3	29.5
18	24.6	24.1	23.5	22.7	21.6	**21.4**	22.5	24.8	27.1	30.3	**30.7**	28.6
19	23.2	23.1	23.3	23.1	**23**	**23**	23.6	25.5	27.2	27	27.8	27.1
20	22.7	22.2	21.7	21.3	21.1	**20.8**	22.3	26.8	28.7	30.8	28.7	31.2
21	23.8	22.7	23	22	21.8	**20.9**	23.7	27.5	29.8	27.9	30.3	30.8
22	23.5	23.2	23.3	21.4	21.6	**21.3**	23.4	26.5	26.9	27	31.7	32.5
23	**23**	23.9	24.1	24.2	24.6	24.3	25.2	27.9	26.5	26.8	28	30
24	23.6	22.3	21.8	21.5	21.3	**20.5**	22.5	24.1	26.5	27.3	28.5	31.9
25	22.7	22.2	21.4	21.7	21.1	**20.5**	23.6	27.5	30.4	30.9	32.1	32.8
26	24.5	24.2	22.2	22.2	20.9	**19.9**	23.5	28	30	31	32	32.6
27	25.2	24.1	22.7	22.9	22.2	**22**	25.1	27.8	30.6	28.4	31.5	33.4
28	22.9	23	22.1	22.1	21.3	**20.9**	23.2	27.5	27.8	27.6	29.6	33.2
29	25.2	24.2	23.6	22.2	**22.1**	**22.1**	25.2	28.7	30.9	32.4	32.7	**34.1**
30	23.8	22.9	21.9	21.9	**21**	**21**	23	26.6	31.3	32.4	33.3	**34.6**
31	24.2	23.4	22.5	22.7	22.4	**21.7**	24.9	28	29.8	30	29.7	29.8
Mean	23.9	23.2	22.5	22	21.6	**21.2**	23	26.5	28.6	29.3	30.2	31.2

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
59.70	58.82	**58.45**	58.71	59.96	60.03	60.15	60.60	61.15	61.10	61.25	61.15	60.35
60.70	60.10	**59.60**	59.73	60.28	60.63	61.10	61.50	61.85	62	61.90	61.85	61.34
61.52	60.75	**60.13**	60.20	60.50	60.70	60.80	61.05	61.40	61.60	61.75	61.55	61.63
61.28	60.70	**60.08**	60.22	60.25	60.27	60.49	60.80	61.05	61.20	61.20	61	61.36
60.16	59.39	**58.71**	58.85	59.15	59.61	60.09	60.50	60.90	61.30	61.50	61.35	60.65
59.90	59.25	**58.85**	58.95	59.20	59.63	60.17	60.70	61.05	61.50	61.45	61.25	60.77
60.48	59.68	**59.30**	59.49	59.95	60.46	60.90	61.50	61.90	62.15	62.05	61.85	61.17
60.86	60.27	**59.79**	59.84	60.05	60.31	60.78	61.30	61.75	62.05	62.40	62.35	61.39
61.46	60.63	60.04	**59.77**	59.79	59.96	60.40	60.85	61.25	61.35	61.65	61.60	61.67
60.66	59.86	59.26	**59.15**	59.32	59.67	60.15	60.60	60.95	61.05	61.05	60.80	61.15
59.58	58.67	58.06	**57.75**	57.85	58.24	58.68	59.05	59.30	59.45	59.40	59.10	59.76
57.91	57.36	**56.96**	57.02	57.05	57.30	57.77	58.50	59.15	59.20	59.15	58.95	**58.50**
58.44	57.70	57.07	**56.95**	57	57.50	58.08	58.85	59.35	59.85	60.05	59.85	58.74
59	58.17	57.84	**57.79**	58.03	58.52	59.02	59.70	60.35	60.80	60.80	60.45	59.63
60.06	59.29	58.87	**58.58**	58.65	58.80	59.45	59.95	60.50	60.65	60.60	60.55	60.15
59.95	59.18	58.39	**58.25**	58.41	58.73	59.45	60.10	60.80	61.15	61.35	61.10	60.28
60.68	59.73	59.15	58.94	**58.87**	59.25	59.95	60.80	61.25	61.75	61.95	61.80	60.97
61.68	61.22	60.57	**60.41**	60.80	61.37	61.89	62.15	62.65	62.85	62.90	62.75	61.94
61.67	60.77	60.44	**60.39**	60.70	61.11	61.59	62.05	62.45	62.65	62.55	62.05	62.11
60.72	59.99	**59.74**	59.86	60.25	60.59	61.12	61.90	62.55	62.60	62.65	62.60	61.64
61.77	61.06	**60.68**	60.73	**61**	61.46	62.01	62.20	62.70	62.80	63	62.70	62.28
61.60	60.85	60.55	**60.50**	60.92	61.48	62.03	62.20	62.80	63	63.15	62.90	**62.47**
61.40	60.65	60.08	**59.91**	59.95	60.27	60.60	60.90	61.30	61.65	61.65	61.60	61.72
61.26	60.43	60.16	**60.10**	60.23	60.55	61.10	61.75	62.15	62.70	62.65	62.70	61.77
61.08	60.34	**59.92**	60.15	60.55	61.18	61.57	62.15	62.50	62.80	63	62.95	62.16
61.08	60.10	**59.79**	59.90	60	60.47	61.22	62.15	62.60	60.90	62.75	62.35	61.93
61.08	60.40	**59.86**	**59.86**	60	60.67	61.18	61.75	62.35	62.50	62.45	62.15	61.77
60.62	60.16	59.52	**59.42**	59.89	60.31	60.92	61.55	61.90	62	62.05	61.95	61.49
61.35	61.20	60.85	**60.60**	60.65	61.13	61.48	61.85	62.25	62.30	62.35	62	61.72
61.15	60.75	**60.56**	60.60	60.83	61.27	61.60	62.30	62.75	62.95	62.80	62.30	61.91
60.73	60.48	**59.94**	60.08	60.50	61.10	61.55	61.70	62	62.25	62.45	62.10	61.64
60.63	59.93	59.46	**59.44**	59.70	60.08	60.56	61.06	61.51	61.68	61.80	61.60	61.16

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
31.8	**33.8**	31.9	29	25.4	25.9	25.1	24.8	24.4	24.1	24	24	25.7
33.1	33	32.7	31.3	29.3	28.2	26.6	26	25.3	25.2	24.6	24.3	26.1
31.5	32.7	**34**	31.6	30.7	29.5	27.8	27.6	26.2	26.5	25.2	25.1	26.6
28.7	29	30	28.5	28.3	27.2	26.1	25.2	23.8	23.4	22.5	21.8	25.7
31.9	32.5	**33.2**	31.5	30	27.8	26.9	26.1	25.7	25.4	25.1	24.4	25.9
32.6	32.8	**32.9**	31.8	30.7	29	27.5	26.6	26.1	25.7	25.5	25.6	26.7
30.4	**33.5**	33.3	31.3	30.7	28.9	28.2	27.5	26.7	25.8	25.3	24.8	26.8
33.3	**34.5**	34.3	32.7	31.5	29.9	28.4	27.1	26.4	26.2	26.1	25.8	28.1
31.7	32.1	31.9	31.9	31.2	29	27.8	27	26.5	25.9	25.7	25.5	27.6
32.7	32.3	32.5	31.3	29.9	27.6	26.6	25.3	24.8	24.2	23.9	24.1	27.4
30.6	31.3	**32.8**	31.7	**31.1**	28.7	27.2	26.9	25.8	25.5	25.2	24.4	26
32.2	31.7	31.4	30.3	29.8	28	27.4	27.2	26.7	25.8	25.1	23.8	26.6
31.1	**32**	31.7	30.5	29.4	27.5	27.2	26.8	26.5	26.3	26.3	26.1	26.5
32.5	33	**34.7**	34.2	33	30.6	28.8	28.1	27.7	27.3	26.8	26.3	**28.2**
32.2	**32.6**	29.2	30.2	30.3	29.6	28.4	27.7	27.2	27.1	26.4	26	27.6
31.9	27.5	**32.5**	32.3	29.6	28.7	27.7	26.8	26.1	25	23.7	23.3	27.2
31.6	32.4	**32.8**	31.9	30.2	28.7	27	26.5	26.3	25.8	25.4	24.9	26.4
26.6	25.4	29.8	28.3	27.2	26.5	25.3	24.4	24.2	23.5	24	23.4	**25.4**
30.4	28.7	28.7	28.6	28.5	27.8	26.3	25.7	25.2	25.3	24.2	23.3	25.8
31.3	31.1	30.3	31.1	29.7	28	27.2	26.6	26.5	26.2	25.7	25.1	26.5
32.4	**33.5**	33.4	31.3	30.9	29	27.6	26.8	25.3	25.1	24.8	23.5	27
32.4	**33.8**	33.5	32.6	31.5	28.7	27	26.2	25.8	24.7	23.8	23.1	26.9
31.8	32.6	31.6	**33**	31.3	28.9	27.3	26.7	25.6	25.4	25.1	24.3	27.2
34.2	34.3	**34.5**	32.9	31.8	29.3	27.5	26.3	25.6	25.2	24.9	24.5	26.8
33.5	**33.8**	33.6	32.4	31.3	28.7	27.4	26.4	25.7	25.2	25.1	25	27.3
33.4	**33.8**	33.3	32.3	30.4	27.9	27.3	26.6	25.9	25.3	25.9	25.5	27.4
33.7	**33.8**	33.6	32.7	31.6	28.9	27.7	26.9	25.8	25.1	25.3	23.9	27.7
33.5	**34.2**	32.8	33.7	31.7	29.5	28.2	27.5	27.3	26.9	26.6	25.7	27.4
31.1	30	30.9	31.2	31.7	29.5	27.6	26.7	26	25.9	25.3	23.4	27.6
34.6	31.9	31.4	31.9	31.4	29.2	27.7	26.8	26	25.2	24.1	25.1	27.5
31.9	31.6	**32.3**	30	29.7	27.6	27.1	26.4	26.2	25.7	25.3	25	27
32	32.1	**32.3**	31.4	30.3	28.5	27.3	26.6	25.9	25.5	25.1	24.5	26.9

RELATIVE HUMIDITY (%).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	73.5	77	84	84	**87**	86	85	65	55	61	57	53
2	83	87	88	88	**88.5**	87.5	87	69	58	52.5	60	46
3	76	80	82	83	**85**	**85**	81	74	61	58.5	57	55
4	68	73	76	82	83.5	83	81.5	66	55.5	**52**	56	60
5	75	85	87	87	**88**	**88**	87	67	59	52	54	50
6	77	78	79	83	**85**	**85**	84	64	54.5	66	59	58
7	72	75	76	76	74	**77.5**	74	64	65	60	59	53
8	73	78	80	82	84	**86**	81	69	60	52	54	50
9	70	78	78.5	79	**80**	77	75	67	51	50	49	**46**
10	70	69	69	**74**	72	73	67	58	50	46	45	41
11	68	70	76	75	75	**80**	72	60	54	55	52	50
12	78	82	81.5	**85**	82	83	78	70	65	59	58	52
13	81	82	82	84	84	84	**87**	72	74	69.5	67.5	60
14	87	88	**91**	90	90	**91**	86	72	69	69	62	56
15	76	82	85	**88**	87	**88**	83	67	53	58	58	54
16	76	77	83	86	**91**	**91**	83	68	60	53	54	54
17	83	85	85	86	86	**90**	84	75	60	46	49	53
18	66	68	72	73	80	76	76	68	59	**48**	49	57
19	**84**	**84**	82	83	83	83	82	72	65	64	60	65
20	82.5	83	86	87	87	**89**	87	66	61	54	61	54
21	77	82	80	82	83	**87**	81	63	55	63	51	53
22	70	72	71	**82**	79.5	**82**	78	65	72	65	52	43
23	71	71	70.5	74	75	74	**76.5**	65	72	73	70	61
24	78	82	82	83	84	**88**	82	76	70	68	62	46
25	85	85	**88**	83	86	87	80.5	66	55	57	55	46
26	63	64	68	69	74	**76**	68.5	53	46	39.5	42	41.5
27	67.5	70.5	77	77	80	**81**	73	61	48	55	47	39
28	74	74	75	73	**78**	**78**	75	60	61	62	58	48
29	70	73	73	**80**	77	77	70	58	47.5	45.5	48	**43**
30	75	77	81	81	**84**	83	76	68	42	38	**36**	34
31	68	72	77.5	78	80	**83**	73	59	52	54	56	57
Mean	74.8	77.5	79.5	81.2	82.3	**83.2**	79.2	66	58.4	56.3	54.8	50.9

VAPOR PRESSURE (mm).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	16.2	16.1	15.8	15.2	15.3	**15**	16	15.4	16.7	17.8	16.9	**18.1**
2	16.5	16.1	15.9	15.4	14.9	**14.7**	15.5	16.8	16.4	16	**17.2**	15.6
3	16.6	16.3	16.1	15.7	15.7	15.5	16	16.2	16.2	16.9	17.4	16.7
4	15.9	15.9	15.8	15.7	15.6	**15.1**	16.4	16.7	16.7	16.5	17.3	17.8
5	15.4	15.5	15	14.6	14.5	**14.4**	15.1	15.8	15.6	15.1	16.1	16.5
6	16.2	15.8	15.9	15.4	15.3	**15**	16.1	16.8	16.7	**18.1**	17.6	18
7	16.2	15.4	15	14.8	**14.4**	14.5	15.4	16.9	17	17.1	17.3	16.9
8	17	17.3	17.8	17.8	17.3	17.1	17.6	18	18	18	**19.2**	18
9	16.4	16.7	16.2	15.9	15.8	**15.5**	17.2	**18.4**	16.8	16.7	17.2	17
10	**16.9**	16.4	16.2	16.4	15.6	15.3	15.1	15.7	15.4	15.4	15.7	14.9
11	14.7	13.7	13.5	13.2	**12.6**	12.7	13.6	13.7	15	15.2	14.9	15.2
12	17.5	17.3	16.4	16.2	15.3	**15·2**	16.1	17.7	17.6	17.9	18.2	17.7
13	16.9	16.5	16.2	16.1	15.9	**15.7**	16.7	17.8	19.6	19.5	20	19.7
14	19.8	19.3	19.3	19	19	19.1	19.8	19.6	20.4	**21.3**	19.9	19.7
15	18.9	19.1	18.6	18.4	17.8	17.7	18	18.4	**16.4**	18.1	17.8	18.6
16	18.4	18.4	18.4	17.8	18.1	17.8	18.2	18.3	17.9	**17.6**	18.9	19.4
17	**17.3**	17.1	16.6	16.4	16.2	16	15.8	15.9	15.9	14.5	15.7	16.3
18	15.3	15.2	15.4	14.9	15.4	**14.4**	15.4	15.8	15.6	15.4	16.1	16.7
19	17.7	17.7	17.4	17.4	17.3	17.3	17.8	17.5	17.4	16.9	16.8	17.3
20	16.9	16.6	16.5	16.4	16.2	16.2	17.4	17.2	17.9	17.8	17.9	**18.3**
21	16.8	16.8	16.7	16.2	16.1	16	**17.5**	17.2	17.2	**17.5**	16.4	17.4
22	15.1	15.3	15.1	15.5	15.2	15.4	16.7	16.7	**18.9**	17.3	18	15.6
23	14.9	15.7	15.7	16.5	17.2	16.8	18.2	18	18.5	19.1	**19.7**	19.3
24	16.9	16.5	16	15.8	15.8	15.8	16.7	16.9	18	**18.4**	17.9	16.2
25	17.5	16.9	16.7	16	16.1	15.6	17.4	18.1	17.6	18.9	**19.6**	17.1
26	14.3	14.3	13.6	13.7	13.6	**13.1**	14.7	14.9	14.4	13.2	15	15.1
27	16.1	15.7	15.7	16	15.9	15.8	**17.4**	17	15.6	15.7	16.2	14.8
28	15.4	15.4	14.8	14.5	14.6	**14.4**	15.8	16.3	17	17.1	18	**18.1**
29	16.6	16.4	15.9	15.9	15.3	15.3	16.6	17	15.8	16.4	**17.8**	17.1
30	16.4	16	15.9	15.9	15.6	15.5	15.9	**17.6**	14.3	13.8	13.6	13.9
31	**15.3**	15.5	15.7	15.9	16.1	16	17.2	16.7	16.3	17.1	17.5	**17.8**
Mean	16.5	16.4	16.1	16	15.8	**15.6**	16.6	16.9	16.9	17	**17.3**	17.1

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
51	**39**	47.5	56	74	69	73	70	71	70	70	73	68
42	**39**	41	46	49.5	54	62	63	68	68	72	74	65.5
48	**41**	42	51	53	54.5	60	60	67	63	68	67	64.7
59	57	55	64	63	59	65	70	77	76	81	**84**	68.6
46	45	**42**	46	54	62	63	66	67	68	68	71	65.7
44	**43**	**43**	47	48	52	60	63	63	67	64	64	63.8
54	**44**	47	52.5	51	59	60	63	65	69	73	74	64
44	39	**36**	42	45	50	56.5	62	63	65.5	65	66	61.8
47	**46**	46.5	49	51	57	60	63	65	67	69	70	62.1
39	**39**	**39**	41	43	54	55	61	63	65	66	66	56.9
44.5	46	**40.5**	44	48	58	66	65	72	71	73	77	62.2
46	47	54	59	58	64	67	65	67	69	73	78	67.5
53	**50**	51	58	70	78.5	76	79	79	80	81	83	**73.6**
53	50	**42**	46	51	58.5	67	70	70	72	74	74	69.9
53	**49**	64	65	57	60	64	68	70	70	73	73	68.5
56	78	54	**51**	61	64	67	71.5	74	79.5	84	84	70.8
48	43	**37**	38	45	43	51	59	59	58	60	62	61.9
68.5	82	60	58	68	67	73	78	75	80	79	**84**	69.4
59.5	63	61	63	60	60	67.5	70	72	70	77	80	71.2
51	51	48	**46**	52	57	62	65	66.5	67	69	71	66.8
46.5	**40**	**40**	44	43	51	54.5	57	65	64	64	70	62.3
43	**32**	35	36.5	36.5	45	53	56	58	64	66	70	59.4
52.5	43.5	51	41	45	50	58	59	65	65	66	71	63.3
38	**37**	**37**	42	44	52	60	64	69	67	74	77	65.1
43	41	**39**	43	48	57	62	65	67	67.5	63	61	63.8
39	**39**	**39**	42	49	58	59	64	67	68	67	68	**56.8**
39	**34**	38	43	48	56	55	58	63	66	64	70	58.8
42	**39**	41	**39**	47	53	60	61	61	61	61	69	60.4
51	51	48	49	46	48.5	56	61	**65**	65	69	76	60.3
32	40	47	48	43	49	55	57	61	65	69	63	58.5
50	46	**45**	51	52	56	58	61	61	67	69	69	62.3
47.8	46.2	**45.5**	48.4	51.7	56.6	61.5	64.3	67	68.2	70	72.2	64.3

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
17.8	15.4	16.7	16.6	17.7	17.3	17.4	16.3	16.2	15.6	15.6	16.1	16.4
15.8	**14.7**	15.1	15.8	15	15.5	16.1	15.8	16.2	16.3	16.6	16.8	15.9
16.6	**15.1**	16.8	**17.5**	17.3	16.7	16.8	16.4	16.9	16.2	16.3	15.8	16.4
17.4	16.8	17.3	**18.4**	18	15.9	16.2	16.8	16.8	16.3	16.4	16.3	16.6
16.2	16.3	15.9	15.8	17.1	**17.3**	16.6	16.6	16.5	16.3	16.1	16.2	15.9
16.1	15.8	16.1	16.4	15.8	15.5	16.3	16.3	15.9	16.3	15.6	15.7	16.2
17.5	16.9	**17.8**	**17.8**	16.9	17.4	17.1	17.2	16.9	17.1	17.4	17.2	16.6
16.6	15.7	**14.5**	15.3	15.3	15.7	16.2	16.5	16.2	16.5	16.2	16.3	16.8
16.4	16.2	16.3	17.3	17.1	17	16.8	16.6	16.7	16.7	16.8	17	16.7
14.2	14	14.1	13.9	**13.4**	14.8	14.4	14.6	14.6	14.6	14.7	14.7	**15**
14.5	15.8	15	15.3	16.3	17	**17.7**	17.2	**17.7**	17.3	17.3	17.5	15.3
16.5	16.4	18.4	**19.1**	18.2	18	18.2	17.6	17.3	17.1	17.4	17.1	17.3
17.8	17.6	17.8	18.7	21.2	**21.4**	20.4	20.6	20.3	20.4	20.5	20.9	18.7
19.3	18.8	**17.2**	18.3	19	19.1	19.6	19.7	19.5	19.4	19.3	18.9	**19.3**
19.1	18.1	19.1	**20.7**	18.3	18.5	18.5	18.7	18.8	18.7	18.6	18.3	18.5
19.7	**21.2**	19.7	18.2	18.7	18.7	18.5	18.7	18.6	18.7	18.3	17.8	18.6
16.7	15.5	13.7	13.4	14.3	**12.6**	13.6	15.1	15.1	14.3	14.4	14.5	15.3
17.7	**19.8**	18.6	16.7	18.3	17.3	17.4	17.6	16.9	17.1	17.5	17.9	16.6
19.2	18.5	17.7	18.2	17.5	**16.6**	17.2	17.2	17.1	16.9	17.2	16.9	17.4
17.3	17.2	**15.4**	15.5	16	16	16.6	16.8	17.1	17.1	17	16.8	16.8
16.8	15.6	15.2	14.8	**14.2**	15.2	15	14.9	15.5	15.1	15	15.1	16
15.5	**12.6**	13.7	13.3	**12.6**	13.2	13.9	14.3	14.3	14.9	14.6	14.7	15.1
18.3	15.9	17.7	15.5	15.2	**14.9**	15.7	15.3	15.8	15.6	15.6	16.1	16.7
15.3	**14.8**	14.9	15.7	15.5	15.7	16.4	16.3	16.7	15.9	17.3	17.6	16.4
16.5	16.1	15.1	15.5	16.5	16.6	16.9	16.6	16.3	16.1	14.9	**14.3**	16.6
15	15.1	14.9	15.2	15.8	16.2	15.8	16.5	16.5	16.2	**16.7**	16.4	**15**
15.2	**13.5**	14.7	15.8	16.5	16.5	15.2	15.2	15.5	15.6	15.3	15.3	15.7
16.1	15.7	15.2	15.2	16.4	16.3	16.9	16.6	16.4	16.1	15.8	16.8	16
17.2	16	16	16.6	16.1	**14.8**	15.5	15.9	16.1	16.2	16.6	16.3	16.2
13.2	13.9	16.1	16.9	14.8	14.9	15.2	14.9	15.2	15.4	15.4	14.9	15.2
17.5	15.7	16.1	16	16	15.5	15.5	15.5	15.5	16.3	16.6	16.2	16.2
16.7	16.2	16.2	16.4	16.5	16.4	16.6	16.6	16.6	16.5	16.5	16.5	16.5

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1												
2	Ci.		Ci.		Ci.				Ci.		Ci.	
3	Ci.-S.										Ci.-S.	
4	Ci.		Ci.		Ci.		Ci.-S.					
5	Ci.-S.		Ci.		Ci.		Ci.		Ci.		A.-Cu.	
6												
7												
8												
9	A.-Cu.		Ci.									
10	Ci.											
11	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
12	Ci.											
13	Ci.		Ci.						Ci.		Ci.	
14	Ci.								Ci.			
15	Ci.-S.		Ci.		Ci.		Ci.				A.-Cu.	
16	Ci.		Ci.		Ci.-Cu.		Ci.		Ci.-S.		Ci.-S.	
17	Ci.		Ci.-S.		Ci.-S.	NNW	Ci.-S.	NNW	Ci.-S.	NWbyN	Ci.-S.	
18	Ci.						Ci.-S.					
19												
20												
21	A.-Cu.		A.-Cu.		Ci.		Ci.					
22												
23									A.-Cu.			
24											A.-Cu.	
25												
26												
27												
28												
29												
30	A.-Cu.		A.-Cu.		A.-Cu.							
31												

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E
2	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	
3	Cu.		Cu.	E	Cu.	E	Cu.		Cu.	E	Cu.-N.	
4	Cu.		Cu.		Cu.	E	Cu.	E	Cu.-N.		Cu.	
5	Cu.						Cu.		Cu.		Cu	
6	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E
7	Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E	N.-cf.	E
8	Cu.		Cu.	E	Cu.	E	Fr.-Cu.	SE	Fr.-Cu.	ESE	Fr.-Cu.	ESE
9	S.-Cu.		Cu.		Cu.		Cu.		N.-cf.		N.-cf.	
10	Cu.		Cu.		Cu.	ENE	Cu.	ENE	Cu.		Cu.	
11							Cu.		Cu.		Cu.	
12			Cu.		Cu.		Cu.		Cu.		Cu.	
13	Cu.								Cu.		Cu.	
14	Cu.		Cu.		Cu.	E	Cu.	E	Cu.		Cu.	
15	Cu.		Cu.		Cu.		Cu.		N.-cf.		N.-cf.	
16	Cu.		Cu.		S.-Cu.	E	Cu.	E	Fr.-Cu.	E	Cu.	
17							Cu.		Cu.		S.-Cu.	
18	Cu.		Cu.-N.		Cu.-N.	E	Cu.-N.	E	Cu.-N.		Cu.-N.	
19	Fr.-N.	E	Cu.	E	Cu.	E	Cu.-N.	E	Cu.	E	Cu.-N.	
20	Cu.		Cu.	E	Fr.-Cu.	E	Cu.		Cu.-N.		Cu.	
21	Cu.		Cu.		Cu.		N.-cf.	E	N.-cf.		N.-cf.	
22	Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
23	Cu.		Cu.		N.-cf.	E	Cu.-N.	E	Cu.	E	Cu.	
24	S.-Cu.		Fr.-N.	E	Fr.-N.	E	Fr.-N.	E	N.-cf.		Cu.	
25	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
26	Cu.		Cu.		Cu.	E	Cu.		Cu.		Cu.	
27	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	
28	Cu.		Cu.		Cu.	E	N.-cf.	E	Cu.	E	Cu.	
29	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
30	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
31	Cu.		Cu.		Cu.		Cu.	ESE	Cu.	ESE	Cu.	ESE

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
						Ci.				Ci.	
		A.-Cu.				Ci.-S.				A.-Cu.	
Ci.											
		A.-Cu.									
		Ci.								A.-Cu.	
										Ci.-S.	
		Ci.-S.						Ci.			
A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.		Ci.		Ci.	
						Ci.		Ci.			
		Ci.		Ci.		Ci.-S.		Ci.		Ci.	
										Ci.	
		Ci.		Ci.		Ci.-S.		Ci.		A.-Cu.	
A.-Cu.										Ci.-S.	
		Ci.						A.-Cu.		Ci.-S.	
Ci.-S.		Ci.		Ci.		Ci.		Ci.		Ci.	
		A.-Cu.		Ci.-S.							
						A.-Cu.		A.-Cu.		A.-Cu.	
						A.-Cu.				A.-Cu.	
						A.-Cu.				Ci.-S.	
										Ci.	
				Ci.		Ci.		Ci.		Ci.	
A.-Cu.		A.-Cu.									
										Ci.	
										A.-Cu.	

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.-N.		Cu.-N.	
Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
Cu.		Cu.	ESE	Cu.	ESE	Cu.		Cu.		Cu.	
N.-cf.	E	N.-cf.		Cu.-N.	E	Cu.-N.	E	Cu.-N.		Cu.-N.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.	E	Cu.	E	Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.-N.	E	Cu.-N.	
Cu.	ESE	Cu.		Cu.		N.-cf.		Cu.		Cu.	
Cu.	EbyN	Cu.		N.-cf.	EbyN	Cu.	ENE	Cu.	NE	Cu.	NE
Cu.	EbyN	Cu.	EbyN	Cu.				S.-Cu.		S.-Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.	S	Cu.-N.	
Cu.		Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.		Cu.-N.	
Cu.-N.		Cu.	E	Cu.	E	Cu.-N.	E	Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
N.	E	Cu.-N.	E	Cu.-N.		N.-cf.	E	N.-cf.	E	N.-cf.	E
Cu.-N.	E	Cu.-N.	E	Cu.-N.		Cu.-N.		Cu.		Cu.-N.	
Cu.		Cu.		Cu.	E	Cu.	E	Cu.-N.	E	Cu.-N.	E
Cu.-N.		Cu.	E	Cu.	E	Cu.		Cu.		Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.		Cu.	
Cu.	E	N.-cf.	E	Cu.	E	Cu.		Cu.		Cu.	
Cu.		Cu.	E	Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.	E	Cu.	E	Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.	SE	Cu.	SE
Fr.-Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		N.-cf.		Cu.		Cu.		Cu.	
Cu.		N.-cf.	E	Cu.	E	Cu.	E	Cu.		Cu.	
N.-cf.	NE	N.-cf.	NE	N.-cf.	NE	Cu.	NE	Cu.		S.-Cu.	
Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	SE	3.5	E	1.5	ENE	1.5	ENE	1.5	N	1.5	NE	1
2	N	1	NE	1	NE	1	NE	1.5	NE	1	NE	.5
3	Calm		Calm		NE	1	NE	1	NE	1	NNE	1
4	E	1	E	1	E	.5	E	.5	E	.5	ESE	1
5	E	1	NE	.5	NE	.5	Calm		Calm		Calm	
6	ENE	1.5	ENE	1	ENE	.5	ENE	.5	ENE	1	Calm	
7	NE	1.5	NE	2	NE	2	NE	1.5	NE	2	ENE	1
8	SE	1	SE	.5	SE	.5	Calm		Calm		Calm	
9	Calm		Calm		Calm		ENE	.5	ENE	.5	ESE	.5
10	SEbyE	2.5	SE	1.5	ESE	1.5	ESE	1	ESE	2.5	SE	2
11	SE	2	Calm		NE	.5	E	1.5	NE	1.5	NE	.5
12	ESE	1	ESE	.5	NE	.5	NE	.5	NE	.5	NNE	.5
13	Calm		Calm		Calm		Calm		NE	.5	E	.5
14	Calm		Calm		SE	.5	ESE	1	NE	1.5	ENE	.5
15	SE	3	E	2	NE	2	NE	2	Calm		E	.5
16	NE	1.5	N	1	Calm		Calm		Calm		Calm	
17	E	.5	E	1.5	E	.5	Calm		Calm		Calm	
18	Calm		Calm		SE	.5	SE	.5	SE	1.5	ENE	1.5
19	Calm		Calm		N	.5	N	1	NNE	1	NNE	1
20	Calm		NE	.5	NE	.5	ENE	.5	NE	.5	NNE	.5
21	Calm		ESE	1.5	E	1.5	NE	1.5	Calm		Calm	
22	ENE	1	E	.5	ENE	1	ENE	4	NNE	2.5	NNE	.5
23	Calm		Calm		Calm		Calm		ENE	.5	ESE	1
24	E	2	ENE	1	ENE	1.5	ENE	1.5	ENE	1	Calm	
25	ENE	.5	Calm		E	.5	E	1	E	.5	Calm	
26	SE	1	SE	1	E	.5	ESE	.5	ESE	.5	E	1
27	SE	1.5	E	1	E	1	E	1.5	Calm		Calm	
28	ENE	1	ENE	1.5	ENE	1.5	ENE	1	ENE	.5	ENE	.5
29	ESE	1.5	SEbyE	1.5	ESE	1.5	Calm		E	.5	E	.5
30	Calm		Calm		Calm		Calm		Calm		Calm	
31	Calm		ESE	1.5	NE	2	NNE	1.5	NNW	1	Calm	
Mean		1		0.8		0.8		0.9		0.8		0.5

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	SE	2.5	E	6	ESE	4	ESE	9.5	EbyS	5.5	E	1
2	ESE	5.5	E	3.5	SE	7.5	SE	5	EbyS	3.5	E	5.5
3	ESE	1	ESE	4	E	2	ENE	4	ENE	1.5	EbyN	1.5
4	W	1	SE	1.5	E	1.5	Calm		Calm		ESE	1
5	SSW	1.5	ESE	6	ESE	4	SE	7.5	SE	4	SE	5
6	SE	13	SE	11	SE	9	ESE	6	ESE	4	ESE	2
7	WNW	1.5	SE	7.5	SE	5	ESE	4.5	ESE	4	ESE	2.5
8	SE	8	SE	4	ESE	5	SE	9	SE	5.5	ESE	2
9	SE	1	SE	5	SE	6.5	SE	8	SE	7	SE	4
10	SE	5	SE	10	SE	9	SE	5	SEbyE	4.5	SEbyE	7
11	W	1.5	W	2.5	W	2	WSW	1.5	WSW	1	WSW	1
12	W	7.5	W	5	W	4	WSW	3	SW	1	SW	3.5
13	WSW	2	W	4	WSW	5	WSW	5	SW	3.5	SW	2.5
14	WNW	5	W	1.5	SE	3	ESE	1.5	SE	5.5	EbyS	1.5
15	WSW	2	WNW	2	NNE	1	Calm		ESE	2	SEbyE	2
16	SSE	1.5	SSE	1.5	SSE	4.5	SE	8	SE	7.5	SE	2
17	W	1.5	SW	3	SE	2.5	SSE	7	SE	9	ESE	8
18	SE	1	NW	1.5	E	.5	SE	5	NNW	6	ESE	1.5
19	W	1.5	WSW	1.5	NW	1	WNW	.5	ENE	2	ESE	2
20	SEbyE	11	SE	6	SEbyE	9	ESE	6.5	ESE	3	SEbyE	3
21	ESE	1.5	ESE	2	ESE	3	ENE	3.5	E	4	ENE	1.5
22	ESE	2.5	SE	7.5	ESE	2.5	EbyN	3	E	2	E	2
23	ESE	7	ESE	2.5	SSE	1.5	S	1.5	SE	3	ESE	2
24	ESE	5	SE	4	SSE	6	SE	3.5	SE	5.5	SE	3
25	SE	10	SE	6	SE	5	ESE	5	ESE	4.5	ESE	6
26	SE	4	SE	11	ESE	2.5	ESE	6	ESE	2.5	SE	6
27	SE	6	SE	4	SSE	3	SEbyS	6.5	ESE	4	SE	3
28	E	6	ESE	1.5	E	4	ESE	2.5	SEbyE	10.5	ESE	1.5
29	SE	10.5	ENE	5.5	ENE	4	NE	1	ENE	1.5	ENE	1
30	E	1	EbyS	2	SE	6	ESE	1	ENE	3	Calm	
31	SE	8	ESE	5	ESE	3	E	2.5	E	5	ESE	2
Mean		4.4		4.5		4.1		4.3		4		2.8

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
NNE	0.5	NE	1.5	SSE	1.5	WNW	2	WbyN	1.5	E	1.5
NE	.5	NEbyE	.5	Calm		Calm		W	2	ESE	5.5
NNE	.5	Calm		Calm		SW	1.5	W	2.5	WSW	4
Calm		NE	.5	SE	2	E	2	ENE	.5	WNW	1.5
NE	.5	N	1	NNE	1	SW	1.5	WSW	2.5	WSW	3
Calm		Calm		E	1	SSW	2	WNW	1.5	WNW	1
NE	1	Calm		W	2	W	2	W	1.5	NNW	4
Calm		Calm		ESE	1.5	SSE	1	SEbyS	5.5	ESE	5
ESE	.5	Calm		ESE	2	SE	3	SE	6.5	SE	1
SE	1.5	ESE	2.5	SEbyE	3	E	2.5	ESE	3.5	SSE	4
E	.5	NNW	1.5	NW	2.5	W	1.5	NW	2.5	W	3
ENE	.5	Calm		ENE	.5	SW	1	WSW	1	WSW	2
Calm		E	.5	Calm		W	2	W	3	W	3.5
Calm		Calm		WSW	1	WSW	1.5	WNW	5.5	WbyN	3.5
Calm		Calm		SE	3.5	NW	1.5	WNW	3	WNW	3
Calm		Calm		E	1.5	SE	4.5	Calm		S	3.5
ESE	1	Calm		E	1	NE	1.5	NW	4.5	W	5.5
ENE	.5	Calm		ENE	.5	E	2	ESE	1.5	NE	1
NbyE	2	NNE	.5	NNW	1.5	NNW	1.5	NNW	1	WNW	3
Calm		Calm		ESE	2.5	ESE	4.5	SSE	5	ESE	6.5
Calm		Calm		Calm		WbyN	2	NNE	2.5	W	2.5
Calm		Calm		SSE	4	SE	6.5	ESE	2	EbyN	4
Calm		Calm		WNW	4.5	WSW	.5	SSE	5.5	SSE	4
Calm		Calm		Calm		WNW	1.5	W	3	W	.5
ENE	1	Calm		Calm		NW	1.5	SE	5.5	SE	12
E	.5	ESE	1.5	ESE	4.5	SEbyE	4.5	ESE	3.5	ESE	6.5
E	1	E	.5	Calm		W	.5	NNW	.5	ESE	5
Calm		Calm		NE	1	Calm		ESE	1	SE	2
ENE	.5	E	2.5	E	2	E	3	SE	2	SE	3
Calm		ESE	.5	E	2.5	ESE	6	ESE	5	ENE	5
Calm		Calm		NW	1	Calm		WSW	1	WSW	4
	0.4		0.4		1.5		2.1		2.8		3.7

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		Midnight.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
E	1	E	2	E	2	E	2	E	2.5	SE	3	2.5
SE	2.5	SE	2.5	SE	3	SE	3	SE	.5	E	.5	2.4
ENE	1.5	E	1.5	ESE	.5	E	1.5	E	.5	E	1.5	1.4
E	1	SE	1.5	E	.5	E	1.5	E	1.5	E	1	1
ESE	3	SE	2.5	SE	2.5	SE	2	SE	1.5	SE	1	2.2
ESE	1.5	SE	3.5	E	2	SE	2.5	SE	4	SE	4	3
ESE	3.5	E	2	ESE	1.5	ESE	1	ESE	1	ESE	.5	2.3
SE	1	SE	1.5	SE	2.5	SE	2.5	SE	3	SE	2	2.5
ESE	3	ESE	3	ESE	2.5	ESE	1.5	SEbyE	2.5	ESE	1.5	2.5
SE	4	SE	2.5	SE	2	SE	3	SE	2.5	SE	2.5	3.5
S	1.5	SSE	1.5	SE	1	SE	1	SE	1.5	ESE	1.5	1.5
SSW	2	SW	3	S	2	S	2	Calm		Calm		1.7
SSW	2.5	S	2	S	2	SSW	1.5	SSW	1	SSE	.5	1.7
ESE	5.5	SE	4	SE	3	SE	3	SE	3.5	SE	3.5	2.3
SE	3	SE	2	SE	2	SE	1	SE	2	E	2	1.7
SEbyE	1.5	SE	2	SE	1	SE	.5	ESE	.5	Calm		1.8
SE	1.5	SE	1.5	SE	2.5	SE	.5	Calm		Calm		2.2
Calm		Calm		ENE	1	Calm		NE	2	ENE	.5	1.2
ESE	2	ESE	1	ESE	.5	ESE	1	Calm		NE	.5	1.1
SE	1.5	SE	5	SE	5	SE	3	E	1.5	NE	.5	3.2
ENE	1	E	1	ESE	.5	SE	1	SE	1.5	ENE	1	1.4
ENE	.5	ENE	.5	ENE	1.5	ENE	1	Calm		Calm		2
EbyS	2	E	2.5	ESE	2	ESE	2	ESE	2	ESE	1.5	1.9
SE	3	SE	2	SE	2.5	SE	3	SE	3	SE	2	2.3
ESE	1	SE	1.5	SE	1	SE	1	SE	1.5	SE	1	2.8
SEbyE	4	ESE	4.5	ESE	2	SE	3	SE	1.5	E	1.5	3.1
ESE	2.5	ESE	2	ESE	1.5	ESE	1.5	ESE	1	ESE	1.5	2
ESE	1.5	E	2	ESE	2.5	ESE	2	ESE	2.5	ESE	2	2
NE	1.5	E	3.5	E	2.5	ESE	3.5	ESE	.5	ESE	1.5	2.3
ENE	4	E	2.5	E	2.5	E	1	E	1	ENE	3.5	1.9
ESE	2.5	ESE	1	ESE	2	ESE	2	Calm		E	.5	1.9
	2.1		2.2		1.9		1.8		1.5		1.4	2.1

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	13	9.5	4.5	4	4	4	3	7	6	7	15	8.5
2	6.5	3	3.5	3.5	4	5	5	2.5	3.5	4.5	13	19
3	2.5	.5	3	4.5	4	4	4	2.5	4	6.5	12	16
4	11	6	5.5	3.5	3	3	4.5	4.5	7	10	**12.5**	8.5
5	6.5	3.5	3	2	.5	2.5	3.5	9	7.5	5	16	16
6	7.5	5.5	4	3.5	4.5	1	2	1	5.5	10.5	17.5	12
7	9.5	5.5	7	5.5	5.5	5	6	2	6	8	17	15
8	6	3	.5	3	2	2	2	2	7	11	20	23
9	6.5	3	3	4	5	4.5	3.5	4.5	11.5	14	16	17.5
10	9.5	9.5	11.5	8.5	9	11	8	9	11	15	17	19
11	9	8.5	2	4	4.5	4.5	5.5	6	10	12	**16**	14
12	6	4	4	4	2	2.5	1.5	.5	4.5	5	11.5	11.5
13	1	1	2	2	2	2.5	1	1.5	2	5.5	16.5	15
14	1.5	0	.5	4	4	3.5	1.5	1	1.5	12.5	16	15.5
15	9	7.5	5	5	5.5	2.5	2	2.5	4	8	15.5	16.5
16	5	4	1.5	1	1	1	.5	1.5	3.5	5.5	10.5	7.5
17	5.5	7.5	4	3	4	1.5	3.5	4.5	4	6.5	13.5	18
18	4.5	5.5	5	5.5	5	6.5	5	3.5	2.5	3.5	8	7
19	1.5	.5	2.5	3.5	7	6	4	6	7	9	14	**14.5**
20	1	1.5	1	2	1.5	2	1.5	2	9	15	18.5	19.5
21	1.5	2.5	4	5	3.5	.5	1.5	1	4	5	7	13
22	5.5	4.5	5	6	8.5	8	.5	0	3.5	2.3	21.5	17.5
23	1.5	.5	0	.5	2	4	6	4	12.5	11	9	**20**
24	6	3.5	4	4.5	4	1	1	1	1	6	13	7.5
25	4	1.5	2.5	3.5	3	2.5	1.5	3.5	4.5	6	17	30
26	9	10.5	6	7.5	6.5	6.5	6.5	6.5	16	19	**28**	21
27	5.5	3.5	3.5	4.5	4.5	1	3.5	4	8	8	6.5	15.5
28	4.5	6.5	7	6.5	5	3	.5	1	6.5	6.5	9.5	14
29	6.5	5.5	5	2.5	1.5	4.5	4	3.5	6	15	19	17
30	5	2.5	.5	1.5	1	2.5	5.5	4.5	11	20	**23.5**	15.5
31	4.5	5	6.5	7	3.5	1.5	0	1.5	8	13.5	11	15.5
Mean	5.7	4.4	3.8	4	3.9	3.5	**3.2**	3.3	6.4	9.9	14.9	15.5

AMOUNT OF CLOUDS (0–10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	1	2	3	4	7	6	6	5	7	6	10	7	5.3	8 35
2	3	4	2	2	5	6	4	4	3	3	3	3	3.5	8 55
3	5	8	7	3	4	8	7	6	7	8	7	6	6.3	4 00
4	3	2	3	8	10	9	8	10	10	8	9	8	7.3	2 40
5	6	3	3	4	3	5	9	4	3	2	2	2	3.8	8 20
6	2	1	1	5	6	7	5	4	3	3	3	3	3.6	9 20
7	1	1	5	4	6	5	4	5	5	7	8	10	5.1	8 20
8	4	7	6	6	5	3	3	3	6	5	3	4	4.6	9 35
9	5	3	3	3	4	6	7	7	8	4	4	2	4.7	8 00
10	2	2	4	4	4	4	4	3	3	1	1	2	2.8	10 20
11	2	2	3	3	2	2	1	0	0	2	1	2	**1.7**	**10 30**
12	1	1	1	0	0	1	2	3	2	2	4	8	2.1	10 00
13	9	4	0	0	5	5	1	0	0	1	1	2	2.3	7 40
14	2	1	2	2	2	2	4	3	3	4	8	9	3.5	8 30
15	6	4	6	5	6	8	6	8	10	10	10	10	7.4	5 20
16	4	3	3	4	5	6	6	8	5	8	7	8	5.6	7 30
17	9	8	7	6	7	5	4	4	3	3	2	2	5	8 05
18	3	10	9	8	9	10	10	8	9	10	10	10	8.8	**1 45**
19	10	9	8	10	8	10	10	10	9	9	8	7	**9**	**1 45**
20	2	1	3	6	8	8	5	5	6	8	9	9	5.8	7 45
21	3	2	6	8	9	7	8	7	8	8	7	5	6.5	6 20
22	2	3	8	9	4	4	5	6	5	2	1	2	4.2	7 10
23	10	4	7	10	8	7	5	6	3	3	2	2	5.6	5 50
24	9	10	10	10	9	5	5	2	1	1	0	0	5.2	6 30
25	2	2	1	4	3	3	2	2	3	2	1	1	2.2	9 30
26	0	2	2	1	1	2	2	4	3	3	8	8	3	9 30
27	2	4	4	5	3	2	4	2	2	1	1	1	2.6	9 45
28	1	1	4	10	4	4	3	5	4	2	2	5	3.8	9 00
29	1	2	3	5	3	5	7	10	10	7	2	2	4.8	6 25
30	8	8	3	2	2	2	7	7	6	7	1	1	4.5	6 25
31	2	1	6	7	7	7	6	7	8	8	7	4	5.8	8 10
Total														231 30
Mean	3.9	**3.7**	4.3	5.1	5.1	**5.3**	5.2	5.1	5	4.8	4.6	4.7	4.7	7 28

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–mdt.	Mean.
16.5	19	19	**27**	24	10.5	6.5	5	8	8.5	9.5	10	10.4
21	17.5	18.5	**25**	52	15	13.5	9	8.5	10	8	4.5	10.2
6	18	19	**21**	18	11	11	12	7	11	8	9	8.9
11	11	12	8	4.5	5.5	8.5	6.5	2.5	4.5	4	3.5	6.7
10.5	13.5	23	**25**	24	19	19	14	14	11	12	11	11.3
31	**31**	30	25	24	19.5	12.5	13	9.5	8.5	11	15	12.7
16.5	12.5	**28**	21	17	16	15	11	8.5	6.5	6	1.5	10.5
24	20.5	19.5	21	19	17	11	7.5	6.5	8	13	9.5	10.8
9.5	12.5	**25**	22.5	23	20	15	15	14.5	10	12	11.5	11.8
25	27	**33**	28	29	24	19	11.5	7	8	7.5	10	**15.3**
12	11	9	13	9	9	10	7	5	5.5	10.5	7	8.5
15.5	19.5	**20**	14	6	14	17	13.5	13	6.5	4	1	8.4
14	17	14	19	**24**	15	12	13	8.5	6.5	6.5	4.5	8.6
18	12.5	13	15.5	16.5	14	15	16.5	12.5	10.5	9.5	12	9.5
17.5	12	10.5	2.5	9	16	10	9.5	7.5	5.5	6.5	6.5	8.2
10	13	14	16	**22**	16	12	17	12	4.5	3.5	2	7.7
10	9	20	21	**24**	21	13	10	12	7.5	4	3	9.8
4	7	5	9	**17**	7	7	5	4	2	4	6	**5.8**
10.5	12	10	8.5	6.5	12.5	10.5	10	5.5	6.5	5	2.5	7.3
30	**32**	26	26	17	19	18	13	18	12	7	4	12.4
9	21	**23**	**23**	16	13	9	10	5	8	7.5	6	8.3
19.5	**25**	23	21	19	18	13	9	4	3.5	2.5	0	10.9
19	17	10	11	17	16	9	7.5	9	5.5	8	8	8.7
15	12.5	14	**19**	16	11	14	8.5	8.5	10	11	8.5	8.4
31	23	27	22	23	20	13	9	7	6	10	9	11.6
25	24	21	22	17.5	19.5	17.5	14.5	10.5	8.5	9	7	14.1
20	**25**	24	19	20	18	11.5	8.5	8	8	8	4	10.1
19.5	17	17.5	17	**19.5**	16	11.5	6.5	9	8	8	7	9.5
28	25	17	12	11.5	15	17.5	12	9.5	11.5	8	2	10.8
16.5	22.5	20.5	16.5	17	11	14	13.5	8.5	6.5	3.5	14	10.7
21.5	**27**	22.5	24	21	17	10	8.5	10	9.5	6.5	2.5	10.7
17.5	18.3	**19**	18.5	17.8	15.3	12.8	10.5	8.8	7.7	7.5	6.5	10

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW	W.	WNW	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1	1	1	2	2	9	3	3	1						2				249	6.3	0.5
2	1		6	1	3	3	7						1				2	245.5	8.2	
3		2	2	4	6	3					1	1	1				4	214.5	7.4	
4			1	1	12	2	3						1	1			3	160.5	4.6	
5	1	1	3		1	3	8			1	1	2					3	271	8	
6				5	2	4	7			1				2			3	304.5	8.8	
7			6	1	1	8	2						3	1		1	1	251.5	7.2	
8						4	13	2									5	258	9.3	
9				2		8	10										4	283.5	8.9	
10					1	5	17	1										**367**	9.8	
11			3		2	1	4	1	1			3	5		2	1	1	204	6.9	
12		1	3	2		2			2	1	4	3	3				3	201	6.2	
13			1		2			1	2	3	2	3	4				6	206	5.6	
14			1	1		4	8					2	1	3			4	227	7.4	
15		1	2		3	1	8					1		3	1		4	196	5.8	
16	1		1		1	1	8	3	1								8	184.5	5.6	2
17			1		4	2	6	1			1		2		1		6	236	8.7	
18			2	5	2	2	5								1	1	6	**138.5**	**4.1**	.1
19	2	4	1	1		5						1	1	2	1	3	3	175.5	4.2	
20		1	4	1	1	5	8	1									3	296.5	8.3	
21		1	1	4	3	5	2						1	1			6	199	7.1	
22		2		7	5	3	2	1									4	261	**8.5**	
23				1	1	9	1	3	1			1		1			6	208	6.5	
24				4	1	1	10	1					2	1			4	200.5	6.5	
25				2	3	4	10								1		4	279.5	9.5	
26					4	11	9											339	**10.1**	
27					5	8	4	2					1			1	3	242	8.8	
28			1	6	3	9	2										3	227	8.6	
29			2	5	7	5	4										1	259	7.8	
30				4	6	5	1										8	257	8.8	
31		1	1		3	8	1					2			1	1	6	257.5	8.6	
Total	6	15	44	59	91	134	163	18	7	6	9	19	26	17	8	8	114	7,399.5	232.1	2.6
Mean	**0.2**	0.5	1.4	1.9	2.9	4.3	**5.3**	0.6	**0.2**	**0.2**	0.3	0.6	0.8	0.5	0.3	0.3	3.7	238.7	7.5	0.1

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm		°*C.*		*P. ct.*	*mm.*	*mm.*		°*C.*		*P. ct.*	*mm.*
1	762	9. 35a.	35. 2	2. 15p.	87	18. 1	758. 30	3. 25p.	19. 2	6. 05a.	39	15
2	62. 99	9. 00a.	34. 8	1. 05p.	88. 5	17. 2	59. 55	3. 15p.	18. 3	6. 35a.	39	14. 7
3	63. 40	8. 00a.	35. 2	2. 55p.	85	17. 5	60. 13	3. 00p.	20	5. 40a.	41	15. 1
4	63. 20	9. 30a.	31. 9	10. 05a.	84	18. 4	60. 08	3. 00p.	20	5. 45a.	52	15. 1
5	62. 25	9. 15a.	34. 5	2. 25p.	88	17. 3	58. 71	3. 00p.	18	6. 30a.	42	14. 4
6	62. 42	8. 00a.	34. 3	2. 40p.	85	18. 1	58. 80	3. 05p.	20	6. 05a.	43	15
7	62. 70	9. 30a.	35. 3	2. 50p.	77. 5	17. 8	59. 25	2. 45p.	20. 4	6. 25a.	44	14. 4
8	62. 75	9. 05a.	35. 5	2. 50p.	86	19. 2	59. 75	3. 25p.	22	6. 15a.	36	14. 5
9	63. 48	9. 00a.	34. 2	2. 40p.	80	18. 4	59. 77	4. 00p.	21. 4	5. 40a.	46	15. 5
10	63. 45	8. 55a.	34. 4	1. 25p.	**74**	16. 9	59. 15	4. 00p.	22. 7	6. 40a.	39	13. 4
11	61. 85	9. 45a.	34	3. 15p.	80	17. 7	57. 65	4. 15p.	**17. 8**	6. 15a.	40. 5	**12. 6**
12	**59. 85**	8. 55a.	33. 5	0. 50p.	85	19. 1	56. 95	3. 40p.	20. 4	6. 05a.	46	15. 2
13	60. 55	9. 15a.	33. 8	2. 40p.	87	**21. 4**	**56. 90**	4. 30p.	20. 5	5. 55a.	50	15. 7
14	61. 30	9. 30a.	35. 9	2. 55p.	**91**	21. 3	57. 60	3. 35p.	**23**	3. 20a.	42	17. 2
15	61. 72	10. 00a.	34. 2	1. 55p.	88	20. 7	58. 55	3. 50p.	21. 8	5. 55a.	49	16. 4
16	62. 05	8. 55a.	34. 7	1. 10p.	**91**	21. 2	58. 20	3. 30p.	21. 7	6. 10a.	51	**17. 6**
17	62. 90	9. 35a.	34. 1	2. 40p.	90	17. 3	58. 85	4. 15p.	19. 7	6. 10a.	37	**12. 6**
18	63. 45	9. 25a.	31. 9	10. 45a.	84	19. 8	60. 40	3. 30p.	21. 2	5. 35a.	48	14. 4
19	63. 70	10. 10a.	**31**	1. 05p.	84	19. 2	60. 35	3. 40p.	22. 6	5. 45a.	**59. 5**	16. 6
20	62. 75	8. 40a.	32. 9	3. 45p.	89	18. 3	59. 70	3. 10p.	20. 3	5. 35a.	46	15. 4
21	63. 81	10. 00a.	34. 8	2. 05p.	87	17. 5	**60. 65**	3. 10p.	20. 5	6. 20a.	40	14. 2
22	**64. 30**	8. 40a.	35	3. 25p.	82	18. 9	60. 50	4. 00p.	21. 2	5. 20a.	**32**	**12. 6**
23	63. 45	10. 00p.	34. 4	3. 30p.	76. 5	19. 7	59. 90	4. 25p.	22. 5	0. 45a.	41	14. 9
24	63. 20	8. 30a.	35. 3	3. 05p.	88	18. 4	60. 05	3. 30p.	20. 1	6. 20a.	37	14. 8
25	63. 75	8. 45a.	35. 3	2. 10p.	88	19. 6	59. 85	3. 15p.	20. 3	5. 40a.	39	14. 3
26	63. 63	8. 00a.	35. 1	1. 50p.	76	**16. 7**	59. 75	3. 10p.	19. 4	5. 55a.	39	13. 1
27	63. 60	8. 50a.	35. 2	2. 05p.	81	17. 4	59. 80	3. 20p.	21. 2	5. 40a.	34	13. 5
28	63. 35	10. 20a.	35. 4	2. 40p.	78	18. 1	59. 42	4. 00p.	20. 3	5. 50a.	39	14. 4
29	62. 95	9. 10a.	35	0. 25p.	80	17. 8	60. 40	4. 20p.	21. 2	5. 35a.	43	14. 8
30	63. 16	9. 00a.	**36. 1**	11. 50a.	84	17. 6	60. 50	2. 30p.	20. 1	5. 50a.	**32**	13. 2
31	62. 95	9. 05a.	34. 8	1. 30p.	83	17. 8	59. 90	2. 50p.	21. 5	6. 20a.	45	15. 3
Mean	762. 80	--------	34. 4	--------	84. 1	18. 5	759. 33	--------	20. 6	--------	42. 3	14. 7

DAILY GENERAL REMARKS.

1____d, gusty ESE winds in the afternoon.
2____Somewhat gusty SE winds in the afternoon.
3____d° in the morning.
4____Overcast.
5____Coloration of upper clouds at sunrise.
6____Gusty SEly winds in the afternoon.
7____Somewhat gusty SE winds in the afternoon.
8____Gusty SEly winds in the afternoon.
9____Somewhat gusty SE winds in the afternoon.
10____Gusty SE winds in the afternoon.
11____Fair weather.
12____Somewhat gusty W winds in the afternoon.
13____Fair weather.
14____Cloudy weather.
15____Overcast.
16____●, somewhat gusty SE winds in the afternoon.
17____○° in the morning; gusty SEly winds in the afternoon.
18____d° in the afternoon.
19____Coloration of clouds at sunset.
20____Gusty SEly winds in the afternoon; coloration of clouds at sunset.
21____Cloudy weather.
22____Somewhat gusty SE winds in the morning and afternoon; coloration of upper clouds at sunset.
23____d° in the morning; somewhat gusty ESE winds in the afternoon.
24____d° in the morning.
25____Gusty SE winds in the forenoon and afternoon.
26____As yesterday.
27____Somewhat gusty SEly winds in the afternoon.
28____Gusty SEly winds in the afternoon.
29____As yesterday.
30____≡° early in the morning.
31____≡° early in the morning; somewhat gusty SE winds in the afternoon.

OBSERVATIONS FOR APRIL, 1912.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	61.65	61.30	60.95	61	61.30	61.69	62.09	**62.74**	62.73	62.41	62.03	61.79
2	61.60	61.50	61.35	61.35	61.65	62.23	62.42	**62.78**	62.62	62.55	62.06	61.37
3	61.60	61.45	61.15	61.30	61.55	61.67	62.32	**62.77**	62.74	62.62	62.29	61.74
4	60.70	60.50	60.45	60.55	60.65	60.99	61.45	61.95	61.97	**62.13**	61.54	60.57
5	60.40	60.25	60.05	60	59.95	60.19	60.59	61.23	**61.33**	61.19	60.93	60.49
6	60.70	60.50	60.30	60.40	60.60	60.81	61.24	61.67	**61.91**	61.79	61.48	60.70
7	61.15	60.95	60.70	60.70	60.90	61.22	61.70	62.37	**62.53**	62.39	61.99	61.33
8	61.05	60.80	60.40	60.55	60.55	60.93	61.29	61.65	61.97	**61.99**	61.74	61.03
9	61.10	60.75	60.65	60.75	61.10	61.57	62.02	62.23	62.29	**62.30**	62.03	61.37
10	61.60	61.45	61.45	61.50	61.90	62.33	62.90	63.07	**63.33**	63.26	62.80	61.97
11	62.55	62.15	61.60	61.80	62.05	62.57	63.03	63.49	63.59	63.38	62.78	62.20
12	63.35	62.90	62.70	62.80	62.90	62.88	63.13	63.69	**63.74**	63.48	63.12	62.36
13	63.35	63.10	62.80	62.90	63.40	63.85	64.35	**64.79**	64.77	64.72	64.55	63.92
14	63.70	63.55	63.25	63.15	63.20	63.47	64.14	**64.73**	64.49	64.33	63.90	63.07
15	62.35	62.20	61.95	61.85	61.95	62.53	63.35	**63.43**	63.37	62.89	62.40	61.63
16	61.70	61.40	61	61.05	61.30	61.67	62.17	**62.80**	62.77	62.48	62.28	61.77
17	61.65	61.45	61.30	61.35	61.65	61.84	62.25	**62.52**	62.44	62.35	62.15	61.71
18	61.40	61.30	61.20	61.30	61.45	61.65	62.17	**62.59**	62.47	62.34	61.93	61.33
19	61.25	60.95	60.75	60.80	60.95	61.13	61.64	**61.96**	61.87	61.67	61.67	61.10
20	60.45	60.20	59.55	59.75	60.05	60.40	60.95	61.57	**61.73**	61.68	61.11	60.30
21	60.35	60.05	59.60	59.60	59.90	60.37	60.99	61.09	**61.13**	60.77	60.37	59.77
22	60.55	60.35	60.15	60.10	60.30	60.85	61.29	61.46	**61.57**	60.98	60.75	60.02
23	60.15	59.75	59.65	59.85	60.05	60.13	60.36	60.48	**60.56**	60.38	59.80	59.30
24	59.85	59.55	59.25	59.40	59.65	59.80	60.19	60.68	**60.72**	60.39	59.97	59.35
25	59.40	58.85	58.60	58.85	59.20	59.90	60.39	**60.61**	60.52	60.21	59.62	59.04
26	60	59.75	59.55	59.75	59.80	60.04	60.54	**61.04**	60.93	60.99	60.77	60.23
27	60.35	60.25	60	60.05	60.10	60.32	60.73	61.04	**61.20**	60.76	60.39	60.13
28	60.40	60.15	60.10	60.05	60.35	60.59	60.95	61.33	**61.49**	61.16	60.62	59.98
29	59.50	59.20	59.05	59.15	59.50	59.88	60.07	60.22	**60.25**	60.08	59.75	58.88
30	58.40	57.90	57.65	57.80	58	58.15	58.78	59	**59.12**	58.83	58.47	57.76
Mean	61.08	60.82	60.57	60.65	60.86	61.19	61.65	62.03	**62.07**	61.88	61.51	60.87

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	24.2	23.8	23.3	23.6	23.6	**23.1**	23.2	26	29.5	29.1	29.2	29.9
2	22.8	21.9	21.4	21.6	21	**20.9**	23.8	25.7	28.1	29.4	**30.8**	30.3
3	22.7	22	21	21.3	21.4	**20.8**	23.8	27.2	28.3	28.5	29.6	30.7
4	25.3	24.8	24.4	22.8	**21.6**	**21.6**	23.8	27.7	28.5	28.7	31.2	32.4
5	24.6	23.2	22.1	21.7	**21.1**	**21.1**	24.8	27.4	28.2	28.7	29.6	30.4
6	25.2	24.8	23.9	23.6	23	**22.4**	23.8	27.5	28.5	29.5	30	31.3
7	22.9	22.7	22	21.6	**21.1**	21.4	24.9	27.5	30.1	30	29.8	30
8	24.2	23.3	23.1	22.7	22.6	**22**	23.3	27	28.6	29.7	30.1	31.8
9	21.2	22	20.8	20.5	20.1	**19.3**	21.7	26.6	28.6	29.4	29.7	31.4
10	24.3	24.1	23.7	23.3	22.8	**22.5**	25.3	29	29.8	30.5	31.1	32.1
11	26	24.9	24.9	24.3	23.5	**23.4**	25.5	28.8	29	30.6	31	31.4
12	25.8	25.3	24.8	24.2	24	**23.6**	25.7	28	30.2	29.7	31.7	32.3
13	26.7	25.5	25.1	24.5	24.1	**23.4**	24.8	27.2	29.8	29.8	31.3	30
14	23.7	22.9	23.4	22.8	22	**21.7**	23.8	27.7	30.1	31.1	30.9	**32.1**
15	23.7	23	22.7	22.5	**21.7**	23.3	23.3	26.2	29.3	30.5	31.2	32.2
16	23.6	22.6	22.3	21.6	20.9	**20.8**	24.7	27.3	28.4	29.3	29.7	30.7
17	23.6	23.4	22.6	21.8	21.4	**21.1**	25.1	28.3	29.9	31.7	30.1	28.6
18	24.3	23.1	**22.3**	23.1	23.1	23	24	26.3	28.3	29.9	31.7	32.5
19	24.7	24.4	23.8	22.8	**21.9**	**21.9**	25.9	29	30.5	30.5	29.9	30.9
20	23.6	22.6	22.2	21.8	**21.5**	**21.5**	25.6	28.9	31.1	29.6	31.6	33.3
21	25.8	24.7	24	23.4	23.4	**22.5**	27	29.5	31.6	32.7	33.4	34.8
22	25.7	25.1	24	23	22.3	**21.8**	25.9	28.9	31	33	32	34.7
23	25.8	25	**24.5**	24.7	25.3	24.6	28.1	30	32	33	33.7	34.6
24	25.7	24.8	24.1	23.5	22.8	**22.4**	27.5	29.5	29.9	30.4	30.8	32.8
25	25.4	24.8	24.7	24.2	23.2	**22.9**	27.3	29.3	31.5	32.6	33.8	33.9
26	22.8	22.6	21.9	21.2	**21.1**	21.3	25.5	29.2	31.1	30.2	31.5	32
27	25.2	25.6	25.1	24.6	24.2	**24**	27	29.9	30.7	32.4	35	32
28	22.9	22.1	21.9	**21.4**	21.5	21.7	25.7	29.3	29.6	30.8	31.6	32.4
29	26.4	25.7	25.9	25.9	**25.3**	**25.3**	27.2	30.3	31.2	32	33.5	34.5
30	27.1	26.7	26.2	25.9	25.6	**25.4**	28.8	30.3	30.4	30.7	31.4	35.3
Mean	24.5	23.9	23.4	23	22.6	**22.4**	25.2	28.2	29.8	30.5	31.2	32

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
60.86	60.40	59.77	**59.47**	59.63	60.21	60.51	61.20	61.65	62.05	61.95	61.90	61.30
60.43	59.81	59.82	**59.71**	60	60.48	61.14	61.55	61.90	62.15	62.15	62.10	61.45
60.53	60.02	59.76	**59.72**	59.85	59.93	60.25	60.55	60.90	61.25	**61.20**	61.05	61.18
59.77	58.92	58.40	**58.39**	58.62	59.08	59.60	60.10	60.45	60.65	60.65	60.55	60.36
59.51	58.88	58.41	**58.22**	58.25	58.72	59.25	59.95	60.40	61.05	61.25	61.05	60.06
59.77	59.24	58.70	58.66	**58.55**	58.99	59.50	60.30	60.95	61.60	61.75	61.45	60.48
60.72	60.12	59.56	**59.26**	59.32	59.56	60	60.65	60.90	61.60	61.55	61.15	60.93
60.20	59.36	58.87	**58.71**	58.92	59.30	59.95	60.60	61.05	61.60	61.60	61.20	60.64
60.57	59.82	59.21	**59.07**	59.30	59.96	60.45	60.80	61.40	61.95	62.05	61.85	61.02
61.18	60.71	60.10	**59.86**	60	60.40	60.80	61.60	61.95	62.75	62.85	62.75	61.77
61.45	60.85	60.40	**60.11**	60.20	60.97	61.40	62.40	62.80	63.25	**63.65**	63.60	62.18
61.42	60.74	60.36	**60.25**	60.75	61.31	62.10	62.65	63	63.55	63.70	63.50	62.52
63.16	62.55	61.71	**61.57**	61.65	62.17	62.75	63.15	64	64.25	64.15	64	**63.40**
62.21	61.47	60.97	**60.77**	60.98	61.50	61.85	62.30	62.75	62.80	62.65	62.45	62.82
60.85	60.32	59.72	**59.65**	59.90	60.47	60.80	61.35	61.95	62.25	62.05	61.90	61.71
60.85	60.02	59.61	**59.45**	59.61	60.05	60.25	60.70	61.25	61.80	62.15	62	61.26
60.73	60.32	60.12	59.77	**59.65**	60.11	60.35	60.85	61.50	61.80	61.65	61.50	61.29
60.57	59.81	59.31	**58.94**	58.97	59.05	59.30	59.65	60.15	61	61.45	61.30	60.86
59.90	59.27	58.57	58.39	**58.38**	58.75	59.35	59.95	60.40	60.80	60.95	60.75	60.47
59.45	59.04	**58.64**	**58.64**	58.74	59.19	59.75	60.20	60.70	61	61	60.70	60.20
58.94	58.40	58.23	**58.18**	58.35	58.79	59.35	59.90	60.45	61	61	60.80	59.89
59.31	58.63	58.22	**57.97**	58.05	58.45	59.15	59.50	60.15	60.30	60.50	60.20	59.95
58.53	58.03	57.83	**57.78**	57.93	58.30	58.95	59.25	59.70	60.35	60.45	60.05	59.48
58.37	57.35	57.21	**57.14**	57.41	58.02	58.30	59	59.25	59.70	59.75	59.75	59.17
58.28	57.53	57.30	**57.05**	57.41	58.02	58.60	59.10	60.05	60.20	60.30	59.95	59.12
59.21	58.24	57.83	**57.44**	57.60	58.09	58.55	58.95	59.55	60.30	60.60	60.45	59.59
59.31	58.24	57.98	**57.93**	58.13	58.91	59.60	60.35	60.75	60.90	61	60.75	59.97
58.89	58.16	57.65	**57.31**	57.63	58.07	58.65	59	59.55	60.05	60	59.85	59.67
57.79	56.98	56.35	**56.18**	56.27	56.84	57.80	58.40	58.80	59.20	59.05	58.70	58.66
56.87	55.98	55.29	**55.24**	55.55	56.23	57.10	57.35	57.90	58.40	58.55	58.20	**57.60**
59.99	59.31	58.86	**58.69**	58.85	59.33	59.85	60.38	60.87	61.32	61.39	61.18	60.63

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
31	30.5	**31.4**	**31.4**	30	28.2	26.9	25.8	24.9	23.9	24	23.2	26.7
30.4	29.7	28.8	30	30	28.4	27.3	25.7	25.6	25.2	24.7	23.7	**26.1**
32.5	**33.2**	32.7	30.7	29.8	28.9	27.5	26.4	25.9	25.5	25.3	25.4	26.7
30.3	31.5	**33.5**	**33.5**	30.8	28.7	27.4	26.4	25.5	25.5	25.5	25.4	27.4
31.9	32	32.9	**33.6**	31.8	30	28.3	27.8	27.3	26.9	26.3	25.8	27.4
32	32.6	33	**33.1**	31.7	29.9	28.5	26.9	26	24.8	23.7	23.6	27.5
29.7	29.8	30.3	**30.7**	29.8	28.7	27.3	26.4	25.9	25.5	25.7	25.1	26.6
32.8	32.5	**33.8**	32.5	31.6	29.6	28.4	26.6	25.8	23.8	22.8	22.1	27.1
32.9	**34**	33.6	33.9	32.5	30.5	29.1	28.1	27.4	26.8	25.9	24.9	27.1
32.4	32.7	33.7	**34.4**	32.2	29.9	28.7	27.9	27.5	26.7	26.1	26.1	28.2
32.1	32.6	**34.3**	33.9	33.6	30.7	28.7	27.7	27.4	27.4	27	26.3	28.5
32.5	32.7	**34**	33.2	30	29.2	29	28.4	28.1	27.9	27.6	27.3	28.6
31.2	**32.7**	32	31.4	29.8	28.6	27.6	27.1	26.2	25.3	25	24.2	27.6
31.7	30.9	31.8	32	29.5	28.3	27.5	27.3	26.7	26.5	25.8	24.6	27.3
31	30	**33**	32.6	30.9	29.4	27.9	26.7	25.9	25.3	25.5	24.6	27.2
32	32.5	**33.7**	33	31.4	30.5	28.6	28.6	27.2	26.1	25.4	24.4	27.3
31.2	29.7	28.9	31.7	**31.8**	29.5	28.1	26.8	25.8	25.4	25.2	24.5	26.9
33.3	**33.9**	33.8	**33.9**	32.5	30.8	29.1	27.7	26.9	26.4	24.9	24.9	27.9
34.2	33	33.1	33.4	33	30.2	28.6	27.2	26.5	25.8	25.2	24.4	28
33.6	33.8	**34.3**	33.7	**32.7**	30.4	28.9	28.3	27.6	26.4	25.8	25.9	28.1
34.9	34.5	33.5	33.3	**32.9**	30.3	28.6	27.6	26.6	26.5	26.3	25.9	28.9
35.5	35.2	**35.7**	35.2	33.2	30.9	29.5	28.9	28	27.7	27	26.6	29.2
34.6	35.4	**35.7**	34.8	33.3	30.6	29.1	28	27.6	27	26.6	25.8	29.6
34.7	34.6	34.1	33.4	31.4	30.5	29	27.9	27.2	26.8	26.4	25.9	28.6
34.2	34	33.8	32.9	32.3	30	28.5	27.6	26.8	26.1	25	23.8	28.7
32.7	34.4	**34.6**	34.2	32.9	30.6	29.2	28.3	27.7	26.8	26.1	25.5	28.1
35.3	34.3	34.8	34.3	33	29.9	27.9	27.2	25.8	25.6	25.1	24.4	28.9
34.7	34.6	**34.9**	34.3	32.2	29.8	28.6	28.1	27.7	27.4	26.8	26.6	28.2
35.5	**36.1**	35.9	35.5	33.8	31.5	30.2	29.3	28.8	28.2	27.9	27.3	30.1
35.8	**36.3**	36.1	35.6	34.2	31.8	30.4	29.3	28.7	28.3	28.1	28	**30.3**
32.9	33	**33.4**	33.2	31.8	29.9	28.5	27.5	26.8	26.2	25.8	25.2	28

RELATIVE HUMIDITY (%).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	73	72	74	76	74	79	77	65	51	56	53.5	53
2	75	80.5	83	81	83	83	77	69	63	58	52	53
3	81	82	85	82	83	82.5	76	65	62	60	59	57
4	69	70	72	79	84	81	75	64	58	57.5	49	45
5	72	76	80	80	83	82	75	63.5	61.5	58	56	54
6	72	73	77	78	81	84	80	69	65	66	64	58
7	79	79	78	79	82	79	72	67	57.5	60	60	58
8	80	84	84	86	84	88	84.5	73	66	60	60	56
9	81	76	82	83	83	87	81	68	60.5	58	55	49
10	82	78	80	80	82	84	77	63	61.5	58	60	58
11	78.5	83	81	84	86	86	84	67	63	57	55	59
12	77	79	80	83	84	85	81	69	60.5	67	60	59
13	69	74.5	73	76	86	89	87	74	60	55	52	55.5
14	79	83	83	85	88	87	82	67	58	54	55	49
15	78	81	82.5	83	87	79	90	70	59	56	49.5	46
16	77	82	79	82	83	84	75	61	62	59	60	57
17	78	78	83	85	85	83.5	75	60	55	46	51	59
18	69	74.5	79	75	75	75	75	63	55	53	49.5	45
19	63.5	65.5	69.5	72	75	76	69	56	51	49	55	52
20	71	76	79	80	81	83	72	63	59.5	62	53	49
21	63	68	71	74	77	80	68	61	52	47	43	41
22	69	73	75	79	80	79	70	53	50.5	43	47	40
23	72	75	75	78	77	81	70	62	51	46	43	39.5
24	68	70	74	73	75	75	65	58	56	56	53	50
25	71	72	73	76	75	76	66	57	49	43.5	41	41
26	75	74	75.5	76	76	74	68.5	54	52	54	48	49
27	71	72	74	75	76	76	67	52.5	52	43	37	42
28	76	80	78	80	78.5	78	69	56	57	57	54.5	51
29	72	73	76	77	77	76	70	62.5	61	55	51	47
30	78	80	82	83	84	82	73	67	66	66	61.5	48
Mean	74	76.1	77.9	79.3	80.8	81.1	75	63.3	57.8	55.3	52.9	50.7

VAPOR PRESSURE (mm).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	16.4	15.7	15.7	16.4	16	16.5	16.3	16.3	15.6	16.8	16.1	16.6
2	15.5	15.7	15.7	15.6	15.5	15.3	16.8	16.8	17.9	17.7	17.2	17.1
3	16.6	16.2	15.8	15.4	15.7	15.1	16.6	17.4	17.6	17.3	18.1	18.6
4	16.6	16.3	16.4	16.4	16.1	15.6	16.4	17.6	16.8	16.8	16.6	16.2
5	16.6	16.1	15.8	15.5	15.4	15.2	17.6	17.2	17.5	17	17.4	17.5
6	17.1	17	17.1	16.9	16.9	17	17.5	18.9	18.8	20.1	20.2	19.7
7	16.3	16.2	15.3	15.1	15.2	15	16.8	18.3	18.2	18.9	18.8	18.3
8	17.9	17.8	17.6	17.6	17.2	17.2	18	19.3	19.1	18.7	19	19.7
9	15.2	14.8	14.9	14.9	14.6	14.6	15.7	17.6	17.6	17.7	17.1	16.8
10	18.4	17.5	17.4	17.1	16.9	17.1	18.5	18.7	19.2	19	20.2	20.8
11	19.6	19.5	19	19	18.5	18.4	20.3	19.6	18.7	18.7	18.3	20.2
12	19	18.9	18.7	18.7	18.6	18.5	19.8	19.3	19.3	20.8	20.8	21.1
13	18	18	17.2	17.4	19.3	19	20.2	19.8	18.6	17.2	17.7	17.5
14	17.2	17.3	17.7	17.6	17.2	16.9	18	18.4	18.4	18.2	18.3	17.6
15	17	16.9	16.9	16.9	16.7	16.7	19	17.8	17.9	18.2	16.7	16.5
16	16.7	16.6	15.8	15.7	15.3	15.4	17.3	16.6	17.7	17.8	18.7	18.8
17	16.9	16.7	17	16.5	16.2	15.6	17.8	17	17.4	15.9	16.1	17.1
18	15.6	15.7	15.8	15.8	15.8	15.7	16.7	15.9	15.8	16.6	17.2	16.3
19	14.7	14.9	15.2	14.8	14.6	14.9	17.3	16.6	16.6	15.9	17.2	17.2
20	15.3	15.5	15.7	15.6	15.5	15.8	17.6	18.8	19.9	19.1	18.3	18.8
21	15.5	15.7	15.8	15.8	16.5	16.2	18.1	18.6	18	17.4	16.4	16.9
22	16.8	17.2	16.7	16.6	16	15.3	17.4	15.6	16.9	16.2	16.6	16.4
23	17.8	17.6	17.2	18	18.4	18.6	19.8	19.4	18	17.2	16.7	16.2
24	16.7	16.3	16.6	15.8	15.5	15.1	17.7	17.8	17.6	18.2	17.4	18.5
25	17.2	16.9	16.9	17	15.8	15.8	17.9	17.2	16.8	15.9	16.1	16.2
26	15.5	15.1	14.7	14.2	14.1	14	16.6	16.3	17.4	17.2	16.6	17.4
27	17	17.6	17.6	17.2	17	16.8	17.7	16.4	17.1	15.5	15.6	14.8
28	15.8	15.8	15.2	15.2	15	15	16.8	17	17.6	18.9	18.8	18.6
29	18.4	17.9	18.9	19.1	18.5	18.2	18.8	20	20.5	19.6	19.5	19.1
30	20.8	20.7	20.8	20.6	20.4	19.8	21.6	21.5	21.4	21.7	21	20.5
Mean	16.9	16.8	16.7	16.6	16.5	16.3	17.9	17.9	18	17.9	17.8	17.9

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
49	46	42	**40**	42	48	54	59	63	68	70	75	60.8
54	56	59	60	57	56.5	61	69	59	67.5	72	76.5	66.9
39	**38**	43	47	48	51	56	65	67	69	70	69	64
55	48	44	**41**	47	52.5	59	63	67	68	68	68	61.8
48	49	47.5	**42**	50	55.5	63	65	67	69.5	72	69	64.1
53	50	49	**46**	47	52.5	53	60	65	70	75	73	65
61	61.5	58	**57**	**57**	59	65	69	72	74	75	76	**68.1**
55	54	46	47	**45**	50	50	61	62	72	74	76	66.6
47.5	**44**	45.5	45	50	55	64	67	68	73	76	79	65.7
56	57	53	**44**	50	60	61	67.5	67	71	77	77	66.8
60	54	44	44	**36.5**	46	54	58	63	66	70	74	64.7
52.5	53	**51**	53	64	64	62	62	60	61	62	66	66.5
50	**45**	46	46.5	55	59	61	63	69	73	74	78	65.4
51	53	**48**	50	53	57	61	62	65	65	68	74	65.7
44	50	42	**41**	52	54	59	64	67	68	68	73	64.3
53	50	**44**	**44**	47	49	58	55.5	63	69	72	74.5	64.2
48	53	58	49	**45**	48.5	54	59	61	64	65	68	63
41	36	36	35	**33**	37	47	50	54.5	59	64	62	**55.9**
43	46	47	43	**38**	45	51	57	59	64	67	68	57.6
47	45	42	**40**	43	49	53	53	54.5	57	59.5	60	59.6
41	43	44	**41**	42	49	52	56	65	66	66	67	57.4
39	41	**39**	41	48	53	58	59	63	65	68	71	58.5
40.5	37	**33**	39	44	54	55	63	66	67	67	70	58.5
45	**44.5**	47	49.5	58	58	63	68	71	72	70	72	62.1
41	40	41	44	**39**	46	54	58	63	66	68	70	57.1
50.5	45	41	**39**	45	52.5	60	62	64	68	68	71	60.1
39	40	39	**37**	41	49	55	53	61	61	66	68	56.1
47	**46**	**46**	47	51	58	63	64	67	68	70	72	63.1
44	43	**42.5**	45	53	58	62	66	69	72	74	**78**	62.7
44	**42**	43	45.5	46	51	59.5	62	63	66	67	66	63.6
47.9	47	45.4	**44.8**	47.6	52.6	57.6	61.3	64.2	67.3	69.4	71.4	62.5

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
16.5	15	14.2	13.5	**13.3**	13.5	14.2	14.5	14.7	15	15.4	15.9	15.4
17.5	17.3	17.5	**18.9**	18.1	16.2	16.4	16.8	**14.3**	16.1	16.6	16.7	16.6
14.3	**14.2**	15.7	15.6	14.9	15.1	15.2	16.6	16.7	16.8	16.7	16.7	16.2
17.5	16.6	17.1	15.9	15.5	**15.3**	16	16	16.2	16.4	16.4	16.3	16.4
16.9	17.2	17.6	16.3	17.4	17.5	18	18.1	18	**18.3**	**18.3**	17.1	17.1
18.8	18.2	18.4	17.1	16.4	16.4	**15.3**	15.7	16.3	16.3	16.3	15.9	17.4
18.8	**19.2**	18.5	18.6	17.8	17.4	17.5	17.7	17.8	17.9	18.3	18.1	17.5
20.4	19.7	18.1	16.9	15.4	15.5	**14.5**	15.8	15.4	15.7	15.3	15.1	17.4
17.6	17.3	17.6	17.6	18.1	17.8	**19.2**	18.9	18.6	19.1	18.9	18.6	17.1
20.4	**20.8**	20.4	17.9	17.9	18.7	17.9	18.8	18.3	18.4	19.4	19.4	18.7
21.2	19.8	17.8	17.4	**14.1**	15.2	16	16.2	**17.1**	18	18.6	18.9	18.3
19.1	19.4	20.2	19.9	20.1	19.4	18.5	17.7	**17**	17.1	17.1	17.9	19
17	16.6	16.1	**15.9**	17.2	17.1	16.7	16.9	17.4	17.4	17.5	17.4	17.6
17.8	17.7	17	17.8	**16.3**	**16.3**	16.6	16.8	16.9	16.7	16.8	**17**	17.4
14.6	15.8	15.6	15	17.2	16.4	16.6	16.8	16.7	16.4	16.4	16.8	16.7
18.8	18.3	17	16.6	16.1	15.9	16.9	16.1	16.8	17.3	17.4	16.9	16.9
16.4	16.4	17.3	17	15.6	**14.8**	15.4	15.4	15.2	15.5	15.4	15.7	16.3
15.6	14.2	14	13.8	**11.9**	12.3	14	13.9	14.3	15	15.1	14.5	**15.1**
17.2	17.2	**17.5**	16.4	**14.1**	14.4	14.9	15.2	15.1	15.9	15.9	15.4	15.8
18.2	17.7	17	15.6	15.8	16	15.8	15.2	15	**14.7**	**14.7**	15	16.5
17	17.4	17.1	15.7	15.7	15.8	**15**	15.5	16.8	16.9	16.7	16.7	16.6
16.8	17.4	16.9	17.2	18.1	17.5	17.6	17.6	17.6	18	18.1	**18.3**	17
16.6	16	**14.6**	15.9	16.8	17.7	16.5	17.6	18.1	17.7	17.4	17.3	17.4
18.5	18.2	18.5	18.9	**19.8**	19	18.7	19	19.1	18.9	17.8	17.8	17.8
16.3	16	15.9	16.5	**14**	14.4	15.7	16	16.5	16.6	16	15.4	16.2
18.5	18.3	16.8	15.5	16.7	17.1	18	17.6	17.6	17.8	17.1	17.1	16.6
16.8	16.2	16.1	14.8	15.3	15.5	15.3	**14.2**	15	14.8	15.6	15.5	16.1
19.3	18.8	19.1	18.8	18.3	18.2	18.2	18.1	18.5	18.3	18.3	18.7	17.6
19.1	18.8	18.6	19.5	20.6	19.9	19.7	20.1	20.4	20.5	20.6	**20.9**	19.5
19.1	18.8	18.8	19.5	18.4	**17.9**	19.2	18.7	18.5	18.8	18.9	18.6	**19.8**
17.8	17.5	17.2	16.9	16.6	16.5	16.6	16.8	16.9	17.1	17.1	17.1	17.1

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	A.-Cu.				A.-Cu.							
2					Ci.							
3												
4			A.-Cu.						Ci.-Cu.			
5												
6											Ci.	
7	A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.	ENE	A.-Cu.		A.-Cu.	
8			A.-Cu.		A.-Cu.		A.-Cu.		Ci.		Ci.	
9	Ci.		Ci.		Ci.						Ci.	
10	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
11									Ci.			
12												
13			A.-Cu.		A.-Cu.		A.-Cu.					
14	Ci.-S.											
15												
16	Ci.		Ci.		Ci.							
17	A.-Cu.											
18												
19												
20												
21												
22												
23												
24												
25	Ci.		Ci.						Ci.		Ci.	
26												
27	Ci.						Ci.					
28											A.-Cu.	
29	A.-Cu.		Ci.									
30	A.-Cu.											

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	S.-Cu.	E	Cu.		Cu.	E	Cu.	ENE	Cu.		N.-cf.	
2	S.-Cu.	ENE	Cu.		Cu.	E	Cu.	E	Cu.		N.-cf.	
3	Cu.		Cu.		Cu.	E	Cu.	E	Cu.		Cu.	
4	S.-Cu.		S.-Cu.		S.-Cu.	E	Fr.-N.	E	S.-Cu.	E	Cu.	E
5	Cu.		Cu.		Cu.		Cu.		Cu.	E	Cu.	E
6	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
7	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	Eby.N
8	S.-Cu.		S.-Cu.		S.-Cu.		S.-Cu.		Cu.		Cu.	
9							Cu.		Cu.		Cu.	
10	S.-Cu.		S.-Cu.		S.-Cu.		Cu.	NE	Cu.		Cu.	
11	Cu.		Cu.		Cu.	NE	N.-cf.	NE	N.-cf.	NE	N.-cf.	
12	Cu.		S.-Cu.		Cu.	NE	Cu.	NE	Cu.	NE	Cu.	
13	Cu.		Cu.		Cu.		Cu.		N.-cf.		Cu.-N.	
14	S.-Cu.		S.-Cu.	ENE	S.-Cu.	ENE	Cu.	ENE	Cu.		S.-Cu.	
15	Fr.-N.		Fr.-N.		Cu.		Cu.		N.-cf.		N.-cf.	
16	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
17	S.-Cu.		Cu.		Cu.		Cu.	E	Cu.-N.	E	N.-cf.	
18	S.-Cu.		S.-Cu.		S.-Cu.		S.-Cu.		Cu.	E	Cu.	
19	Cu.		Cu.		Cu.		Cu.		N.		Cu.	
20	Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	E
21	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
22	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
23	Cu.		Cu.		Cu.	E	Cu.	E	Cu.		Cu.	
24	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
25	Cu.		Cu.		Cu.		Fr.-Cu.	E	Cu.	E	Cu.	
26	Cu.		Cu.		Cu.		Cu.		Cu.		N.-cf.	
27	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
28	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	ESE
29	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
30	S.-Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
				A.-Cu.							
						A.-Cu.					
										A.-Cu.	
A.-Cu.		A.-Cu.								A.-S.	
										Ci.-S.	
Ci.										Ci.	
A.-Cu.		A.-Cu.		A.-Cu.	NE	A.-Cu.	NE	A.-Cu.		A.-Cu.	
						Ci.					
		Ci.		Ci.		Ci.		Ci.		Ci.	
Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
						A.-Cu.					
				A.-Cu.							
A.-Cu.				A.-Cu.							
				A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.	
								A.-Cu.		A.-Cu.	
				A.-Cu.							
Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
A.-Cu.		A.-Cu.						Ci.		Ci.	
										Ci.-S.	
				Ci.		Ci.				Ci.	

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
N.-cf.	E	Cu.-N.	E	Cu.-N.		Cu.	E	Cu.		S.-Cu.	
Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	
Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.		S.-Cu.	
Cu.		Cu.		Cu.		Cu.		Fr.-Cu.		S.-Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
S.-Cu.		S.-Cu.	E	S.-Cu.		S.-Cu.	EbyN	S.-Cu.		S.-Cu.	
Fr.-Cu.	E	Fr.-Cu.	E	Fr.-Cu.	E	S.-Cu.	E	Fr.-Cu.		S.-Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.	NE	Cu.		Cu.		Cu.		Cu.		Cu.-N.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
S.-Cu.	NE	Cu.		N.-cf.	NE	N.-cf.	NE	Cu.-N.		S.-Cu.	
Cu.-N.	E	Cu.	E	Cu.		Cu.	E	Cu.		Cu.-N.	
S.-Cu.	ENE	S.-Cu.	ENE	Cu.	ENE	S.-Cu.		Cu.-N.		S.-Cu.	
N.-cf.	EbyN	N.-cf.	E	S.-Cu.	E	Cu.	E	S.-Cu.	E	S.-Cu.	
Fr.-Cu.		Fr.-Cu.	E	Fr.-Cu.	EbyN	Fr.-Cu.	EbyN	S.-Cu.	EbyN	S.-Cu.	
N.-cf.	ENE	N.	ENE	N.	E	S.-Cu.	E	S.-Cu.	E	S.-Cu.	
Cu.	E	Cu.	E	Cu.		Cu.		Cu.		Cu.	
N.-cf.	E	Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
N.-cf.	E	N.-cf.	E, SE	Cu.	E	Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Fr.-Cu.		Cu.		Cu.		Cu.	ESE	Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.	ENE	Cu.	ENE	Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.	ESE	Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.-N.		Cu.		Cu.-N.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	ENE	0.5	Calm		ESE	0.5	ESE	0.5	E	0.5	Calm	
2	E	1.5	Calm		Calm		NNE	2	Calm		NE	0.5
3	E	.5	Calm		Calm		Calm		E	1	Calm	
4	ESE	2.5	ESE	1.5	EbyS	1	EbyN	1.5	ENE	1.5	ENE	1
5	ESE	1	ENE	1	Calm		Calm		Calm		Calm	
6	Calm		Calm		Calm		NE	.5	NE	.5	Calm	
7	Calm		Calm		Calm		Calm		Calm		Calm	
8	ESE	1	Calm		ESE	.5	ENE	1.5	ENE	1	Calm	
9	ESE	1	E	1.5	ENE	1.5	ENE	1.5	ENE	1	Calm	
10	Calm		Calm		ESE	1.5	ENE	1.5	ENE	1	ESE	1.5
11	ESE	.5	Calm		ESE	.5	Calm		Calm		Calm	
12	Calm		Calm		E	.5	Calm		NE	1	N	.5
13	EbyS	2	EbyN	2.5	E	1.5	E	1	ESE	4	Calm	
14	Calm		Calm		Calm		Calm		ENE	1.5	Calm	
15	Calm		Calm		E	1	N	.5	Calm		ESE	5
16	E	1.5	EbyN	1	EbyN	1	E	1	EbyN	1	Calm	
17	E	1	Calm		Calm		E	.5	E	1	Calm	
18	E	1	E	1.5	E	1	EbyN	1.5	EbyN	1	Calm	
19	E	1	EbyS	1.5	EbyS	1	ENE	1	ENE	1.5	Calm	
20	Calm		Calm		Calm		Calm		Calm		Calm	
21	E	2	ESE	2	ESE	1.5	ESE	2	Calm		Calm	
22	ESE	2.5	ESE	2	E	1.5	E	1.5	E	2	Calm	
23	Calm		Calm		ESE	.5	EbyN	1	ESE	.5	Calm	
24	ESE	2.5	ENE	1.5	ENE	1.5	ENE	1.5	ENE	1.5	NEbyN	1
25	ESE	1.5	ESE	1	SEbyE	1	ESE	1.5	E	1.5	E	1
26	Calm		E	1.5	E	1	E	1	ENE	2	E	1
27	ESE	1	SEbyE	1	SEbyE	1	SEbyE	1.5	ESE	1	Calm	
28	Calm		ESE	1.5	Calm		E	1	ENE	1.5	NE	.5
29	SE	.5	SE	.5	Calm		Calm		Calm		Calm	
30	ESE	1.5	ESE	1	Calm		Calm		Calm		Calm	
Mean		0.9		0.8		0.6		0.8		0.9		0.4

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	SE	3.5	ESE	6.5	SE	4.5	E	3	ENE	3	E	3
2	SE	1.5	SE	6	NE	1.5	Calm		Calm		NNE	.5
3	SE	3.5	SE	8.5	SE	11	ESE	5.5	E	3.5	EbyS	2.5
4	WSW	2.5	WNW	2.5	Calm		Calm		E	2.5	SEbyE	2.5
5	W	3	W	3.5	SW	.5	Calm		SEbyS	5	ESE	.5
6	WSW	1.5	WSW	1.5	SW	1	SE	5	SE	7	SE	4
7	EbyN	1.5	ESE	1	ESE	1.5	SEbyS	4	SE	3.5	SEbyS	4
8	W	2.5	WbyS	2	SEbyS	6	SEbyS	8.5	SE	7	SE	.5
9	WSW	2.5	W	2	WNW	1	W	1	Calm		SE	1.5
10	WbyS	4	W	1.5	SSW	2	SSE	5	SSE	4.5	S	3
11	SW	1	SW	1	SEbyE	5	SSE	4.5	ESE	4.5	ESE	1.5
12	W	1	SW	1	Calm		SEbyS	5.5	SEbyS	4.5	E	4
13	ESE	4.5	ESE	4	ESE	5.5	ESE	5.5	ESE	4.5	ESE	4
14	ESE	7	ESE	6	ESE	7	ESE	6.5	EbyS	4	EbyN	4.5
15	ESE	3.5	ENE	4.5	SE	4.5	E	4	Calm		ESE	3.5
16	W	4.5	Calm		SE	5	SEbyS	9	SE	8	SE	3
17	WNW	1.5	NW	2.5	NW	4.5	Calm		E	6.5	ENE	2.5
18	SSE	2.5	SSE	5	SE	5.5	SE	3	SE	5.5	ESE	.5
19	ENE	1	W	5	W	3	Calm		SE	4	SE	5
20	E	5	ESE	5.5	EbyS	3.5	SEbyE	6.5	ESE	4	E	.5
21	SE	4.5	ESE	6.5	SE	10	SE	4	ESE	4	ESE	2.5
22	ESE	4.5	ESE	3.5	ESE	3.5	ESE	7	ESE	4	ESE	5
23	SE	5.5	SE	10	SEbyE	6	SE	8	SE	4	SE	4
24	SSE	7.5	SE	10	SSE	7	ESE	8	SE	7.5	SE	8
25	SE	6.5	SE	9	SE	12	SE	8.5	SEbyE	5	ESE	4.5
26	WSW	1.5	WSW	1.5	SSW	1.5	SbyE	4	SE	2	SE	2
27	W	3	SE	8	SE	6	SE	5	SE	5	SE	2
28	SE	3.5	SEbyS	5	SE	5.5	SE	5	SE	8	SEbyE	7
29	SE	9	SEbyE	5	ESE	1.5	SE	8.5	ESE	1.5	ESE	4.5
30	SSE	3.5	SE	2.5	ESE	3	SE	3	ESE	2	SEbyE	3.5
Mean		3.6		4.4		4.3		4.6		4.2		3.1

OBSERVATIONS FOR APRIL, 1912.

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
Calm		Calm		SE	3	SE	2	ESE	1	ESE	0.5
N	0.5	NNE	2	Calm		WSW	3	WSW	3	W	2
Calm		Calm		WNW	2	W	2.5	W	3	WSW	5.5
Calm		NE	.5	WNW	1	WSW	1.5	E	8	E	2.5
ENE	.5	NE	.5	W	1.5	W	2.5	W	5	WSW	1.5
Calm		Calm		SW	1	WSW	2.5	WSW	1	SWbyW	2.5
Calm		Calm		Calm		WNW	3	WNW	1.5	WNW	.5
Calm		Calm		W	1.5	W	2.5	WNW	2	WSW	1.5
Calm		Calm		WSW	1.5	W	1.5	WbyN	4	WSW	3
EbyN	1	SE	.5	SbyE	1.5	SW	4	WSW	1	SWbyW	2
Calm		Calm		WSW	.5	W	2	WSW	1.5	SWbyW	2.5
N	.5	NE	.5	WNW	1	SW	4	WSW	2.5	WSW	4
E	2	E	2	ENE	2.5	ESE	3.5	ESE	9	E	2.5
Calm		SE	2	ESE	2	SE	3	SE	9	ESE	5
Calm		ENE	3	E	2.5	ESE	1.5	ESE	2	ESE	7.5
Calm		Calm		WSW	2	W	1.5	W	5.5	W	7.5
E	1	E	2	E	2.5	ESE	5	EbyS	4	NWbyW	2
Calm		ENE	1	Calm		SE	2	S	1.5	ESE	6
E	.5	E	1	EbyN	1.5	EbyS	3.5	ESE	5.5	NW	1.5
Calm		E	1	E	1	WNW	1	E	2.5	E	6
Calm		Calm		SE	1.5	ESE	2.5	SE	7	SEbyE	8
Calm		NNE	1.5	Calm		ENE	3	SbyE	1.5	ESE	6.5
ESE	3	ESE	1.5	ESE	4.5	SE	9	ESE	3	ESE	4.5
Calm		NNE	1.5	W	1.5	W	2	W	2	W	5.5
E	1.5	ESE	1	Calm		ESE	6	SE	5	SE	7.5
Calm		EbyS	1.5	E	2.5	W	6.5	WbyN	4.5	W	1.5
SE	2.5	ESE	3.5	ESE	2	ESE	2.5	E	3.5	W	2.5
NNE	.5	Calm		W	1	W	3	W	3.5	W	4.5
E	.5	E	2.5	ESE	2	SE	5	SEbyE	5	ESE	4
Calm		SSE	.5	SW	1.5	W	1.5	W	1.5	SSE	2
	0.5		1		1.5		3.1		3.6		3.8

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		Midnight.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
E	2.5	E	4	EbyS	2	ESE	2.5	ESE	2.5	E	1.5	2
Calm		Calm		E	1	E	1	ESE	1.5	E	1	1.2
EbyS	1.5	ESE	3.5	ESE	3.5	ESE	3	ESE	1	ESE	2	2.6
EbyN	2	E	2	ESE	2	SE	3	SE	3.5	SE	3.5	2
ESE	.5	ESE	.5	ESE	.5	Calm		Calm		Calm		1.1
EbyS	1.5	SE	.5	ESE	.5	ESE	.5	Calm		Calm		1.3
ESE	3	ESE	2.5	SEbyE	2	SEbyE	2	ESE	2	ESE	1.5	1.4
ESE	.5	ESE	1.5	ESE	2	ESE	.5	ESE	.5	ESE	1	1.8
SSE	2.5	SSE	3	SEbyS	3.5	SE	2.5	ESE	1	Calm		1.5
SSE	5	SSE	5.5	SE	4	E	2	ENE	1	ESE	1	2.2
SEbyE	3.5	ESE	2.5	ESE	2.5	ESE	3	ESE	2	Calm		1.6
E	4.5	E	4.5	E	5	EbyS	3	EbyS	3	ESE	2.5	2.2
ENE	4	E	2	NE	1.5	ENE	1	Calm		Calm		2.9
ENE	2.5	EbyN	3	EbyN	3	E	2	ESE	2	Calm		2.9
ESE	3.5	E	2	ESE	1.5	ENE	2	ESE	3	ESE	1	2.3
SE	3	ESE	3	ESE	3	SEbyE	1.5	Calm		Calm		2.6
E	2.5	E	1.5	ESE	2.5	SEbyE	3	ESE	3.5	SEbyE	2.5	2.2
ESE	3	ESE	3.5	SEbyE	5	ESE	2.5	NEbyN	.5	E	1.5	2.3
ESE	3	ESE	2.5	ESE	2.5	ESE	2.5	ESE	2	E	1	2.1
E	3	ESE	4	ESE	1.5	ESE	3	ESE	2	ESE	2.5	2.2
ESE	4.5	ESE	3	ESE	3	ESE	4.5	ESE	3.5	ESE	3	3.3
E	4	ESE	2.5	SEbyE	1.5	ESE	.5	Calm		E	1	2.5
SE	4	SE	3.5	SE	3.5	SE	4	ESE	4	ESE	2	3.6
SE	5	SE	5	SE	6	SEbyE	3	SEbyE	2.5	SEbyE	2	3.9
ESE	3.5	ESE	3.5	ESE	3	ESE	1.5	NE	1	E	1	3.6
SE	1.5	SE	1	SE	2	SE	.5	SE	1	SEbyE	1	1.8
ESE	2	EbyS	2.5	ESE	1.5	ESE	1.5	ESE	1	ESE	.5	2.5
SEbyE	5	SEbyE	4.5	SEbyE	4	SEbyE	2	ENE	1.5	Calm		2.8
ESE	3	ESE	3.5	ESE	4	ESE	3	ESE	3	ESE	3	2.9
SE	3	SEbyS	4	SE	5.5	SSE	3	SE	3.5	SE	5	2.1
	2.9		2.8		2.8		2.1		1.7		1.4	2.3

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	3	2	2	5	3.5	3	3	3.5	6	19	**22**	13
2	5	1	1	5.5	5.5	1	2	4	7	12	16	14
3	4	2	2	2	2	3	2	1.5	4	15.5	20	17
4	15.5	9	10.5	6.5	4	5	2.5	4.5	8.5	10	16	18.5
5	6	4	4	1	1.5	1	3.5	6	7.5	11.5	15.5	**17.5**
6	0	1	.5	2	3.5	1	.5	1	4.5	11	15	12
7	1	1	.5	2	2.5	3.5	3.5	4	4	8	14	14.5
8	2.5	2.5	2	4	3.5	3	1.5	.5	3.5	13.5	18.5	13
9	3.5	4.5	4.5	4.5	5	4	3.5	2	4.5	12	15	15
10	.5	1.5	2.5	4.5	3	3	2.5	5.5	10	12	14.5	14.5
11	4	1.5	2.5	3.5	1	1.5	1	2	3.5	10.5	13	17
12	.5	.5	2	1.5	1	2.5	3	6.5	7	10.5	17	16
13	7.5	4	7.5	5.5	11.5	9.5	1.5	10.5	13.5	18	**27**	22.5
14	1	1	.5	1.5	3.5	3.5	2	4	4.5	14.5	23	21
15	.5	0	3	3	1	4	13	8	14	11	15	17
16	4.5	4.5	3.5	3	4.5	3	1.5	2.5	5.5	11	20	21
17	2	2.5	0	1.5	3	4	3	6	11	14	**20**	7
18	6	5.5	3	5.5	5.5	2	2	5.5	5	5	9	11.5
19	4.5	4	4.5	3	3	4	3	6.5	10	13	13.5	6
20	1	1	2	0	1	1	2	4	6	9	13	15
21	9	4	4	4.5	5.5	2.5	3	2	6.5	15	25.5	20
22	10.5	9	5	4.5	5	5.5	6.5	9	11	12	15	18
23	3	1	2	4	5	2	8	14	14	15	18.5	23.5
24	8.5	7	5	4.5	5.5	3.5	.5	6.5	9.5	16	23	17
25	8.5	6.5	7	7	6	5	6	6	9	9	23	26
26	2.5	3	4	3.5	4	6	2.5	4	7.5	11	**19**	17
27	4.5	6.5	8.5	7	8	6.5	5.5	11	15	16	17	18
28	1.5	2.5	2.5	3	4.5	4.5	5	4	7	10	19	17
29	2.5	2	1.5	1	0	1.5	3	7.5	11.5	17	**22.5**	21
30	9	5	3	0	1.5	1	1.5	3	7	9	13	10
Mean	4.4	**3.3**	3.4	3.5	3.8	3.4	**3.3**	5.2	7.9	12.4	17.8	16.4

AMOUNT OF CLOUDS (0–10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	9	8	4	4	9	9	8	10	4	1	1	1	5.7	4 30
2	8	8	5	4	6	10	10	10	10	10	4	6	7.6	3 45
3	2	3	2	4	3	3	4	5	7	9	5	7	4.5	9 00
4	2	1	8	8	7	6	7	5	4	3	2	3	4.7	7 25
5	1	1	2	3	3	3	2	1	1	1	1	3	1.8	10 25
6	2	1	2	3	3	4	4	4	3	4	3	4	3.1	9 05
7	5	3	3	8	9	10	9	9	9	8	7	4	7	3 25
8	2	7	9	6	4	7	4	3	2	4	0	2	4.2	7 40
9	1	1	2	2	2	3	2	2	1	3	4	10	2.8	9 30
10	3	5	8	5	4	3	3	3	2	2	2	3	3.6	9 25
11	1	2	5	6	7	4	2	2	2	2	2	2	3.1	8 40
12	1	6	6	4	4	3	3	3	4	5	9	9	4.8	8 00
13	8	8	6	8	8	9	9	6	5	6	5	6	7	4 45
14	10	8	7	9	8	7	8	9	4	4	9	9	7.7	3 45
15	10	8	8	8	9	9	9	8	7	6	9	6	**8.1**	**2 40**
16	1	1	1	2	2	3	3	1	2	4	6	7	2.8	10 05
17	3	3	4	4	9	9	7	9	9	6	5	7	6.2	6 25
18	10	10	10	8	6	4	3	2	0	0	0	0	4.4	8 00
19	1	3	4	7	9	7	3	3	1	1	0	0	3.2	8 10
20	2	2	4	8	6	5	5	5	4	1	0	0	3.5	8 05
21	1	1	3	2	2	2	2	3	2	1	1	1	1.8	10 50
22	1	1	2	3	3	3	3	3	2	2	1	1	2.1	**10 55**
23	0	1	3	2	1	1	1	1	2	1	1	1	**1.2**	10 50
24	2	1	1	4	3	4	2	1	2	2	2	3	2.2	10 25
25	1	1	1	1	2	2	2	3	2	2	2	3	1.8	**10 55**
26	0	0	1	3	3	3	2	2	1	1	1	1	1.5	**10 55**
27	1	1	1	1	2	3	3	4	3	1	1	2	1.9	10 35
28	2	1	1	2	2	7	6	5	3	2	2	3	3	10 25
29	3	1	4	2	1	2	2	2	3	5	5	7	3.1	9 25
30	2	2	7	7	6	5	2	3	3	3	3	4	3.9	10 50
Total														248 50
Mean	3.2	3.3	4.1	4.6	4.8	**5**	4.3	4.2	3.5	3.3	**3.1**	3.8	3.9	8 18

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–mdt.	Mean.
19	21	21.5	15.5	16	18	12	9.5	6	6	9.5	6	10.2
8	**23**	15	1	5	11	12	4	7	10	10	6	7.8
13	**28.5**	25.5	22.5	19.5	15.5	14.5	13.5	16	17.5	12	13.5	11.9
10	15	9.5	9.5	**21**	14	12	6.5	8.5	10	11	14	10.5
15.5	11	13	7	17	14	13.5	10.5	9.5	5.5	1	3	8.3
14	14.5	11	16	**24**	17.5	8	7.5	6	4	1.5	2	7.4
9.5	4	4	9	14	**15**	11	8.5	8.5	7	7	6	**6.8**
13.5	12.5	22	**25**	**25**	19	12	9	5	4.5	3	3.5	9.2
11	15	**17**	12	7	7	8.5	9	10.5	10	3	2	7.9
16	12.5	14.5	14.5	15.5	**17**	16	15.5	15.5	11	7	4	9.7
13	15	14.5	**19.5**	15	16	12.5	11	10.5	10.5	9.5	3	8.8
15	11	10	23	**26**	22	8	17	12.5	13.5	8.5	6.5	10
20.5	19	17	16.5	21.5	18	17	11	6.5	2.5	1.5	.5	12.1
26	22	22	20	20.5	17.5	12.5	11.5	10.5	10	6	2	10.9
21	18	12.5	13	9.5	9	10	8.5	6.5	8	11	6.5	9.3
13.5	10.5	18	22.5	**25.5**	16	14	11	12	7	2	1	9.9
5	8	8	6	15	13	9.5	8	6.5	9.5	11.5	8.5	7.6
13.5	14	**18.5**	12.5	15.5	13	11.5	12.5	14	11.5	3.5	3	8.7
11	11.5	12.5	8.5	**16**	**16**	13	8.5	8.5	8.5	7	4.5	8.4
19.5	18	17.5	18	14.5	12.5	10	16	10	7	10	7	9
27.5	30	**31**	26	20	12	17.5	14.5	10	12	16	13	13.8
22	18	18	19	21.5	20	15.5	13	9	10	5	5	12
24	**27**	23	20	21	21.5	16.5	12	10	16	15	7.5	13.5
17	25	28	**29**	26	21	17	12	17	13	13	11	14
31	29	**32**	29	26	21	15	14	10.5	8.5	6	4	**14.4**
12	11	9.5	13.5	16	13	9	9	11	8	5.5	8	8.7
15	17	**31**	23	20.5	18	11.5	13	10	10	8	5.5	12.8
19	24	22	24	**26**	22	15	14	13	14	6.5	2	11.8
20	18.5	18.5	16	16.5	16.5	16	11	15	13.5	12.5	12	11.5
11	14	**17**	**17**	**17**	**17**	15	13	15.5	13.5	10	15	9.9
16.2	17.2	17.8	16.9	**18.4**	16.1	12.8	11.1	10.4	9.7	7.8	6.2	10.2

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW	W.	WNW.	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1				2	6	8	4										4	245	7.4	
2	1	3	2		4	1	2					2	1				8	186	5.9	
3					3	8	3					1	2	1			6	286.5	8.5	
4			1	2	6	4	4					2		2			3	251.5	7.4	
5			1	2		5		1			1	1	5				8	199.5	8.1	
6			2			3	4				2	5					8	178	7.2	
7					1	6	3	2						3			9	**162**	**5.3**	
8				2		8	2	2						1	4		4	222	7.1	
9				3	1	2	2	3				3	3	2			5	190	7.4	
10				3	2	3	2	4	2	1	1	2	2				2	233	6.8	
11						8	1	2			2	3	1				7	211	7.3	
12	2		2		5	3		2			2	2	1	1			4	241	7.6	
13			1	3	7	10											3	290	6.9	0.8
14				2	4	8	3										7	260.5	7.2	
15	1			3	4	10	1										5	223	7	
16					5	2	5	1				1	4				6	237.5	8.1	
17				1	9	3	3							1	3		4	182.5	6.4	
18			1	1	6	5	5	2	1								3	208.5	10.6	
19				3	5	9	2						2		1		2	200.5	7.8	
20					7	8	1							1			7	215	8.8	
21					1	13	6										4	331	**10.7**	
22		1		1	5	11	1		1								4	287	9.8	
23					1	9	11										3	323.5	**10.7**	
24		1	1	4		2	9	2					4				1	335.5	9.1	
25			1		4	10	8										1	**345**	10.4	
26				1	5	1	8		1	1		2	2	1			2	209.5	8.9	
27					1	11	9						2				1	306	9.9	
28		1	1	2	1	1	9	1					4				4	282	9	
29					2	11	7										4	277	9.1	
30						4	7	5			1		2				5	238	9.1	
Total	4	6	13	35	95	187	122	27	5	2	9	25	39	13	4	0	134	7,357.5	245.5	0.8
Mean	0.1	0.2	0.4	1.2	3.2	**6.2**	4.1	0.9	0.2	0.1	0.3	0.8	1.3	0.4	0.1	**0**	4.5	245.2	8.2	0

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		*°C.*		*Per cent.*	*mm.*	*mm.*		*°C.*		*Per cent.*	*mm.*
1	762.80	8.15a.	34.2	3.50p.	79	**16.8**	759.40	4.20p.	22.3	6.15a.	40	13.3
2	62.80	8.15a.	**32.2**	11.40a.	83	18.9	59.65	3.40p.	20.7	5.50a.	52	14.3
3	62.80	8.20a.	34.9	0.55p.	85	18.6	59.65	3.45p.	20.5	6.15a.	38	14.2
4	62.13	10.00a.	35	3.20p.	84	17.6	58.35	3.45p.	21.1	5.45a.	41	15.3
5	61.40	9.15a.	35.4	3.55p.	83	18.3	58.15	4.30p.	20.6	6.05a.	42	15.2
6	61.95	8.45a.	34.8	3.25p.	84	20.2	58.55	5.00p.	22	6.10a.	46	15.3
7	62.60	9.25a.	32.5	11.45a.	82	19.2	59.20	4.20p.	21	4.45a.	**57**	15
8	62.05	9.30a.	35.1	2.45p.	88	20.4	58.65	4.10p.	21.4	5.45a.	45	14.5
9	62.35	9.40a.	35.5	4.05p.	87	19.2	59.07	4.00p.	**19.2**	6.05a.	44	14.6
10	63.40	9.10a.	35.2	3.50p.	84	20.8	59.86	4.00p.	22.4	5.50a.	44	16.9
11	63.65	11.00p.	35.7	2.30p.	86	21.2	60	4.40p.	22.8	6.05a.	36.5	14.1
12	63.80	8.55a.	35.4	3.20p.	85	21.1	60.20	3.40p.	22.9	5.55a.	51	17
13	**64.79**	8.00a.	35	2.40p.	89	20.2	**61.50**	4.15p.	22.8	5.35a.	45	15.9
14	64.73	8.00a.	34.2	0.55p.	88	18.4	60.77	4.00p.	21.2	5.20a.	48	16.3
15	63.50	8.25a.	34.7	1.55p.	**90**	19	59.65	4.00p.	21.1	5.25a.	41	14.6
16	62.85	8.15a.	35.5	2.30p.	84	18.8	59.40	3.30p.	20.4	6.05a.	44	15.3
17	62.52	8.00a.	34	0.45p.	85	17.8	59.55	4.35p.	20.8	5.50a.	45	14.8
18	62.65	8.15a.	35.4	3.25p.	79	17.2	58.90	4.40p.	22	3.15a.	**33**	**11.9**
19	61.96	8.00a.	35.2	4.15p.	76	17.5	58.35	4.15p.	21.5	5.50a.	38	14.1
20	61.75	9.05a.	36	0.40p.	83	19.9	58.55	3.40p.	21.4	5.55a.	40	14.7
21	61.20	8.40a.	36.4	0.25p.	80	18.6	58.15	3.45p.	21.6	5.40a.	41	15
22	61.65	8.35a.	37	2.15p.	80	18.3	57.90	4.10p.	21.1	5.40a.	39	15.3
23	60.75	9.15a.	36.8	2.55p.	81	19.8	57.70	4.15p.	24.4	2.50a.	**33**	14.6
24	60.80	8.40a.	36.4	1.20p.	**75**	19.8	57.14	4.00p.	22.3	5.40a.	44.5	15.1
25	60.61	8.00a.	36	1.40p.	76	17.9	57	4.10p.	22.7	5.20a.	39	14
26	61.10	8.30a.	36	3.40p.	76	18.5	57.40	4.25p.	20.4	5.25a.	39	14
27	61.25	8.40a.	37.4	1.15p.	76	17.7	57.90	3.45p.	22.8	5.35a.	37	14.2
28	61.49	9.00a.	36.9	1.35p.	80	19.3	57.31	4.00p.	21.3	4.10a.	46	15
29	60.30	9.15a.	**37.5**	3.10p.	78	20.9	56	4.20p.	25	5.35a.	42.5	**17.9**
30	**59.12**	9.00a.	37.4	1.35p.	84	**21.7**	**55.24**	4.00p.	**25.3**	5.50a.	42	**17.9**
Mean	762.16	-------	35.5	-------	82.3	19.1	758.64	-------	21.8	-------	42.4	15

DAILY GENERAL REMARKS.

1____≡ early in the morning; somewhat gusty SEly winds in the afternoon.
2____Somewhat gusty SE winds in the afternoon.
3____Gusty SE winds in the afternoon; coloration of clouds at sunset.
4____d° somewhat gusty E winds in the morning.
5____Fair weather.
6____Somewhat gusty SE winds in the afternoon.
7____Cloudy weather.
8____≡ early in the morning; somewhat gusty SEly winds in the afternoon.
9____Convergence of Ci. toward N in the afternoon.
10____Cirrus extended from SSE to NNW in the morning.
11____Cloudy weather.
12____≡° early in the morning.
13____◠, ●°, gusty ESE winds in the morning.
14____Gusty SEly winds in the forenoon and afternoon.
15____d° in the morning; somewhat gusty ESE winds at noon.
16____Gusty SEly winds in the afternoon.
17____d° in the forenoon and afternoon.
18____≡° early in the morning; somewhat gusty SEly winds in the afternoon.
19____Somewhat gusty SEly winds in the forenoon and afternoon.
20____Somewhat gusty Ely winds in the afternoon.
21____Gusty SEly winds in the forenoon and afternoon.
22____≡ early in the morning; somewhat gusty ESE winds in the afternoon.
23____Gusty SEly winds in the morning and afternoon.
24____Gusty SEly winds in the afternoon and evening.
25____Gusty SEly winds in the morning and afternoon.
26____Fair weather.
27____Somewhat gusty SE winds in the afternoon.
28____As yesterday.
29____Do.
30____Cloudy weather.

OBSERVATIONS FOR MAY, 1912.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	57.90	57.85	57.65	57.55	57.80	58.33	58.50	58.61	58.79	58.71	58.65	58.06
2	58.45	58.05	57.90	58.10	58.25	58.65	59.08	59.32	59.52	59.27	59.10	58.66
3	60.45	60.30	60.15	60.25	60.60	60.86	61.22	61.58	61.63	61.42	60.88	60.45
4	61.10	60.90	60.60	60.60	60.80	61.03	61.31	61.53	**61.67**	61.53	61.01	60.22
5	60	59.70	59.45	59.40	59.65	59.87	60.27	**60.47**	60.36	60.09	59.58	59.20
6	58.75	58.30	58.25	58.30	58.50	58.99	59.33	59.61	**59.76**	59.40	59.11	58.59
7	58.95	58.60	58.55	58.65	58.90	59.21	59.66	59.77	**59.81**	59.55	59.30	58.56
8	58.90	58.80	58.50	58.50	58.80	59.22	60.02	60.44	60.47	**60.60**	60.27	59.97
9	58.80	58.40	58.05	57.95	58.15	58.69	59.12	59.28	59.46	59.12	58.72	58.20
10	59.50	59.25	59.15	59.15	59.35	59.88	60.39	60.68	**60.75**	60.55	60.27	59.65
11	60.30	60	59.95	60.10	60.35	60.65	60.84	61.18	**61.36**	61.13	60.92	60.50
12	59.55	59	58.75	58.80	59.05	59.63	60.03	**60.47**	60.38	60.13	59.67	58.93
13	59.20	58.80	58.75	58.60	58.80	59.08	59.64	**59.87**	**59.87**	59.55	59.04	58.56
14	58.35	58	57.80	57.85	58.20	58.74	59.32	59.95	**60.10**	**60.10**	59.85	59.09
15	58.80	58.40	58.10	58.15	58.50	58.86	59.71	60.03	**60.30**	60.15	59.86	59.24
16	58.80	58.55	58.15	58	58.15	58.52	59.05	59.46	59.76	**59.86**	59.47	59.09
17	58.10	57.75	57.55	57.80	58.10	58.63	59.43	59.81	**59.87**	59.82	59.60	59.34
18	58.65	58.45	58.15	58.10	58.50	58.93	59.60	60.07	**60.15**	60	59.91	59.45
19	59.15	59.05	58.85	58.90	59.10	59.18	59.41	59.57	**59.80**	59.60	59.26	58.85
20	58.50	58.30	58.05	57.95	58	58.49	58.68	58.86	**58.88**	58.52	57.99	57.42
21	57.90	57.85	57.85	58	58.20	58.82	59.19	59.41	59.67	59.38	58.90	58.50
22	59.10	58.70	58.45	58.35	58.55	58.93	59.09	59.54	**59.66**	59.48	59.20	58.66
23	58.55	58.25	58.15	58.25	58.45	58.79	59.34	59.76	59.62	59.39	58.70	58.12
24	58.70	58.25	57.90	57.95	58	58.47	58.88	58.99	**59.01**	58.77	58.22	57.52
25	58.15	57.90	57.95	57.80	57.85	57.88	58.15	58.23	58.17	58	57.41	56.56
26	57.05	56.90	56.60	56.50	56.75	57.13	57.73	58.27	58.51	58.42	58.03	57.54
27	57.80	57.20	57.10	56.95	57.05	57.16	57.75	58.09	58.21	58.15	57.84	57.49
28	57.95	57.35	57.25	57.70	58.10	58.58	58.85	59.27	59.39	59.13	58.70	58.30
29	59.60	59.15	58.95	58.85	59.10	59.44	59.77	60.10	**60.22**	59.92	59.40	58.85
30	59.05	58.90	58.75	58.65	58.90	59.13	59.45	**59.84**	59.73	59.71	59.27	58.50
31	58.90	58.60	58.65	58.30	58.50	58.89	59.08	59.23	59.39	**59.64**	59.30	58.72
Mean	58.87	58.56	58.39	58.39	58.61	58.99	59.42	59.72	**59.82**	59.65	59.27	58.74

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	27.8	27.7	27.6	26.9	26.3	**26.2**	29.1	31	32.5	34	33.3	34.3
2	27.7	27	26.9	27	27	27	29	30.6	32.4	33.3	35.6	34.7
3	25.4	25.1	24.9	23.6	**23**	23.2	27.2	30.9	32.2	30.5	31.6	32.6
4	26.4	26	25.5	25.1	**24.3**	24.8	28.1	30.2	30.3	31	32.1	33.2
5	27	27	26.4	25.7	**25.3**	25.5	28.6	30.7	32.3	33.9	34.9	34.4
6	27.8	27.3	27.2	27.1	**27**	27.1	**27**	28.1	30.4	31.5	31.4	32.6
7	26.9	26.6	25.8	25.4	**24.9**	**24.9**	27.5	29.4	32.2	**33.7**	32.5	33.6
8	27.3	26.2	**25.5**	25.6	**25.5**	**25.5**	26.5	27.8	28.1	28.9	29.5	29.6
9	25	24.8	24.6	24.3	**24.1**	24.4	27.7	29.6	29.2	31.6	31.9	32.6
10	26.1	25.4	24.9	24.7	**24.3**	24.7	26.8	29.9	30.9	30.9	32	33.2
11	24.4	23.3	22.8	22.4	**22**	22.3	26.6	30	31.6	30.6	29.6	31
12	24.7	24.6	23.7	23.5	**23.3**	**23.3**	27.4	30.3	31.7	33	34.6	34.4
13	26.8	26	**25.5**	**25.5**	25.6	25.7	28.4	30.2	31.4	31.7	**33.9**	32.8
14	26.2	26.2	25.8	26	25.8	25.8	27.9	30.5	31.1	31.5	32.3	32.8
15	25.3	24.7	24.7	24.6	**24**	24.4	26.5	29.5	30.6	30.5	31.4	32.5
16	25.8	25.3	24.9	24.5	**24.2**	24.5	28.1	30	31.2	31.4	32.6	33.1
17	25	24.6	24	23.9	**23.5**	23.8	25.2	29.4	30.6	31.5	32.2	32.6
18	24.6	24.4	24.4	24.1	**24**	24.2	27.9	31	31.4	32.5	33.2	33.5
19	26.2	25.7	25.2	24.8	**24.3**	24.5	27.8	31.1	31.5	31.6	32.5	33.2
20	25.1	**24.6**	24.8	24.9	25.1	25.2	26.9	29.5	32.8	34	35.6	**36.3**
21	27.4	27.3	27.1	26.5	26.3	26.5	28.4	30.4	30.6	30.4	31.1	31.5
22	24.2	24.1	23.9	23.9	**23.7**	24	26.7	29.1	29.8	31	31.7	33.1
23	26.1	25.4	25.3	25.2	**25.1**	25.5	27.7	29.9	30.1	31.5	32	32.2
24	25.7	25.4	25.2	25.1	**24.9**	25.1	28.4	29.4	30	30.8	32.3	33.8
25	26	25.6	25.4	25.1	**24.7**	24.9	27.9	30.1	29.8	31.9	32.2	33
26	24.7	24.5	24.2	**24.1**	**24.1**	24.3	27	28.4	29.5	30.4	32.2	32.6
27	27.9	27.5	26.6	25.6	**25.2**	25.4	28.5	30.5	31.2	32.5	32.9	33.2
28	26.2	26.2	25.8	25.3	25.4	25.4	28	30.4	30.5	31.6	34.6	34.9
29	24.9	24.8	25	24.6	**24.4**	24.6	27.5	29.4	31.1	32	32	33.1
30	25.9	25.7	25.3	25.2	**25.1**	25.2	28.8	30	31.2	31.8	32.5	33.5
31	27	25.7	**25.6**	25.7	26.2	**25.6**	27.4	29.2	30.6	30.6	31.4	32.2
Mean	26	25.6	25.3	25	**24.8**	25	27.6	29.9	30.9	31.7	32.5	33.1

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
57.13	56.19	55.82	**55.33**	55.64	56.29	57.50	58	58.45	**58.90**	**58.90**	58.65	57.72
57.75	56.95	**56.59**	**56.59**	56.95	57.67	58.40	59.25	59.85	60.50	**60.80**	60.60	58.59
59.24	58.69	**58.25**	**58.25**	58.53	59.03	59.65	60.25	61.15	**61.80**	**61.80**	61.50	60.33
59.46	58.84	58.45	**57.97**	58.35	58.73	59.10	59.85	60.15	60.50	60.45	60.10	**60.18**
58.33	57.73	57.29	**57.08**	57.31	57.83	58.35	58.90	59.10	59.60	59.55	59.20	59.10
58.05	57.31	57.03	**56.91**	57.15	57.66	58.35	58.65	58.95	59.55	59.55	59.20	58.55
57.87	57.42	57.29	**57.19**	57.35	57.69	58.30	58.85	59.15	59.55	59.65	59.30	58.71
59.38	58.93	58.45	57.96	**57.85**	58.14	58.45	59.05	59.35	59.70	59.65	59.15	59.19
57.42	**56.60**	57.10	57.02	57.58	58.10	58.50	58.80	59.55	**59.80**	59.75	59.75	58.50
59	58.55	**58.20**	58.23	58.56	59.09	59.50	59.95	60.45	60.70	60.70	60.55	59.67
59.57	58.57	**57.98**	58.21	58.29	58.86	59.45	59.65	60.10	60.35	60.15	60	59.94
58.35	57.51	57.23	**57.09**	57.30	57.70	58.25	58.80	59.40	59.60	59.70	59.40	58.95
57.91	57.28	**56.70**	**56.70**	56.76	57.09	57.70	58.20	58.55	58.95	59	58.70	58.47
58.36	57.70	57.50	**57.14**	57.29	57.46	57.80	58.55	59	59.20	59.45	59.25	58.59
58.57	58.04	57.65	57.45	**57.40**	57.55	57.75	58.50	59.20	59.65	59.70	59.40	58.79
58.44	57.87	57.41	**57.01**	**57.01**	57.20	57.75	58.35	58.70	59.05	59.05	58.55	58.47
58.50	57.70	57.24	56.98	**56.93**	57.14	57.95	58.55	59.10	59.30	59.35	59.10	58.48
58.63	57.79	**57.45**	57.50	57.62	58.15	58.75	58.95	59.50	59.90	59.80	59.65	58.90
58.26	57.75	56.88	**56.52**	56.80	57.04	57.40	57.75	58.20	58.70	58.60	58.45	58.46
56.78	56.05	56.19	**55.75**	56.22	56.87	57.25	58.05	57.95	58.60	58.30	57.95	57.73
57.79	**56.99**	57.19	57.09	57.09	58.07	58.70	58.75	59.35	**60.25**	**60.25**	59.50	58.53
58.15	57.45	**56.98**	57.04	57.13	57.56	58.60	59.30	59.25	59	59.25	58.95	58.60
57.61	57.59	57.41	**57.16**	57.65	57.91	58.45	59	59.50	**59.80**	59.40	59	58.58
57.04	56.27	**56.21**	56.29	56.37	57.15	57.70	58.20	58.85	58.80	58.95	58.50	57.96
55.94	55.53	**54.96**	55.01	55.07	55.95	56.50	57.25	57.90	**58.25**	58.05	57.60	**57.17**
56.87	55.95	**55.83**	55.88	56.25	57.12	57.35	57.70	57.95	58.35	**58.55**	58.35	57.32
56.71	56.36	**55.73**	56.22	56.75	57.86	58.15	58.05	59.45	**59.55**	59.20	58.50	57.64
57.63	56.73	**56.52**	56.80	59.05	59.17	58.95	59.20	59.45	60.15	**60.30**	59.85	58.52
58.10	57.48	**56.96**	57.70	57.85	58.15	58.45	58.95	59.65	59.85	59.85	59.35	58.99
57.56	57	**56.50**	56.53	56.70	57	57.60	58.10	58.65	59.10	59.10	58.95	58.44
57.87	57.44	**56.68**	57.04	57.41	58.12	58.20	58.60	59	59.05	59.05	58.75	58.52
58.01	57.36	57.02	**56.96**	57.23	57.72	58.22	58.71	59.19	59.55	59.54	59.22	58.63

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
35.6	35	35.4	34.8	33.6	31.4	30.2	29.7	29.2	28.6	28.6	27.8	**30.7**
35.8	**36.3**	**36.3**	34.2	33.2	31.8	29.8	28.5	27.5	27.2	26.4	**25.9**	30.5
35.7	35.6	**36.1**	35.3	33.6	31	29.5	28.2	27.7	27.6	26.6	26.5	29.3
33.2	34.1	34.2	**35.3**	31.2	29.2	28.9	28.3	28	27.7	27.4	27.5	29.2
35.1	35.2	35.2	**35.3**	31.2	30	29	29	28.8	29	28.9	27.9	30.3
31.9	**32.7**	32.5	31.7	30.5	29	28.6	28.6	28.5	28.4	27.6	27.1	29.2
33.4	33	33	32.4	31.1	29	28.9	28.3	27.3	27.3	27.5	27.4	29.2
31	29.7	30.3	30.6	30	28.8	27.5	26.8	26.6	26.3	26.8	**25.5**	**27.7**
33.8	**35.1**	30.5	29.2	28.4	28.2	28	27.9	27.8	27.3	26.9	26.3	28.3
34.5	**35**	34.5	34.3	32.4	30.6	29.1	27.9	26.8	26.3	25.8	25.1	29
32.6	33.3	**35.3**	32.7	33.6	30.4	28.9	27.8	27.3	27	26.8	25.8	28.3
34	33.9	33.9	**34.7**	31.7	29.6	29.1	29	28.6	28.4	28.3	27.9	29.3
33.8	33.4	32.7	32.9	31.1	29.3	28.6	28.4	28.4	28	27.8	27.5	29.4
33.1	33	33	32.9	31.7	30.2	29.3	28.9	28.6	28.1	26.4	**25.4**	29.3
32	32.7	**33.4**	33.2	31.7	30.6	29.7	29.1	28.8	28.5	27.2	26.2	28.8
33.2	32.8	32.7	32.7	31.2	29.5	28.9	28.6	28	27.4	26	25.4	28.8
32.8	32.9	33.1	**33.3**	31.8	29.7	29.1	28.8	28.4	26.7	25.8	25	28.5
34.8	**35.1**	32.2	31.1	30.7	30.4	30	29.9	29	28.5	27.4	26.7	29.2
34.7	36	**37.3**	36.6	35.3	32.8	31.3	30.2	28.6	27.9	27.2	26.1	30.1
34.2	34.4	31.7	34.9	31.9	30.7	30.5	27.8	26.8	27.1	27.3	27.3	29.6
33.5	32.7	31.1	30.5	29.5	28.5	28.3	27.9	26.3	25.1	24.2	**24.1**	28.6
33.8	**33.9**	33.1	33.4	32	30.3	29.9	28.6	27.3	27	26.1	26.2	28.6
33	31.2	29	28.4	28.1	28.1	28	27.6	27.2	26.9	26.6	26.3	28.2
33.7	**34**	31	29.3	28.8	29.9	28.5	27.5	28	27.2	26.9	26.4	28.6
33.9	32.2	30	30.4	30.4	30.2	29	29.3	26	25.2	24.9	24.8	28.5
33.3	33.3	**33.9**	33.3	32.3	29.9	29.1	27.3	27.2	27.3	27.9	28	28.7
33.9	31.5	33.3	30.7	30.3	28.7	27.4	26.9	26.8	26.9	26.5	26.1	29
35.1	34.7	**35.7**	29.3	25.8	**23.7**	24.3	24.4	24.8	25	24.9	24.9	28.2
33.9	**34**	31.5	28.7	27.5	27.5	27.2	26.9	26.9	26.8	26.6	26.1	28.2
34	34.1	**34.5**	32.2	31.1	30.7	30.1	29.9	29.4	29.3	28.4	28.3	29.7
32.9	33	**33.7**	33	31.5	30.6	28.8	27.9	27.4	26.9	26.7	26.6	29
33.7	**33.7**	33.2	32.5	31.1	29.7	28.9	28.3	27.7	27.3	26.9	26.4	29

RELATIVE HUMIDITY (%).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	67	67	63	67	70	70	64	62	52	48	49	44
2	67	69	69.5	69	**70**	**70**	65	57	52	48	42	43
3	66	70	73	76	**79**	**79**	67	52	49	56.5	53.5	50
4	68	71	74	75	76	73	66	59	58	58	54	50
5	77	75	76	**78**	**78**	74	67	53	48	44	**37.5**	42
6	73.5	78	79	81	80.5	80	**82**	72	67	65	65	**59**
7	80	81	**84**	80	83	**84**	76	66	53	**52**	55	54
8	78	76	**84**	81	**84**	**84**	82.5	82	82	74	71	72
9	82	82	**83**	82	82	82	75	67	70	60	59	55
10	74	81	83	83	**86.5**	84	80	62	57	54	54	47
11	71	75	78	80	**81**	**81**	69	54	46	51	63	58
12	78	75	79	80	81	**82**	70	55	50	47	**44.5**	47.5
13	79	**77**	**81**	**81**	**81**	**81**	75	70	65	58	**51**	54
14	84	82	83	**85**	**85**	84	82	72	67	65	60	**55**
15	77	76	75	76	79	78	78	75	68.5	64	59	56
16	84.5	83	83	83	84	82	79	71	66	62	61	**59**
17	86	87	**90**	**90**	**90**	88	85	73	67	63	59	59
18	77	74.5	74.5	75	73	73	65	56	58	55	55	52.5
19	81	**83**	82	82	**83**	79	73.5	61	57	59	59	55
20	66	67	65	64	63	66	64	66	52	49	43	**42**
21	78	79	81	80	81	82	76	64	62	66	67	66
22	86	87	**90**	88	88	85	76	66	65	66	63	57.5
23	82	82	83.5	84	**85**	84	75	65	65	62	63	61
24	84	84	86	87	87	**88**	80	75	73	71	64	60
25	78.5	81	79	80	82	82	74	71	72	65	66	60
26	87	87	**89**	**89**	**89**	**89**	80	76	75	72	63	59
27	82	87	88	89	88	**90**	80	71	71	65	58.5	60
28	82	82	84	86	85	86	82	70	70	60	51	51
29	**87**	**87**	84	86	85	84	78.5	70	65	66	66	60
30	85	85	86	**87**	**87**	**87**	80	73	68	65	66	60
31	76	80	86	87	85	**89**	84	70	68	69	66	66
Mean	78.2	79	80.5	81	**81.6**	81.3	75.2	66.3	62.5	60	57.7	55.3

VAPOR PRESSURE (mm).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	18.5	18.4	17.3	17.5	17.9	17.8	19	**20.8**	18.9	19	18.8	17.8
2	18.5	18.2	18.3	18.2	18.4	18.6	**19.3**	18.5	18.7	18.4	18.2	17.6
3	15.8	16.7	17.2	16.6	16.6	16.6	17.9	17.3	17.7	18.3	**18.4**	**18.4**
4	17.5	17.7	17.9	17.8	17.2	**17**	18.7	18.9	18.7	19.4	19.2	19
5	20.3	19.7	19.6	19	18.7	17.9	19.5	17.4	17.5	17.4	**15.6**	16.9
6	**20.4**	20.9	21.2	21.5	21.3	21.2	21.7	**20.4**	21.6	22.2	22.2	21.5
7	21.2	21	20.7	19.4	19.5	19.7	20.8	20.2	**19.1**	20.2	19.9	20.9
8	21.1	**19.3**	20.3	19.7	20.5	20.3	21.2	22.6	**23**	21.9	21.7	22.1
9	19.3	19	19.2	**18.4**	**18.4**	18.5	20.7	20.7	21.1	20.9	20.9	20.2
10	18.6	19.6	19.3	19.3	19.5	19.5	**20.8**	19.4	18.9	17.9	19	17.8
11	16.2	16.1	**16**	16.1	**16**	16.1	17.9	16.9	**16**	16.6	19.3	**19.4**
12	18	17.3	17.2	**17.1**	17.2	17.4	19.1	17.7	17.4	17.4	18.2	19.1
13	20.6	**19.2**	19.7	19.7	19.7	19.8	21.6	22.4	22.1	20.2	20.1	19.9
14	21.2	20.6	20.5	21.1	21.1	20.7	22.7	**23.2**	22.7	22.4	21.7	20.4
15	18.4	17.6	**17.3**	17.5	17.5	17.8	20	**22.8**	22.3	20.7	20.2	20.5
16	20.8	19.8	19.5	19	**18.8**	**18.8**	22.2	22.5	22.2	21.2	22.2	22.3
17	20.2	20.1	19.9	19.8	19.5	19.3	20.3	22.2	21.9	21.6	21.1	21.5
18	17.7	16.9	16.9	16.8	**16.1**	16.4	18	18.7	19.8	20.1	20.7	20.1
19	20.4	20.4	19.5	19	18.8	18.1	20.4	20.6	19.7	20.3	**21.4**	20.9
20	15.6	15.4	15.1	15.1	**14.9**	15.7	16.8	20.4	19.3	19.2	18.6	18.6
21	21	21.3	21.5	20.6	20.5	21	21.9	20.6	20.3	21.4	22.4	**22.6**
22	19.4	19.5	19.8	19.4	19.1	18.8	19.8	19.8	20.2	22.1	21.9	21.6
23	20.7	**19.8**	20	20.1	20.1	20.5	20.7	20.3	20.6	21.2	22.3	21.7
24	20.5	20.3	20.5	20.5	20.5	20.7	23.1	22.9	22.9	**23.3**	23.2	**23.3**
25	19.6	19.7	19	19	**18.9**	19.1	20.7	22.4	22.4	22.8	**23.4**	22.5
26	20	20	19.9	**19.8**	**19.8**	20.1	21.1	21.9	22.8	**23.3**	22.4	21.7
27	23	23.6	22.7	21.8	21.1	21.7	23.2	23	**23.9**	23.5	21.7	22.8
28	20.8	20.8	20.7	20.6	20.6	20.7	**23.1**	22.7	22.8	20.9	20.7	21.2
29	20.3	20.2	19.8	19.7	**19.3**	**19.3**	21.4	21.4	21.8	**23.4**	**23.4**	22.7
30	21	20.9	20.6	20.7	**20.5**	20.7	23.4	22.9	23	22.8	24.2	23.1
31	20.1	19.6	21	21.3	21.6	21.8	22.6	21	22.1	22.6	22.7	23.4
Mean	19.6	19.3	19.3	19.1	**19**	19.1	20.6	20.7	20.7	20.7	**20.8**	20.7

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
39	**39**	**39**	**39**	41.5	47.5	52	56	55	63	70	**71**	55.6
39	**38.5**	39	45	44	40	46	53.5	58	57	62	64	**54.5**
36	**32.5**	33	36	39	49	54	60	62	64	67	68	57.1
49	46	48	**43**	68	71.5	71	72	73	76	**77**	76	64.7
41	38	39	40	69	69	76	72	75	73	66	71	61.6
63	62	60.5	66	72	74	75	75	74	76	75	78	72.2
54	53	59	66	67	76	73	74	81	80	79	78	70.3
64	67	68	**63**	68	69	76	77	78	79	77	80	75.7
51	**47.5**	63	70	74	72	71	72	73.5	75.5	78	76	70.9
40	**39**	40	40	**39**	46	52	55.5	62	65	64	68	60.7
52	46	**42**	45	44.5	55	61	65	68	67.5	67	73	62.2
49	49.5	49	51	68	76	76	74	75	75	75	77	66
52	59	62	61	69	72	77	77	77	79	80	**81**	70.8
60	61	58	59	60	64	64	69	71	73	77	80	70.8
59	62	**50.5**	55	57	58.5	63	70	75	77	81	**82**	68.8
61	62.5	65	64	66	71	73	73	78	79	84	**86**	73.3
55	56	57.5	59	60.5	68	68	70	66	70	72	76	71.5
50	**47**	59	67	69	66	70	70	74	73	78	**81**	66.4
49	42	**27**	29	33.5	41	45	49	58	63	68	69	59.5
52	48	56	51.5	63	69	66	72	**80**	78	74	76	62.2
59	**58**	64	63	68	74	77	77	78	82	**86**	**86**	73.1
55	**46**	55	61	66	65	69	71	75.5	77	81	83	71.8
59	67	72	77	75	77	77	80	78	78	80	79	74.6
57	**53**	65	68	67	67	73	70	71	75	78	79	73.4
58	59	67	66	66	62	69	71	83	86	**87**	86	72.9
58	**55**	**55**	56.5	63	72	69	78	80	82	80	82	74.4
58	69	61	67	71.5	72	76	77	77	79	80	83	75
50	53	53	68	84	**91**	89	89	89	88	88	87	**75.8**
56	**56**	66	75	75	75	76	79	79	80	81	84	75
58	59	60	71	73	76	75	76	77	73	80	79	74.4
64	61	**59**	61	63	65	70	73	73	71	75	77	72.4
53.1	**52.6**	54.6	57.5	62.7	66.1	68.7	70.9	73.4	74.6	76.4	77.9	68.6

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
16.8	16.6	16.7	**15.9**	16	16.2	16.6	17.3	16.7	18.2	20.3	19.8	17.9
17	17.2	17.5	17.9	16.5	**14**	14.5	15.5	15.7	15.4	15.9	15.8	17.2
15.5	**14**	14.7	15.2	15.1	16.3	16.5	16.9	17.2	17.7	17.4	17.4	**16.7**
18.5	18.3	19.2	18.1	**23**	21.5	20.9	20.5	20.5	21.1	20.9	20.8	19.3
17.1	16.1	16.4	17.2	**23.2**	21.8	22.5	21.5	22	21.6	19.6	19.9	19.1
22.2	23	22	**23.2**	**23.2**	22	21.9	21.7	21.4	21.9	20.5	20.8	21.7
20.8	19.8	22.1	**23.7**	22.4	22.7	21.5	21.1	21.9	21.5	21.6	21.3	21
21.2	20.6	21.7	20.7	21.4	20.2	20.8	20.2	20.2	20.2	20.1	19.4	20.8
20.1	19.9	20.3	21.1	**21.2**	20.4	19.9	20.2	20.4	20.3	20.6	19.4	20
16.3	16.3	16.3	16	**14.1**	14.9	15.7	15.5	16.3	16.5	15.9	16.1	17.5
19	17.6	17.8	16.4	17.2	17.6	18	18.1	18.4	17.8	17.4	18	17.3
19.4	19.4	19.3	21	**23.6**	23.3	22.8	21.9	21.7	21.6	21.5	21.4	19.6
20.3	22.5	22.7	22.8	**23.3**	21.7	22.3	22.3	22.3	22.3	22.2	22	21.3
22.4	22.8	21.7	22	20.8	20.3	19.5	20.5	20.5	20.6	19.7	**19.4**	21.2
20.9	22.7	19.3	20.9	19.8	19.1	19.6	21	22	22.2	21.6	20.8	20.1
23.1	23.1	**24**	23.4	22.4	21.7	21.5	21.3	21.9	21.4	21	20.7	21.4
20.4	20.7	21.6	**22.3**	21.1	21	20.4	20.6	19.1	18.2	**17.8**	18	20.4
20.5	19.8	21.1	**22.7**	22.5	21.4	22.1	21.9	22	21.1	21.3	21.1	19.8
20.2	18.6	**12.7**	13.2	14.2	15.2	15.2	15.7	16.9	17.5	18.1	17.5	18.1
20.9	19.4	19.4	21.3	22.2	**22.7**	21.4	20	20.8	20.7	19.9	20.5	18.9
22.6	21.4	21.6	20.6	20.8	21.4	21.9	21.4	19.8	19.4	19.4	**19.3**	21
21.4	**18.1**	20.6	**23.4**	**23.4**	20.8	21.7	20.5	20.3	20.3	20.3	21	20.6
22.1	**22.6**	21.5	22	21.2	21.6	21.7	21.9	20.8	20.6	20.6	20.2	21
22.1	21	21.6	20.5	19.8	20.9	21	**19.3**	20.1	20.2	20.6	20.1	21.2
22.7	21.1	21.3	21.2	21.2	19.7	20.7	21.5	20.7	20.5	20.3	19.9	20.8
22.2	20.9	21.5	21.5	22.5	22.6	20.6	20.9	21.4	22.1	22.3	23.1	21.4
22.8	23.7	23.2	21.8	22.9	21	20.6	**20.2**	**20.2**	20.8	20.6	20.9	22.1
21	21.7	22.9	20.5	20.7	**19.9**	20.1	20.2	20.7	20.8	20.6	20.5	21
22.2	22.2	22.6	22.1	20.4	20.4	20.4	20.8	20.8	21	21	21.1	21.2
22.8	23.4	24.5	**25.2**	24.4	25.1	23.7	23.8	23.5	22.1	22.8	22.5	**22.8**
23.7	22.8	22.9	22.8	21.6	21.3	20.6	20.3	19.7	**18.6**	19.5	20	21.4
20.6	20.2	20.3	20.5	20.7	20.3	20.2	20.1	20.2	20.1	20	20	20.1

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Ci.		Ci.-S.	N	A.-Cu.							
2	A.-Cu.	ENE	A.-Cu.	ENE								
3	Ci.											
4	A.-Cu.	NE	A.-Cu.		Ci.-S.		Ci.-S.				Ci.	
5	A.-Cu.		A.-Cu.		Ci.		Ci.					
6	A.-Cu.		A.-Cu.				Ci.-S.		A.-Cu.		A.-Cu.	
7	A.-Cu.		A.-Cu.		A.-Cu.							
8	A.-Cu.		A.-Cu.									
9	Ci.-S.								Ci.		Ci.	
10	A.-Cu.		A.-Cu.						Ci.		Ci.	
11	Ci.		Ci.									
12	Ci.											
13	A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.					
14												
15	A.-Cu.		A.-Cu.		Ci.-S.		Ci.-S.	SE	Ci.-S.	SE	Ci.-S.	SE
16	Ci.-S.		Ci.-S.	E	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
17	Ci.		Ci.-S.	E	Ci.	E	Ci.	E	Ci.-S.		Ci.-S.	
18	Ci.		Ci.		Ci.		Ci.					
19	Ci.				Ci.		Ci.					
20	A.-Cu.	ESE	A.-Cu.		A.-Cu.				A.-Cu.		Ci.	
21	A.-Cu.	NEbyE	Ci.		Ci.-S.		Ci.		Ci.-S.	NW	Ci.-S.	NW
22	Ci.-S.		Ci.-S.		Ci.-S.		Ci.	SE	Ci.-S.		Ci.-S.	
23	A.-Cu.	SEbyE	Ci.-S.				Ci.-S.		Ci.-S.		Ci.-S.	
24	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
25	Ci.-S.		Ci.		Ci.		Ci.		Ci.			
26							Ci.					
27	Ci.								Ci.		Ci.	
28	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
29	Ci.-S.		Ci.						A.-Cu.			
30	Ci.				Ci.		Ci.					
31	A.-Cu.		A.-Cu.		Ci.		Ci.		Ci.		Ci.	

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	S.-Cu.		Cu.		Cu.	ENE	Cu.	ENE	Cu.		Cu.	
2	S.-Cu.	NE	Cu.	NE	Cu.	NE	Cu.	NE	Cu.	NE	Cu.	NE
3	Cu.		Cu.		Cu.	E	Cu.	E	Cu.		Cu.	
4	Cu.		S.-Cu.	NE	Fr.-Cu.	NE	Cu.	NE	Cu.	NE	Cu.	
5	S.-Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
6	Cu.-N.		Cu.-N.		Cu.		Cu.		Cu.		Cu.-N.	
7	S.-Cu.		S.-Cu.		Cu.		Cu.		Cu.		Cu.	
8	S.-Cu.		S.-Cu.		S.-Cu.		S.-Cu.		N.-cf.		Cu.-N.	
9	Cu.		Cu.		Cu.		Cu.		Cu.-N.		Cu.-N.	
10	S.-Cu.		S.-Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	
11	Cu.-N.		Cu.		Cu.		N.-cf.		N.-cf.		Cu.-N.	
12	Cu.		Cu.		Cu.		Cu.		Cu.-N.		Cu.	
13	S.-Cu.		S.-Cu.		Cu.-N.		Cu.-N.		N.-cf.		Cu.	
14	Cu.		Cu.-N.		Cu.		Cu.		Cu.		Cu.	
15			S.-Cu.		Cu.-N.		Cu.-N.		Cu.		Cu.	
16	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
17			Cu.		Cu.		Cu.		Cu.		Cu.	
18			Cu.		Cu.		Cu.		Cu.		Cu.	
19	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
20	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	
21	Cu.		Cu.		Cu.-N.		Cu.-N.		N.-cf.		Cu.-N.	
22	Cu.		Cu.	E	Cu.	E	Cu.		Cu.		Cu.	
23	S.-Cu.		Cu.	ESE	Cu.	ESE	Cu.	ESE	S.-Cu.		Cu.	
24			Cu.		Cu.		Cu.-N.		Cu.-N.		Cu.-N.	
25	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
26	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
27	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
28	Cu.		Cu.		Cu.		Cu.-N.		Cu.-N.		Cu.	
29	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
30	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
31	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
				Ci.-S.	NW	Ci.-S.	NW	Ci.-S.	NW	Ci.-S.	
				Ci.		Ci.		Ci.-S.		Ci.-S.	
Ci.		Ci.				Ci.					
A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.	E	A.-Cu.	E
A.-Cu.	W	A.-Cu.	W	Ci.		Ci.		Ci.		Ci.	
								A.-Cu.		Ci.	
				Ci.-Cu.		Ci.-S.	W	Ci.-S.	W	Ci.-S.	
						Ci.		Ci.		Ci.-S.	
A.-Cu.											
				A.-Cu.		A.-Cu.				A.-Cu.	
Ci.-Cu.		Ci.-Cu.		Ci.		Ci.		Ci.		Ci.-S.	
Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
Ci.-S.		Ci.-S.		Ci.-S.	SE	Ci.-S.	SE	Ci.-S.		Ci.-S.	
Ci.-S.	E	Ci.-S.	E	Ci.-S.	E	Ci.-S.	E	Ci.-S.		Ci.-S.	
				Ci.		Ci.		Ci.		Ci.	
Ci.		Ci.		Ci.		Ci.		Ci.		Ci.-Cu.	
Ci.		Ci.		Ci.		Ci.-S.		A.-Cu.		Ci.-S.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.	S	Ci.-S.	S	Ci.-S.		Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.		Ci.-S.				Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.		Ci.-S.				Ci.-S.			
						Ci.-S.		Ci.-S.			
		Ci.-S.		Ci.-S.						Ci.-S.	
Ci.											
Ci.		Ci.									
										Ci.-S.	
						A.-Cu.				Ci.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.			

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.	NE	Cu.		Cu.	NE	Cu.	NE	Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		S.-Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		S.-Cu.		S.-Cu.	
Cu.		Cu.		Cu.		Cu.-N.		Cu.-N.		Cu.-N.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.-N.	SW	Cu.-N.	SW	Cu.-N.	SW	Cu.-N.		Cu.-N.		Cu.-N.	
Cu.		Cu.-N.		Cu.-N.	E	Cu.-N.	E	Cu.-N.		Cu.-N.	
Cu.	NE	Cu.	NE	S.-Cu.	NE	Cu.		S.-Cu.		S.-Cu.	
Cu.		Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.-N.		Cu.-N.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.				Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.-N.		Cu.-N.	ENE	Cu.-N.	NE	Cu.-N.		Cu.-N.	
Cu.		Cu.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.	
Cu.		Cu.-N.		Cu.-N.	NEbyE	Cu.-N.	NEbyE	Cu.-N.		Cu.-N.	
Cu.-N.		Cu.-N.	E	Cu.-N.		Cu.-N.	ENE	Cu.-N.		S.-Cu.	
Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.	ENE	Cu.-N.	
Cu.		Cu.-N.	ESE	Cu.-N.	ESE	Cu.-N.		Cu.-N.		Cu.	
Cu.-N.	E	Cu.-N.	E	Cu.-N.		Cu.-N.		S.-Cu.		Cu.-N.	
Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.		S.-Cu.		S.-Cu.	
Cu.		Cu.		Cu.-N.	ESE	Cu.-N.	ESE	Cu.-N.		Cu.-N.	
Cu.		Cu.-N.	ESE	Cu.-N.	ESE	Cu.-N.	EbyS	Cu.-N.		Cu.-N.	
Cu.		Cu.-N.	SE	Cu.-N.	SE	Cu.-N.		Cu.-N.		Cu.-N.	
Cu.		Cu.-N.	E	Cu.-N.	E	Cu.-N.		Cu.-N.		Cu.-N.	
Cu.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.	
Cu.		Cu.-N.		Cu.-N.		Cu.-N.		N.		N.	

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	SE	2	SE	2	SE	3	SE	2	SE	1.5	E	0.5
2	ESE	2.5	E	1	ESE	1	ESE	1.5	ESE	1.5	Calm	
3	SEbyE	2	SEbyE	1.5	ESE	1.5	ENE	1	EbyN	1	E	.5
4	ESE	2	ESE	1.5	ESE	1.5	ESE	.5	Calm		Calm	
5	SEbyS	.5	SE	1	EbyS	1.5	Calm		Calm		ESE	.5
6	SE	2	SE	1	SE	1.5	SE	1	SE	2	SSE	3
7	Calm		Calm		Calm		Calm		Calm		Calm	
8	ESE	1	NW	4	NW	1	NW	1	Calm		EbyS	1.5
9	Calm		Calm		Calm		Calm		Calm		Calm	
10	Calm		Calm		NEbyN	1.5	NEbyN	1	Calm		Calm	
11	ESE	.5	Calm		Calm		E	.5	ENE	1	Calm	
12	Calm		Calm		Calm		Calm		Calm		Calm	
13	N	2.5	NNE	3.5	NNE	2.5	NE	2.5	Calm		Calm	
14	SSE	.5	SSE	.5	Calm		Calm		Calm		Calm	
15	Calm		Calm		Calm		Calm		Calm		Calm	
16	Calm		Calm		Calm		Calm		Calm		Calm	
17	Calm		Calm		Calm		Calm		Calm		Calm	
18	Calm		Calm		Calm		Calm		Calm		Calm	
19	Calm		Calm		Calm		Calm		Calm		E	.5
20	ENE	1	NE	.5	NEbyE	1	EbyN	1	SE	1.5	Calm	
21	Calm		Calm		ESE	.5	NNE	2	NE	.5	Calm	
22	ENE	1	Calm		Calm		E	.5	E	.5	NNE	1.5
23	NNE	1.5	NNE	1.5	NNE	1.5	N	1	N	.5	N	1
24	NE	1	Calm		NEbyN	1	NE	1	Calm		Calm	
25	NEbyE	1	ENE	1	N	3.5	N	2.5	Calm		Calm	
26	ENE	.5	Calm		Calm		NE	.5	Calm		Calm	
27	WSW	2	WSW	.5	Calm		Calm		Calm		Calm	
28	NE	1	NNE	1.5	NNE	2	Calm		Calm		Calm	
29	ENE	1	ENE	.5	Calm		Calm		Calm		NNE	1
30	Calm		N	1.5	N	1.5	N	.5	NE	.5	Calm	
31	N	4.5	NNE	2.5	N	.5	NNW	1.5	NNW	1.5	Calm	
Mean		1		0.8		0.9		0.7		0.4		0.3

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	SSE	1	SE	4	SSE	4.5	SE	6.5	SE	4	SE	1
2	SSE	6	SSE	7	SEbyS	5.5	SE	6	SE	3.5	E	6
3	SSE	4	SE	8.5	SE	7	SEbyS	6	SEbyS	6	SE	5
4	WSW	5	W	4	W	1	SE	4	SW	4.5	SSW	2.5
5	SEbyS	4.5	SE	3	SE	1	SSW	2	SSW	2	SW	6
6	WSW	6	SWbyW	5	SWbyW	4	SWbyW	7.5	SWbyW	6.5	SW	7
7	W	6.5	W	6	WSW	5.5	WSW	4.5	SW	5	SSW	4.5
8	SW	4	SbyE	1.5	WSW	5	WSW	4	SSW	3	Calm	
9	W	2.5	W	3.5	ESE	6.5	ESE	1.5	ESE	4	ESE	1
10	SEbyE	4.5	ESE	6	ESE	8	E	4	EbyS	3.5	Calm	
11	SSW	1.5	ESE	2	ESE	1.5	E	1.5	E	1	ESE	4
12	WNW	3	WNW	5	WNW	5.5	W	2.5	WSW	1.5	WSW	2
13	W	1.5	WSW	7.5	WSW	7.5	SWbyW	5	SW	5.5	SW	6.5
14	WSW	4	WSW	6	WbyS	6	WSW	7.5	SW	5	SW	5
15	WSW	1	WSW	1.5	WSW	3	WSW	5	SW	3.5	SW	2
16	WSW	4	WSW	10	SWbyW	8.5	SWbyW	6	SW	5	SW	7.5
17	WSW	3.5	WSW	2	WSW	3	WSW	5	WSW	3.5	SW	4.5
18	WbyN	5	NWbyW	6	WNW	3	W	2.5	SW	5	SW	4
19	WbyS	5.5	SW	2.5	SSE	8.5	SE	4	SE	5	SE	2.5
20	NWbyW	7	WNW	1	Calm		Calm		SW	4	SW	4
21	WSW	2.5	WSW	3.5	WSW	3.5	Calm		Calm		Calm	
22	W	3.5	WbyS	5	WSW	5.5	SW	4	SWbyW	5	SWbyW	5.5
23	WSW	3.5	WSW	3.5	EbyS	1.5	Calm		ENE	1	ESE	.5
24	WbyS	3	WbyN	2	WSW	2	ENE	2.5	Calm		SSW	2.5
25	W	3.5	SW	5	SWbyW	4	SSW	2.5	SSW	3.5	SW	4
26	WSW	2.5	SW	3	SW	4	SW	4	SW	4	SW	5.5
27	WSW	4.5	WSW	5	SW	7.5	WSW	6.5	SW	3.5	N	3.5
28	WSW	3.5	W	6	W	1.5	SWbyS	5.5	NE	5	ENE	1.5
29	NW	3.5	WNW	1.5	SWbyS	4.5	NE	4	ENE	1	Calm	
30	WNW	5	W	5.5	SSW	3	SW	5.5	SW	3.5	SSW	1.5
31	WSW	2.5	WSW	4.5	WSW	3	WSW	4.5	WNW	2.5	NW	1.5
Mean		3.8		4.4		4.3		4		3.5		3.3

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
Calm		Calm		W	1.5	SSE	3.5	ESE	4	SE	1.5
SE	1	ESE	1	SEbyS	2.5	SE	2.5	SE	2	SSE	6
E	.5	Calm		ESE	1.5	WNW	3	WNW	4	WNW	3
Calm		Calm		SWbyS	2.5	SW	3	SWbyW	4	WSW	5.5
SE	3.5	SE	3	SE	3.5	SE	5	SE	3	SE	4.5
SSE	1	Calm		SSW	1.5	SW	2	WSW	5.5	SWbyW	7
Calm		NNE	1	N	1.5	NW	5.5	WbyN	4	WSW	2
E	1	Calm		ESE	.5	ESE	1	SSE	1	WSW	9.5
Calm		SE	1	SW	1.5	WSW	2	W	5.5	WSW	4.5
Calm		ESE	1	E	4	E	1.5	ESE	4.5	ESE	4.5
Calm		Calm		E	1	NW	2	WbyN	5.5	W	3.5
E	.5	E	1	Calm		ESE	1	ESE	1.5	SbyW	3
Calm		S	1	SSW	2.5	SW	3.5	W	4	WNW	5
Calm		SSW	1	SW	1	WSW	4	W	1.5	WSW	3
Calm		WSW	1.5	WSW	3	WbyS	3	WNW	1	W	4
Calm		S	1.5	SW	3	W	4.5	WNW	1.5	W	6
Calm		Calm		SW	2.5	WSW	5	WbyS	3	WSW	5.5
Calm		Calm		WSW	1	W	3	WNW	3.5	WNW	2.5
Calm		Calm		SW	.5	W	5.5	WNW	3	WbyS	4
Calm		Calm		SSE	2.5	SE	1.5	SSE	1	SW	3
NE	2.5	Calm		WNW	1.5	WNW	1.5	Calm		SW	2
NNE	1.5	NNE	1	NW	.5	W	4.5	W	1.5	W	2
N	2	Calm		WNW	1	WbyS	2.5	WbyS	1	W	1.5
Calm		SSW	1	WSW	2	WSW	2.5	W	4	W	5.5
Calm		Calm		WSW	2.5	WSW	1.5	WSW	4	W	5
Calm		WSW	.5	W	1	W	1.5	W	1.5	W	3
Calm		SSW	.5	SW	2.5	WSW	4	W	5.5	W	5.5
Calm		NE	1	WSW	.5	ESE	2	SSE	2	WNW	1.5
NbyE	1	Calm		SW	1.5	SW	2	WbyS	2	WbyN	3
Calm		Calm		SW	1.5	W	2	WNW	6.5	WbyN	6
NNE	1.5	WNW	1.5	WSW	1.5	WSW	3.5	W	2	W	5
	0.5		0.6		1.7		2.9		3		4.1

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		Midnight.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
SE	2	SSE	3	SSE	3	SSE	2.5	SSE	2.5	SSE	3	2.4
EbyS	3.5	E	2	ESE	2	ESE	3	SEbyE	2	SEbyE	1.5	2.9
SE	4	SE	3	SE	2	SE	1	SE	1	SE	1	2.8
SSW	3	SSE	2.5	SbyE	2	S	1.5	S	2.5	S	2.5	2.3
SWbyS	4	SSW	3.5	SSW	4	SWbyS	2	SSW	1	SE	1.5	2.5
SW	5	SW	4.5	SW	3	SW	3	NNE	2.5	Calm		3.4
SbyW	3	SE	2	Calm		Calm		ESE	1	ESE	.5	2.2
Calm		Calm		Calm		Calm		Calm		Calm		1.6
SE	3	SEbyE	3	ESE	1.5	ESE	.5	ESE	.5	ESE	1	1.8
E	2	ESE	2	ESE	3.5	ESE	2	ESE	1.5	ESE	1.5	2.4
ESE	1.5	ESE	1.5	ESE	1.5	ESE	2.5	ESE	2	E	.5	1.5
SWbyW	5.5	SWbyS	3	SWbyS	2.5	SWbyS	1.5	SWbyS	1	Calm		1.7
SW	4.5	SW	3.5	SW	3	SSW	2	S	1.5	Calm		3.1
SW	3.5	SW	4.5	SSW	1.5	Calm		Calm		Calm		2.3
SW	4.5	SW	4	SSW	2.5	S	1.5	SSE	1	Calm		1.8
WSW	3	WSW	3	SbyW	1.5	Calm		Calm		Calm		2.7
SWbyS	4	SSW	4	SSE	.5	SSE	.5	Calm		Calm		1.9
SSW	2	SEbyS	1.5	ENE	1	ENE	1.5	ENE	.5	Calm		1.8
SEbyE	2	SEbyE	2	SE	1	SE	2	Calm		ENE	1.5	2.1
S	2.5	NNE	3	ENE	1.5	Calm		ESE	.5	Calm		1.5
SSE	.5	SSE	.5	N	2	NbyW	5	E	3	NE	1	1.3
SW	2	NE	4	ESE	1.5	NE	1.5	NNE	2	Calm		2.2
EbyN	1	ENE	1	NbyE	3	NbyE	4.5	NbyE	2.5	NNE	2	1.6
SEbyS	2	SEbyE	3	ESE	2	EbyN	1.5	E	1	Calm		1.6
SW	4	SW	3	ENE	2.5	NNE	3	ENE	2.5	E	1	2.5
N	5.5	N	5	NNE	.5	NNE	.5	W	1.5	SW	5	2.1
NNE	4.5	E	.5	NNE	.5	NNE	.5	Calm		Calm		2.4
NE	1.5	E	1	E	1	ENE	1	ENE	1.5	ENE	1	1.7
NE	1	ENE	1	Calm		ESE	1	NNE	.5	NE	.5	1.3
S	1	S	.5	Calm		Calm		Calm		WbyN	1.5	2
NNE	1.5	E	1.5	NE	1	NE	1	NE	1	Calm		2.1
	2.8		2.5		1.7		1.5		1.2		0.9	2.1

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	10	8	10	8	5	3.5	3	3.5	2	10	16	**17.5**
2	8	3.5	4	5.5	5.5	5	6	10.5	10.5	9.5	15	19
3	7	7.5	6	3.5	3.5	4.5	3	6.5	6	11	**26**	18
4	5	5.5	5	5	2.5	1	1.5	3	7.5	9	10.5	15.5
5	3	4.5	5.5	2.5	3	3	4	9	10	12	17	15
6	6	6.5	4	4.5	5	8	6.5	4.5	5.5	7.5	15	17
7	.5	.5	.5	2.5	.5	1	2	3	8.5	16	22	17
8	1.5	11	6	3	2	3.5	2.5	4	3.5	3.5	5.5	15
9	0	0	.5	0	0	.5	1	2.5	4.5	11	15	13
10	1	1.5	3.5	3	1	0	.5	5.5	10.5	8.5	14	18
11	5.5	2	.5	2.5	4.5	5	3.5	4	5.5	6.5	**17.5**	8.5
12	2	0	.5	.5	1	0	2.5	5	4.5	5	8	11.5
13	8	10	11	11	7	1	0	4	6	9	13	17
14	1.5	1.5	2.5	1.5	0	.5	.5	3	9	7	13.5	12.5
15	1	1	1.5	1	0	0	.5	.5	5.5	6.5	10.5	12.5
16	.5	.5	.5	.5	.5	1.5	.5	3	5	9	17	13
17	0	1	0	0	0	0	0	0	3	11	15	14
18	.5	.5	.5	.5	1	.5	.5	0	7	9	14	**19**
19	0	0	.5	1	.5	2	.5	.5	2	11	**15**	14
20	6.5	1.5	4	2.5	4	2	1	1.5	7.5	7	10	11
21	1.5	1	2	5	6	4	2.5	3.5	7.5	10.5	7.5	8.5
22	3	3	.5	1	3.5	6.5	5.5	3	7.5	9	16.5	10
23	2	6	4.5	3	4.5	2.5	5	3	6.5	9	13.5	12.5
24	5.5	2.5	3	3	1.5	1.5	1	2.5	6.5	10.5	14.5	14
25	3	4	6	10	5	1	3.5	3.5	5	9	13	16
26	3	3	0	1.5	3	1	.5	1.5	5.5	10.5	13	13
27	16.5	5.5	1.5	1.5	1	1	.5	1.5	4	7	18	16
28	1.5	4	7	3	2	2	.5	1	4.5	4	11	8
29	4	2.5	3	.5	1.5	3	5	3	3	5	12	14
30	2	2	7	4	4	3	2.5	2.5	5	9	13.5	16.5
31	16	16	6	4	4	8	4	6	6.5	8.5	12	15
Mean	4	3.7	3.5	3.1	2.7	2.5	**2.3**	3.4	6	8.7	14	14.2

AMOUNT OF CLOUDS (0-10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.	
														h.	*m.*
1	4	2	4	4	4	3	1	0	3	3	**4**	5	3.1	10	00
2	7	5	4	4	3	3	4	4	5	6	**3**	1	4.1	9	55
3	0	1	1	4	3	2	0	0	0	0	1	2	**1.2**	**11**	**20**
4	3	4	4	4	**3**	2	2	2	2	1	1	1	2.4	10	45
5	5	4	3	2	2	2	3	2	3	4	7	7	3.7	9	10
6	8	7	5	5	6	3	7	4	1	2	3	4	4.6	8	20
7	2	1	3	5	3	4	2	2	1	1	2	2	2.3	10	30
8	9	8	10	10	10	9	10	9	8	6	3	6	**8.2**	**2**	**30**
9	2	2	4	3	5	6	3	6	9	10	10	10	5.8	7	50
10	7	5	3	5	5	6	2	3	4	2	7	7	4.7	8	40
11	1	1	2	6	8	7	8	8	8	9	5	2	5.4	7	00
12	2	2	2	2	3	4	2	3	4	4	2	3	2.8	10	40
13	4	4	5	6	4	4	2	1	3	3	2	5	3.6	9	40
14	3	5	3	4	4	3	1	0	0	1	1	4	2.4	10	10
15	6	9	7	8	7	8	8	7	5	4	3	5	6.4	7	00
16	7	7	6	5	4	4	4	4	4	7	7	8	5.6	9	45
17	6	5	4	4	5	3	1	1	1	1	3	2	3	10	00
18	2	1	1	2	2	2	1	2	7	6	2	4	2.7	6	45
19	1	1	1	2	2	2	3	3	3	2	3	3	2.2	10	30
20	8	7	4	3	6	3	6	8	8	6	8	10	6.4	6	30
21	6	4	7	7	7	7	7	8	10	10	10	10	7.8	3	30
22	7	6	6	6	8	8	6	7	8	9	8	10	7.4	8	35
23	6	2	2	3	5	7	8	10	10	10	10	10	6.9	5	45
24	5	5	6	6	6	5	6	7	10	10	10	10	7.2	6	15
25	3	4	5	3	3	4	4	7	9	9	8	9	5.7	6	25
26	1	2	3	4	4	4	3	4	4	7	8	9	4.4	9	40
27	1	4	4	3	3	4	4	7	6	10	10	10	5.5	6	15
28	7	9	8	8	8	8	6	6	6	8	10	10	7.8	5	35
29	3	2	2	3	4	3	4	6	9	10	10	10	5.5	7	25
30	1	2	2	3	3	3	3	4	5	9	8	9	4.3	8	00
31	3	4	5	4	4	3	3	4	4	4	7	10	4.6	8	00
Total														252	25
Mean	4.2	4	4.1	4.5	4.6	4.4	4	4.5	5.2	5.6	5.7	**6.4**	4.8	8	09

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–mdt.	Mean.
17	13.5	17	13	17	13.5	8.5	9.5	10.5	8.5	7.5	8	10
19	27	23	**30**	18	16	14	10	6.5	10	7.5	6.5	12.1
17	23	20	18	18	17	14	16	9	6	3	5	11.2
14.5	**16.5**	11.5	8	15	15	16	10	9	7	11.5	11	9
16.5	12.5	14.5	5.5	15	**18.5**	17.5	15	14	10	5.5	8.5	10.1
23	24	26	27	**29**	24	25	20	12.5	9	8	3	**13.4**
22	23	24	**25**	24	20	15	11	3	.5	2	2	10.2
18	7	12	11.5	9	2	.5	0	.5	0	1.5	1	**5.2**
15	16	**21**	12	11	8.5	10.5	10	7	2	2	2	6.9
16	**19**	**19**	**19**	18	11	13	8.5	8.5	9.5	7.5	4	9.2
10	13.5	12.5	13	9	11.5	10.5	5	6.5	6.5	9	5	7.4
18	17	17	15	13	15	**19**	13	10	7	2	1	7.8
17	19	**24**	21.5	18.5	21.5	16.5	12	11	8.5	6	3.5	11.5
14	12	20	**21**	**21**	19	15	13	11	4	.5	0	8.5
12	10	19	**25**	22	20.5	17.5	13	10.5	6.5	4	2.5	8.5
17	28	**30**	27	23	20	17	11	9	3.5	.5	1	9.9
13	13	16	20	**21**	**21**	15.5	13.5	9	2	1.5	.5	7.9
17.5	17	17.5	6	7.5	15	11	8.5	3.5	6	3	0	6.9
15	11	13	14	**15**	12	8.5	7.5	5	4	5	3.5	6.7
22	14	7.5	4	14.5	15	10	13	8.5	3	2	2	7.2
14	13	13	12	3.5	1.5	2	3	8	**18**	13	6.5	7
15	16.5	19	21	**23**	20	15.5	10.5	10	3	4	4	9.6
14	**14.5**	7	3.5	3.5	2.5	1.5	4	7	13	14	6.5	6.8
12.5	**18.5**	12.5	8.5	3.5	6.5	13	9	5.5	6.5	4	3	7
18.5	16.5	17	13.5	14	15.5	16	14	9	11	10	6.5	10
15	14	18	21	21	**25**	22	17	4	2.5	2	7.5	9.4
16	26	23	**28**	20	18	13	7	3	3	1	.5	9.7
12	17	16	18	**21**	18	4.5	6	2.5	3.5	3.5	5.5	7.3
16	16	**17**	11	8	1	3	4	2.5	3.5	6	4	6.2
14	**17**	14	12	12.5	7.5	5.5	4.5	1	4	2	3	7
13.5	**17.5**	16	16	15.5	10.5	5	6	4	4	3	2	9.1
15.9	16.9	**17.3**	16.1	15.6	14.3	12.1	9.8	7.1	6	4.9	3.8	8.7

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW	W.	WNW	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1	------	------	------	------	1	1	11	8	------	------	------	------	1	------	------	------	2	240	9.9	------
2	------	------	------	------	3	8	7	5	------	------	------	------	------	------	------	------	1	289.5	**10.4**	------
3	------	------	------	1	3	2	11	3	------	------	------	------	------	3	------	------	1	268.5	10	------
4	------	------	------	------	------	4	1	1	4	2	3	3	2	------	------	------	4	216	7.8	------
5	------	------	------	------	------	2	10	2	------	5	3	------	------	------	------	------	2	241.5	9	------
6	------	1	------	------	------	------	5	2	------	1	6	7	------	------	------	------	2	**320.5**	5.7	------
7	1	1	------	------	------	2	1	------	------	2	1	3	2	1	1	------	9	245.5	7.3	------
8	------	------	------	------	1	4	------	1	1	1	1	3	------	------	3	------	9	**124**	**4.1**	0.1
9	------	------	------	------	------	8	3	------	------	------	1	2	3	------	------	------	7	165	6.2	------
10	------	------	2	------	4	11	1	------	------	------	------	------	------	------	------	------	6	220	8.6	------
11	------	------	------	1	5	9	------	------	------	1	------	------	1	1	1	------	5	177.5	7.3	------
12	------	------	------	------	2	2	------	------	------	1	4	3	1	3	------	------	8	187.5	9.3	------
13	1	2	1	------	------	------	------	------	2	2	6	3	2	1	------	------	4	276	7	------
14	------	------	------	------	------	------	------	2	------	2	5	5	2	------	------	------	8	203.5	6.5	------
15	------	------	------	------	------	------	------	1	1	1	4	6	2	1	------	------	8	203	6.8	------
16	------	------	------	------	------	------	------	------	1	1	3	6	2	1	------	------	10	238.5	5.9	------
17	------	------	------	------	------	------	------	2	------	1	3	7	1	------	------	------	10	190	6.8	------
18	------	------	------	3	------	------	------	1	------	1	2	1	2	4	1	------	9	165.5	6.8	------
19	------	------	------	1	1	------	7	1	------	------	2	------	3	1	------	------	8	160.5	9.9	------
20	------	1	1	3	1	1	2	2	1	------	3	------	------	1	1	------	7	174	7.4	------
21	2	1	3	------	1	1	------	2	------	------	1	3	------	2	------	------	8	167	4.3	3.2
22	------	4	2	1	2	1	------	------	------	------	2	3	5	------	1	------	3	230.5	6.8	2.1
23	4	7	------	2	1	2	------	------	------	------	------	2	3	1	------	------	2	163	4.7	------
24	------	------	3	1	2	1	1	1	------	2	------	3	3	1	------	------	6	169	5.6	------
25	2	1	------	4	1	------	------	------	------	2	4	4	2	------	------	------	4	240.5	4.3	3.3
26	2	2	1	1	------	------	------	------	------	------	6	2	5	------	------	------	5	224.5	6.4	------
27	1	3	------	------	1	------	------	------	------	1	3	6	2	------	------	------	7	232.5	5.3	------
28	------	2	4	4	2	1	------	1	------	------	1	2	2	1	------	------	4	176	4.5	**12.2**
29	------	2	4	4	------	1	------	------	------	------	3	------	1	2	1	------	6	148.5	4.7	------
30	3	------	1	------	------	------	------	------	2	2	3	------	2	4	------	------	7	168	5.9	------
31	2	3	3	------	1	------	------	------	------	------	------	6	2	2	1	2	2	219	5.8	------
Total	18	30	25	26	32	61	60	35	12	28	70	80	51	30	10	2	174	6,445	211	20.9
Mean	0.6	1	0.8	0.8	1	2	1.9	1.1	0.4	0.9	2.3	2.6	1.6	1	0.3	**0.1**	**5.6**	207.9	6.8	0.7

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°C.		*Per cent.*	*mm.*	*mm.*		°C.		*Per cent.*	*mm.*
1	759	9.20a.	37.2	3.05p.	71	20.8	755.30	4.05p.	26.1	5.45a.	39	15.9
2	60.85	10.45p.	37.2	1.45p.	**70**	19.3	56.45	3.25p.	25.5	11.55p.	38.5	14
3	**61.85**	10.25p.	37.2	2.55p.	79	**18.4**	**58.20**	4.05p.	22.7	5.15a.	32.5	14
4	61.70	9.20a.	36.4	4.05p.	77	23	57.97	4.00p.	23.6	5.25a.	43	17
5	60.50	8.45a.	37	3.50p.	78	23.2	57.05	4.05p.	25.1	4.50a.	37.5	15.6
6	59.76	9.00a.	34.4	2.15p.	82	23.2	56.85	3.30p.	**26.5**	6.35a.	59	20.4
7	59.85	8.20a.	35.1	10.15a.	84	23.7	57.05	4.25p.	24.5	5.50a.	52	19.1
8	60.65	9.25a.	**33.1**	2.35p.	84	23	57.80	4.20p.	25.4	2.50a.	**63**	19.3
9	59.90	10.20p.	36.2	1.55p.	83	21.2	56.60	2.00p.	23.9	4.45a.	47.5	18.4
10	60.80	8.30a.	36.3	2.55p.	86.5	20.8	58.05	3.40p.	23.6	5.15a.	39	14.1
11	61.40	8.55a.	36.8	2.40p.	81	19.4	57.90	3.05p.	**21.9**	5.30a.	42	16
12	60.55	8.40a.	36.2	4.10p.	82	23.6	57	3.45p.	23.2	5.45a.	44.5	17.1
13	59.95	8.25a.	35	1.35p.	81	23.3	56.55	3.40p.	25.4	4.25a.	51	19.2
14	60.30	9.40a.	35.3	2.40p.	85	23.2	57.10	3.45p.	25.4	12.m.n.	55	19.4
15	60.35	9.25a.	35	3.10p.	82	22.8	57.35	4.20p.	23.9	5.45a.	50.5	17.3
16	59.90	9.15a.	35.2	0.45p.	86	24	56.90	4.15p.	23.7	4.45a.	59	18.8
17	59.90	9.10a.	35.1	1.30p.	90	22.3	56.90	4.45p.	23	5.30a.	55	17.8
18	60.20	8.50a.	36.7	1.35p.	81	22.7	57.25	2.25p.	23.6	5.20a.	47	16.1
19	59.85	9.05a.	**38.3**	3.20p.	83	21.4	56.45	4.15p.	24.2	4.55a.	**27**	**12.7**
20	58.95	8.35a.	37.3	1.55p.	80	22.7	55.70	3.50p.	24.1	1.30a.	42	14.9
21	60.85	10.35p.	35.1	1.50p.	86	22.6	56.90	2.05p.	24.1	12.m.n.	58	19.3
22	59.85	9.35a.	36.3	2.15p.	90	23.4	56.90	2.50p.	23.6	4.45a.	46	18.1
23	59.85	10.15p.	35.4	1.15p.	85	22.6	57.16	4.00p.	24.9	5.20a.	59	19.8
24	59.10	8.30a.	35.6	1.55p.	88	23.3	56.10	2.55p.	24.5	5.35a.	53	19.3
25	**58.45**	0.05a.	35.7	1.05p.	87	23.4	**54.85**	3.10p.	24.3	5.20a.	58	18.9
26	58.60	10.40p.	35.4	3.10p.	89	23.3	55.75	3.35p.	23.9	3.45a.	55	19.8
27	59.65	9.55p.	35.6	1.20p.	90	23.9	55.65	3.05p.	25	5.50a.	58	20.2
28	60.40	10.50p.	36.7	2.20p.	**91**	23.1	56.45	3.05p.	23.6	6.05p.	50	19.9
29	60.22	9.00p.	36.6	1.15p.	87	23.4	56.55	3.10p.	24.1	5.05a.	56	19.3
30	59.90	8.10a.	36.1	3.40p.	87	**25.2**	56.25	3.45p.	24.5	5.10a.	58	**20.5**
31	59.64	10.00a.	35	1.45p.	89	23.7	56.60	2.50p.	25.5	2.40a.	59	18.6
Mean	760.09	.....	36	.....	83.7	22.6	756.76	.....	24.3	.....	49.5	17.8

DAILY GENERAL REMARKS.

1____Somewhat gusty SEly winds in the afternoon.
2____As yesterday.
3____Do.
4____Fair weather.
5____Cloudy weather.
6____◠ in the morning; somewhat gusty SWly winds in the afternoon.
7____Somewhat gusty Wly winds in the afternoon.
8____d in the early morning; gusty WSW winds at noon; ⊤ SE in the afternoon.
9____◹ NE quadrant in the afternoon.
10____Somewhat gusty ESE winds in the afternoon.
11____Cloudy weather.
12____Fair weather.
13____Somewhat gusty WSW winds in the afternoon.
14____As yesterday.
15____Cloudy weather.
16____Gusty WSW winds in the afternoon.
17____Fair weather.
18____⊤ NE 3.15p.
19____Somewhat gusty SEly winds in the afternoon.
20____⊤ E in the afternoon.
21____⊤ ENE, S in the morning; ◹ NE, d° in the afternoon; ● at night.
22____● in the early morning.
23____◹ NE quadrant in the afternoon.
24____⊤ NE quadrant, d° in the afternoon.
25____d°, ◹ NE quadrant in the afternoon; ● at night.
26____⊤ E 12.15p.; ◹ SW 6.45p.
27____◹ NE quadrant in the afternoon.
28____Local thundershowers, came from the NE quadrant in the afternoon.
29____◹ SW and NE quadrants in the afternoon.
30____◹ S quadrant in the afternoon.
31____⊤ SE, ◹ ENE in the afternoon.

OBSERVATIONS FOR JUNE, 1912.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	58.30	58.25	58.25	58.25	58.45	58.71	58.83	58.87	59.02	59.12	58.75	58.20
2	59.45	59.20	59.25	59.45	59.85	60.14	60.36	60.47	**60.66**	60.39	60.17	59.76
3	59.55	59.30	59.10	59.30	59.35	59.78	59.99	60.19	**60.30**	60.12	59.55	59.17
4	58.85	58.30	57.95	57.90	58.05	58.50	58.79	58.95	58.82	58.55	58.05	57.56
5	58.40	57.95	57.80	57.65	57.95	58.15	58.57	58.63	58.66	58.52	58.02	57.61
6	58.85	58.70	58.50	58.35	58.50	58.67	58.78	58.88	58.97	58.70	58.17	57.40
7	58.90	58.25	58.25	58.30	58.25	58.72	58.76	**59.34**	59.07	58.68	58.11	57.45
8	57.90	57.70	57.30	57.20	57.50	58.15	58.46	58.49	58.99	58.60	58.24	58.06
9	58.50	58.20	57.90	58.10	58.25	58.12	58.54	59.01	59.07	59.05	58.73	58.35
10	58.95	58.60	58.35	58.40	58.50	59.41	59.70	59.46	59.43	59.20	59.05	58.27
11	58.95	58.80	58.25	58.45	58.25	58.54	59.24	59.45	59.57	59.60	59.22	58.69
12	59.20	58.70	58.80	58.40	58.65	59.04	59.62	59.72	**59.75**	59.47	58.83	58.20
13	58.70	58.40	58.60	58.70	58.85	58.90	59.59	59.88	**60.33**	60.02	59.59	59.01
14	59.20	58.85	58.25	57.85	58.35	59.14	59.58	59.80	59.62	59.27	58.87	58.30
15	58.60	58	57.45	57.25	57.55	58.14	58.39	**58.64**	58.52	58.28	57.82	57.64
16	57.35	57	56.60	56.65	56.65	56.99	57.12	57.43	57.56	**57.70**	57.50	57.15
17	56.75	56.15	56	56.05	56.15	56.74	57.07	57.09	57.04	56.91	56.65	56.40
18	57.10	57.10	56.75	56.65	56.85	57.09	57.48	57.63	57.62	57.61	57.57	57.10
19	57.15	56.95	56.90	57.05	57.20	57.69	57.48	57.84	57.65	57.40	57.15	56.59
20	56.80	56.55	56.55	56.50	56.80	56.94	57.04	57.02	57.06	57.28	56.95	56.77
21	56.95	56.80	56.60	56.40	56.50	56.77	56.95	57.19	57.32	57.28	57.04	56.90
22	58	57.35	57.35	57.30	57	57.20	57.62	57.83	58.31	58.29	58.12	57.51
23	58.50	57.90	57.65	57.45	57.75	58.12	58.47	**58.78**	58.77	58.66	58.12	57.72
24	58.05	57.40	57.15	56.80	57	57.49	57.65	57.94	57.96	57.90	57.81	57.30
25	58.25	58	57.55	57.35	57.65	57.89	58.30	58.23	58.17	58.15	57.97	57.47
26	58.55	58.25	58.05	57.55	57.65	57.94	58.22	58.53	58.58	58.55	58.31	57.97
27	**58.65**	57.95	57.80	57.50	57.65	57.91	58.15	58.17	58.33	58.21	57.70	57.40
28	57.70	57.20	56.90	56.75	56.80	57.26	57.33	57.38	57.43	57.35	57.30	56.90
29	57.85	57.40	57.40	57.40	57.30	57.28	57.47	57.42	57.49	57.65	57.61	57.36
30	58.65	58.30	57.85	57.60	57.85	58.14	58.30	58.48	58.73	58.76	58.56	58.29
Mean	58.29	57.92	57.70	57.62	57.77	58.12	58.40	58.56	58.63	58.51	58.18	57.75

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	26.6	26	26	25.7	25.6	25.8	28.4	31.4	31.9	31.5	32	**33.8**
2	24.9	24.8	24.7	24.4	**24.3**	24.6	25.7	27.8	30.1	31.5	31.7	32.3
3	25.8	25.4	25.1	25	**24.6**	**24.6**	27.8	30.6	30.5	32	32.9	33.3
4	25.3	25.2	24.9	**24.6**	24.8	25	26.5	28.9	30.8	31.9	33.7	34.6
5	26.5	26.2	25.9	25.6	25.5	**25.4**	27.5	29.7	30	31.7	33.2	34.6
6	25.4	25.3	24.8	24.6	**24.3**	24.5	27.5	30.1	30.1	32.3	33	33.6
7	26.1	26	26	25.5	25.1	25.4	29	29.8	31.6	31.9	31.7	33.1
8	25.9	25.1	24.8	**24.7**	**24.7**	25	27.8	29.8	30	30.6	32.1	32.2
9	25.8	25.5	25.3	**25.1**	25.2	**25.1**	27	29.5	30.6	31.4	31.8	32.2
10	25.8	25.6	25.5	25.4	**25.2**	25.7	29	30	31.4	30.4	32.4	32.2
11	27.1	27	26.3	26.3	**26.1**	26.3	28.8	30.6	30.8	31.6	32	32.9
12	26.6	26	25.8	25.7	25.4	25.8	28.8	30.8	30.5	29.8	31.1	31.4
13	25.9	25.1	24.7	**24.6**	**24.6**	24.7	25.7	27	27	28.2	29.6	**30.6**
14	25.9	**25.4**	**25.4**	25.5	**25.4**	25.5	26.7	29	30.4	30.6	30.7	31.3
15	25.2	25.1	25	24.9	**24.7**	24.9	26.1	28.5	29.6	29.9	31	31.7
16	26	25.8	25.8	25.3	**25.1**	25.3	27	29.4	30.7	31.2	31.4	32.3
17	26	25.5	25.3	25.2	**25.1**	25.6	27.4	29.4	30	30.6	31.6	31.2
18	28	27.9	28	**26.9**	27.1	27.2	28.3	30.8	30.9	31.5	31.7	32.1
19	27.3	27.3	27.5	26.7	26.4	**25.2**	26.9	28.6	30.3	31.3	31.1	31.2
20	25.2	**25**	25.1	25.1	25.2	25.2	26.8	29	29.4	31	31.2	**31.8**
21	27.1	27.5	27.7	25.5	**25.2**	25.6	26.7	29.5	30.5	31	31.2	31.6
22	25.9	25.2	25.1	25	24.9	**24.8**	27	28.4	29.3	29.4	31.5	31.7
23	26	25.3	25.2	25.1	**24.9**	25.1	27.6	29.7	30.4	31	31.3	31.5
24	25.8	25.3	25.2	24.9	**24.8**	25.5	27.2	29.9	30.3	31.5	31	31.6
25	26.5	26.2	25.8	25.4	**25.2**	25.3	28.3	29.8	30.1	30.8	31.5	31.6
26	26.7	25.9	25.6	25.6	**25.2**	25.3	28.3	29.3	30.4	30.5	32	32.2
27	26.4	25.9	25.5	25.4	**25.2**	**25.2**	28.5	30.3	30.6	30.5	31.5	32.3
28	26.6	26.8	26.7	25.5	**25.4**	**25.4**	28.5	29	31.3	30	31.4	32.3
29	26.5	26.2	25.9	25.4	25.4	25.4	27.7	29.4	30.6	31.3	31.9	32.4
30	25.4	25	24.9	24.8	**24.7**	25	27.6	29.5	28.9	30.9	31.8	32
Mean	26.1	25.8	25.6	25.3	**25.2**	25.3	27.5	29.5	30.3	30.9	31.7	32.3

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
57.55	57.95	**57.42**	58.06	58.12	58.45	59	59.40	59.75	**60.30**	60.20	59.80	58.71
59.05	58.32	**57.72**	57.75	57.84	58.16	58.60	59.05	59.50	60.05	60.10	59.95	**59.38**
58.52	57.79	**57.17**	57.25	57.45	57.99	58.10	58.45	59.50	59.90	59.70	59.40	59.04
56.98	56.67	**56.24**	56.29	56.60	57.05	57.60	58.25	58.60	**59.10**	59	58.85	57.98
57.08	**56.52**	56.93	56.92	57.23	58.13	58.15	58.10	58.80	59.25	**59.35**	59.05	58.06
56.71	56.25	56	**55.69**	**56**	56.85	57.40	58.10	58.85	**59.30**	**59.30**	59.25	58.01
56.59	56	**55.22**	55.54	**55.95**	56.47	57.20	57.95	58.45	59.05	58.65	58.90	57.84
57.13	56.59	**56.63**	56.64	56.80	57.22	57.70	58.30	58.90	**59.15**	59.10	58.70	57.89
57.92	57.09	56.92	**56.63**	57.15	57.86	58.35	58.80	59.45	59.55	**59.75**	59.40	58.36
57.50	56.75	56.52	**56.34**	56.70	57.39	58.10	58.65	59.30	**59.75**	59.55	59.50	58.47
57.95	57.51	56.85	**56.78**	57.05	57.64	58.10	58.60	59.10	59.25	**59.75**	59.50	58.55
57.06	56.18	55.83	**55.67**	56.18	57.48	57.90	58.50	59.35	59.35	59.45	59.20	58.36
58.25	57.50	**56.96**	57.38	57.35	57.66	58.50	59.20	59.80	59.95	59.80	59.25	58.84
57.71	57.31	56.92	**56.85**	57.35	57.80	58.10	59.20	59.80	**60.05**	60	59.40	58.65
57.15	57.02	56.67	**56.56**	56.60	57.30	58.10	58.40	58.40	58.30	58.15	57.80	57.78
57.04	56.39	56.27	**55.88**	56.50	56.72	57.05	57.20	57.30	57.30	57.40	57.15	57
55.89	55.73	55.54	**55.26**	55.45	55.59	56.47	57.10	57.20	57.60	**57.75**	57.45	**56.50**
56.68	56.20	56.05	**55.93**	56.51	56.90	57.25	57.85	58.15	**58.20**	58	57.25	57.15
56.51	56.40	56.25	**55.97**	56	56.25	56.80	57.25	57.85	**58.10**	58.05	57.55	57.08
56.25	56.17	**55.90**	**55.90**	56.02	56.75	57.21	57.60	57.95	**58.25**	58	56.95	56.88
56.45	56.10	**55.85**	55.94	56.15	56.73	57.54	58	58.50	**59.20**	59	58.45	57.11
57.04	56.81	56.44	**56.19**	56.66	57.62	58.10	58.25	58.20	58.40	**58.85**	58.80	57.64
57.12	56.63	**56.30**	56.38	56.65	56.96	57.65	57.90	58.40	58.60	58.70	58.35	57.81
56.87	56.58	56.23	**56.13**	56.40	56.70	57.50	58.25	58.60	59.05	**59.25**	58.90	57.54
57.22	56.56	55.98	**55.94**	56.25	56.55	57.34	57.90	58.25	58.85	**59.05**	58.65	57.65
57.54	56.98	56.68	**56.45**	56.55	57.13	57.60	58.15	58.90	**59.45**	59.40	59.05	58
57.05	56.41	56.18	56.24	**56.04**	56.36	56.74	57.50	58	58.45	58.35	58	57.53
56.54	56.13	55.79	**55.50**	55.67	56.35	56.56	57.25	57.80	**58.35**	58.20	58.20	57.03
57.01	56.84	**56.26**	56.41	56.41	57.34	58.35	58	58.15	58.85	**59.45**	59.20	57.58
57.72	56.95	**56.66**	56.70	56.96	57.80	58	58.40	59	59.25	**59.50**	59.20	58.15
57.20	56.74	56.41	**56.37**	56.62	57.17	57.70	58.18	58.66	59.01	**59.03**	58.70	57.89

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
33.8	29.4	27.8	27.5	28	27.8	27.2	27.1	26.6	26.2	25.8	**25.3**	28.2
33.7	32.2	**34.1**	32	31.5	30.5	28.8	28.3	28.1	27.5	27.3	26.1	28.6
33.8	34.4	**34.7**	32.5	33	32.2	28.6	28.2	28.2	26.4	26.3	25.3	29.2
35.8	34.4	32.9	31.3	33.1	29.1	25.9	26.2	26.1	26.3	26.5	26.5	28.8
35.5	30	28.4	28.1	28.1	27.9	27.7	27.2	27	26.4	26	25.5	28.3
33.9	**34.4**	33.3	31.2	30.7	29.7	29.8	29.8	30	29.3	27.4	26.9	29.2
33.6	33.4	**34**	31.7	31.7	30.4	29.7	**24.7**	28.8	25.8	25.6	25.5	29
32.6	**32.8**	**32.8**	32.4	30.8	30	29.4	28	27.4	27	26.4	26.1	28.7
33.1	32	32.2	31.3	30.6	29.4	29.4	29.1	28.6	28.5	27	26.2	28.8
31.8	33.2	**33.8**	32.1	30.5	29.8	29.7	29.6	29.6	28.7	27.9	27.7	29.3
33.3	**33.3**	32.8	31.8	32.2	30.5	29.7	29.1	28.5	28	27.4	27.1	**29.6**
32.7	33.1	33.6	**34.9**	32.1	29.3	**23.9**	25.1	26.2	24.7	25.9	26.4	28.6
27.3	28.2	28	27.7	28	26.3	25.7	26.5	26.8	27.1	27.4	26.3	**26.8**
31.5	32.1	**32.6**	32.2	31.4	29.6	29	29.1	27.1	26.8	26	25.6	28.5
32.3	31.3	31.4	32.2	31.3	29.8	29.3	29.2	28.9	28.7	27.5	26.6	28.5
32.2	**32.7**	31.8	31.3	30.3	29	28.9	28.4	28.4	28.1	27.3	26.3	28.8
32.3	32	31.9	31.8	30.7	29.8	28.6	28.7	28.6	28.3	28	27.9	28.8
32.2	32	32.1	31.7	30.9	29.1	28.8	28.9	28.7	28.4	28.2	28.2	**29.6**
31.4	31	**31.5**	30	30	29.1	29.1	28.1	27.7	27.7	26.3	25.8	28.6
30.4	30.3	30.6	29.3	29.9	28.2	28	28.1	28	27.9	27.6	26.9	28.1
31.7	**31.7**	31.5	30.6	29.5	28.9	27.9	27	27.7	27.4	26.9	26.5	28.6
32.3	31.4	31.9	31	30.5	30	29.2	28.8	28.5	27.1	26.5	26.1	28.4
31.4	32.3	**32.5**	31.4	29.4	29.3	29.2	29.1	29	29	29.1	26.9	28.8
32.5	32.4	32.2	31.7	30.4	30	29.4	29.2	29.2	28.9	27.5	27	28.9
32	**32.6**	32.5	32.4	31.7	30.2	29	28.8	28.6	28.6	28.2	28.1	29.1
32.5	32.6	**33.2**	32.5	31.3	29.8	29.2	29.1	29.1	29	28.4	27.6	29.2
32.6	**32.7**	31.3	30.3	31.4	30.5	29.2	28.8	28.7	28.3	27.3	26.8	29
32.5	**32.5**	32	29.6	29.6	30.1	29.1	29.1	28.1	27.4	27.1	26.4	28.8
32.7	31.5	31.3	30.5	31	26.4	25	**24.8**	25	25.3	25.6	25.5	28
33.1	32.3	29.1	29.2	29.2	28.9	26.4	26	26.1	25.9	25.9	25.8	27.8
32.6	32.1	31.9	31.1	30.6	29.4	28.4	28	28	27.5	27	26.5	28.7

RELATIVE HUMIDITY (%).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	80	83	83	85	86	**87**	79	65	65	66	64	**57**
2	89	89	90	**91**	89	88	88	78	69	65	63	59
3	82	83	**85**	83	83	83	75	63	68	63	60	56.5
4	84	84	87	**89**	87	87.5	82.5	73.5	67	65	59	52
5	82	85	84	85	86	**90**	83	73	74	66	57	**51**
6	86	84	87	87	**90**	89	83	72	72	63	62	59
7	85	85	85	88	85	93	75	73	67	65	66	60
8	88.5	87	88	89	90	**92**	85	73	73	70	68	65
9	93	93	93	**94**	93	**94**	88	71	70	71	69	66
10	86	88	88	**89**	88	88	79	71	65	69	65	65
11	84	84	90	87	**91**	88	82	72	71	64	64	**56**
12	85	85	83	84	84	85	78	72	68	69	69	63
13	93.5	92	**94**	90	93	**94**	93	86	86.5	81	76	**71**
14	92	**96**	95	95	94	95	92	76	66	65	64	65
15	89	89	90	89	**92**	**92**	88	78	71	67	67	66
16	92	92	92	**93**	**93**	92	86.5	79	70.5	**66**	68	67
17	89	93	**94**	**94**	**94**	93	89	76	75	75	69	69
18	85	83	83	**90**	84	83	85	70	67	67	**66**	68
19	87	87	84	90	92	**97**	91	84	75.5	73	71	73
20	90	92	91	92	95	**96**	92	83	79	73	73	**66.5**
21	87	84	81.5	93	**95**	94	92	76	72	70	70	68
22	82	85	85	87	86	87	80.5	77	71	70	68	62
23	90	**93**	92.5	92	**93**	92	87	78	75	74	71	68
24	88	90	92	92	92	**93**	89	79	71.5	72	66	68
25	86	87	91	**93**	92	92	82	78	75	70	68	66
26	88	92	**93**	92	92.5	91	81	76	65	72	63	59
27	86	**88**	**88**	**88**	**88**	**88**	80	72	71	70	68	**63**
28	87	86	87	**91**	88	89	80	74	66	68	65	65
29	88	89	88	90	**92**	91	83	72	68	63	60	60
30	88	91	91	92	92	92	86	79	80.5	70	65	64
Mean	87.1	88	88.5	89.8	90	**90.5**	84.5	75	71.2	68.7	66.1	63.3

VAPOR PRESSURE (mm).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	20.6	20.7	20.7	20.9	21	21.5	22.7	22.2	**22.8**	22.6	22.5	22.3
2	20.9	20.7	20.8	20.6	20.1	20.3	21.7	21.6	22	22.2	21.9	21.2
3	20.3	19.9	20.1	19.7	**19.2**	**19.2**	20.8	20.7	21.9	22.1	22.1	21.5
4	20.2	20.1	20.3	20.4	20.3	20.6	21.2	21.7	22.2	**23**	22.9	21.1
5	21	21.4	20.8	20.8	20.9	21.7	22.6	22.7	**23.4**	23.2	21.5	20.7
6	20.7	20.2	20.2	**20.1**	20.3	20.3	22.6	22.9	22.9	22.5	23.2	22.8
7	21.3	21.3	21.3	21.3	**20.1**	22.3	22.3	22.6	23.2	23	22.9	22.4
8	22	**20.5**	**20.5**	20.6	20.8	21.6	23.6	22.8	23.1	23	**24.2**	23.3
9	22.8	22.6	22.3	22.3	22.2	22.3	23.3	21.7	22.7	**24.2**	24	23.7
10	21.2	21.4	21.3	21.5	**21.1**	21.5	23.6	22.5	22.1	22.3	23.6	23.3
11	22.4	22.3	22.8	22.1	22.9	22.3	**24.1**	23.4	23.3	22.1	22.7	**20.9**
12	21.9	21.3	20.5	20.7	20.2	21.1	22.8	23.7	21.9	21.6	23.3	21.4
13	23.2	21.9	21.8	**20.7**	21.4	21.8	22.9	22.7	22.9	23	23.3	23.1
14	22.8	23.1	22.9	23	22.7	23	**23.9**	22.5	21.2	21.3	21	22.1
15	21.2	21.1	21.2	**20.9**	21.4	21.6	22.1	22.6	21.9	21.1	22.3	22.9
16	22.9	22.7	22.7	22.3	22.1	**21.9**	22.9	23.9	23.1	22.4	23.3	24.1
17	**22.3**	22.4	22.6	22.4	**22.3**	22.8	24.1	23.3	23.5	24.4	23.8	23.2
18	23.8	23.2	23.3	23.6	22.4	22.2	24.2	23	**22.1**	23	23.2	24.2
19	23.5	23.4	23	23.3	23.5	23	24	24.4	24.2	**24.9**	23.7	24.5
20	**21.4**	21.6	21.7	21.9	22.6	22.8	24.1	**24.8**	23.9	24.5	24.5	23.3
21	23.1	22.8	22.4	22.6	22.6	22.9	**23.9**	23.2	23.5	23.3	23.6	23.6
22	20.4	20.3	**20.1**	20.4	**20.1**	20.2	21.3	22.3	21.5	21.4	**23.3**	21.5
23	22.5	22.2	22	21.9	**21.8**	21.9	24	24.1	24.1	**24.6**	24	23.4
24	21.9	21.5	21.8	21.4	**21.3**	22.4	23.8	**24.7**	22.9	24.6	22.1	23.4
25	22	22	22.4	22.5	**21.8**	21.9	23.3	**24.3**	23.9	23	23.3	23
26	22.9	22.8	22.5	22.4	22	21.8	23.2	23.1	**21**	23.2	22.3	21.1
27	21.9	21.8	21.4	21.3	**20.8**	21.1	23	23.2	23.1	22.8	23.3	22.5
28	22.6	22.4	22.7	22	**21.3**	21.5	23	22	22.6	21.4	22.2	**23.4**
29	22.6	22.4	21.8	21.7	22.1	21.9	**22.9**	21.8	22.1	21.4	21.1	21.6
30	21.3	21.3	**21.2**	21.3	21.4	21.7	23.6	**24.3**	23.8	23.2	22.8	22.5
Mean	21.9	21.7	21.6	21.6	**21.4**	21.7	**23**	**23**	22.8	22.8	22.9	22.6

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
57	65	74	75	74	74	77	79	82	84	85	**87**	75.5
56	61	57	63	59	65	71	72	72	73	75	81	73.5
50	**49**	51	61	57	58.5	74	73	74	82	81	**85**	**70**
46	**46**	49	60	59	67	76	79	82	79	79	82	71.7
51	55	68	68	68	69	72	75	77.5	82	85	85	73.8
59	**56**	59	71	70	71	74	73	72	72	81	82	73.9
56	57	**56**	66	66	70	74	**97**	80	89	91	91	75.8
65	**64**	**64**	66	71	72	78	83	84	86	89	91	78.4
63	65.5	66	66	67	72	71	72	74	76	83	85	77.3
67	**59**	61	69	70	73	72	72	73	77	81	80	74.8
59	59	58	65	63	68	71	72	75	77	81	82	73.5
58	59	54	**48.5**	67.5	71	**97**	96	90	**97**	91	90	76.8
81	78	82	84	82	93	85	87	85	87	85	91	**86.2**
66	63	59	**56**	62	70	71	71	78	80	82	85	76.6
65	68	65	**63**	66	72	74	74	76	78	87	89	77.3
67	66.5	67	68	68	74	74	77	77	79	86	90	78.5
67	69	71	72	74	74	83	80	83	85	85	85	80.8
68	68	69	**66**	68	78	79	78	80	82.5	82	82	76.3
69	71	72	73	73	78	77	77	84	83	82	84	80.3
70	71	70	76	71	78	77	79	81	81	83	88	81.1
68	**67**	68	72	73	74	74	74	73	75	79	81	77.5
58	63	62.5	62	68	71	76	78	79	83	86	**89**	75.7
68	64	**62**	68	75	76	74	76	74	75	74	83	78.1
60.5	**59**	63	66	71	71	72	76	74	77	82	84	77
69	**61**	**61**	63	64	72	78	76	79	78	82	80	76.8
60	61	**58**	61	70	75	76	74	76	77	81	79	75.5
63	**63**	69.5	72	69	68	75	78	78	80	85	**86**	76.5
64	**61**	64	75	74	71	75	76	82	77	83	87	76.5
58	65	67	70	62	71	80	87	86	88	86	88	77.2
57.5	60	76	81	80	82	90	**94**	93	**94**	93.5	93	82.7
62.2	62.5	64.1	67.6	68.7	72.6	76.6	78.5	79.1	81.1	83.5	85.5	76.9

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
22.3	**19.8**	20.6	20.4	20.7	20.6	20.6	21.1	21.1	21.2	21.1	20.8	21.3
21.9	21.7	**22.5**	22.3	20.3	21.1	21	20.5	20.4	**19.8**	20.2	20.3	21.1
19.7	19.8	20.9	**22.2**	21.2	20.9	21.5	20.8	20.9	21.1	20.5	20.4	20.7
19.9	18.5	**18.3**	20.5	22	20	18.9	19.8	20.5	20.2	20.3	21	**20.6**
21.8	**17.3**	19.5	19	19	19.2	19.9	20	20.5	21.1	21.3	20.7	20.8
23.3	22.5	22.6	**24.1**	22.9	21.9	23.1	22.6	22.7	21.7	22.1	21.6	22.1
21.5	21.8	22.2	23.2	22.9	22.7	22.9	22.5	**23.7**	22	22.1	22	22.2
23.6	23.8	23.8	24	23.4	22.7	23.7	23.3	22.9	22.7	22.7	22.9	22.7
23.8	23.1	23.7	22.6	21.7	22.1	21.6	21.6	**21.5**	22	21.9	21.6	22.6
23.5	22.4	24	**24.4**	22.6	22.8	22.3	22.1	22.5	22.5	22.6	22	22.5
22.3	22.3	21.4	22.7	22.6	22.2	21.9	21.6	21.8	21.7	21.8	21.8	22.3
21.3	22	20.9	**20.1**	**23.9**	21.5	21.3	22.7	22.8	22.3	22.6	23.1	21.9
21.9	22.1	22.9	23.3	23.1	**23.6**	20.9	22.4	22.2	23.1	23	23.2	22.5
22.6	22.2	21.5	**20.1**	21.2	21.5	21.2	21.4	20.8	20.8	20.6	20.8	21.8
23.4	23	22.2	22.6	22.3	22.4	22.5	22.3	22.4	22.7	**23.6**	23	22.2
23.9	**24.5**	23.5	23.1	**21.9**	22	**21.9**	22.3	22	22.2	23.1	22.8	22.8
24.1	24.3	24.9	**25**	24.2	23.1	24	23.5	24.2	24.4	23.9	23.8	**23.6**
24.3	24	**24.4**	22.9	22.5	23.2	23.3	23.2	23.5	23.7	23.4	23.4	23.3
23.5	23.6	24.6	23.1	23.1	23.5	23.1	21.8	23.3	22.9	20.9	**20.7**	23.3
22.7	22.7	23	22.9	22.2	22.1	21.7	22.2	22.7	22.6	22.8	23.2	22.8
23.6	23.3	23.3	23.4	22.4	21.9	20.6	**19.6**	20.1	20.3	20.8	20.8	22.4
20.8	21.6	21.9	20.6	22.2	22.3	22.8	22.8	22.8	22.3	22	22.5	21.6
23.3	23	22.7	23.1	22.9	22.9	22.3	22.8	21.9	22.3	22	22	22.8
22	21.4	22.6	23.2	22.8	22.3	22.1	22.8	22.2	22.8	22.4	22.3	22.5
24.3	22.2	22.2	22.7	22.3	23	23.1	22.4	23	22.6	23.2	22.6	22.8
21.8	22.2	22	22.2	**23.8**	23.2	22.8	22.2	22.7	22.9	23.3	21.7	22.5
23	23.1	**23.6**	23.2	23.5	21.9	22.6	23	22.9	22.9	22.9	22.6	22.6
23.3	22.2	22.7	23.2	22.8	22.4	22.4	22.8	23.3	22.3	22	22.3	22.4
21.4	22.2	22.7	22.8	20.8	**18.2**	18.9	20.3	20.2	21	21	21.3	21.4
21.6	21.7	22.8	**24.3**	24	24.2	23.1	23.3	23.3	23.4	23.2	23.1	22.8
22.5	22.1	22.5	22.6	22.4	22	21.9	22	22.2	22.1	22.1	22	22.2

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	A.-Cu.		A.-Cu.		Ci.		Ci.		Ci.		Ci.	
2	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
3	Ci.-S.		Ci.-Cu.		Ci.-Cu.		A.-Cu.		Ci.		Ci.	
4	Ci.-S.		Ci.-S.		Ci.		Ci.		Ci.		Ci.	
5	Ci.		Ci.		Ci.-S.		Ci.		Ci.-S.		Ci.-S.	
6	Ci.		Ci.		Ci.		Ci.				Ci.	
7	Ci.		Ci.		Ci.-S.		Ci.		Ci.		Ci.	
8	A.-Cu.		Ci.		Ci.		Ci.		Ci.		Ci.	
9	Ci.-S.		Ci.		Ci.		Ci.		Ci.		Ci.	
10	Ci.-S.		Ci.		Ci.		Ci.		Ci.		Ci.	
11	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
12	Ci.		Ci.-S.	W	Ci.-S.	W	Ci.-S.		Ci.		Ci.	
13							A.-Cu.				A.-Cu.	
14	A.-Cu.		A.-Cu.	SSW	Ci.		Ci.		Ci.	SW	Ci.-S.	
15	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
16	Ci.-S.		Ci.-S.		Ci.-S.		Ci.	NEbyN	Ci.	NEbyN	Ci.	
17	Ci.		Ci.				Ci.		Ci.		Ci.-S.	
18	Ci.-S.		Ci.		Ci.	ENE	Ci.		Ci.		Ci.	
19			Ci.-S.		Ci.-S.		Ci.		Ci.		Ci.	
20	Ci.-S.	ENE	Ci.-S.		Ci.-S.		Ci.		Ci.		Ci.	
21	A.-Cu.		Ci.		Ci.		Ci.		Ci.		Ci.	
22	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
23	Ci.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
24	Ci.	E	Ci.		Ci.		Ci.		Ci.	ESE	Ci.	
25	A.-Cu.		Ci.		Ci.		Ci.		Ci.		Ci.	
26			Ci.-Cu.	ENE			Ci.-Cu.		A.-Cu.	E		
27	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
28									Ci.		Ci.	
29	Ci.		Ci.	E	Ci.	E	Ci.-S.		Ci.		Ci.-S.	
30	Ci.		Ci.		Ci.		Ci.		Ci.-S.		Ci.-S.	

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Cu.		Cu.		Cu.		N.-cf.		Cu.		Cu.	
2	S.-Cu.		Cu.		Cu.		Cu.		Cu.-N.		Cu.	
3	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
4	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
5	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.-N.	
6	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
7	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
8	Cu.		S.-Cu.		Cu.		Cu.		Cu.		Cu -N.	
9	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
10	Cu.		Cu.	SEbyS	Cu.	SSE	Cu.	SSE	Cu.	SSE	Cu.-N.	
11	Cu.		Cu.	EbyN	Cu.	EbyN	Cu.	EbyN	Cu.	E	Cu.	
12	Cu.-N.		Cu.		Cu.-N.		Cu.-N.		Cu.		Cu.	
13	N.-cf.		Cu.-N.	SW	N.-cf.	SSW	S.-Cu.	SSW	S.-Cu.	SSW	Cu.-N.	
14	Cu.		Cu.-N.		Cu.		Cu.		Cu.		Cu.-N.	
15	S.-Cu.		S.-Cu.		S.-Cu.		S.-Cu.		Cu.		Cu.	ENE
16	Cu.		Cu.		Cu.		Cu.		Cu.-N.		Cu.-N.	
17	Cu.-N.		Cu.	W	N.-cf.	W	N.-cf.	W	Cu.	W	Cu.	
18	Cu.	WSW	Cu.	W	Cu.	W	Cu.	WbyS	Cu.		Cu.	
19	Fr.-N.	WSW	Cu.	WSW	Cu.	WSW	Cu.	WSW	Cu.-N.	WSW	Cu.-N.	W
20	Cu.		Cu.	WNW	Cu.-N.	W	Cu.-N.	W	Cu.-N.		Cu.	
21	Cu.-N.		Cu.-N.	WbyS	Cu.-N.	WbyS	Cu.-N.	WSW	Cu.	WSW	Cu.-N.	
22	Cu.		Cu.		Cu.		Cu.-N.		Cu.-N.		Cu.-N.	
23	Cu.		Cu.		Cu.		Cu.		Cu.-N.		Cu.	
24	Cu.	S	Cu.	S	Cu.	S	Cu.	SSE	Cu.		Cu.	
25	Cu.-N.	WSW	Cu.	WSW	Cu.	WSW	Cu.	WSW	Cu.-N.		Cu.-N.	
26	Cu.		Cu.		Cu.	SE	Cu.	SE	Cu.		Cu.	
27	Cu.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.		Cu.	
28	Cu.	SSE	Cu.	SSE	Cu.	SSE	Cu.		Cu.	SSE	Cu.	SSE
29	Cu.		Cu.		Cu.	S	Cu.	S	Cu.	S	Cu.	
30	Cu.		Cu.	ENE	Cu.	ENE	N.-cf.	ENE	Cu.	E	Cu.	E

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Ci.											
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
										A.-Cu.	
Ci.-S.		Ci.-S.						Ci.			
Ci.-S.		Ci.-S.						A.-Cu.		A.-Cu.	
		Ci.		Ci.-S.						A.-Cu.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.					
Ci.		Ci.						Ci.-S.			
		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.				Ci.-S.		Ci.-S.					
Ci.-S.				Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.			
						Ci.-S.					
Ci.-S.		Ci.-S.		Ci.-S.		A.-Cu.				Ci.-S.	
Ci.		Ci		Ci.		Ci.		Ci.		Ci.-S.	
Ci.-S.	NE	Ci.-S.	NE	Ci.-S.	NE	Ci.	NE	Ci.		Ci.	
Ci.		Ci.	NNE	A.-Cu.		Ci.-S.		Ci.		Ci.	
Ci.	ENE	Ci.	ENE	Ci.		Ci.		Ci.		Ci.	
Ci.		Ci.				Ci.-S.				Ci.-S.	
				Ci.-Cu.				Ci.-Cu.		Ci.-Cu.	
Ci.		Ci.		Ci.		Ci.-S.		Ci.-S.			
Ci.-S.	ENE	Ci.-S.		Ci.-S.	ENE	Ci.-S.	ENE	Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.		Ci.-S.	NNE	A.-Cu.		Ci.-S.		Ci.-S.	
Ci.	ESE	Ci.	ESE	Ci.		Ci.				Ci.	
Ci.	NE	Ci.	NE	Ci.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.		Ci.		Ci.		A.-Cu.	EbyS	Ci.		Ci.	
						Ci.-S.				Ci.-S.	
Ci.		Ci.				Ci.		Ci.		Ci.	
Ci.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.		Ci.-S.				Ci.-S.		Ci.-S.		Ci.-S.	

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Cu.-N.	NE	Cu.-N.	NNE	Cu.-N.	NE	Cu.-N.		S.-Cu.		S.-Cu.	
Cu.	E	Cu.-N.	E	Cu.-N.	E	Cu.	E	Cu.		S.-Cu.	
Cu.		Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.		Cu.-N.	
Cu.		Cu.-N.		N.-cf.		N.-cf.		Cu.		Cu.-N.	
Cu.-N.		Cu.-N.		N.		N.		Cu.-N.	NE	Cu.-N.	
Cu.		Cu.		Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.	
Cu.		Cu.	ENE	Cu.-N.	ENE	Cu.		Cu.-N.		Cu.-N.	
Cu.		Cu.	ESE	Cu.	ESE	Cu.-N.	E	Cu.-N.	ESE	Cu.-N.	WNW
Cu.	ESE	Cu.	ESE	Cu.	SE	Cu.		Cu.	SE	Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.	E	Cu.	E
Cu.-N.	E	Cu.-N.	E	Cu.-N.	ENE	Cu.		Cu.		Cu.	E
Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.-N.	E	Cu.-N.	
Cu.-N.	SSW	Cu.-N.	SSW	Cu.-N.	SSW	Cu.-N.	SW	Cu.-N.	WSW	Cu.-N.	WSW
Cu.	WSW	Cu.	W	Cu.	W	Cu.	W	Cu.	WSW	Cu.	
Cu.	ENE	Cu.	NE	Cu.	NE	Cu.	NE	Cu.	NE	Cu.	
Cu.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.	
Cu.		Cu.	W	Cu.	W	Cu.	W	Cu.	WbyS	Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.-N.		Cu.-N.	
Cu.	WNW	Cu.	WNW	Cu.-N.		Cu.-N.	W	Cu.	WNW	Cu.-N.	
N.-cf.	W	Cu.-N.	W	Cu.-N.	W	Cu.	W	Cu.-N.	W	Cu.-N.	W
Cu.		Cu.	WSW	Cu.	W	Cu.-N.	W	Cu.-N.		Cu.-N.	
Cu.		Cu.		Cu.		Cu.		Cu.		N.-cf.	
Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.	SSW	Cu.-N.	
Cu.		Cu.		Cu.	SSE	Cu.-N.	SSE	Cu.-N.	SSE	Cu.-N.	
Cu.		Cu.	WSW	Cu.		Cu.	WSW	Cu.		Cu.	WSW
Cu.		Cu.	SE	Cu.-N.	SE	Cu.	SE	Cu.-N.	SSE	Cu.	SSE
Cu.		Cu.-N.	E	N.	E	Cu.-N.		Cu.-N.		Cu.	
Cu.-N.	SSE	Cu.	SEbyS	Cu.-N.	SEbyS	Cu.-N.	SEbyS	Cu.-N.	SEbyS	Cu.-N.	
Cu.		Cu.		Cu.	S	Cu.	S	Cu.		Cu.	
Cu.		Cu.-N.	E	Cu.-N.	E	Cu.-N.	ENE	Cu.-N.	E	Cu.-N.	

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	Calm		Calm		Calm		Calm		Calm		Calm	
2	Calm		Calm		NbyE	1	NbyW	3.5	NbyE	2	NNE	0.5
3	Calm		Calm		Calm		Calm		Calm		Calm	
4	NNE	2	NEbyN	6	Calm		Calm		NNE	1	NNE	1
5	ENE	.5	ENE	1	NE	2.5	NE	1.5	NE	1	NE	1
6	ESE	.5	ESE	.5	ESE	.5	ESE	.5	Calm		Calm	
7	E	1.5	ENE	1	Calm		NE	3	NNE	1.5	NE	.5
8	ENE	2	SSW	.5	SE	1	Calm		Calm		Calm	
9	Calm		Calm		Calm		Calm		Calm		Calm	
10	Calm		Calm		Calm		Calm		Calm		Calm	
11	SSE	1	Calm		Calm		Calm		Calm		Calm	
12	Calm		E	1	Calm		Calm		Calm		SSE	1
13	Calm		E	.5	E	2	E	.5	Calm		Calm	
14	Calm		Calm		SE	1	Calm		Calm		Calm	
15	NNE	1	NNE	.5	NNE	.5	Calm		Calm		Calm	
16	Calm		Calm		NE	1	NE	1	Calm		Calm	
17	Calm		Calm		Calm		Calm		Calm		SE	1
18	SWbyW	9	SWbyW	7	SWbyW	3	Calm		Calm		Calm	
19	SSW	1.5	SSW	1.5	WNW	6	NNW	2.5	NNW	.5	WNW	.5
20	SW	1.5	S	1.5	SSE	2	SSE	1.5	S	.5	Calm	
21	SSW	1.5	SW	5	WSW	4	NNE	1.5	NNE	.5	NNE	.5
22	Calm		Calm		Calm		SE	1.5	Calm		E	1
23	EbyS	1	ENE	2	EbyN	1	EbyS	1	SEbyE	1.5	E	.5
24	NE	1	NE	.5	E	.5	E	1	SE	.5	SE	1.5
25	Calm		Calm		Calm		Calm		Calm		Calm	
26	Calm		Calm		Calm		NE	.5	Calm		Calm	
27	NE	1	NE	1	ESE	1	SE	1	SE	2.5	Calm	
28	S	.5	SSW	1.5	SSW	.5	Calm		Calm		Calm	
29	E	1	Calm		Calm		SSE	.5	SE	1	SE	1.5
30	NE	.5	E	.5	Calm		Calm		Calm		Calm	
Mean		0.9		1		0.9		0.7		0.4		0.4

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	WbyS	5	N	6	ENE	2	SE	1.5	Calm		Calm	
2	W	2.5	W	3	W	2	NW	2	Calm		Calm	
3	WNW	6	WNW	4	WNW	3	WNW	3	Calm		SSE	2.5
4	SE	2.5	SE	1.5	Calm		NE	2	Calm		SE	6.5
5	SW	3	SW	5	SbyE	.5	E	1	Calm		Calm	
6	W	5	W	5.5	WSW	4.5	WSW	6.5	SSW	3	S	2
7	WSW	3	WSW	2	WbyS	4	WSW	4.5	SW	4	WSW	5
8	SW	4.5	SW	5	SW	6	WSW	7.5	WSW	4.5	WNW	1
9	WSW	8.5	WSW	7.5	WSW	6.5	SW	4	SW	6	SW	4.5
10	SSW	2.5	SW	3	WSW	4.5	SW	4.5	SW	3.5	SW	6
11	WSW	1.5	SE	1.5	SE	2.5	SSE	4	SE	1	SE	3.5
12	WSW	2	WSW	3	WSW	3	SSE	3.5	SSW	1.5	SSW	6.5
13	SSE	4	SSE	1	Calm		SE	1.5	SE	1	Calm	
14	WNW	5.5	WNW	2	W	2.5	WSW	7	WSW	6	SWbyW	8
15	Calm		WSW	4	W	2.5	WSW	7	WSW	6	WSW	2
16	WbyS	7	WbyS	9	WSW	8	WSW	8	SWbyW	10.5	WSW	10
17	WSW	6.5	WSW	3	WSW	8	WSW	9	WSW	6.5	SW	6.5
18	WSW	6.5	WSW	7	WSW	10.5	WSW	11.5	WSW	9.5	SWbyW	7
19	WSW	7.5	WSW	10	WSW	7.5	WbyN	4	W	5	WSW	6
20	WbyS	11	WbyS	7.5	WbyS	11.5	WbyS	10	WSW	5	WSW	14
21	SWbyW	8	WSW	7	SW	9	WSW	10.5	WSW	5.5	W	5.5
22	W	3	WSW	3.5	WSW	4.5	WSW	4.5	WSW	6	WSW	8
23	WbyS	2.5	WbyS	5	WbyS	3.5	SW	2.5	SbyE	2.5	SSW	3.5
24	W	3	WbyS	5.5	WSW	8	WSW	9	WSW	7.5	WSW	4
25	WSW	6	WSW	4.5	WSW	6.5	WSW	6.5	WSW	5	WSW	6
26	WNW	2.5	W	3	WSW	4	SWbyW	4.5	SW	5.5	SWbyW	5
27	WbyS	5	WSW	6	SWbyS	6	WSW	4.5	SWbyW	6	SW	3
28	WbyS	9	WSW	8	SWbyW	8	WSW	4	SWbyW	6	WSW	6.5
29	WbyS	5	S	3	SSW	4	SWbyW	4	SWbyW	4	SSE	5.5
30	WSW	4	WSW	5	SSW	4	SSW	2.5	SW	2	SSW	1.5
Mean		4.7		4.7		4.9		5.2		4.1		4.6

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
Calm		ESE	1	WSW	2.5	W	4	W	3	W	3.5
Calm		Calm		W	.5	WNW	3	WNW	2.5	W	2.5
Calm		S	1	WSW	3.5	W	3.5	W	3.5	WNW	3.5
NNE	2.5	Calm		WSW	2	WSW	2.5	S	1.5	SE	3.5
NE	.5	Calm		SW	2	ESE	2	SEbyS	1.5	SE	3
NE	.5	SE	.5	S	2	SW	3	WSW	3.5	WSW	4
Calm		SSE	2.5	SWbyS	4	SW	2	W	2.5	W	3.5
Calm		SE	.5	SSW	1.5	SSW	1	SW	2	SW	3
Calm		Calm		SW	1	W	1.5	WSW	2.5	WSW	2.5
Calm		Calm		S	2	SW	1.5	W	3	W	5.5
SE	.5	S	1.5	SSW	1.5	SW	3	WSW	4	WSW	2.5
SE	1.5	SE	1	SSW	2	W	1.5	WSW	2	WSW	4
Calm		Calm		WSW	2	W	1	SWbyW	2	SW	1.5
Calm		SE	.5	SSE	1	S	3.5	SW	2	W	3
Calm		NE	1	SW	1	S	2.5	SE	2	S	2
Calm		S	1	SW	1	WSW	2.5	WSW	4.5	WbyS	3.5
SE	1	SW	1.5	W	1.5	SW	4.5	WSW	3.5	WSW	7.5
Calm		SSW	2.5	WSW	3	WSW	4	WSW	5.5	WSW	7
Calm		NE	1	SSW	1.5	WSW	3.5	WSW	8	WbyS	11.5
Calm		Calm		SSW	4	SWbyW	5.5	SW	6	WSW	6
NE	1	ENE	1	SSW	1.5	WSW	7.5	WSW	9	WSW	8
E	.5	Calm		SSE	1	SW	1	W	4	NW	3
Calm		Calm		W	2.5	WNW	.5	W	2	WNW	2
SE	.5	ESE	1.5	SSW	4	WSW	2.5	W	4.5	WNW	2.5
SE	1	S	1	S	.5	SW	1	WNW	2	WSW	4.5
Calm		Calm		WSW	.5	WSW	1	WNW	3.5	WNW	4.5
Calm		SSW	1	WSW	1	WSW	1.5	WbyN	4	W	4.5
Calm		SSW	3	SSW	1	WSW	1.5	WSW	5	WNW	6
SE	.5	Calm		Calm		W	2	WbyS	4	WSW	2.5
Calm		Calm		Calm		S	2	W	3	WSW	4.5
	0.3		0.8		1.7		2.5		3.5		4.2

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		Midnight.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
Calm		NEbyN	1.5	Calm		N	2	N	2.5	Calm		1.4
Calm		NNW	1	N	1.5	N	1.5	NE	.5	NE	.5	1.2
SE	2.5	E	1	NW	2	NW	5	N	1	NE	3.5	2
SEbyE	3.5	SE	1	SEbyE	.5	ESE	1	Calm		ENE	.5	1.7
ESE	1	ESE	2	ESE	.5	Calm		Calm		Calm		1.2
SW	4	S	3	SSW	4.5	W	4.5	ENE	.5	ESE	1.5	2.5
SW	6	SE	4	SW	3	SE	1.5	E	1	Calm		2.5
SW	2	SW	1	W	.5	W	.5	Calm		Calm		1.8
WSW	5.5	WSW	3	SW	2	SW	1.5	Calm		Calm		2.4
SW	6.5	SW	6.5	SW	6	Calm		SE	.5	SE	.5	2.3
SE	3	SE	2	SE	1.5	SE	1	SSE	1	SE	.5	1.5
SE	2	S	3.5	SSW	3	WSW	3	SW	2.5	WSW	1.5	2
SSW	3	SSW	1	SW	7	WSW	4	WSW	1.5	Calm		1.4
WSW	8	W	8	WNW	7.5	NW	4	NNW	.5	N	1	3
WSW	5.5	WSW	5	WSW	4	WSW	4	NNW	1.5	Calm		2.2
W	1.5	WSW	3.5	WSW	4.5	WSW	1.5	SSE	1.5	Calm		3.3
SWbyW	7.5	SW	6	WSW	7	SSW	4	SWbyS	3	SW	3	3.8
SWbyW	4	WSW	6.5	WSW	5.5	WSW	4	WSW	4.5	SW	3	5
W	5.5	W	6.5	WSW	4	WSW	3	WNW	12.5	NW	2	4.6
WbyS	10	WSW	7	WSW	4.5	W	4	W	3	SSW	3	5
WNW	6.5	WNW	8.5	W	3.5	SW	7.5	Calm		Calm		4.7
WSW	7	WSW	2.5	W	2	NWbyW	1.5	Calm		Calm		2.3
SWbyW	4.5	WSW	4	WSW	3.5	SW	4	W	2	SWbyW	4.5	2.3
WSW	6.5	SW	3.5	SW	3.5	SW	1.5	SE	.5	SE	.5	3.1
WSW	5	SW	5.5	SW	4	SW	3	SW	1	W	4	2.8
SW	6.5	SW	5	SW	3.5	SW	3	SW	2	N	1	2.3
SWbyW	5	SW	5	SWbyW	3	SSW	2	Calm		SSW	1	2.7
WSW	6	SW	3	Calm		Calm		SSE	.5	SSE	1	3
ESE	2	E	1	ESE	.5	ESE	.5	Calm		E	.5	1.8
ESE	1	SE	1	Calm		SE	.5	ESE	.5	Calm		1.4
	4.4		3.7		3.1		2.4		1.5		1.1	2.6

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	0.5	0.5	0.5	0.5	0	1	1	2	6	7.5	11	12
2	4.5	.5	2	10.5	8.5	5.5	3	1	4	9.5	**12.5**	11.5
3	2	1.5	2	2	1.5	1.5	3	2.5	5.5	9.5	13	16
4	8	5	1	1.5	3.5	5	7	5	3	7	7	9.5
5	2	2	8	5.5	4	3	2.5	1	4.5	4	6.5	5.5
6	1.5	3.5	3	3	1.5	2.5	2.5	3.5	5.5	9	15	14
7	4	2.5	2	4.5	7	3.5	1	3	5.5	10	17.5	13.5
8	2	6	2.5	2.5	1	.5	.5	.5	3	3.5	6	9
9	.5	0	2	2	1	1.5	0	.5	3	8	11	13
10	1.5	0	0	2	1.5	1.5	.5	2	4.5	3	12	16
11	4	3	.5	1	1	.5	1.5	2	1	4	10	10
12	2.5	3.5	4	1.5	1.5	1.5	1	3.5	4.5	6	14.5	14
13	6.5	4	4.5	7	3	0	1.5	2.5	12.5	8.5	4	5
14	2	6.5	2	5	1	2	1.5	2	3	6	10	9
15	3.5	3.5	2	3	.5	1	.5	3.5	3	8	9.5	8
16	0	1	2.5	4.5	3.5	1.5	2	3	5.5	6.5	16.5	16.5
17	1.5	2	1.5	2	1.5	2.5	4	3	5	12	22	19
18	15	21	16.5	2.5	.5	1	.5	5	11	14	27	23
19	9	4	11	11	6.5	3.5	4	4.5	6.5	8	21.5	27.5
20	5	6.5	7	6	3	5	3.5	3	11.5	20	30	27
21	8	9	20	11	4.5	2.5	4	3	4	14	28	28
22	2.5	2	1	5	2.5	3.5	5.5	3.5	4	4	14	12
23	3.5	7	3.5	3.5	4	3	1.5	1	4	9	12	12
24	11	6.5	3.5	4.5	3.5	5	4.5	4.5	7.5	11.5	17	16
25	1.5	.5	.5	0	0	0	0	0	2	2	5.5	11
26	7	0	.5	1	1.5	1	1	1	3	5	11.5	11.5
27	2	3	2.5	3	2	2	.5	1	5	8	11	14
28	2	2.5	2	.5	0	1	1	6	7	10	12	17
29	2	2	3	4	5	5	3	2	3	7	12.5	10.5
30	5.5	2.5	3	2	1.5	2	1.5	2.5	3	4.5	9.5	12.5
Mean	4	3.7	3.8	3.7	2.5	2.3	**2.1**	2.6	5	8	13.6	14.1

AMOUNT OF CLOUDS (0–10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	7	3	4	5	4	6	5	10	10	10	9	10	6.9	5 20
2	8	6	7	6	6	6	7	6	6	4	2	1	5.4	4 15
3	5	4	4	7	5	6	2	4	5	8	6	7	5.2	8 00
4	9	8	9	8	7	7	8	8	9	8	8	8	8.1	5 50
5	6	9	9	8	8	8	6	8	10	9	7	9	8.1	2 30
6	4	5	6	4	3	4	4	3	5	8	8	7	5.1	7 45
7	4	3	3	6	5	8	3	6	6	8	5	8	5.4	7 30
8	4	6	4	4	3	3	4	4	4	6	7	9	4.8	8 00
9	6	8	7	7	7	8	8	8	9	7	8	7	7.5	7 55
10	4	8	8	8	6	6	2	2	2	3	4	3	4.7	7 40
11	5	6	6	8	5	8	8	10	9	8	7	8	7.3	4 40
12	5	5	5	5	5	4	3	3	4	7	7	10	5.2	**9 30**
13	10	10	10	10	10	10	9	10	10	10	10	10	**9.9**	**2 05**
14	8	9	6	6	8	9	6	7	6	7	6	10	7.3	8 10
15	10	9	9	9	8	8	6	7	7	7	6	10	8	4 15
16	7	8	8	10	9	9	7	7	7	7	5	6	7.5	6 35
17	10	9	9	9	8	9	5	8	6	7	6	8	7.8	6 40
18	7	8	8	5	4	5	9	7	5	5	4	6	6.1	9 05
19	10	7	7	6	6	7	6	6	8	10	10	9	7.7	6 40
20	9	10	8	7	7	7	9	8	8	6	6	10	7.9	4 00
21	9	7	7	7	7	7	9	9	8	10	10	10	8.3	7 30
22	10	9	6	6	5	5	8	8	8	8	10	9	7.7	5 10
23	6	7	5	5	5	5	5	6	6	8	9	8	6.2	7 35
24	5	6	7	7	8	7	7	8	8	8	10	9	7.5	8 25
25	7	5	4	5	4	6	6	5	5	6	5	6	5.3	9 25
26	3	4	2	2	3	3	8	8	7	8	7	7	5.2	9 05
27	4	4	4	4	3	4	3	5	5	4	1	1	**3.5**	8 25
28	2	3	2	4	3	4	4	8	9	6	6	7	4.8	7 20
29	6	3	5	6	5	5	8	9	9	9	9	9	6.9	6 35
30	8	7	8	8	8	9	7	9	10	10	8	10	8.5	5 10
Total														201 05
Mean	6.6	6.5	6.2	6.4	**5.8**	6.4	6.1	6.9	7	7.4	6.9	**7.7**	6.7	6 42

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon-1 p.	1-2 p.	2-3 p.	3-4 p.	4-5 p.	5-6 p.	6-7 p.	7-8 p.	8-9 p.	9-10 p.	10-11 p.	11-Mdt.	Mean.
15	**15.5**	13.5	10.5	6	2.5	2	7.5	3.5	5.5	10	4.5	5.8
11	11	10	9	7	1.5	0	2	3	5	5	3	5.9
18	15	15	8	7	8	13	10	4	**19**	14	13	8.5
11.5	9	6.5	10.5	5.5	14.5	**16**	6.5	2.5	3	4	2.5	6.4
9	**25**	9.5	3.5	3	3.5	5.5	5	6	2.5	1	2	**5.2**
15	15	**22**	19	19	15	10	11	10	10	7	5	9.3
14	12	14	17	20	23	**24**	18.5	15	7.5	3	3	10.2
12.5	19.5	21	20	**24**	16	9	6.5	3.5	2	2.5	1	7.3
18.5	**24.5**	18	18	23	19	20	13	9	6	3	2	9
16.5	8.5	16	15	17	22	**24**	21	16	5.5	1.5	2.5	8.8
8.5	9.5	8	**14**	12	12	10	10	6	5	3.5	3	5.8
10	12	15	11	16	17.5	16	9.5	10	**19**	11	7.5	8.9
13	6.5	4.5	5.5	7.5	2	8	11.5	3.5	**14**	11	2	6.2
12.5	12	13	15.5	28	29	**31**	28	29	29	11	2.5	12.1
8	11	15	17.5	**23.5**	22.5	17.5	16.5	13.5	13	6	0	8.8
23	19	30	29	**34**	30	24	5.5	12.5	13	5.5	3.5	12.2
21	21	30	**31**	30	27	21	22	18	11.5	11.5	11	13.8
30	31	**36**	33	35	29	26	20	24	20	20	17	**19.1**
30.5	**37**	27	26	21	24.5	22	28	22	15	13.5	21	16.9
28	24	37	**38**	28	35	31	23.5	22.5	17	13	6	17.9
29	27	**33**	31	32	23	22	22	25	13	6.5	3	16.8
15.5	10	14.5	21.5	23.5	**29**	24.5	14.5	8.5	4.5	3	2	9.6
15	16	18	17	11	8	20	**24**	14.5	10	6.5	11	9.8
16	21	**29**	**29**	24	26	22	21	12	5.5	1.5	1.5	12.6
13.5	15	17	22	**25**	24.5	19.5	23	21	15	12.5	3.5	9.8
14	16	21	**26**	25	23	24.5	21.5	17	14	10	4	10.8
15	21	19	22	**24**	20	14	16	13	7.5	.5	2	9.5
22	20.5	**27.5**	17	24	23	21.5	16.5	6.5	3	6.5	2	10.5
15.5	20	12	19	19	**25**	11.5	6	3.5	2.5	3	1.5	8.2
15	**19**	15.5	11.5	9.5	8	5	4	5	2	2	2	6.2
16.5	17.4	18.9	18.9	**19.4**	18.8	17.2	14.8	12	10	7	4.8	10.1

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1	3		1	1		1	1					1	4				12	138.5	4	
2	3	3	2										5	2	1	1	7	140.5	4.4	
3	1		1		1		1	1	1			1	2	5	2		8	204	6	1.5
4		4	2	1		1	6	1	1			2					6	154.5	5.4	
5			5	2	1	4	1	1	1		3						6	124	4.3	
6			1	1		5	1		3	2	2	4	3				2	222.5	6.2	
7		1	2	1	2		2	1			5	4	3				3	245	4.9	20.8
8				1			2			3	7	2	2	1			6	174.5	4.6	.5
9											6	7	1				10	216.5	4.2	
10							2		1	1	8	1	2				9	210	5.8	
11							10	3	1	1	1	3					5	140	5.1	
12					1		3	2	1	4	1	7	1				4	212.5	4.3	40.2
13					3		2	2		2	2	4	1				8	148	1.7	3.2
14	1						2	1	1		1	4	3	3	1	1	6	290.5	5.5	12.2
15		3	1				1		2		1	8	1			1	6	210	4.5	
16			2					1	1		1	9	4				6	292	4.7	
17							2			1	6	9	1				5	331	5	
18										1	1	18					4	458	5.1	
19			1							3		8	4	4	1	2	1	404.5	3.8	11.2
20								2	2	2	2	6	7				3	430.5	4.2	1.4
21		3	1	1						2	3	8	2	2			2	402.5	5.4	
22					2		1	1			1	7	3		2		7	230.5	4.2	.5
23				1	2	2	1		1	1	2	4	6	2			2	235	3.9	4
24			2		2	1	5			1	3	6	3	1				303.5	5	
25							1		2		5	8	1	1			6	234.5	5.6	
26	1		1								6	5	1	3			7	260	5.5	
27			2			1	2			3	3	7	2	1			3	228	5	
28								2	1	4	1	8	1	1			6	251	4.9	
29					3	3	3	2	1	1		3	3				5	197.5	4	.9
30			1		1	2	2		1	3	1	3	1				9	148.5	3.2	5.1
Total	9	14	25	9	18	20	51	20	21	35	72	157	67	26	7	5	164	7,238	140.4	101.5
Mean	0.3	0.5	0.8	0.3	0.6	0.7	1.7	0.7	0.7	1.2	2.4	5.2	2.2	0.9	**0.2**	**0.2**	5.5	241.3	4.7	3.4

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°C.		*P. ct.*	*mm.*	*mm.*		°C.		*P. ct.*	*mm.*
1	760.40	10.20p.	34.9	0.55p.	87	22.8	757.35	2.55p.	25.2	5.35a.	57	19.8
2	**60.70**	9.15a.	35.2	3.05p.	91	22.5	**57.60**	3.25p.	**23.7**	5.25a.	56	19.8
3	60.35	9.05a.	36.3	3.05p.	**85**	**22.2**	57.10	3.25p.	24.1	5.45a.	49	19.2
4	59.40	0.05a.	**37.6**	1.45p.	89	23	56.15	3.40p.	24.4	4.40a.	**46**	18.3
5	59.50	10.20p.	36.4	0.30p.	90	23.4	56.50	1.55p.	24.7	5.30a.	51	**17.3**
6	59.55	10.40p.	36.3	2.45p.	90	24.1	55.60	4.10p.	24.2	5.25a.	56	20.1
7	59.45	8.15a.	36.4	2.55p.	**97**	23.7	55.15	3.25p.	24	7.50p.	56	20.1
8	59.20	10.15p.	34.7	3.10p.	92	24.2	56.30	3.45p.	24.2	4.20a.	64	20.5
9	59.80	10.30p.	34.2	0.50p.	94	24.2	56.55	4.10p.	25	5.50a.	63	21.5
10	59.75	10.00p.	35.3	3.05p.	89	24.4	56.20	3.55p.	24.8	5.30a.	59	21.1
11	59.80	11.15p.	34.8	1.05p.	91	24.1	56.70	3.25p.	25.9	5.35a.	56	20.9
12	59.85	8.40a.	36.4	4.15p.	**97**	23.9	55.60	3.35p.	23.8	6.40p.	48.5	20.1
13	60.33	9.00a.	**31.8**	11.45a.	94	23.6	56.96	3.00p.	24.4	3.40a.	**71**	20.7
14	60.15	9.35p.	34.5	3.55p.	96	23.9	56.70	3.40p.	24.6	1.15a.	56	20.1
15	59.35	0.05a.	34	3.45p.	92	23.6	56.50	3.30p.	24.5	5.40a.	63	20.9
16	**57.75**	10.15a.	34.4	1.20p.	93	24.5	55.80	3.55p.	24.9	5.35a.	66	21.9
17	57.85	10.50p.	33.8	1.30p.	94	**25**	**55.10**	3.40p.	24.9	5.05a.	67	**22.3**
18	58.30	10.25p.	33.4	1.10p.	90	24.4	55.90	3.55p.	**26**	5.20a.	66	22.1
19	58.20	10.20p.	32.6	3.20p.	**97**	24.9	55.80	4.30p.	25.1	5.40a.	69	20.7
20	58.30	10.05p.	32.9	0.05p.	96	24.8	55.60	4.25p.	25	2.00a.	66.5	21.4
21	59.25	9.55p.	33.2	2.25p.	95	23.9	55.85	3.00p.	25.2	5.00a.	67	19.6
22	58.95	11.30a.	33.4	1.05p.	89	23.3	56.15	3.45p.	24.6	5.30a.	58	20.1
23	58.85	9.30a.	34.4	2.45p.	93	24.6	56.25	3.40p.	24.7	5.25a.	62	21.8
24	59.35	11.15p.	33.8	1.45p.	93	24.7	56.05	3.55p.	24.6	4.45a.	59	21.3
25	59.10	10.50p.	34.4	2.55p.	93	24.3	55.80	4.25p.	24.9	4.40a.	61	21.8
26	59.50	10.05p.	34.6	3.10p.	93	23.8	56.40	3.50p.	25.2	5.10a.	58	21
27	59	0.05a.	34.4	2.20p.	88	23.6	56	4.30p.	25	5.35a.	63	20.8
28	58.40	10.05p.	33.9	1.55p.	91	23.4	55.50	4.00p.	25	5.35a.	61	21.3
29	59.50	10.45p.	34.6	1.35p.	92	22.9	56.15	3.20p.	24.8	8.00p.	58	18.2
30	59.55	11.30p.	34.1	1.50p.	94	24.3	56.55	2.35p.	24.5	5.20a.	57.5	21.2
Mean	759.31	-------	34.6	-------	92.2	23.9	756.20	-------	24.7	-------	59.7	20.5

DAILY GENERAL REMARKS.

1____[◹ NE quadrant in the afternoon.
2____○, T NNE in the afternoon.
3____[◹ NE in the afternoon; ● at night.
4____[◹° N, ◠°, [◹² SE quadrants in the afternoon.
5____[◹ S and NE quadrants in the afternoon.
6____[◹ NE quadrant and S in the afternoon.
7____[◹ SE quadrant in the afternoon; ● at night.
8____d in the early morning; [◹° S in the forenoon.
9____○ at noon; somewhat gusty SWly winds in the afternoon.
10____[◹ S at noon.
11____[◹ NE quadrant in the afternoon.
12____Slight convergence of Ci. toward N; [◹ NE quadrant in the afternoon; heavy thundershowers at night.
13____d in the early morning and afternoon; slight thundershowers in the evening.
14____● in the early morning.
15____Convergence of Ci. toward NE at sunset.
16____Gusty WSW winds during the afternoon.
17____As yesterday.
18____Gusty WSW winds in the forenoon and afternoon; ◹ various points in the evening.
19____● early in the morning and at night; gusty Wly winds in the forenoon, afternoon and night; T° E 2.15p.
20____●° early in the morning and afternoon; gusty Wly winds in the forenoon, afternoon and evening.
21____d° 6.50a.; gusty WSW winds in the forenoon and afternoon; convergence of Ci. toward N in the afternoon.
22____Somewhat gusty WSW winds in the evening; d^2 at night.
23____● in the early morning and at night; ○° in the morning; [◹ SE quadrant in the afternoon.
24____Slight convergence of Ci. toward NNE in the forenoon and afternoon; gusty WSW winds in the afternoon; coloration of clouds at sunset.
25____Somewhat gusty WSW winds in the afternoon.
26____◹ NE in the evening.
27____p°, T NE, E and S in the afternoon.
28____d°, gusty WSW winds in the afternoon.
29____Convergence of Ci. toward SSW in the morning; ◠°, [◹ SE quadrant in the afternoon; ●° at night.
30____○ in the forenoon; slight thundershowers in the evening.

OBSERVATIONS FOR JULY, 1912.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	58.60	58	57.95	57.65	57.85	57.94	57.99	58.11	58.24	58.36	58.27	57.84
2	58.75	58.40	57.90	57.85	57.45	57.70	57.64	58.02	57.78	57.65	57.25	56.94
3	58.25	57.80	57.60	57.30	57.35	57.74	58.12	58.52	58.38	58.23	58.16	57.56
4	59.25	58.85	58.50	58.75	58.90	58.98	59.45	59.38	59.60	59.51	59.30	58.89
5	**59.45**	**59.45**	58.95	58.75	58.90	58.99	59.25	59.27	59.37	59.03	58.79	58.51
6	**59**	58.50	58.25	58.30	58.40	58.85	58.94	58.78	58.84	58.54	58.07	57.67
7	58.50	58.20	57.75	57.65	57.55	57.94	58.18	58.33	58.29	58.03	57.74	57.16
8	57.95	57.70	57.35	56.90	57.35	57.34	57.90	**58.39**	58.03	57.53	57.54	57.36
9	56.85	56.75	56.55	56.45	56.60	56.94	57.45	57.81	58.02	57.72	57.67	57.23
10	57.45	57	57.05	57.50	57.35	57.70	57.89	58.31	58.25	57.80	58.02	57.73
11	58	58	58.05	57.95	58.20	58.34	58.75	58.72	58.84	58.49	58.52	58.10
12	58.75	58.25	57.90	57.70	57.75	57.97	58.02	58.25	58.34	58.39	58.32	57.97
13	58.20	57.80	57.65	57.35	57.20	57.77	58.10	58.25	**58.63**	58.54	58.41	58.27
14	58	57.50	57.35	57	57	57.79	58.42	58.33	58.43	58.41	58.28	57.93
15	58.60	58.35	58.15	57.65	57.65	58.49	59	58.84	59.07	58.81	58.41	57.92
16	58.25	58	58	58	58.05	58.45	58.45	58.78	**59.11**	58.61	58.21	58.01
17	57.60	57.75	57.45	57.50	57.45	57.85	58	58.18	58.33	**58.49**	58.13	57.85
18	**57.50**	57.35	57	57	56.85	56.95	57.14	57.26	57.17	57.30	57	56.71
19	55.05	55	54.85	54.60	54.35	54.63	55.03	55.16	55.32	55.68	55.55	54.99
20	54.65	54.55	54.25	54	54.05	54.21	54.81	55.06	55.23	55	54.84	54.42
21	54.70	54.35	54.30	54.40	54.45	55.06	55.64	55.68	55.65	55.71	55.45	54.96
22	56.05	55.80	55.80	55.90	55.75	55.75	55.95	56.46	**56.79**	56.46	56.49	56.19
23	56.20	55.90	55.70	55.55	55.25	55.51	56.06	56.46	56.41	56.45	56.22	56.05
24	56.85	56.60	56.45	56.15	56.10	56.41	56.57	56.58	56.95	57.12	57.32	56.99
25	57.75	57.20	57	57.20	57.30	57.40	57.90	58.14	58.45	58.22	57.92	57.77
26	58.55	57.95	57.80	57.40	57.50	57.90	58.04	58.33	58.63	58.73	**58.92**	58.54
27	**57.45**	56.90	56.60	56.85	56.85	57.10	57.23	56.30	57	57.34	57.19	56.67
28	56.45	56.50	55.80	55.30	55.25	55.30	55.71	56.25	56.51	56.38	56.30	55.95
29	56.30	55.85	55.90	55.80	**55.60**	55.75	56.05	56.70	56.93	56.96	56.73	56.42
30	57.20	56.80	56.80	56.75	56.80	57	57.68	57.82	58.29	**58.56**	57.94	57.87
31	56.55	56.25	55.65	55.55	55.55	55.61	55.83	56.57	57.14	**58.32**	57.57	56.62
Mean	57.51	57.20	56.98	56.86	56.86	57.14	57.46	57.65	57.81	57.75	57.57	57.20

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	25.7	25.5	25.4	25.3	25.3	25.4	27.5	29	30.8	31.2	31.8	**33.4**
2	25.1	25.1	25.2	24.9	**24.6**	24.7	27.6	29.6	30.9	31.7	32.5	32.7
3	25.8	25.5	25.2	25	24.9	25	26.7	29.3	29	30	32	**32.6**
4	25.7	25.3	**24.8**	**24.8**	24.9	25	26.3	27.4	27.7	28.5	30	29.6
5	25	25	24.8	24.6	**24.5**	24.6	27.2	28.9	30.1	30.7	31.5	31.2
6	24.8	24.6	24.5	24.2	**24**	**24**	26.5	29.2	30	30.9	31.7	32.5
7	25.1	24.9	24.5	24.3	24.2	24.4	26.5	28.5	30.6	30.1	30.4	31.5
8	**24**	24.2	24.5	24.3	24.1	**24**	24.5	25.9	27.5	28.1	28.5	**30.8**
9	25.2	25.2	25.1	24.7	24.6	**24.3**	24.8	25.9	26.4	27.7	29	30.1
10	24.4	24.4	24.3	24.4	**24.2**	**24.2**	24.9	26.1	26.9	28.3	30	31.5
11	25.3	25.2	25.3	25.6	**25.1**	25.3	27	29.5	29.9	30.5	31.5	32.5
12	25	24.6	24.5	24.2	24.1	**23.9**	26.7	28.9	29	28.6	29.5	29.5
13	25.8	25.2	24.6	24.2	**23.8**	23.9	25	27.3	28.7	29.6	29.5	29.6
14	25.3	25.1	25.2	24.9	**24.6**	**24.6**	26.6	29	30.4	30.4	**31.5**	30.3
15	25.6	25.9	25.3	24.5	24.2	**24.1**	26	28.2	29.8	30.5	30.9	32.1
16	24.5	24.7	25.1	24.9	24.6	24.6	26.4	28.4	29.8	31	31	**31.6**
17	24	23.8	23.7	**23.3**	**23.3**	23.7	24.4	25.5	27	27.8	28	28.7
18	24.6	24.5	24.4	24	**23.9**	24	24.6	25.4	26.1	26.1	26.6	27.2
19	25.1	25	25	24.9	24.6	**24.5**	25.2	26	26.1	26.5	26.3	27.4
20	24.4	24.3	24.5	24.3	**24.2**	24.3	27	27.4	28.2	29.6	28.9	**30.9**
21	25.1	25.1	24.8	24.9	24.8	24.8	25.4	25.4	26.4	26	26.7	27
22	25.1	24.6	**24.4**	24.6	24.9	**24.4**	25.5	25.7	26	26.6	27	**28.1**
23	**24.6**	24.8	25.1	24.8	24.8	24.8	25.5	27.2	27.9	28.6	**30.1**	28.3
24	24.4	24.5	**24.3**	24.4	24.4	24.6	26.3	28.1	29.4	**30.5**	28.5	28.7
25	24.3	24.4	24.3	24.5	**24**	**24**	25.1	25.5	26.7	28.4	30	30
26	23.5	23.4	23.2	**23.1**	**23.1**	23.3	25	27.7	29.3	29.5	28.5	30.4
27	24.9	**24.3**	24.4	24.4	24.4	24.4	24.9	27.2	29.1	28.6	30	**30.5**
28	24.5	24.6	24.3	24.2	**24.1**	**24.1**	24.4	24.6	25.5	27.2	27.8	27.1
29	24.7	24.4	24.5	24.3	24	24.1	24.8	24.9	26.9	27.9	28.3	**29.2**
30	24.9	25.1	24.5	24.8	24.1	24.3	24.1	24.5	24.3	24	24.8	24.9
31	23.4	23.4	**23.3**	23.4	23.7	24.2	25.5	**25.8**	25	23.5	24.3	23.9
Mean	24.8	24.7	24.6	24.5	**24.3**	24.4	25.7	27.2	28.1	28.7	29.3	**29.8**

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
57.09	56.43	56.20	**56.10**	55.83	56.31	57.61	58.60	59.25	59.25	**59.30**	59.15	57.83
56.43	55.89	55.99	**55.69**	56.09	57.23	57.57	58.30	58.35	58.70	**58.85**	58.75	57.55
57.45	57.04	56.72	**56.70**	56.91	57.36	57.86	59	59.10	59.30	59.35	**59.55**	57.97
58.42	58.22	57.91	**57.73**	58.01	58.99	59.05	59.40	59.55	**59.95**	59.75	59.65	**59**
58.02	57.93	57.63	**57.57**	57.95	57.95	58.32	58.95	59.20	59.40	59.35	59.15	58.76
57.05	56.64	56.10	**55.92**	56.30	56.81	57.61	58.10	58.45	58.75	58.95	58.85	57.99
56.18	55.73	**55.60**	55.79	56.25	56.40	56.40	57.10	57.70	58.30	**58.60**	58.20	57.40
57.04	56.41	56.06	**55.98**	56.09	56.59	56.99	57.30	57.60	58	57.75	57.40	57.27
56.68	56.73	56.52	**56.34**	56.55	56.78	57.08	57.70	57.80	57.80	**58.15**	57.90	57.17
56.93	**56.54**	56.83	56.95	57.40	57.83	58.23	58.75	59.20	**59.30**	59.10	58.70	57.83
57.71	56.94	**56.86**	57.17	57.10	57.67	58.17	58.35	58.95	59.45	**59.55**	59.05	58.20
57.43	56.84	56.40	**56.02**	56.25	56.94	57.57	58.05	58.35	58.95	**59.10**	58.70	57.84
57.69	56.85	56.07	**56**	56.20	56.59	57	57.65	57.85	57.95	58.45	58.05	57.60
57.43	57.21	56.74	**56.57**	57	57.78	57.85	58.25	58.25	57.85	58.20	**58.65**	57.76
57.16	56.60	**55.92**	56.05	56.55	57.17	57.76	58.25	58.50	**59.20**	59	58.85	58
57.86	58.04	57.62	**57.12**	57.44	57.82	58.07	58.35	58.30	58.30	57.85	57.55	58.09
58.08	57.25	56.41	**56.36**	56.50	56.73	57.43	57.55	57.70	57.70	58.25	58.10	57.61
56.24	55.50	55.28	54.94	**54.80**	55.07	55.57	55.70	55.65	55.85	56.05	55.70	56.32
54.24	53.92	**53.44**	53.47	53.70	54.17	54.74	55.10	55.35	**55.75**	**55.75**	55.35	54.80
53.87	54.04	**53.72**	**53.72**	53.88	54.31	54.69	55.05	55.20	**55.45**	55.35	54.90	**54.55**
54.14	54.39	54.64	54.72	54.87	55.46	55.56	56.20	56.20	**56.40**	**56.40**	**56.40**	55.24
55.91	55.83	55.89	**55.29**	55.50	55.61	56.24	56.65	56.70	56.70	56.70	56.65	56.13
55.49	55.17	**55.02**	55.19	55.55	56.23	56.90	57.10	57.45	**57.95**	57.90	57.45	56.22
56.78	56.55	56.61	56.76	**56.08**	56.44	56.75	57.80	58.10	58.15	**58.30**	57.85	56.93
57.77	57.29	56.77	**56.67**	56.87	57.39	57.89	58.55	59.25	**59.60**	59.55	58.95	57.87
57.72	57.03	**56.62**	56.72	**56.62**	57.15	57.44	57.90	58.35	58.90	58.70	57.95	57.89
55.88	55.51	55.30	**55.17**	55.44	55.77	56.62	56.85	56.65	57	57.10	56.65	56.56
55.34	54.96	54.63	**54.38**	54.88	55.51	55.80	56.20	56.50	**56.85**	56.70	56.45	55.83
56.74	56.45	56.28	55.94	56.05	56.50	57.72	57.80	57.90	58.40	**58.50**	58	56.72
57.90	57.32	56.87	**56.36**	56.39	56.54	56.90	57.60	57.40	57.40	57.05	56.80	57.25
56.47	55.88	55.14	55.44	54.62	54.66	**54.56**	54.70	55.45	55.60	56.50	56.35	55.94
56.75	56.36	56.06	**55.96**	56.12	56.57	57.03	57.51	57.75	58	**58.07**	57.80	57.17

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
33.1	33	31.4	32.7	32	30.5	29.7	25.9	24.9	24.9	**24.8**	25	**28.5**
33.6	33.4	32.1	31.7	30.5	**24.6**	25.5	27	26.6	26.2	25.8	25.7	28.2
30.8	27.5	30.2	29.7	30.7	29.2	25.9	**23.6**	23.7	23.7	23.8	25.6	27.3
30.2	28.2	27.8	26.8	27.4	25.3	25.1	25	25.1	25.4	25.2	25.1	26.5
32.6	28.3	29.2	30.4	28.8	28	27	26.5	25.8	25.6	25.4	25	27.5
33.4	33.7	34	**34.4**	31.3	26.2	25.7	25.8	26.8	26	25.7	25.3	28.1
32.5	30.5	30.6	30	27.1	24.7	26.3	25.7	25.6	25	**23.9**	24	27.1
26.6	28.3	29.6	29.4	29.6	28.3	27	26.6	26	25.8	25.8	25.5	26.6
29.7	29.2	**30.2**	27.2	26.4	25.7	25.5	25.4	25.2	25.1	24.8	24.7	26.3
32.1	31.2	30.1	30	29.7	28.1	27.8	27.2	26.7	26.4	26.2	25.8	27.3
32.7	31.5	30.5	30.2	29.5	28.2	27.1	26.6	26.1	26	25.8	25.2	28
31.8	**32.3**	**32.3**	32.1	31.7	31.6	29	27.3	26.4	27.4	27	26.4	28.1
29.5	29.9	30.1	30.5	**30.7**	26.4	25.6	25.3	25.3	25.4	25.4	25.5	27
30.4	31.3	31.4	29.8	28.7	27.8	27.5	26	25.7	25.2	25.1	25.1	27.6
30.9	32	32.3	**32.6**	32.1	30.2	28.4	28	27.3	26	25.8	25	28.2
29.4	25	25.9	26.8	26.3	26.1	25.7	25.5	25.3	25	24.4	**24.1**	26.5
28.6	29	**29.3**	28.7	28.5	27	26.2	25.7	25.5	25.5	25.6	24.9	26.2
28.3	**28.5**	28.3	27.3	26.7	26.3	26	25.5	25.4	25.5	25.4	25.2	25.8
28.6	**29.8**	29.7	27.7	27.1	26.7	24.8	24.8	25	24.9	24.8	24.7	26
30.3	25.8	26.7	26.7	26.8	25.5	25.2	25.5	25.4	25.3	25.2	25.2	26.3
26.9	**27.6**	25	25.6	25.5	25.2	25.3	25.2	25.1	**24.5**	24.6	24.8	25.5
25.7	26.5	25.7	25.8	26.4	25.5	25.3	25.4	25.3	24.7	**24.4**	**24.4**	25.5
29.4	28.6	29.3	27.8	24.9	25.1	25	**24.6**	24.7	24.7	24.9	24.8	26.3
29.4	29.7	27.8	27.2	27.4	26.8	25.9	25.8	25.3	**24.3**	**24.3**	**24.3**	26.5
27.7	28.5	**30.4**	30	29	25.8	25.2	25.1	24.6	24.8	24.6	24.4	26.3
31.4	29.7	29.1	28.9	28.2	28	27.2	26.6	26.4	25.7	25.1	25	26.7
29.7	29.2	26.7	27.3	26.8	26.1	26	25.7	25.1	24.8	24.7	24.6	26.4
27.9	28	**28.1**	28	25.5	24.4	24.3	24.5	24.3	24.3	24.4	24.6	25.4
24.9	24.7	25	25.5	25.5	25	**23.6**	24.3	24.7	24.7	24.6	24.7	25.2
24.2	24.8	24.9	**25.5**	25	**23.5**	25	24.9	24.4	24.1	24	**23.5**	24.5
24.2	23.9	24.3	23.4	23.8	23.7	24.2	25.6	25.5	25.7	24.1	25.2	**24.3**
29.6	29	29	28.7	28.1	26.6	26.1	25.7	25.5	25.2	25	24.9	26.6

RELATIVE HUMIDITY (%).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	**93**	**93**	**93**	**93**	**93**	**93**	87	85	72	70	65	**57**
2	93	**94**	93	**94**	92	93	86	79	71	65	58	58
3	90	92	93	94	94	94	91	81	80	76	66	**61**
4	91	93	95	94	94	95	92	87	87	83	77	77
5	**96**	95	94	92	93	92	84	75	69	67	65	64
6	95	97	94	95	95	94	87	74	75	69	63	60.5
7	**95**	92	92	92	93	92	87	79	75	75	72	68
8	91	94	92	93	**95**	94	**95**	92	82	80	76	**67**
9	95	95	94	91	92	93	92	82	83	77	73	**69**
10	**97**	95	95	93	94	94	94	91	85	77	71	66
11	88	88	87	86	88	88	83	75	71	66.5	63	**58**
12	**92**	**92**	91	90	88	89	80	76	76	77	75	72
13	86	86	90	90	91	89	87.5	75	73	72	72	72
14	**92**	**92**	91	**92**	**92**	**92**	88	78	70	73	69	74
15	88	85	91	92	**93**	91	85	75	71	68	65	65
16	85	86	84	86	87	89	85	77	71	70	**67**	**67**
17	92	95	94	**97**	96	94	94	89	84	82	82	79
18	95	95	95	**97**	93	92	92	89	85	90	89	88
19	94	92	94	93	94	94	92	90	92	91	88	81
20	**97**	**97**	**97**	**97**	96	95	90	84	81	77	77	**73**
21	92	92	93	**94**	92	92	92	93	88	**94**	89	86
22	92	94	94	95	94	**96**	91	90	86	86	83	82
23	91	90	87	90	90	**92**	89	87	83	77	**71**	74.5
24	93	91.5	92	91	91	92	88	75	71	70	75	72
25	**95**	94	93	92	91	91	89	89	85	76	73	70
26	92	90	91	92	91	90	87	79	72	70	70.5	68
27	94	94	93	94	94	95	92	78	72	73	**67**	68
28	**97**	**97**	96	96	96	95	95	92	89	83.5	77	77
29	**97**	**97**	96	95	96	95	93	95	83	80	80	**77**
30	92	93	95	93	92	93	95	93	95	**96**	91	91
31	93	92	94	92	94	91	88	**87**	**87**	95	89	93
Mean	**92.7**	**92.7**	**92.7**	**92.7**	**92.7**	92.5	89.4	83.6	79.5	77.6	74.1	**72.1**

VAPOR PRESSURE (mm).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	22.7	22.6	22.3	22.2	22.3	22.3	23.6	**25.3**	23.9	23.6	22.8	21.7
2	22.1	22.3	22.2	22	21.2	21.5	23.6	24.2	23.6	22.5	21	21.4
3	22.3	22.2	22.2	22.1	22	22.1	23.7	**24.6**	23.7	23.9	23.4	22.2
4	22.3	22.3	22.1	**21.9**	22	22.4	23.3	23.5	23.9	23.9	**24.4**	23.8
5	22.5	22.4	21.9	**21.2**	21.3	**21.2**	22.6	22.1	22	21.8	22.2	21.8
6	22.1	22.2	21.5	21.3	21	**20.8**	22.4	22.2	23.5	23	21.9	22
7	22.5	21.6	21.1	20.9	20.9	21	22.4	22.8	**24.4**	23.7	23.3	23.3
8	**20.3**	21.1	21.1	21	21.1	20.8	21.7	22.8	22.4	22.6	22	22
9	22.6	22.6	22.3	21	21.2	21	21.3	**20.4**	21.3	21.2	21.6	22
10	21.9	21.6	21.4	21.2	21.1	21.1	22	**22.9**	22.4	22.1	22.5	**22.9**
11	21	**20.8**	**20.8**	21	20.9	21	21.9	22.8	22.2	21.5	21.6	21
12	21.6	21.1	20.7	20.2	**19.6**	**19.6**	20.9	22.5	22.7	22.3	**22.8**	22
13	21.2	20.5	20.7	20.2	19.8	**19.6**	20.6	20.2	21.4	22.3	22	22.1
14	21.9	21.7	21.6	21.4	**21.2**	**21.2**	22.7	23.3	22.7	23.5	23.7	23.6
15	21.6	21.2	21.8	21.1	20.9	20.4	21.1	21.3	22.2	22.2	21.7	**23.1**
16	19.4	19.8	20	20.1	19.9	20.4	21.7	22	22.2	**23.3**	22.5	23.2
17	20.4	20.8	20.5	20.5	**20.3**	20.5	21.3	21.7	22.3	22.8	**23.1**	**23.1**
18	21.8	21.7	21.6	21.4	20.5	**20.4**	21.2	21.5	21.3	22.6	23	**23.6**
19	22.3	21.7	22.1	21.8	21.6	**21.5**	21.8	22.5	23	**23.4**	22.3	22.1
20	22.1	22	22.3	22	21.5	**21.4**	23.7	22.9	23	23.8	22.8	24.2
21	21.7	21.7	21.7	22	**21.3**	**21.3**	22.1	22.3	22.4	**23.3**	23.1	22.7
22	21.7	21.6	21.3	21.8	22	21.7	22	22.1	21.5	22.2	22.1	**23.3**
23	20.8	20.9	**20.5**	20.9	20.9	21.3	21.7	**23.2**	**23.2**	22.3	22.4	21.3
24	21.2	20.9	20.9	20.8	20.8	21.1	22.3	21.2	21.6	**22.6**	21.8	21
25	21.4	21.3	21	21.1	**20.1**	**20.1**	21.1	21.7	22.1	21.9	**22.9**	22.1
26	19.8	19.2	19.3	19.4	**19.1**	19.2	20.4	21.9	21.7	21.6	20.4	22
27	22	21.2	21.2	21.3	21.3	21.6	21.4	**21**	21.6	21.3	21.3	21.9
28	22	22.2	21.6	21.5	21.4	21.1	21.6	21.1	21.7	22.4	21.4	**20.4**
29	22.3	21.9	21.9	21.4	21.2	**21.1**	21.7	22.2	21.7	22.3	22.7	**23.2**
30	21.4	**22.1**	21.7	21.7	20.6	21	21.1	21.3	21.4	21.2	21.1	21.2
31	19.9	**19.7**	20	**19.7**	20.5	20.5	21.4	21.5	20.4	20.4	20.1	20.5
Mean	21.6	21.4	21.3	21.2	**21**	**21**	21.9	22.3	22.4	**22.5**	22.3	22.3

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
60	64	67	64	64	66.5	72	87	87	90	90	92	79.1
56	57	63	71	73	87	87	86	87	90	91	91	79.8
71	83	71	75	70.5	76	88.5	97	98	98	98	91	84.5
74	82	83	88	87	96	96	95	97	95	96	96	89.6
62	83	76	70	79	80	84	88	91	92	93	94	82.4
58	54	54	55	71	94	98	93	85	90	93	95	80.8
62	66.5	73	71	83	94	82	89	88	86	93	91	82.9
85	77	70.5	71	70.5	81	86	88	92	91	93	94	85.4
70	74	69.5	86	91	95	96	96	96	95	96	97	87.4
58	62.5	67.5	64	69	78	79	77	80	80	83	84	80.6
61	65	65	68	73	80	87	90	92	92	89	93	79
65	63	61.5	62	65	65	76	76	82	78	79	82	77.2
71	72	71	72	72	86	88	88	87	91	90	93	81.9
74	71	68	73	78	83	83	87	89	89	91	91	82.5
64	61	60	61	61	69	71	77	82	81.5	83	83	75.9
74.5	80	80	78	83	86	89	89	89	92	89	92	82.3
77	78	76	75	77	77.5	84	87	89	89	88	94	86.2
80	79	77	84	86	90	87	91	92	91	91	93	89.2
78	73	74	83	86	87	95	95	93	94	95	96	89.3
78	97	90	91	88	93	93	93	94	93	93	92.5	89.9
88	79	93	90	90	92.5	92	90	90	93	94	92	90.9
84	80	85	88	83	89	87	86	86	92	92	93	88.7
74.5	77	71	78	92	90	92	90	89	90	92	92	85.4
71	66	73	82	77	80	83	84.5	88	94	94	94	82.8
76	75	65	65	72	84	85	85	87	87	88	90	83.2
66	71	77	77	74	77	82	86	89	88	92	93	81.9
72	75	86	85	86	90	91	93	93	94	95	96	86.2
77	77	76	75	93	94	95	96	96	97	97	97	90
92	93	93	93	93	93	97	96	95	95	93	95	92.2
91	92	92	89	93	92	89	90	95	91	93	94	92.5
96	97	99	97	97	97	97	93	95	93	97	97	93.8
73.1	75	75.1	76.8	79.9	85.2	87.5	89	90.1	90.7	91.6	92.5	85

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
22.4	23.8	22.9	23.4	22.7	21.5	22.3	21.6	20.5	21	20.9	21.7	22.5
21.7	21.8	22.5	24.6	23.6	20.1	21	22.7	22.6	22.8	22.4	22.3	22.3
23.3	22.6	22.5	23.1	23.1	23	22	21.1	21.4	21.4	21.5	22.1	22.6
23.7	23.2	23.1	23	23.5	23	22.7	22.4	22.9	22.9	22.8	22.7	23
22.6	23.7	22.8	22.7	23.3	22.5	22.3	22.6	22.4	22.4	22.3	22.1	22.3
22.1	20.8	21.3	22.1	24.3	23.8	23.9	23.1	22.2	22.5	22.7	22.7	22.3
22.7	21.5	23.8	22.5	22.3	21.8	20.9	21.9	21.6	20.2	20.5	20.1	22
21.9	21.9	21.7	21.6	21.7	23.2	22.7	22.7	22.9	22.4	23.1	22.8	22
21.6	22.3	22.1	23	23.3	23.3	23.2	23.1	22.8	22.5	22.3	22.3	22.1
20.8	21.1	21.4	20.2	21.2	22	22	20.6	20.7	20.5	21	20.7	21.5
22.5	22.2	21.1	21.6	22.4	22.8	23.2	23.4	23	22.9	22	22.2	21.9
22.8	22.5	22.1	22.1	22.5	22.4	22.7	20.5	20.9	21.3	20.9	21.1	21.6
21.7	22.6	22.4	23.5	23.5	22	21.6	21	20.8	21.9	21.7	22.4	21.5
23.7	24	23.3	22.8	22.7	23.1	22.6	21.7	21.9	21.2	21.5	21.5	22.4
21.1	21.7	21.7	22.3	21.8	22	20.4	21.5	22.1	20.3	20.5	19.7	21.4
22.6	18.9	19.9	20.5	21.2	21.7	21.9	21.7	21.4	21.6	20.2	20.6	21.1
22.3	23.1	23.1	21.8	22.2	20.5	21.2	21.3	21.7	21.7	21.6	22	21.7
22.9	22.8	22.1	22.5	22.5	22.8	21.7	22	22.1	22	21.9	22.2	22
22.7	22.8	22.9	22.9	22.8	22.7	22.1	22.1	22	22	22.1	22.2	22.3
24.9	23.9	23.3	23.7	23	22.4	22.2	22.4	22.7	22.3	22.2	22	22.8
23.2	21.5	22	22	21.8	22	21.9	21.4	21.3	21.3	21.6	21.5	22
20.5	20.6	20.9	21.6	21.3	21.7	20.8	20.7	20.6	21.2	21	21.2	21.5
22.6	22.3	21.5	21.6	21.6	21.3	21.7	20.7	20.6	20.8	21.6	21.5	21.6
21.6	20.4	20.2	21.9	20.9	20.8	20.6	20.8	21.2	21.2	21.2	21.2	21.2
21.1	21.8	21	20.5	21.5	20.7	20.3	20.1	20.1	20.2	20.3	20.4	21
22.7	21.9	23.1	22.8	21.2	21.5	21.9	22.3	22.7	21.7	21.9	22	21.2
22.3	22.6	22.3	22.9	22.4	22.6	22.7	22.7	22.1	21.9	21.9	22	21.9
21.4	21.7	21.4	21.1	22.6	21.3	21.4	21.9	21.6	21.8	21.9	22.4	21.6
21.4	21.5	22	22.6	22.6	22	21.1	21.6	21.9	21.9	21.4	21.9	21.9
20.5	21.3	21.4	21.7	22	19.8	21	21	21.6	20.4	20.7	20.2	21.1
21.5	21.3	22.4	20.6	21.3	21.2	21.8	22.5	23	22.9	21.7	23	21.2
22.2	22.1	22.1	22.2	22.3	22	21.9	21.8	21.8	21.6	21.6	21.7	21.9

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Ci.-S.	ENE	Ci.		Ci.-Cu.		Ci.		Ci.			
2	Ci.		Ci.		Ci.		Ci.		Ci.-S.		Ci.-S.	
3	Ci.		Ci.		Ci.-S.		Ci.-S.		Ci.			
4	Ci.-S.		Ci.-S.		Ci.				Ci.-S.			
5	Ci.						Ci.					
6	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
7	Ci.										Ci.-S.	
8	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
9												
10	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
11	A.-Cu.		A.-Cu.		A.-Cu.		Ci.		Ci.-Cu.		Ci.	
12	Ci.		Ci.		Ci.		Ci.-S.		Ci.-S.		Ci.	
13	Ci.		Ci.		Ci.		Ci.-Cu.	SE	Ci.-S.		Ci.-S.	
14	A.-Cu.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
15	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
16	Ci.	ESE	Ci.-S.	ESE	Ci.-Cu.		A.-Cu.		Ci.-S.		Ci.	
17	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
18			Ci.-S.		Ci.-S.		Ci.-S.					
19												
20	Ci.	NNE	Ci.-S.		Ci.-S.	NNE	A.-Cu.	W			A.-Cu.	W
21												
22	Ci.-S.		Ci.-S.						Ci.-S.			
23	A.-Cu.	NW			A.-Cu.				A.-Cu.		A.-Cu.	
24			A.-Cu.		Ci.-S.		Ci.-S.				Ci.-S.	
25							Ci.-S.		Ci.-S.	NE	Ci.-S.	NE
26					Ci.-S.		A.-Cu.				Ci.-Cu.	
27	A.-Cu.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
28			A.-S.				Ci.-S.					
29	Ci.-S.				Ci.-S.		Ci.-S.				Ci.-S.	
30												
31	Ci.-S.											

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Cu.	SE	Cu.	SE	Cu.	SE	Cu.		Cu.	SSE	Cu.	SSE
2	Cu.		Cu.	SE	Cu.	SE	Cu.		Cu.	SEbyE	Cu.	
3	Cu.	ESE	Cu.	SE	Cu.	SE	Cu.	SE	Cu.		Cu.	
4	S.-Cu.	ESE	S.-Cu.	ESE	Cu.-N.	ESE	Cu.-N.	ESE	Cu.-N.		Cu.-N.	
5	Cu.-N.		Cu.		Cu.		Cu.		Cu.		Cu.-N.	
6	Cu.		Cu.		Cu.	E	Cu.	E	Cu.		Cu.	
7	Cu.		Cu.	SE	Cu.	SE	N.-cf.	SE	N.-cf.	SE, SSE	Cu.	
8	S.-Cu.	E	S.-Cu.		Cu.	SEbyE	Cu.-N.	SE	Cu.		Cu.-N.	ESE
9	Cu.-N.		Cu.-N.	E	Fr.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	
10	S.-Cu.		S.-Cu.	ESE	S.-Cu.		Cu.-N.	ESE	Cu.	SE	Cu.	
11	S.-Cu.	SE	S.-Cu.	SE	Cu.	SE	Cu.		Cu.	SEbyE	Cu.	
12	Cu.		Cu.		Cu.	ESE	Cu.	ESE	Cu.-N.	ESE	Cu.-N.	
13	Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.-N.		Cu.-N.	
14	Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	
15	Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E	N.-cf.	E
16	Cu.		Cu.		Cu.	SE	Cu.	SE	Cu.-N.	SE	Cu.	SEbyS
17	Cu.		Cu.		Cu.	ENE	Cu.-N.	EbyN	Cu.-N.	EbyN	Cu.-N.	
18	Fr.-N.	NE	Cu.-N.	NE	Cu.-N.	NE	Cu.-N.	NE	Fr.-N.		N.	
19	S.-Cu.		S.-Cu.	EbyS	Fr.-N.		N.		N.		N.	
20	Cu.		Cu.		Cu.	SSW	N.-cf.	SSW	Cu.-N.	SSW	Cu.-N.	SSW
21	N.		N.		Cu.-N.		Fr.-N.	SW	Fr.-N.	SW	Cu.-N.	
22	Cu.-N.	SW	Fr.-N.	SW	Fr.-N.		Fr.-N.	SWbyW	Cu.-N.		N.	
23	S.-Cu.		S.-Cu.	SWbyW	S.-Cu.		N.-cf.	SW	N.-cf.	SW	Cu.-N.	
24	N.-cf.	SW	Cu.	WSW	Cu.	WSW	Cu.	WSW	Cu.-N.	WSW	Cu.-N.	WSW
25	Cu.-N.	SW	Cu.-N.	SW	Cu.-N.	SW	Cu.		Cu.		Cu.	
26	Cu.		Cu.	WbyS	Cu.	WbyS	Cu.	WbyS	Cu.		Cu.	
27	Cu.-N.		Cu.-N.	ENE	S.-Cu.	ENE	Cu.-N.	E	Cu.-N.	E	Cu.-N.	E
28	Cu.-N.		Cu.-N.		Fr.-N.	SbyE	Fr.-N.		N.-cf.	NbyW	N.-cf.	NbyW
29	Cu.-N.	WSW	N.	WSW	Cu.-N.		Cu.-N.	WSW	Cu.-N.	SW	Cu.-N.	SW
30	N.	WSW	N.	WSW	N.	WSW	N.	SW	N.	SW	N.	
31	Cu.-N.	WSW	Cu.-N.	WSW	N.	WSW	N.	WSW	Cu.-N.	WSW	Cu.-N.	WSW

UPPER CLOUDS—FCRM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Ci.		Ci.		Ci.-S.		Ci.-S.		Ci.-S.			
Ci.-S.		Ci.		Ci.		Ci.-S.					
				Ci.-S.	E	Ci.-S.	E	Ci.-S.		Ci.	
Ci.		Ci.-S.						Ci.-S.			
A.-Cu.						A.-Cu.					
Ci.		Ci.	E	Ci.		Ci.					
Ci.-S.				Ci.-S.						Ci.-Cu.	
				Ci.-S.							
Ci.		Ci.-S.		Ci.-S.							
Ci.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.		Ci.-S.	
Ci.-S.		Ci.-S.		Ci.				Ci.-S.		Ci.-S.	
Ci.-S.		A.-Cu.	SE	A.-Cu.	SE	A.-Cu.		A.-Cu.			
Ci.-S.		Ci.-S.								Ci.-S.	
Ci.-S.		Ci.		Ci.				Ci.-S.		Ci.-S.	
								Ci.-S.		Ci.-S.	
Ci.-S.				Ci.-S.		Ci.-S.		Ci.-S.		A.-Cu.	
		Ci.-S.									
A.-Cu.											
		Ci.-S.									
				A.-Cu.							
A.-Cu.		A.-Cu.		A.-Cu.				A.-Cu.		A.-Cu.	
Ci.-S.	NE	A.-Cu.		A.-Cu.		A.-Cu.		Ci.-S.		Ci.-S.	
Ci.		Ci.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
										Ci.-S.	

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Cu.		Cu.-N.	ESE	Cu.-N.	ESE	Cu.-N.	ESE	Cu.-N.	E	Cu.-N.	
Cu.	SSE	Cu.	SSE	Cu.	SSE	N.-cf.	SSE	Cu.-N.	SSE	N.	
Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.	SE	Cu.	
Cu.-N.	SE	Cu.-N.		Cu.-N.	SW	Cu.-N.	SW	Cu.-N.		Cu.-N.	
Cu.	SE	Cu.-N.	SE	Cu.	SEbyE	Cu.		Cu.-N.	SSE	Cu.	ESE
Cu.		Cu.		Cu.		Cu.		Cu.-N.		N.	
Cu.-N.		Cu.-N.		Cu.-N.	E	N.		N.	WSW	Cu.-N.	WSW
Cu.-N.	ESE	N.	ESE	N.-cf.	ESE	Cu.-N.		N.-cf.		Cu.-N.	
Cu.-N.	E	Cu.-N.	E	Cu.-N.		Cu.-N.	E	Cu.-N.	E	Cu.-N.	
Cu.	SEbyE	Cu.-N.	SE	Cu.-N.	SE	Cu.-N.	SE	Cu.-N.	SSE	Cu.-N.	SSE
Cu.-N.		Cu.-N.	E	Cu.-N.	E	Cu.	E	Cu.	E	Cu.	
Cu.	ESE	Cu.	ESE	Cu.		Cu.	ESE	Cu.	ESE	Cu.-N.	
Cu.-N.	E	Cu.-N.		Cu.-N.	EbyS	Cu.-N.	EbyS	Cu.-N.	ESE	Cu.-N.	
Cu.-N.	E	Cu.-N.	E	Cu.-N.	ESE	Cu.-N.	ESE	Cu.-N.		N.-cf.	
Cu.		N.-cf.	E	Cu.	E	Cu.	E	Cu.-N.	E	Cu.-N.	
Cu.-N.	SE	Cu.-N.	SE	Cu.-N.	SE	Cu.-N.	SE	Cu.-N.		Cu.-N.	
Cu.-N.		Cu.-N.	E	Cu.-N.	E	N.-cf.		N.-cf.	E	Cu.	
N.	EbyN	N.	E	N.	E	N.		N.		Fr.-N.	
N.-cf.	EbyS	Cu.-N.	E	Cu.-N.	E	N.		Cu.-N.		N.	
S.-Cu.	SSW	N.		N.		Cu.-N.		N.		N.	
Fr.-N.	SW	N.-cf.	SW	Fr.-N.	SW	Fr.-N.		Fr.-N.		Fr.-N.	
Fr.-N.	SWbyW	Fr.-N.	SWbyW	N.	SW	N.	SW	N.	SW	Fr.-N.	SW
Cu.-N.	SW	Cu.-N.	SW	Cu.-N.	SW	Cu.-N.	SW	N.	SW	N.	SW
Cu.-N.	WSW	Cu.-N.	WSW	Cu.-N.	WSW	Cu.-N.	WSW	Cu.-N.	WSW	Cu.-N.	
Cu.-N.	SW	S.-Cu.	SW	Cu.	SW	Cu.-N.	SW	Cu.-N.		Cu.-N.	SW
Cu.-N.	WbyS	Cu.-N.	WbyS	Cu.-N.	W	Cu.-N.	W	Cu.-N.	W	Cu.-N.	
Cu.-N.	ESE	Cu.-N.	ESE	Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.	
N.-cf.	NbyE	N.-cf.		N.-cf.	SbyE	N.-cf.		N.	NbyE	N.	
N.	SW	N.	SW	N.		N.	SW	N.	SW	N.	
Fr.-N.	WSW	N.	WSW	N.		Fr.-N.		N.	WSW	N.	
N.		N.		N.	WSW	N.		Fr.-N.		Fr.-N.	WSW

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	ESE	1	ESE	0.5	ESE	0.5	Calm		Calm		Calm	
2	E	1	NE	1	N	1.5	NE	1.5	NE	1	Calm	
3	ENE	1	ENE	.5	ENE	1	ENE	1	Calm		Calm	
4	WbyN	4.5	N	1.5	ENE	.5	ENE	2	Calm		Calm	
5	Calm		Calm		Calm		SE	.5	E	.5	Calm	
6	Calm		Calm		E	1	E	.5	ESE	1	Calm	
7	ENE	1	NNE	2	NE	2	Calm		Calm		N	0.5
8	Calm		Calm		NNE	.5	Calm		N	.5	Calm	
9	SE	.5	Calm		ENE	1	ENE	.5	ENE	1	Calm	
10	NE	1	NE	1	Calm		NE	2	E	.5	Calm	
11	Calm		Calm		Calm		SSE	1	Calm		E	.5
12	Calm		Calm		Calm		NNE	.5	NNE	1	NNE	.5
13	NE	1.5	NE	1.5	NNE	.5	ENE	.5	Calm		Calm	
14	Calm		Calm		ENE	1	NE	1	NE	.5	SE	1.5
15	S	2.5	S	2	SSE	1	SE	1.5	ENE	1	NE	1.5
16	N	3	N	.5	N	1	N	2	NNE	2	NNE	.5
17	N	1	Calm		Calm		ENE	.5	Calm		Calm	
18	Calm		Calm		Calm		EbyN	1.5	ENE	1.5	N	1
19	NbyE	2	NE	1.5	NE	1.5	NE	1.5	NNE	2	NNE	1
20	Calm		Calm		Calm		Calm		E	.5	Calm	
21	SSE	2	SE	.5	Calm		SE	.5	SE	.5	SSE	2
22	S	3.5	SSE	.5	SSE	1.5	SSW	4.5	SSW	3.5	S	1
23	SSE	1.5	SEbyS	1.5	SEbyS	2	SSE	.5	SSE	1	SSE	1
24	SEbyS	1.5	SEbyS	1	SEbyS	1	SEbyS	1.5	SEbyS	1.5	Calm	
25	NNE	.5	SE	.5	SSE	1	NNW	5.5	NNE	3	Calm	
26	SEbyE	.5	SEbyE	.5	Calm		Calm		Calm		Calm	
27	SSE	1	SE	1	ESE	1	ENE	1.5	ENE	.5	Calm	
28	Calm		Calm		NNE	1	N	2.5	N	2.5	N	1.5
29	Calm		ESE	.5	SSE	.5	Calm		Calm		Calm	
30	WSW	4.5	SW	3	SSW	5.5	SW	4	SbyW	4.5	SSW	4
31	SEbyS	1	SEbyS	1	SEbyS	1	SEbyS	1	SEbyS	1	SSE	2
Mean		1.2		0.7		0.9		1.3		1		0.6

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	W	2	WSW	3.5	WSW	3.5	SW	5	WSW	6.5	WSW	3.5
2	SE	5.5	SE	2	SW	4	WSW	5.5	WSW	6	NNE	8
3	ESE	2.5	WSW	3.5	SW	.5	WSW	2.5	WSW	3.5	SW	4
4	WNW	2	WSW	3	WSW	4	SW	4.5	WSW	2.5	SSW	1
5	SE	6	WSW	3	WSW	2.5	WSW	4	WSW	4.5	WSW	5
6	SSE	.5	SSE	1.5	SSE	3	SSE	2.5	SW	2.5	SSW	7.5
7	WNW	4	NNW	2.5	Calm		WSW	1	SbyE	4	W	1.5
8	W	1.5	WNW	1.5	WNW	2	WNW	.5	WSW	.5	WSW	.5
9	Calm		WNW	1	WNW	1	Calm		Calm		Calm	
10	SEbyS	4	SE	5	ESE	3	SE	2.5	SE	1.5	S	1.5
11	SE	3	ESE	2.5	SE	1	SSE	2.5	SW	1.5	SE	1.5
12	WNW	3	WNW	3.5	WNW	2	WNW	3.5	WNW	1.5	Calm	
13	WbyS	1	W	.5	WNW	1.5	W	1.5	NNW	1	SE	1.5
14	WNW	2	WNW	2.5	SW	3.5	SSW	1.5	SSW	1	SSW	2.5
15	WNW	4.5	WNW	5.5	WNW	2.5	Calm		Calm		SSW	1
16	SbyW	6	ENE	3.5	Calm		NE	1	ENE	1	ENE	1
17	Calm		Calm		SSE	1	Calm		Calm		SE	.5
18	NNE	1	WNW	1.5	NWbyN	2	NbyW	4.5	NbyW	1.5	NNW	1
19	SE	2	SSE	2	SSW	5	SW	1	Calm		S	1.5
20	SW	1.5	SbyW	5.5	WbyS	5	SSE	2.5	EbyS	1.5	ESE	1
21	SSW	3.5	SWbyS	5.5	SW	9	S	4	SWbyW	6	SWbyW	3.5
22	SW	9	SSW	7	SSE	3	S	5.5	SbyW	4	SE	1.5
23	SSW	3.5	SSW	8	SWbyW	7	SSW	6	SSW	11	SSW	6.5
24	WSW	10.5	SWbyW	7.5	SWbyW	10	SW	5.5	SW	5.5	SW	1
25	WSW	5.5	WSW	3.5	W	2.5	SWbyW	5.5	SW	3	SSW	5.5
26	SW	5.5	SSW	6	SSW	2	SW	1.5	SWbyW	1.5	SW	1.5
27	NW	5	NW	1	Calm		WSW	1.5	Calm		Calm	
28	NNW	4.5	NNW	2	NW	4.5	NW	2.5	ENE	1.5	ESE	2
29	SSW	6	S	3.5	S	2.5	SbyW	2	S	2	WbyS	2
30	SWbyW	11	WSW	10	WSW	6	WSW	3	S	.5	SW	7
31	SSW	3.5	S	6	SSW	4	WNW	4.5	Calm		Calm	
Mean		3.9		3.7		3.1		2.8		2.4		2.4

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
Calm		SE	1	SW	2	Calm		SSE	1.5	SSE	1.5
Calm		Calm		ESE	1	ESE	1	ESE	4.5	SE	5
Calm		SSE	.5	SSE	.5	SE	1	ESE	3	ESE	3
ENE	1	Calm		SE	.5	E	.5	W	.5	W	2
Calm		S	2	SE	2.5	SEbyS	3	SSE	3	SE	4
Calm		E	1	E	1.5	SSW	2.5	SE	3.5	SEbyS	5
NE	1.5	NW	1.5	WNW	.5	WNW	3.5	WNW	3.5	WNW	4
Calm		Calm		Calm		SSW	.5	SSE	1	Calm	
NE	.5	NE	.5	NE	.5	WNW	1	WSW	1.5	E	1.5
Calm		Calm		Calm		Calm		SE	.5	SE	1.5
Calm		SE	3	SE	2.5	SE	3.5	SE	2	SSE	1.5
NNE	1.5	NNE	.5	W	2.5	WNW	2.5	WNW	2.5	NW	3
NNE	1.5	Calm		W	2.5	W	3	W	1	W	.5
S	1	S	1.5	SE	2.5	SE	1.5	E	1	NW	2.5
NE	1.5	Calm		ENE	2	NE	1.5	NNE	1.5	NNW	4.5
Calm		Calm		Calm		W	1.5	W	1	WSW	5
N	1.5	NNE	1	N	1	NNW	1.5	W	1	W	.5
N	3	NNE	2.5	NNW	2	NNE	1	Calm		Calm	
NbyE	2.5	Calm		SE	2	SSW	3.5	Calm		Calm	
Calm		ESE	1	Calm		SE	2	S	1	SSW	2
SEbyE	3	S	2	SSE	2	SbyW	4.5	SW	4	SSW	5
S	.5	SE	4.5	S	5.5	S	3	S	3	SSE	1
Calm		SSE	1	SSE	2.5	S	1.5	SW	6	SbyW	5.5
SSE	1.5	SE	2	S	2.5	SSW	3	WSW	9	WSW	9.5
NNE	2.5	NNE	1.5	WbyN	2.5	WSW	4	WSW	4	SW	2
ENE	2	SE	1	SSW	1.5	SSW	2	Calm		SSW	2
Calm		NE	1	Calm		NNE	2	NNW	3.5	WNW	2.5
N	.5	N	1	Calm		NNE	3	NNE	4.5	NNE	5.5
Calm		N	1.5	Calm		Calm		SSW	2	SSW	3
SW	7	SSW	4	SSW	3	SW	7	SW	7	SWbyS	3
S	3.5	SSW	5.5	SSW	5	WSW	14	WNW	2	ENE	2
	1.2		1.3		1.6		2.5		2.5		2.8

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		Midnight.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
WSW	1.5	NE	3	NNE	4	NE	2.5	NE	2.5	NE	1	1.9
SW	1	SWbyW	4	SW	1.5	NNE	1	EbyN	1.5	ENE	1	2.4
S	9.5	SE	2	ENE	.5	ENE	1.5	ENE	1	W	4	1.9
NE	.5	NE	.5	Calm		Calm		Calm		Calm		1.3
SSW	2.5	SE	1	SE	.5	ESE	1	ESE	.5	Calm		1.9
Calm		S	1	S	3	S	.5	SbyE	1	ENE	1	1.7
SW	.5	SW	.5	SW	.5	N	6	E	.5	Calm		1.7
Calm		E	1.5	NE	.5	E	.5	ESE	.5	SE	.5	.5
Calm		Calm		Calm		Calm		NE	.5	NE	1.5	.5
Calm		ESE	1.5	SE	1	SE	3	ESE	1.5	E	.5	1.3
Calm		Calm		SSE	.5	ENE	.5	ENE	.5	Calm		1.1
Calm		NNE	.5	Calm		NNW	3	N	3	N	2.5	1.5
SE	1.5	SE	1	Calm		Calm		Calm		Calm		.9
SSE	4	NNE	4.5	NNE	6	NNE	2	NNE	1	SSE	2.5	2
SSW	4	SW	1	SSW	.5	N	3	N	2	N	3.5	2
Calm		ENE	1	N	3.5	N	3.5	N	3.5	NNE	1.5	1.8
Calm		SE	1.5	Calm		ENE	1.5	ENE	2	Calm		.6
NNE	1.5	N	2	N	2	N	2	N	2	NbyE	1.5	1.5
Calm		ENE	.5	ESE	1.5	ESE	1.5	SEbyE	1	SE	.5	1.4
EbyS	1.5	SE	1	SE	.5	SSE	3.5	SE	.5	SSE	.5	1.3
SbyW	5	S	4.5	SW	5	S	1	S	1.5	SbyE	3	3.2
SW	8.5	SbyW	3	SbyW	2	S	.5	Calm		Calm		3.2
SbyW	5.5	SSE	.5	SSE	.5	SSE	.5	S	1.5	Calm		3.1
SSW	1	WbyS	3	NE	2.5	NE	1	Calm		ENE	1.5	3.5
WSW	4.5	W	2	S	1.5	SbyW	2	SSW	3	SSW	.5	2.8
SW	2	Calm		Calm		SE	1.5	SEbyS	1.5	SSE	1.5	1.4
SSE	1	SSE	1	SSE	1	Calm		Calm		Calm		1
E	.5	E	.5	Calm		Calm		Calm		EbyN	1	1.7
WSW	1.5	SW	7.5	W	4.5	WSW	4.5	WSW	6.5	SWbyW	5	2.3
SWbyW	6.5	SW	5.5	S	2	SbyW	2	Calm		SSE	.5	4.6
SSE	3.5	S	4	S	5	SSE	4	SW	9	SW	5	3.6
	2.2		1.9		1.6		1.7		1.5		1.3	1.9

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	2.5	3.5	2	2	1.5	1.5	1	4	5	6.5	5	8
2	2	3	3.5	3.5	3	2	1.5	8.5	8	6	13	14
3	2.5	2.5	2.5	2.5	3.5	2.5	3.5	6	9	9.5	11	9
4	14	5.5	3.5	8	1.5	1	1	2.5	3	2.5	4	6
5	0	0	1	2.5	1	0	1.5	4	11.5	10	13.5	13.5
6	1.5	1	3	3	2.5	3.5	2.5	1.5	3.5	4	8.5	9.5
7	4	6.5	7	4	.5	1	4.5	5	4	6	**18**	12
8	0	1	1.5	5.5	1.5	5.5	4	3	1	5	6.5	3.5
9	3	2	2	7.5	4.5	2.5	.5	3	.5	1.5	2	3.5
10	5	5	4	2.5	7.5	2	0	1	.5	4.5	9.5	11
11	2	.5	.5	3	3.5	1.5	1.5	5	10.5	10.5	11.5	10.5
12	.5	1	2	2	3	3	2.5	1	4	6	8	8
13	8	6	4	4	3	3	1	1.5	3.5	7.5	**8.5**	3
14	2	1	1.5	4.5	3.5	3.5	1.5	5.5	6	5	6	9.5
15	10.5	10.5	9	4	4.5	5	4	5	4.5	5	9	8
16	13.5	6	5	5.5	7.5	9.5	5.5	3.5	1.5	3.5	14	11.5
17	**7.5**	2.5	1.5	2.5	2	2.5	4	5.5	1.5	4.5	2.5	4
18	.5	1	2	4	5	6	7.5	12.5	12	4	.5	1
19	10	5	3	4	7.5	7	8	4	7.5	11	11	4
20	2	.5	.5	1	2	2.5	2.5	4	4	3	4	2.5
21	11	3.5	1.5	3	3.5	5	5	6	3	8.5	17	20.5
22	15.5	11.5	8	16	14	5.5	8.5	9	20	8	18	6.5
23	4	11.5	11.5	7	5	5	5.5	3	4.5	6	17	18
24	3	5	3	4	5	3	4	6.5	7	7.5	22	33
25	3.5	2	7	15	8	6	4	6	6	15	9	11
26	2	3	3	1	1	1.5	3.5	1.5	3.5	6	5	6
27	2.5	3	3.5	4	2.5	2.5	4.5	1	2	7.5	11	11
28	0	0	2.5	9.5	8	8	5	2.5	2.5	5	14	**15**
29	1.5	3.5	2.5	2.5	1.5	1.5	.5	2	.5	3	6.5	11.5
30	14	15	12	23.5	15.5	12	25	16.5	10	15.5	**40**	18
31	3	3	4	3	5	6.5	9.5	13.5	16.5	21.5	**24**	8
Mean	4.9	4	**3.8**	5.3	4.4	3.9	4.3	5	5.7	7.1	11.3	10

AMOUNT OF CLOUDS (0-10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	6	7	6	7	7	6	5	6	7	8	6	10	6.8	8 40
2	8	3	8	8	8	8	8	6	8	7	9	10	7.6	8 05
3	8	8	8	9	8	**9**	10	10	9	8	7	**9**	8.6	4 40
4	9	10	9	9	9	9	**7**	7	9	8	7	10	8.6	0 35
5	2	2	4	4	4	8	8	9	8	8	10	8	6.2	8 40
6	5	3	5	4	3	3	3	3	3	2	4	10	**4**	**9 45**
7	2	2	4	8	5	6	5	5	6	9	9	5	5.5	6 00
8	10	10	10	9	8	10	9	10	9	10	10	10	9.6	1 25
9	10	10	10	10	10	10	10	10	10	10	10	10	**10**	0 10
10	10	10	10	9	8	6	9	**9**	10	10	10	10	9.2	3 05
11	7	8	8	4	7	8	7	10	10	9	5	9	7.7	5 35
12	2	3	5	8	9	9	6	7	7	7	8	9	6.7	5 50
13	6	5	7	8	8	10	10	9	9	8	9	8	8.1	3 05
14	6	9	8	9	9	9	10	9	10	10	10	10	9.1	3 30
15	5	8	9	9	9	9	8	7	6	5	7	9	7.6	8 45
16	9	10	6	7	8	8	10	10	10	10	10	10	9	3 35
17	8	9	10	9	10	10	10	10	10	10	10	10	9.7	**0 00**
18	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
19	10	10	10	10	10	10	10	8	10	10	10	10	9.8	1 40
20	8	10	10	10	10	10	9	10	10	10	10	10	9.8	2 35
21	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
22	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
23	10	10	10	10	10	10	10	10	10	10	10	10	**10**	0 10
24	10	8	9	8	10	10	10	9	10	10	10	9	9.4	5 55
25	10	10	10	8	8	8	10	8	8	7	7	9	8.6	6 50
26	2	2	6	5	8	8	7	5	7	7	9	9	6.2	7 30
27	7	10	9	9	9	9	10	10	10	10	10	10	9.4	3 20
28	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
29	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
30	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
31	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
Total														109 25
Mean	**7.7**	8	8.4	8.4	8.5	8.8	8.7	8.6	8.9	8.8	8.9	**9.5**	8.6	3 32

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–mdt.	Mean.
11	16	16	19	21	19	**23.5**	11.5	11	10	5.5	3.5	8.7
15	13	16	21	**22**	21.5	6.5	9.5	11	2	3	2	8.8
8.5	16.5	6.5	10.5	9.5	15	**18.5**	17	4	6.5	6	8.5	8
7.5	17.5	**20**	17	9.5	10.5	.5	2	2	1.5	.5	0	5.9
14	17	14.5	17.5	18	**19.5**	12.5	7	2	3.5	3.5	2	7.9
12.5	12.5	11.5	9.5	**17**	16.5	6.5	3	7	5	2.5	3	6.3
15	12	4.5	9.5	14	16.5	5.5	2.5	2.5	10	**18**	5	7.8
7	8	**9.5**	5	2.5	.5	1.5	3.5	3.5	3	2.5	3	3.6
5.5	2.5	6.5	**9**	5.5	1.5	1.5	1	0	3	1.5	2.5	**3**
13	**14.5**	**14.5**	14	10	7	3	5	4	**7**	7.5	4.5	6.5
10	**12.5**	11.5	12	7.5	2	2	2	1.5	2.5	4.5	2	5.4
11	13.5	**14.5**	13	9	6	3	6.5	1.5	5	11	12	6.1
3.5	1.5	4.5	7	**7**	7.5	5.5	4.5	4	1	1	1.5	4.2
13	13	7	11.5	12	10	3.5	15	19	**21**	2.5	3.5	7.5
15	**15**	13	7	5	7	**7**	9.5	3	**7**	6.5	9	7.6
11.5	**14.5**	4	1.5	3.5	3.5	4.5	**6**	10.5	14	14	12	7.8
4.5	3	3.5	1.5	1	4.5	5	5	2	1.5	5.5	1.5	3.3
5	9.5	11	**14**	8	7.5	4	9.5	8	9	**14**	9	6.9
3	5	**15**	14	5.5	4.5	5	2	3	4.5	4	2.5	6.2
10	11.5	**14.5**	11	8.5	6	4	5	4	8.5	4	2.5	4.9
16	22.5	**44**	21	18	15	15	13	14.5	2.5	6	22	12.4
29.5	23	19	17	11.5	5.5	9	31	8	2	2	2	12.5
16	17	24	16	**35**	21	16	5	2	2.5	6.5	3	10.9
27	31	**38**	27	20	9	5	10	7	7	2	1.5	12
23	15	10	11	14	11	**25**	12	9.5	10.5	13	7	10.6
10	**16.5**	7.5	11	5	2	4.5	2	1	3.5	6	5	4.6
18	8.5	5.5	2	2.5	1	3.5	**2**	3	2	1	0	4.3
15	14	12	13	11	4.5	4	1.5	3.5	.5	1.5	3.5	6.5
21	13.5	6.5	9.5	5	19.5	33	**39**	24	17	22	18	11
26	34	26	21	5.5	18.5	28	22	14.5	5.5	6.5	3	**17.8**
11	10.5	10.5	15	4	3.5	9	19	13.5	14	22.5	19.5	11.2
13.2	**14**	13.6	12.5	10.6	9.6	8.9	9.1	6.6	6.2	6.7	5.6	7.7

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW	W.	WNW.	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1		1	4			3	1	2			2	5	1				5	209.5	4.1	0.7
2	1	2	3	1	2	3	3				3	3					3	210.5	3.9	16.6
3				7		3	2	2	1		2	3	1				3	191	2.6	20.5
4	1		2	3	1		1			1	1	3	2	2			7	141	1	7.3
5					1	2	6	2	1	1		5					6	189.5	3.4	.3
6				1	4	1	1	5	4	2	1						5	150.5	4.1	6
7	2	1	2	1	1				1		3	1	1	5	1	1	4	187.5	2.3	13.1
8	1	1	1		2	1	1	1		1		2	1	3			9	87.5	1.3	8.7
9			5	3	1		1					1		3			10	72.5	1.5	1.3
10			3		2	3	7	1	1								7	156.5	3.6	
11				2	1	1	7	4			1						8	130.5	3.7	
12	2	6											1	7	1	1	6	147	3.6	
13		2	2	1			3						7	1		1	7	101.5	2.3	.8
14		4	2	1	1		3	2	2	3	1			2	1		2	180.5	3.3	
15	3	1	3	2			1	1	2	3	1			3		1	3	183	4.7	
16	7	3	1	4						1		1	2				5	186	2.3	.3
17	3	1		3			2	1					2			1	11	79	1.5	.5
18	8	5		1	1									1		3	5	164.5	.8	5.7
19		4	3	1		2	3	2	1	2	1						5	150	1.1	9.3
20					1	4	4	3	1	2	1		1				7	118	1.2	23.8
21							4	3	6	4	4	2					1	297	0	29.8
22							2	4	8	6	2						2	300	.7	19.5
23								11	2	7	1	1					2	262	1.9	13.4
24			2	1			1	6	1	2	3	5	1				2	287.5	2.9	8.6
25		4					1	1	1	4	2	6	2	1		1	1	253.5	3.2	1
26				1			4	2		5	4	1					7	111	3.2	
27		1	1	2		1	1	4				1		1	2	1	9	104	1.5	25.9
28	5	4		1	3	1									2	2	6	156	.9	6.7
29	1					1		1	3	4	1	4	2				7	265	.4	89.1
30								1	2	6	8	6					1	**427.5**	**0**	62.5
31				1				8	4	4	2	1		2			2	269.5	**0**	**157.6**
Total	34	40	34	37	21	26	59	67	41	58	44	51	24	31	7	12	158	5,769	67	529
Mean	1.1	1.3	1.1	1.2	0.7	0.8	1.9	2.2	1.3	1.9	1.4	1.6	0.8	1	**0.2**	0.4	**5.1**	186.1	2.2	17.1

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°C.		*Per cent.*	*mm.*	*mm.*		°C.		*Per cent.*	*mm.*
1	759.40	11.50p.	34.7	1.45p.	93	**25.3**	755.75	4.55p.	24.6	10.45p.	57	20.5
2	59.10	0.05a.	**35.2**	2.45p.	94	24.6	55.65	3.55p.	24.5	6.05p.	56	20.1
3	59.75	11.30p.	33.2	11.55a.	98	24.6	56.65	3.25p.	23	8.15p.	61	21.1
4	**60.05**	9.40p.	32	1.20p.	97	24.4	**57.50**	3.35p.	24	5.15a.	74	**21.9**
5	59.60	0.05a.	33.6	0.55p.	96	23.7	57.35	3.40p.	24	5.35a.	62	21.2
6	59.10	0.05a.	**35.2**	3.55p.	98	24.3	55.70	3.45p.	24	5.00a.	**54**	20.8
7	58.80	0.05a.	33.6	3.20p.	95	24.4	55.30	4.25p.	23.5	11.20p.	62	20.1
8	58.45	8.05a.	31.7	0.05p.	95	23.2	55.98	4.00p.	**22.7**	0.35a.	67	20.3
9	58.20	10.55p.	31.2	0.15p.	97	23.3	56.30	3.50p.	24.2	5.55a.	69	20.4
10	59.35	10.25p.	33.6	0.55p.	97	22.9	56.45	1.20p.	24	5.45a.	58	20.2
11	59.70	10.20p.	34.2	0.40p.	93	23.4	56.80	3.10p.	**24.7**	2.35a.	58	20.8
12	59.15	10.20p.	33.9	4.45p.	**92**	22.8	55.95	4.05p.	23.7	5.45a.	61.5	19.6
13	58.70	9.35a.	32.9	2.30p.	93	23.5	55.85	4.15p.	23.4	5.20a.	71	19.6
14	58.70	11.50p.	33.8	2.30p.	**92**	24	56.50	4.05p.	24.5	5.05a.	68	21.2
15	59.25	9.50p.	34	4.25p.	93	23.1	55.85	3.10p.	23.6	5.30a.	60	19.7
16	59.15	8.55a.	32.7	11.55a.	**92**	23.3	57.12	4.00p.	24.1	12 m.n.	67	**18.9**
17	58.65	10.10a.	30	1.45p.	97	23.1	56.25	4.25p.	23.1	5.25a.	75	20.3
18	58.05	0.05a.	29.7	1.35p.	97	23.6	54.70	4.30p.	23.6	5.20a.	77	20.4
19	55.80	10.20p.	31.7	1.40p.	96	23.4	**53.40**	3.35p.	24	5.50a.	73	21.5
20	**55.50**	10.25p.	32.5	1.15p.	97	24.9	53.60	4.05p.	23.9	5.30a.	73	21.4
21	56.50	11.30p.	29	2.20p.	94	23.3	54	1.15p.	24.3	4.50a.	79	21.3
22	56.79	9.00a.	29.9	0.20p.	96	23.3	55.25	3.45p.	23.9	3.10a.	80	20.5
23	58.05	10.20p.	31.8	11.10a.	**92**	23.2	54.95	3.05p.	23.9	0.35a.	71	20.5
24	58.45	11.15p.	32.1	10.50a.	94	22.6	55.95	4.35a.	23.7	2.55a.	66	20.2
25	59.65	10.15p.	31.9	2.55p.	95	22.9	56.60	3.20p.	23.6	5.35a.	65	20.1
26	59.10	10.25p.	32.5	1.05p.	93	23.1	56.50	5.05p.	23	4.55a.	66	19.1
27	57.90	0.05a.	32.4	0.40p.	96	22.9	55.10	4.15p.	24	5.50a.	67	21
28	56.95	9.45p.	28.9	3.55p.	97	22.6	54.38	4.00p.	23.7	5.30a.	75	20.4
29	58.50	11.00p.	29.7	11.45a.	97	23.2	55.55	5.25a.	23	7.15p.	77	21.1
30	58.60	9.40a.	**26.1**	4.05p.	96	**22.1**	56.25	4.35p.	23.2	11.55p.	**89**	19.8
31	58.60	9.55a.	26.4	9.55a.	**99**	23	54.30	6.30p.	22.8	4.10a.	87	19.7
Mean	758.50	-------	31.9	-------	95.2	23.5	755.73	-------	23.7	-------	68.6	20.4

DAILY GENERAL REMARKS.

1---- E, d in the evening; ●° at night.
2---- ●, various points in the evening.
3---- ● in the afternoon and night; various points in the evening.
4---- d, coloration of clouds early in the morning; $\frown^2$, local ^{2}, ● in the evening.
5---- d, p°, E, NE in the afternoon; $\frown$, SE in the evening.
6---- ⊤° SSE, N, ● in the evening.
7---- ⊤ NE, S and W, local thundershowers in the afternoon; ● at night.
8---- ●, ° NE quadrant in the afternoon; ●° at night.
9---- d° in the early morning and afternoon.
10---- ○ in the morning; various points in the afternoon.
11---- Overcast.
12---- NE quadrant, NNW in the evening.
13---- SE quadrant, $\frown$, ● in the afternoon.
14---- NE quadrant in the afternoon.
15---- N in the evening.
16---- Convergence of Cirrus toward W early in the morning; N quadrant, ● in the afternoon.
17---- d° in the afternoon; ●° at night.
18---- Frequent d or ● especially in the early morning.
19---- d in the morning; ⊤ NE quadrant in the afternoon; ⊤ SE quadrant in the evening; ● at night.
20---- Convergence of Cirrus toward NNE in the morning; ⊕ in the afternoon; ● in the afternoon and night.
21---- Rainy weather with some gusty SW winds of 20 meters per second in the afternoon.
22---- Somewhat rainy weather with some gusty SWly winds in the afternoon and evening.
23---- Gusty SWly winds in the afternoon; ● in the afternoon and at night.
24---- Gusty SWly winds in the forenoon and afternoon; ● at night.
25---- ●°, convergence of Cirrus toward NNE in the morning; d° in the afternoon.
26---- S quadrant in the evening.
27---- ● in the afternoon and at night.
28---- ● in the morning and evening.
29---- Rainy weather, especially in the evening with gusty SWly winds.
30---- As yesterday.
31---- NW quadrant in the morning; rainy weather, especially in the afternoon with gusty SWly winds.

OBSERVATIONS FOR AUGUST, 1912.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	55.30	54.90	54.65	**54.30**	**54.30**	54.78	55.16	55.61	55.66	55.53	**56.24**	55.53
2	**55.30**	55.55	55.40	55.40	55.45	55.79	56.02	56.54	57.01	57.89	58.02	57.92
3	57.55	57	56.60	**56.50**	**56.50**	57.10	57.49	58.09	58.11	58.15	57.92	57.54
4	58.35	58.05	57.35	57.75	57.85	58.12	58.02	58.05	58.37	58.40	58.04	57.71
5	58.10	57.55	57.30	57.05	57	56.99	57.41	57.82	57.84	57.69	57.59	57.18
6	58.20	58.25	58.05	58	57.95	58.11	58.71	59.10	59.29	59.28	59.03	58.79
7	58.80	58.50	58.40	58.60	58.75	59.13	59.57	59.74	**60.14**	59.87	59.70	59.16
8	58.85	58.45	58.45	58.05	58	58.23	58.86	58.89	**59.19**	**59.19**	58.94	58.48
9	57.85	57.15	56.95	56.90	56.95	57.08	57.53	57.95	58.19	57.95	57.85	57.44
10	57.80	57.20	57.20	57.15	57.25	57.49	57.99	58.48	58.85	58.73	58.50	57.97
11	**58.35**	57.70	57.05	56.90	57.10	59.39	57.75	58.01	58.11	58.26	58.12	57.35
12	57.05	56.50	56.15	55.95	56.15	56.29	56.74	56.90	**57.13**	56.95	56.75	56.27
13	55.60	55.10	54.55	54.45	54.50	54.83	55.20	55.58	55.84	55.97	55.87	55.56
14	55.70	55.35	55.35	55.35	55.75	55.81	56.41	56.58	56.80	56.92	56.70	56.54
15	57.55	57.30	57.30	57.25	57.30	57.71	58.21	58.61	58.33	58.26	58.19	57.73
16	58.40	58.10	57.85	57.95	58.05	58.06	58.46	58.96	**59.07**	58.95	58.93	58.17
17	57.60	57.05	57.05	57.10	57.20	57.19	57.73	58.20	**58.37**	58.18	57.99	57.38
18	56.80	56.50	56.35	56.40	56.40	56.90	57.35	57.68	57.72	57.75	**57.81**	57.24
19	56.90	56.75	56.60	56.55	56.55	56.60	57.04	57.38	57.70	57.63	57.25	56.77
20	57.25	56.80	56.60	56.65	57.10	57.21	57.60	58.04	57.95	57.63	57.46	56.88
21	57.35	57	56.85	56.65	56.70	56.85	57.70	58.26	**58.47**	58.35	58.33	57.83
22	57.60	57.45	57.20	57.25	57.35	57.54	57.81	58.44	**58.49**	58.47	58.22	57.67
23	57.25	56.90	56.65	56.20	56.35	56.46	56.86	57.52	**57.69**	57.49	56.99	56.48
24	57.05	56.80	56.20	56.55	56.70	57.25	57.85	58.10	58.19	**58.44**	58.07	57.68
25	57.35	56.70	56.60	56.55	56.85	56.91	57.49	57.80	**58.08**	57.79	57.62	57.12
26	55.95	55.25	54.80	54.55	54.65	55.04	55.27	**55.69**	55.44	55.14	55.10	54.70
27	54.50	54	53.70	53.40	52.80	53.23	53.58	**54.02**	**54.02**	**54.02**	53.75	53.62
28	53.30	52.75	52.65	**52.40**	52.65	52.81	53.21	53.39	53.54	53.50	53.84	53.50
29	54.50	54.45	54.10	54	53.90	54.15	54.95	55.45	55.10	55.06	55.04	54.54
30	55.55	55.55	55.05	55.20	55.10	55.46	55.96	56.37	**56.57**	56.37	56.13	55.89
31	54.80	54.35	53.95	53.80	53.85	54.02	54.36	54.74	54.58	54.70	**54.80**	54.14
Mean	56.85	56.48	56.22	56.15	56.23	56.47	56.91	57.29	57.41	57.37	57.25	56.80

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	24.3	24.6	25.1	25.8	24.6	**24.1**	24.6	25	25	26	**24.1**	25.2
2	24.5	24.5	24.5	24.5	24.6	24.4	**23.8**	25.3	25	24.4	24.9	24.9
3	24.6	24.5	24.3	24.2	23.9	24	25.8	27.5	29	27.4	28.7	28.3
4	24	24.2	24.4	24.1	24.1	**23.9**	24.4	25.2	25.8	25.7	26.3	26.9
5	24.9	24.5	24.1	23.9	23.8	**23.7**	26.1	27.7	29	29.2	29.2	30
6	26.1	25.8	25.7	25.3	24.7	**24.6**	26.3	27.4	28.2	29.5	29.5	**30**
7	24.6	24.2	**24**	**24**	**24**	**24**	25.8	27.7	28.4	29.4	29.2	29.6
8	24.2	**24**	24.2	**24**	**24**	**24**	24.7	26.5	27.5	27.5	29	29.8
9	25.2	24.8	24.6	24.3	24.1	24.1	25.9	26.6	26.9	29.3	29.7	**30.5**
10	24.6	24.5	24.8	24.8	24.5	24.9	24.8	25.3	24.4	25.3	27.4	28
11	24.3	24.2	23.8	23.4	**23.3**	23.4	24.4	25.8	27.8	28.4	28.8	29
12	24.5	24.5	24.5	**24.2**	24.3	**24.2**	24.3	24.5	25.7	26.7	27.9	28.7
13	24.4	24.3	24	23.7	**23.5**	23.7	24.4	24.3	24.6	24.8	25.3	25.9
14	25	24.9	25	25.6	25.5	25.1	26.2	27.1	27.7	28.4	28	28.6
15	24.7	24.6	24.1	**23.9**	24	24	25.6	26.6	26.7	28.1	28.6	**29.3**
16	25.5	24.6	24.4	24.3	24.3	**24.2**	25.9	27.2	27.8	28.7	29.5	29.7
17	26.3	25.7	25.9	26	25.4	**25.1**	26.3	27.1	26.7	28.2	29.6	**29.9**
18	25	25	**24.9**	25.2	**24.9**	**24.9**	26.1	27.2	26.6	27.8	29.3	29.9
19	25	25.1	25.1	25	**24.9**	**24.9**	26	26.6	27.9	28.8	29.4	30
20	25.3	25.8	25.4	26.2	**25.1**	25.3	26.1	26.5	27.6	29	29.7	29.8
21	25.5	25.3	25.2	25.5	25.2	25.1	**24.6**	24.9	26.2	28	28.5	28.4
22	25.3	**25**	25.4	25.6	25.2	25.6	26.6	26.5	28.7	28.7	29.3	29.9
23	25.4	25.3	24.8	**24.5**	24.9	24.9	26.3	27.1	27.9	29.7	30	29.9
24	25.3	25.3	25.4	25.3	**25.2**	25.4	25.5	27.1	27.4	27.1	28.9	28.6
25	26.4	26.5	26.5	25.8	25.5	25	25.6	27.5	26	28.3	**29.3**	25.5
26	24.8	24.7	25.1	25.3	25.6	25.7	26.4	27	**29.9**	28.4	26.5	25.9
27	25.9	25	25.1	24.8	**24.3**	**24.3**	25.4	25.8	26.7	**29.1**	28.3	28.3
28	**24.9**	25.6	25.6	25.7	25.6	25	25.8	26.8	27	**27.4**	26.2	25.7
29	25.4	25.6	**25.3**	26.3	26.1	26.3	26.5	26	26.2	27.1	28	28.2
30	25.2	25	**24.4**	25.2	25.3	25	26	25.3	25.5	26.2	27.6	28.8
31	27.1	26.8	26.5	27.2	27.2	27.2	27.2	27.5	**28**	26.9	25.4	26.8
Mean	25.1	25	24.9	25	24.8	**24.7**	25.6	26.4	27	27.7	28.1	28.4

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
55.02	54.75	54.81	54.77	54.95	54.81	55.08	55.40	55.65	55.80	55.85	55.65	55.19
57.42	57.10	56.44	56.36	56.34	56.86	57.32	57.65	58.05	**58.25**	58.15	57.70	56.83
57.12	56.84	56.93	57.07	57.41	58.42	58.63	58.40	58.45	58.85	**59.10**	58.70	57.69
57.48	57.19	56.90	**56.72**	56.95	57.32	57.90	58.10	58.50	**58.60**	58.50	58.35	57.86
57.14	56.62	56.51	**56.47**	56.48	56.73	57.57	58.15	58.45	**58.90**	58.85	58.70	57.50
58.39	58.19	57.99	57.94	**57.78**	58.49	58.66	59.20	59.70	**59.75**	59.70	59.20	58.66
58.58	58.35	58.04	**57.77**	58.05	58.24	58.69	58.95	59.45	59.75	59.55	59.25	**58.96**
57.44	56.89	56.55	**56.17**	56.44	57	57.30	57.75	58.20	58.60	58.70	58.40	58.04
56.72	**56.47**	56.82	56.57	56.57	57.07	57.12	57.70	57.80	58.10	**58.50**	57.95	57.38
57.29	56.63	**56.16**	56.35	56.54	57.11	57.60	58.20	59.10	**59.40**	59.30	58.80	57.80
56.91	56.38	55.92	**55.90**	56.01	56.44	56.85	57.35	57.25	57.75	57.75	**57.35**	57.25
55.54	55.02	54.52	**54.47**	54.59	55.13	55.52	55.80	56.45	56.75	56.55	56.20	56.06
55.07	54.55	54.36	**54.12**	54.30	54.96	55.20	55.85	56.20	**56.50**	56.40	56.15	55.28
56.17	55.77	55.38	**55.22**	55.43	56.12	56.92	57.60	58.10	**58.35**	58.20	57.65	56.42
57.47	57.30	57.09	56.87	**56.80**	57.44	57.80	58.45	**58.75**	58.65	58.60	58.50	57.81
57.47	56.95	56.50	**56.38**	56.58	57.01	57.50	57.70	57.75	58.05	58	57.85	57.86
57.08	56.42	56.24	**56.06**	56.16	56.73	56.99	57.25	57.40	57.80	57.35	57.10	57.23
56.69	56.06	55.71	55.72	**55.68**	56.22	56.60	57.15	57.35	57.60	57.50	57.45	56.86
56.11	55.65	**55.39**	55.40	55.57	56.04	56.58	57.20	57.80	**57.90**	57.85	57.45	56.78
56.38	56.05	55.94	**55.64**	55.96	56.83	57.24	57.90	58.30	58.50	**58.60**	58.30	57.20
57.11	57.09	56.12	**55.82**	56.63	56.80	57.12	57.50	57.95	58.25	58.05	57.80	57.36
57.03	56.57	56.22	**56.18**	56.32	56.47	56.98	57.35	57.75	58.05	57.85	57.60	57.41
56.07	55.46	55.37	**55.12**	55.37	55.86	56.28	56.70	57.05	57.35	57.35	57.15	56.58
57.14	56.59	56.26	**56.17**	56.24	56.77	57.25	57.60	58.10	58.20	58.25	58	57.31
56.58	56.02	55.80	**55.79**	56.29	56.08	56.15	56.65	57.05	57.15	56.80	56.40	56.82
54.40	53.86	53.62	**53.61**	53.76	53.95	54.45	54.80	55	55.05	55.20	54.80	54.75
52.79	52.58	52.08	**51.83**	51.93	52.26	52.75	53.40	53.70	53.90	53.85	53.70	**53.31**
52.94	52.86	52.61	52.70	53.06	53.24	53.66	54.40	54.55	**54.85**	**54.85**	54.75	53.42
54.36	**53.68**	53.92	53.91	54.27	54.52	55.12	55.25	55.85	56.15	**56.25**	56.20	54.78
55.58	55.33	54.84	**54.61**	54.76	55.01	55.75	55.85	56	55.95	55.85	55.35	55.59
53.60	53.10	52.93	**52.33**	53.40	53.74	54	54.40	54.40	54.50	54.60	54.20	54.05
56.29	55.88	55.61	**55.49**	55.70	56.12	56.53	56.96	57.29	**57.52**	57.48	57.18	56.65

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
25.5	26.4	**26.5**	24.5	25	24.8	24.4	24.6	24.6	24.5	24.6	25.2	**25**
24.6	25.7	25.8	**26.2**	26	25.6	25.2	26	25.3	25.5	25.3	25.3	25.1
29.9	**30.7**	29.2	26.7	24.8	**23.8**	24.1	23.9	**23.8**	24.3	24.3	24.1	25.9
27.6	28	**29.2**	27.7	27.4	26.7	25.9	26	26	25.9	25.5	25.1	25.8
30.6	**31**	29.7	29.8	29.3	28.3	27.6	27.6	25	25.1	26	26.2	27.2
30	28.3	28.8	29	28.3	27.8	27.2	27.3	27.2	26.4	25.8	25	27.3
30.4	29.7	28.4	28.6	27.5	27	27	27	25.6	24.7	24.8	24.8	26.7
30.3	**30.5**	30.2	29.4	28.2	28	27.8	27.2	26.2	26	26	26	26.9
30.5	29.5	27.8	27.6	24.8	25	26.5	24.9	25	24.9	24	**23.8**	26.3
28.9	28.7	**29**	28.3	27.5	27.1	26.5	24.9	**23.9**	24.1	24	24.1	25.8
28.9	**29.7**	29.2	26	26.5	26.7	26.5	25.9	26.1	26.2	26	24.7	26.2
28.8	27.2	26.8	27.5	26.5	26.3	25.3	25.6	25.1	25	24.8	24.5	25.7
26.6	26	26.3	26.4	26.4	25.8	26.1	25.9	25.8	25.7	26.2	26.1	25.3
28.7	**29.3**	28.5	27.8	28.3	25.4	25.5	25.3	25.2	25	**24.6**	25	26.5
29.3	28.7	28.6	28.5	28.1	27.2	27.1	26.3	26.3	26.3	26.3	26.2	26.6
29.9	29.7	28.2	28.3	27.8	27.3	27.1	26.9	26.8	26.7	26.2	25.8	27
29.6	27.6	27.8	28.1	27.6	26.7	26.7	26.7	26.8	26.6	26.5	25.3	27
30.4	30.1	**30.5**	29	29.2	27.5	27.5	27.5	27.4	25.7	25.3	25.1	27.2
30.7	30.5	30.3	29.8	28.1	27.7	27.3	27.6	27.2	26.7	26.1	25.7	27.4
30.4	30	30.2	29.7	28.7	27.9	27.7	27.4	27.2	26.8	26.4	26	**27.5**
30	29.8	28.4	29	29.1	27.5	27.2	26.8	27.1	26.5	26.3	25.6	26.9
30.1	**30.2**	29.5	28.2	28	27.1	26.9	26.8	26.7	26.6	25.8	25.4	27.2
30.1	29.8	**30.1**	29.9	27.9	27.5	27.5	27.3	26.6	26.6	26.2	25.7	27.3
29.4	28.6	27.6	26.8	27	25.8	25.8	26.7	26.7	26.8	26.8	26.6	26.7
28.7	27.8	26.6	26.3	26.3	25.9	26.2	25.8	24.9	**24.7**	24.8	25	26.3
24.3	24.5	24.8	25.3	25.2	25.3	25.3	25.1	25.3	25.6	25.2	25.7	25.7
28.1	27	27.4	25.8	26.7	26.7	25.7	25.8	25	25.2	25.7	26	26.2
26.9	26	26.8	25.5	26.3	26.3	26.9	26.1	25.7	26	25.8	26	26.1
28	**28.5**	25.6	26.8	26.7	27	25.7	26.1	26	26.5	**25.3**	26	26.5
28.9	28.7	26.9	27.7	27.8	27.7	27.5	27.4	26.7	26.3	26.5	26.6	26.6
26.8	26.2	24.9	25.1	24.9	24.7	24.6	**24.5**	24.6	24.7	24.7	**24.5**	26
28.8	28.5	28.1	27.6	27.2	26.6	26.4	26.2	25.9	25.7	25.5	25.4	26.4

RELATIVE HUMIDITY (%).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	97	**98**	92	88	97	95	97	95	95	89	97	94
2	95	94	96	**97**	96	95	96	89	93	92	92	93
3	**97**	96	**97**	**97**	**97**	**97**	90	81	**74**	85	76	79
4	**97**	95	91	94	96	96	95	89	88	88	85.5	82
5	91	87	89	86	85	85	82	79	74	75	74	67
6	82	84	84	86	90	88	84	81	77	**70**	72	**70**
7	92	91	91	91	91	91	88	82	74	73	73	72
8	**92**	**92**	**92**	**92**	**92**	**92**	**92**	88	80	78.5	75	74
9	92	92	92	93	91	91	86	87	85	78	73	70
10	**97**	**97**	94	93	91.5	94	96	91	94	88	81	79
11	95	95	96	**97**	96	95	93	88	81	74	**71**	72
12	**96**	95	94	93	94	92	92	**96**	93	88	81	**75**
13	95	95	94	95	**96**	94	93	95	92	94	91	88.5
14	92	91	90	86	87	89	85	83	82	81	81	78
15	92	93	93	**94**	**94**	92	88	87	86	79	74	**72**
16	88	92	**93**	**93**	92	92	88	84	83	80	79	78
17	90	92	92	91	**96**	**96**	93	88	88	80	77	**76**
18	**97**	95	96	95	96	96	94	89	90	84	79	**72**
19	**92**	91	91	**92**	**92**	91	87	84	79	76	77	72
20	93	92	93	90	**95**	**95**	94	94	86	76	74	77
21	90	89	91	91	94	94	95	**97**	92	83	78	82
22	**93**	92	92	92	92.5	87	84	92	79	78	75	**71**
23	92	92	91	93	**95**	91	85.5	83	82	73	**71**	73
24	92	**93**	90	90	88	87	90	84	82	85	76	77
25	86	83	87	89	92	**93**	**93**	84	85	80	**74**	89
26	92	91	90	88	86	85	82	86	**68**	80	89	91
27	86	**92**	90	89	91	90	89	90	87	77	**75**	80
28	**94**	90	88	87	89	92	88	**86**	86.5	87	92	91
29	**93**	**93**	91	89	89	88	88	90	82	86	79	**75**
30	90	95	**98**	96	95	97	89	97	88	88	86	**80**
31	88	86	86	87	87	87	86	84	**82**	86	93	88
Mean	92.2	92	91.7	91.4	**92.4**	91.8	89.8	87.8	84.1	81.7	79.7	78.6

VAPOR PRESSURE (mm).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	22	22.6	21.7	21.9	22.2	21.1	22.2	22.4	22.4	22.3	21.5	22.4
2	21.7	21.5	21.9	22.3	22	21.6	**20.9**	21.4	22	21	21.6	21.8
3	22.2	21.9	21.8	21.7	21.5	21.4	22.3	22	22	23	22.2	22.5
4	21.4	21.3	20.8	21	21.4	21.1	21.6	21.2	**21.9**	21.7	21.7	21.6
5	21.2	20	19.8	18.9	**18.6**	**18.6**	20.5	21.9	22	**22.6**	22.2	21
6	20.7	20.7	20.5	20.6	20.8	**20.3**	21.3	22.1	22	21.3	22.2	22.1
7	21.2	**20.3**	**20.3**	**20.3**	**20.3**	**20.3**	21.9	22.7	21.2	22.2	21.9	22.1
8	20.7	**20.4**	20.7	**20.4**	**20.4**	**20.4**	21.4	22.6	21.8	21.4	22.3	23.1
9	21.8	21.3	21.1	21	20.4	**20.2**	21.4	22.6	22.4	**23.5**	22.7	22.6
10	22.2	22	21.9	21.7	20.9	22	22.3	21.8	21.3	21	22.1	22.1
11	21.4	21.3	20.9	20.6	**20.3**	**20.3**	21.2	21.6	22.4	21.2	20.8	21.5
12	21.9	21.7	21.5	20.9	21.2	**20.7**	20.9	21.9	**22.9**	**22.9**	22.6	22.1
13	21.6	21.4	20.8	20.6	20.6	**20.5**	21.2	21.4	21.2	21.9	21.8	22
14	21.7	21.2	21.2	**21**	**21**	21.1	21.4	22.3	22.7	23.3	22.7	22.7
15	21.4	21.4	20.8	20.7	20.8	**20.4**	21.6	22.6	22.3	22.4	21.5	21.9
16	21.3	21.1	21.2	21	20.9	**20.7**	21.8	22.6	23.1	23.3	**24.3**	24.1
17	22.8	22.5	22.8	22.7	23.1	22.7	23.6	23.5	22.9	22.8	**23.8**	**23.8**
18	22.8	22.4	22.4	22.6	22.4	22.4	23.4	**23.8**	23.1	23.2	**23.8**	22.6
19	21.6	21.5	21.5	21.6	21.6	**21.2**	21.7	21.8	21.9	22.4	23.5	22.7
20	22.2	22.7	22.5	22.8	22.5	22.7	23.4	**24.3**	23.6	22.5	22.9	23.9
21	21.8	**21.4**	21.6	22	22.4	22.3	21.8	22.6	23.2	23.3	22.6	23.5
22	22.3	21.6	21.7	22.4	22	**21.2**	21.8	23.6	23.1	22.7	22.7	22.3
23	22.1	21.9	**21.1**	21.3	22.2	21.2	21.7	22.3	23	22.7	22.5	22.7
24	21.9	22.2	21.7	21.5	21.1	**20.9**	21.8	22.4	22.2	**22.7**	22.4	22.3
25	21.9	21.4	22.4	22	22.2	22	22.5	22.8	21.3	22.7	22.5	21.7
26	21.3	21	21.3	21	21	**20.9**	21.1	22.7	21.3	**23.1**	22.8	22.6
27	21.4	21.7	21.3	20.7	20.6	**20.3**	21.5	22.3	22.7	**23.1**	21.5	22.9
28	22	22	21.6	**21.3**	21.8	21.7	21.6	22.4	22.9	**23.7**	23.2	22.3
29	22.5	22.8	21.8	22.5	22.5	22.3	22.6	22.5	**20.8**	22.8	22.3	21.3
30	21.4	22.4	22.3	22.8	22.7	22.8	22.3	23.1	**21.3**	22.2	23.6	23.4
31	**23.5**	22.6	22	23.2	23.2	23.2	23	23	23.1	22.5	22.3	23
Mean	21.8	21.6	21.4	21.5	21.4	**21.2**	21.9	22.5	22.3	22.5	22.5	22.5

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
94	91	89	**85**	92	92	96	94	92	94	95	95	**93.5**
94	90	92	85	**84**	88	93	89	95	96	93	93	92.1
77	75	77	87	91	95	93	96	96	93	95	96	89
80	77	**73**	77	79	84	82	85	85	88	88	90	86.9
66	**62**	70	71	70	74	77	78	**95**	94	86	85	**79.2**
71	74	75	75	78	79	82	81	81	85	85	**91**	80.2
66	69	75	78	82	85	86	86.5	**95**	**95**	94	94	83.9
70	**66.5**	68	72	72	77	81	87	89.5	89	90	91	83
66	74	79	79	95	93	90	99	97	96	**100**	97	87.3
76	76	**75**	**75**	81	83	84	92	**97**	96	96	93	88.3
76	73	76	94	87	83	84	85	82	82	84	93	85.5
77	81	84	81	82.5	84	90	88	91	90	90	91	88.3
86	90	86	88	86	90	87	88	87	87	**84**	85	90.3
78	**73**	77.5	83	84	**96**	93	93	95	92	94	91	86.4
77	75	78	78	79	85	86	86	86	86	82	84	84.4
72	75	78	79	80	82	83	85	86	87	90	92	84.6
77	82	82	81	84	85	87	86	87	90	90	95	86.9
73	74	**72**	75	76	80	81	81	81	88	89	91	85.2
67	72	74	73	81	81.5	84	81	85	87	**92**	**92**	83.1
74	75	**73.5**	77	80	83	84	87	87	85	86	89	85
75	78	82	76	80	85	87	87	86	90	90	92	86.8
75	75	75	81	81	82	86	86	87	87	91	**93**	84.4
73	75	73	72	74	81	80	82	86	86	87	90	82.5
73	77	80	83	84	88	90	85	86	86	85	86	84.9
78	81	83	83	85	85	86	89	90	91	91	90	86.1
94	92	**95**	90	90	90	93	93	89	89	91	89	88.5
81	86	82	92	88	86	93	92	92	**95**	92	91	87.8
89	91	**86**	92	88	90	88	90	93	90	93	92	89.7
79	76	**93**	88	88	83	91	91	92	90	92	88	87.2
80.5	81	88	82	82	82	84	85	89	86	86	90	88.1
89	90	**95**	92	92	94	94	92	92	92	93	93	89.5
77.5	78.3	80.2	81.4	83.1	85.3	86.9	87.7	89.4	89.7	90.1	91	86.4

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
22.8	**23.3**	22.8	**19.4**	21.6	21.5	21.7	21.6	21.2	21.5	21.8	22.6	21.9
21.6	22.1	**22.7**	21.6	21	21.6	22.2	22.1	**22.7**	**20.9**	22.2	22.2	21.8
24	**24.6**	23.2	22.7	21.1	**20.8**	**20.8**	21.1	20.9	21	21.4	21.4	22
21.9	21.7	**21.9**	21.2	21.4	**21.9**	**20.4**	21.1	21.3	21.8	21.3	21.3	21.4
21.5	20.8	21.6	22.2	21.1	21.1	21.1	21.3	22.4	22.3	21.5	21.4	**21.1**
22.5	21.1	22	22.3	22.3	21.8	21.9	21.9	21.8	21.7	21.1	21.3	21.5
21.4	21.2	21.6	22.6	22.4	22.5	22.7	22.9	**23.2**	21.9	21.9	21.9	21.7
22.3	21.5	21.7	22.1	20.5	21.7	22.4	**23.2**	22.6	22.3	22.5	22.7	21.7
21.4	22.6	21.8	21.7	22.1	22	23	23.2	22.8	22.4	22.2	21.3	22
22.4	22.2	22.3	21.5	22.2	22.3	21.6	21.4	21.3	21.4	21.2	**20.8**	21.7
22.5	22.7	22.8	**23.3**	22.4	21.5	21.6	21.2	20.5	20.6	21	21.5	21.5
22.6	21.6	22	22.2	21.2	21.3	21.5	21.6	21.5	21.2	20.9	**20.7**	21.6
22.2	**22.5**	21.9	22.4	22	22.3	21.8	21.8	21.5	21.3	21.2	21.3	21.6
22.7	22.1	22.4	23.1	**24**	23.1	22.6	22.2	22.6	21.7	21.6	21.3	22.2
23.4	22.1	22.6	22.6	22.4	22.8	22.8	21.9	21.9	21.9	20.8	21.2	21.8
22.6	23.3	22.1	22.5	22.2	22.1	22.3	22.4	22.4	22.7	22.8	22.7	22.3
23.6	22.5	22.6	22.9	22.9	**22.1**	22.7	22.5	22.8	23.1	23	22.7	22.9
23.5	23.5	23.2	22.3	23	21.8	22.2	22	21.8	21.5	**21.4**	21.5	22.6
21.8	23.2	**23.6**	22.8	22.9	22.4	22.5	22.3	22.8	22.7	23	22.5	22.3
24	23.5	23.4	23.7	23.3	23.2	23.3	23.5	**23.2**	22.2	**22**	22.1	**23.1**
23.8	**24.3**	23.5	22.7	23.9	23.2	23.2	22.8	22.8	23.2	22.8	22.4	22.8
23.7	**23.8**	22.8	23	22.7	21.8	22.5	22.6	22.7	22.6	22.4	22.3	22.5
23.3	23.2	**23.3**	22.6	20.7	22.2	21.8	22.1	22.2	22.2	22	22.1	22.2
22.2	22.3	21.9	21.8	22.3	21.9	22.3	22.1	22.3	22.4	22.2	22.2	22
22.9	22.4	21.5	21.2	21.6	21.2	21.8	22	**21**	**21**	21.1	21.2	21.8
21.2	21.1	22.1	21.5	21.4	21.5	22.2	22.1	21.4	21.8	21.6	21.9	21.7
22.9	22.7	22.2	22.7	22.9	22.3	22.7	22.7	21.7	22.6	22.5	22.7	22.1
23.4	22.7	22.6	22.2	22.3	22.8	23.2	22.6	22.9	22.5	22.8	22.9	22.5
22.3	22	22.5	**23**	22.9	21.9	22.3	22.9	22.9	**23**	21.9	21.9	22.3
23.8	23.7	23.2	22.7	22.8	22.7	23	23	23.1	21.9	22.2	23.4	22.7
23.3	22.8	22.2	21.7	21.6	21.8	21.6	**21.1**	21.2	21.4	21.5	21.3	22.3
22.7	22.6	22.5	22.3	22.2	22	22.2	22.2	22.1	22	21.9	21.9	22.1

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1												
2	Ci.-S.		Ci.-S.									
3	A.-Cu.				Ci.-S.				Ci.		A.-Cu.	
4	Ci.-S.						Ci.-S.		Ci.-S.		Ci.-S.	
5	Ci.						Ci.					
6	A.-Cu.		A.-Cu.									
7	Ci.-S.				A.-Cu.	W	A.-Cu.	W			A.-Cu.	
8			A.-Cu.				A.-Cu.		Ci.-S.		Ci.-S.	
9	Ci.-S.				Ci.-S.						Ci.-S.	
10	Ci.-S.											
11	A.-Cu.		Ci.-S.	NE			Ci.-Cu.		Ci.		Ci.-S.	
12												
13												
14	A.-Cu.		A.-Cu.									
15	A.-Cu.										Ci.-S.	
16	Ci.-Cu.		A.-Cu.	NNW	A.-Cu.	NNW	A.-Cu.	NW	Ci.-S.		Ci.-S.	
17	Ci.		Ci.				Ci.-S.		Ci.-S.		Ci.-S.	
18									Ci.-Cu.	WNW	Ci.-S.	
19	A.-Cu.		A.-Cu.				Ci.					
20	A.-Cu.	NW	A.-Cu.						A.-Cu.		Ci.	
21					Ci.-S.		Ci.-S.					
22			Ci.		Ci.	ENE	Ci.	ENE	Ci.-S.		Ci.-S.	
23	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
24	Ci.-S.		Ci.-S.		Ci.-S.				Ci.-S.		Ci.-S.	
25			Ci.-S.				Ci.-S.					
26	A.-Cu.		Ci.-S.		Ci.-S.							
27							A.-Cu.				Ci.-S.	
28	Ci.-S.		Ci.-S.									
29												
30											A.-Cu.	
31	Ci.-S.										Ci.-S.	

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	N.	SWbyW	N.	SWbyW	Cu.-N.	sw, swbyw	N.	WSW	N.	WSW	Cu.-N.	
2	Cu.-N.	SWbyW	Cu.	WSW	N.		Cu.-N.		Cu.-N.	WSW	N.	WSW
3	Cu.		Cu.	WSW	Cu.	WSW	Cu.-N.	WSW	Cu.	WSW	Cu.	WSW
4	N.-cf.	SW	Fr.-N.		Cu.	SW	Cu.	SW	Cu.		Cu.	
5	Cu.		Cu.		Cu.	SW	Cu.	SW	Cu.		Cu.	
6	Cu.	WNW	Cu.	WNW	Cu.		Cu.		Cu.		Cu.	
7	Cu.		Cu.		Cu.	W	Cu.	W	Cu.	W	Cu.	
8	Cu.	W	Cu.-N.	W	N.-cf.	W	Cu.-N.	NNW	Cu.	NNW	Cu.	
9	Cu.	NNW	Cu.-N.	NNW	Cu.-N.	ENE	N.-cf.		Cu.	ENE	Cu.	
10	Cu.-N.	NW	Cu.-N.	NW	N.		N.		Cu.-N.		Cu.-N.	
11	Cu.		Cu.-N.	NbyW	Cu.	NW	Cu.		Cu.		Cu.	
12	Cu.-N.	WNW	N.	WNW	Cu.-N.	WNW	Cu.-N.		Cu.-N.	WSW	N.-cf.	
13	Fr.-N.		N.		N.		Fr.-N.		Fr.-N.	SWbyS	N.	
14	Cu.	WSW	Cu.	WSW	N.-cf.	WSW	N.-cf.	WSW	Cu.-N.		Cu.-N.	WSW
15	S.-Cu.	WbyS	Cu.-N.	WbyS	Cu.-N.	WbyS	Fr.-N.	W	S.-Cu.	W	S.-Cu.	
16	Cu.	W	Cu.	W	N.-cf.	W	Cu.	W	Cu.	W	Cu.	
17	Cu.-N.		Cu.	N, NW	Cu.-N.	NW	Cu.	W	Cu.	W	Cu.	
18	Cu.		Cu.-N.	WbyS	N.-cf.	WSW	N.-cf.		S.-Cu.		Cu.	
19	Cu.	W	Cu.-N.	W	Cu.	W	Cu.		Cu.		Cu.	
20	N.	W	Cu.		Cu.	W	Cu.	W	Cu.	W	Cu.	
21	N.		Fr.-N.		Cu.	SE	Cu.	SE	Cu.-N.	W	Cu.	
22	Cu.-N.	W	Cu.-N.	W	Cu.		Cu.		Cu.		Cu.	
23	Cu.	SE	Cu.	WSW	N.-cf.	WSW	Cu.	WSW	Cu.	WSW	Cu.	WSW
24	S.-Cu.		S.-Cu.		S.-Cu.	WSW	Fr.-N.	WSW	S.-Cu.	WSW	N.-Cf.	WSW
25	Cu.	W	Cu.		Cu.-N.	W	Cu.	WbyN	Cu.-N.	W	Cu.-N.	W
26	Cu.-N.	WSW	Cu.-N.	WSW	Cu.	WSW	Cu.	WSW	N.	W	N.	
27	Cu.-N.	SWbyW	Cu.-N.	SWbyW	N.-cf.	WSW	Cu.	WSW	N.-cf.		N.-cf.	
28	Cu.	SW	Cu.	SW	Cu.-N.	SW	Cu.-N.	SW	N.		N.	SW
29	N.	WSW	N.	WSW	Cu.-N.	SW	Cu.-N.	SW	Cu.-N.	SW	Cu.	SW
30	N.	SW	N.	SW	N.	SW	Cu.-N.	SW	Cu.-N.		N.-cf.	
31	S.-Cu.	W	Cu.-N.	WSW	Cu.-N.	WSW	Cu.-N.	W	N.	SW	Cu.-N.	

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
								A.-Cu.	W	A.-Cu.	
A.-Cu.	E	A.-Cu.	E	A.-Cu.							
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.	
		Ci.-S.		A.-Cu.	SE	Ci.-S.	NE	Ci.-S.		A.-Cu.	
A.-Cu.						Ci.-Cu.		A.-Cu.		Ci.	
A.-Cu.						Ci.-S.				Ci.-S.	
Ci.		Ci.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.		Ci.-S.		Ci.-S.							
		Ci.-S.		Ci.-S.		Ci.-S.					
Ci.		Ci.-Cu.		Ci.-Cu.							
Ci.-S.											
								A.-Cu.			
A.-Cu.				Ci.-S.		Ci.-S.		Ci.-S.			
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		A.-Cu.		A.-Cu.	
Ci.-S.		Ci.-S.	N	Ci.-S.	N	Ci.-S.		Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.	SE	Ci.-S.	SE	A.-Cu.	NE	Ci.-S.		Ci.-S.	
Ci.-Cu.		Ci.-Cu	ENE	Ci.-S.	ENE	Ci.-S.	ENE	Ci.-S.		A.-Cu.	
A.-Cu.		A.-Cu.				Ci.-S.		Ci.-S.		Ci.-Cu.	
A.-Cu.		Ci.-S.				Ci.-S.		Ci.-S.		Ci.-S.	
A.-Cu.	SW	Ci.-S.		A.-Cu.	SW			A.-Cu.	SW	Ci.-S.	
Ci.-S.		Ci.		Ci.		A.-Cu.		A.-Cu.		Ci.-S.	
Ci.-S.		Ci.-S.									
Ci.-S.		Ci.-S.				Ci.-S.					
										A.-Cu.	

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Fr.-N.		Fr.-N.	WbyS	Fr.-N.	WbyS	N.	WSW	Fr.-N.		Cu.-N.	
Fr.-N.		N.	S	N.	S	N.		S.-Cu.		Cu.-N.	
Cu.		Cu.		Cu.	WSW, SW	Cu.-N.	SW	Cu.-N.		N.	
Cu.	SW	Cu.	SW	Cu.	SW	Cu.-N.		Cu.	SW	Cu.-N.	
Cu.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.	
Cu.-N.		Cu.	W	Cu.-N.	W	Cu.-N.	W	Cu.-N.	W	Cu.-N.	
Cu.	W	Cu.-N.	W	Cu.-N.	W	Cu.-N.	W	Cu.-N.		Cu.-N.	
Cu.	NNW	Cu.	NNW	Cu.	NNW	Cu.-N.		Cu.-N.	NWbyN	Cu.-N.	
Cu.		Cu.-N.	ENE	Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	
Cu.	N	Cu.-N.	N	Cu.	N	Cu.	N	Cu.-N.		Cu.-N.	
Cu.		Cu.	WSW	Cu.	WSW	N.		Cu.-N.	W	Cu.-N.	
N.-cf.	WSW	Fr.-N.	WSW	N.	WSW	N.-cf.	WSW	Cu.-N.	WbyN	Cu.-N.	WbyN
N.-cf.	WSW	Fr.-N.	WSW	Fr.-N.	WSW	Fr.-N.	WSW	Fr.-N.		Fr.-N.	
Cu.-N.	WSW	Cu.-N.		Cu.-N.	WSW	N.-cf.	WSW	Cu.-N.	WSW	Fr.-N.	
Cu.	W	Cu.	W	N.-cf.	WbyS	Cu.	W	Cu.		Cu.-N.	WSW
Cu.	W	Cu.	W	Cu.	W	Cu.-N.	W	Cu.-N.	W	Cu.-N.	
Cu.-N.		Cu.-N.	SE	Cu.-N.	SE	S.-Cu.	WSW	Fr.-N.	WSW	Cu.-N.	
Cu.	WSW	Cu.-N.	WSW	Cu.-N.	WSW	Cu.-N.		Cu.		S.-Cu.	
Cu.		Cu.		Cu.-N.		Cu.-N.		N.		N.	
Cu.	W	Cu.	W	Cu.		Cu.		Cu.	W	Cu.	W
Cu.	W	Cu.	W	Fr.-Cu.	SE	Cu.	SE	Cu.	SE	Cu.	
Cu.		Cu.	W	Cu.-N.		S.-Cu.		S.-Cu.		S.-Cu.	SE
Cu.-N.	WSW	Cu.	WSW	Cu.	WSW	Cu.-N.	WSW	Cu.-N.	WSW	Cu.-N.	
Cu.	WSW	Cu.	WSW	N.-cf.	WSW	N.-cf.	WSW	Cu.-N.	WSW	Cu.-N.	WSW
N.-cf.	W	Fr.-N.	W	Fr.-N.		N.-cf.		Fr.-N.		Fr.-N.	
N.	W	N.	W	N.	W	Fr.-N.	W	N.		N.	
N.-cf.	WSW	N.	WSW	N.	WSW	N.	WSW	Cu.-N.	WSW	Cu.-N.	WSW
Fr.-N.	SW	Fr.-N.	SW	Fr.-N.	SW	N.	SW	Fr.-N.	SW	N.	
Cu.-N.	SW	N.	SW	N.	SW	Fr.-N.	SW	Fr.-N.	SSW	N.	
N.	WSW	Cu.-N.	WSW	Cu.-N.	WSW	Cu.-N.	WSW	N.-cf.	WSW	Cu.-N.	WSW
N.		Cu.-N.	WSW	Cu.-N.		Cu.-N.	W	Cu.-N.	W	Cu.-N.	

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	SSW	3.5	S	3.5	SWbyS	13	SWbyS	6	S	1.5	SW	6.5
2	SSE	3	SW	9	SSE	3	S	1.5	SSW	3.5	SW	6
3	Calm		Calm		ESE	.5	ESE	.5	ESE	.5	ESE	1
4	Calm		S	1	S	2.0	SE	.5	E	1	SE	1
5	Calm		Calm		Calm		S	.5	S	.5	Calm	
6	WSW	6	WbyS	6	WSW	5	WbyS	1.5	SE	1	Calm	
7	Calm		Calm		Calm		Calm		Calm		Calm	
8	Calm		N	.5	Calm		Calm		Calm		Calm	
9	SE	.5	Calm		SE	1	Calm		E	1.5	E	2
10	S	3	SW	3.5	WSW	3	SW	2.5	WSW	1.5	SW	1
11	WSW	3.5	Calm		Calm		Calm		Calm		Calm	
12	Calm		Calm		NNW	.5	SWbyS	1	NbyE	1.5	Calm	
13	SSW	5.5	SSW	3.5	S	1.5	SSE	1	SSE	1	Calm	
14	S	3.5	NW	4	W	4	W	6.5	W	4	WNW	3
15	SSW	5	SSW	1	SSE	.5	SE	.5	SSE	1	SSE	1.5
16	S	.5	Calm		Calm		Calm		Calm		Calm	
17	W	2.5	WbyN	3	WNW	2	WNW	.5	Calm		Calm	
18	Calm		Calm		Calm		Calm		Calm		Calm	
19	SE	.5	ENE	2	NNE	2	ESE	1	EbyS	1	N	2
20	SE	1.5	S	1	NE	.5	W	7.5	NW	1.5	N	1
21	SE	1	Calm		Calm		Calm		Calm		Calm	
22	Calm		SWbyS	1	S	1	SW	1	SE	1	W	3.5
23	Calm		SbyW	1	E	2.5	E	1	SW	3	SSW	2.5
24	E	1.5	SSW	4	WSW	7.5	SWbyW	6	WSW	6	WSW	6
25	W	5	WSW	5	WSW	7	NW	4	NNW	1.5	NbyW	1.5
26	SSW	6	SSW	5.5	SW	6.5	SW	5.5	SW	4	SWbyW	9.5
27	WSW	3.5	W	3	SW	3.5	SSW	2.5	SSW	1.5	SE	1.5
28	SW	4.5	SW	6	SWbyW	6	SWbyW	7	SW	4	SSW	6
29	SbyW	3	SSW	3	SWbyW	6	SW	3	SW	2.5	SW	8.5
30	SSW	4.5	S	2.5	SSE	.5	SSW	13.5	SSW	5	SW	7
31	SWbyW	6.5	SWbyW	8	SW	6	SW	6.5	SWbyW	7.5	SW	10.5
Mean		2.4		2.5		2.7		2.6		1.8		2.6

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	SbyE	4.5	SSW	2.5	SbyW	4.5	SW	21.5	SW	3	S	4.5
2	SbyE	3	S	3.5	SSE	1.5	SbyW	6.5	SbyW	1.5	S	3
3	WSW	1.5	WSW	2	WSW	6.5	WNW	8	NW	6	WNW	3
4	SE	.5	SSE	2	SWbyW	3.5	WSW	2.5	WSW	1.5	WSW	8
5	W	3.5	WSW	5	WSW	10	WbyS	2.5	WSW	4	SW	4.5
6	WSW	7	WbyN	7	WSW	8	WSW	6	SWbyW	5.5	SWbyW	3.5
7	WSW	1	WSW	4	WNW	5	SW	4.5	SW	2	SW	2
8	WSW	1	WSW	4	WSW	7	WSW	8	W	8	WNW	5.5
9	WSW	6	SW	3	SW	3	SW	3.5	E	1.5	SE	1.5
10	SW	4	SW	3.5	SW	3.5	SW	5	SW	5	SW	5.5
11	WSW	5	WSW	3	SWbyW	6	WSW	9.5	SWbyW	8	WSW	6
12	SW	3	SW	3.5	SW	2.5	SSW	3	SSW	5	SSW	4
13	SW	3.5	SW	4.5	SW	5.5	SW	5	SW	5	W	2.5
14	WSW	8	WSW	6	WSW	4.5	WSW	4.5	WSW	5	SW	6
15	W	6	WNW	4.5	WSW	3	WSW	6	W	3	WSW	.5
16	WSW	6.5	SW	6.5	SW	7	SW	7	SW	5	SW	5
17	WSW	12	SWbyW	7	SW	5	SW	8	SW	10	SW	4
18	WSW	7	SW	2	WSW	3.5	SW	5	WSW	7.5	SWbyW	6
19	WSW	3.5	WSW	5	SW	7	WSW	8	SWbyW	7	SW	6.5
20	WSW	5.5	WSW	8.5	SWbyW	7.5	SW	7.5	SW	8.5	SW	7
21	WSW	4	SW	3.5	SW	2.5	SW	2.5	SW	1.5	SW	3
22	WSW	4.5	WSW	8	SWbyW	5	SW	6.5	SW	7	SW	4
23	WSW	6.5	WSW	6	SWbyW	9	WSW	6	WSW	10	WSW	6
24	SW	8	WSW	9	SWbyW	9.5	SW	8.5	SW	6.5	SWbyS	8
25	WSW	5.5	SWbyW	9.5	WSW	13	WSW	6.5	WSW	7	SWbyS	5
26	SW	3.5	SW	5	SSW	7.5	WbyS	5	SWbyW	6	W	2.5
27	SW	7.5	SW	4	SW	6.5	SWbyW	14.5	SWbyW	6	SWbyW	5.5
28	SW	6.5	SW	10	SW	10.5	SWbyW	10.5	SW	9.5	SW	6.5
29	SW	7	SW	10	WSW	10.5	SWbyW	8	SW	10	SWbyW	14
30	SW	8	SWbyW	10	SWbyW	4	SW	12	SW	10	SW	8
31	WSW	8	WNW	6	WNW	6.5	NWbyW	5.5	WNW	3.5	WNW	.5
Mean		5.2		5.4		6.1		7		5.8		4.9

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
SWbyS	6.5	SSE	2	SSE	1.5	SSW	4	SWbyW	19.5	S	3
S	2	SWbyW	3	WbyN	3.5	WSW	7	Calm		S	1
SE	1.5	S	1.5	SSE	2	SW	1	S	3.5	Calm	
Calm		SE	.5	SE	.5	SE	.5	Calm		Calm	
Calm		Calm		Calm		W	3	WSW	3	WNW	2
Calm		SbyW	.5	WSW	1	W	1	WSW	2	WSW	2.5
Calm		Calm		WNW	3	W	2.5	WSW	2.5	SW	1
NE	1.5	NE	1	Calm		W	1.5	WSW	1.5	WSW	3
NE	1	Calm		Calm		SSW	1	WSW	1.5	WSW	5
E	1	SW	5	Calm		SW	3.5	SSW	2.5	WSW	5
Calm		NNE	1.5	NbyW	4.5	NNE	.5	WNW	3.5	WSW	3.5
Calm		Calm		Calm		SSW	3	SSW	3.5	SSW	3.5
SSE	1	SSE	2.5	Calm		Calm		S	1	WSW	3.5
WSW	2	SW	2	SW	2	WSW	6	WSW	6.5	WSW	7
Calm		SE	1.5	SE	.5	Calm		Calm		WSW	2.5
Calm		Calm		Calm		WSW	2	SW	3	SW	2.5
Calm		Calm		W	3	SW	2	SW	3	WSW	6
Calm		SSW	4	SW	6.5	SWbyW	4	WSW	3.5	WSW	6
Calm		NW	.5	WNW	2	W	3.5	WSW	2.5	WSW	3
Calm		Calm		S	.5	SW	2.5	WSW	6.5	WSW	5.5
SSE	1	Calm		Calm		ESE	.5	WSW	5.5	SW	4.5
W	3.5	SW	1	Calm		S	1.5	WSW	3	WSW	4.5
SSW	3.5	S	2	S	3	SSW	3	SW	5	WSW	9.5
SWbyW	5.5	SW	3	SW	5.5	SW	2	SW	4	SW	5
NbyW	.5	Calm		WSW	6	WSW	4	WNW	4.5	WSW	11
WSW	6	SWbyW	6	WSW	5.5	WSW	5	SW	7	SW	4
SE	2	S	1	SSE	2	SSW	2	SW	3.5	SW	4.5
SSW	6.5	SSW	2.5	SSW	3.5	SW	6	SW	8	SWbyW	8
SWbyW	11.5	SWbyW	12.5	SWbyW	9	SW	9.5	SW	9	SWbyW	12
SWbyW	19.5	SWbyW	9	SW	8.5	WSW	8.5	WSW	7.5	SWbyW	9.5
SW	5	SW	7.5	SW	10	SW	11.5	SWbyW	15	WSW	9.5
	2.6		2.3		2.7		3.3		4.5		4.8

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		Midnight.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
SE	1.5	SbyW	3.5	SSE	2.5	SE	1.5	S	3.5	S	3	5.3
Calm		SSW	1	SSW	.5	SW	3	SSW	2	S	.5	2.8
W	1.5	SE	1	Calm		SSW	1.5	S	.5	Calm		1.8
WSW	5.5	WSW	2	SW	1	Calm		Calm		Calm		1.4
SW	3	SW	1	SW	3	SW	3.5	SWbyW	5.5	WSW	7	2.6
WSW	1.5	SW	1.5	SW	2	SSW	1	S	.5	Calm		2.9
SSW	1.5	SbyW	1	S	2.5	E	.5	Calm		Calm		1.4
SW	3	SW	.5	NE	1.5	Calm		NE	.5	Calm		2
WSW	2.5	WSW	1.5	W	2	SSW	.5	SW	1	SSE	.5	1.7
WSW	3	NW	5	Calm		Calm		SE	.5	SW	2	2.8
WSW	8	WbyN	5	W	5.5	W	4	WSW	2.5	Calm		3.3
SbyW	2.5	SSW	3	SSW	3.5	SbyW	4	SW	3.5	SW	6	2.4
WSW	7	SW	7.5	WSW	6	W	2.5	WSW	5.5	WSW	3	3.2
SW	5	SWbyS	5	SSW	1.5	WSW	3	SW	8	WSW	5	4.7
WSW	2.5	SWbyW	5	SW	3	SW	3	SW	3	SW	2.5	2.3
SWbyW	6	SW	5	SWbyW	3.5	S	2	S	1.5	SE	.5	2.6
SW	5	SW	3.5	SW	4.5	SWbyS	2	SWbyS	1	NNE	1	3.5
SWbyW	5.5	SWbyW	5	WbyS	2.5	N	1.5	N	1	NE	.5	3
SW	6.5	SWbyS	4.5	SSW	3	SSW	1.5	SE	1	SE	1.5	3.1
SW	5	SW	2	SSW	2.5	SW	4	S	1.5	SE	1	3.7
SW	2	SWbyS	3	SW	1.5	Calm		S	1	Calm		1.5
SW	3	SbyW	3	SbyW	3	SbyW	1	Calm		Calm		2.8
SWbyW	8	SWbyW	4.5	SSW	2	SSW	2.5	SSW	.5	SSW	.5	4.1
SWbyS	7	SW	7	SW	6	WSW	5.5	SW	5	SW	8	6
SW	8.5	SW	3	S	3.5	S	1.5	W	1.5	SW	2.5	4.9
WNW	.5	N	1	SW	4	WSW	3	SW	4	SW	6	4.9
SW	5.5	SW	8	SWbyS	5	SW	6	SW	5.5	SW	5	4.6
SW	6	SW	4.5	SW	6	SW	5	SSW	3	SSW	2.5	6.2
SW	15	SSW	4	S	2.5	SSW	3.5	SW	10.5	SW	8.5	8
SW	6	SW	5	WSW	7.5	SW	5	SW	5.5	SW	8.5	7.7
Calm		NE	.5	W	4	SWbyW	2	W	2	W	3.5	6.1
	4.4		3.5		3.1		2.4		2.6		2.5	3.7

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	20	16	19	**41**	13.5	18.5	16	12.5	7	7.5	29.5	12
2	12	16	15.5	9.5	7	16	13	13.5	8	16.5	**19.5**	4.5
3	2	2	2	3	2	5.5	4	8.5	7	6.5	12.5	4.5
4	1.5	3.5	12	2	4	3	1.5	1	1.5	1	2.5	1
5	1	0	0	1	2	1	.5	1	1	2.5	10	13.5
6	**26**	22	22	9	3.5	2.5	1.5	3.5	6.5	4.5	7.5	5.5
7	0	.5	0	0	1.5	0	.5	0	5	7.5	10.5	6.5
8	.5	2	.5	.5	0	.5	2.5	4.5	1.5	1	3.5	7
9	3	1	1	1.5	2	3.5	3	.5	0	1.5	9	12
10	6.5	10	13	9	11	1.5	1.5	4	6	4	3.5	9.5
11	7.5	8	0	.5	.5	.5	0	2	7	7	10.5	10
12	0	0	1	6	4	4	1	0	3	2.5	12	10
13	10.5	9.5	11	5.5	4.5	2.5	2.5	8.5	2.5	2	5	9
14	6	17	15.5	19	20	9.5	6.5	9	10	13	**29**	28
15	17	4	1.5	1.5	1.5	2.5	2	4	4	2	5.5	9.5
16	5.5	0	0	.5	0	0	.5	.5	.5	2	8.5	17
17	5	12	11	7	0	0	0	0	6	10	12	18
18	1	0	0	0	0	0	0	8	14	15	15.5	18.5
19	2	3.5	8.5	3.5	2.5	2	4.5	3.5	5	10	12.5	9.5
20	4	5.5	1.5	16	11	3	5.5	2.5	3	6	18	19
21	2.5	3	1.5	1	.5	2.5	8	8	.5	1.5	7	**17**
22	1	3	3	3.5	3.5	10.5	9.5	4	3.5	2.5	9	13
23	4	6.5	8	4	10	9	10	10.5	10.5	11	18	26
24	4.5	13	19	18	24	23	19	17	11	19	19.5	19
25	19.5	19.5	22	13	7	6	5.5	3.5	21	23	20	24
26	14	17	18	31	33	**35**	29	20	22	17	21	24
27	25.5	23.5	18.5	15	3.5	4	4	6	6.5	7	24.5	18.5
28	20	21	23	25	21	15	11	10	10	11	30.5	32
29	17	14	23	16	11	34	37	**46**	43	37	34.5	36
30	22.5	17.5	4	5.5	11.5	9	19.5	**37**	27.5	35	30	33
31	32	34	30.5	33.5	35	33	27	23.5	29	24.5	41	**42**
Mean	9.5	9.8	9.9	9.7	8.1	8.3	**7.9**	8.8	9.1	10	15.9	16.4

AMOUNT OF CLOUDS (0–10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
2	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
3	7	8	8	10	7	10	8	8	7	10	10	10	8.6	5 25
4	10	10	10	10	10	10	10	10	9	9	9	9	9.7	0 40
5	3	2	4	4	3	3	3	3	6	7	7	7	**4.3**	**10 25**
6	4	4	3	4	2	3	6	10	8	9	8	9	5.8	6 45
7	3	4	8	8	8	8	6	7	8	8	8	9	7.1	5 45
8	9	7	10	9	8	8	9	9	9	10	9	10	8.9	6 15
9	8	8	5	7	4	7	9	10	10	10	10	10	8.2	5 10
10	10	10	10	10	10	10	10	10	10	10	10	10	**10**	1 40
11	5	6	6	6	6	6	3	5	7	10	10	10	6.7	7 15
12	10	10	10	10	10	10	10	10	10	10	10	10	**10**	1 55
13	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
14	10	9	10	10	10	10	10	10	10	10	10	10	9.9	0 35
15	10	10	10	10	10	10	10	10	10	10	10	10	**10**	2 55
16	4	9	8	9	8	8	7	9	9	9	10	9	8.2	3 55
17	6	7	8	6	7	8	7	9	9	8	9	10	7.8	3 40
18	10	9	9	8	8	7	5	5	6	6	7	7	7.2	6 35
19	8	6	4	3	4	4	1	2	5	7	8	9	5.1	8 15
20	9	4	7	7	6	4	7	5	6	6	6	10	6.4	8 10
21	10	10	9	8	10	6	8	9	9	9	8	9	8.8	3 50
22	8	9	7	7	7	7	3	7	8	10	9	7	7.4	6 20
23	10	10	10	9	9	8	8	8	9	9	9	10	9.1	7 40
24	7	7	9	10	10	10	10	10	10	10	10	10	9.4	1 30
25	10	9	10	10	10	10	9	10	10	10	10	10	9.8	1 30
26	10	9	9	8	10	10	10	10	10	10	10	10	9.7	1 45
27	10	10	10	8	10	10	10	10	10	10	10	9	9.8	1 40
28	8	8	10	10	10	10	10	10	10	10	10	10	9.7	0 35
29	10	10	10	10	10	10	10	10	10	10	10	10	**10**	0 15
30	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
31	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
Total														110 25
Mean	8.4	8.2	8.5	8.4	8.3	8.3	**8**	8.6	8.9	9.3	9.3	**9.5**	8.6	3 34

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–mdt.	Mean.
7	6.5	12.5	26	30	10	6	7	8.5	7	18.5	12	15.1
12.5	9.5	9	14	16	7	3.5	4.5	3.5	7.5	8	6.5	10.5
8.5	14	**26.5**	18	23.5	13	12.5	4	4.5	3	4	1	8
2	3.5	11.5	15	6	19	**25**	18	6.5	1.5	0	0	5.9
13	17	24	23	17	15	13	9	15	15	24	**27**	10.2
17	22	20	19	18	18	5.5	5	10.5	7	3	0	10.8
11	**16**	**16**	11	12	8	6	5	3	2.5	1	1	**5.2**
8	12	16	**27**	20	18	14	4.5	5.5	1.5	1	2.5	6.4
15	**18**	11	7	3	2	9	8	3	2.5	5.5	3.5	**5.2**
13	16	14	21	21.5	**26.5**	23	13	8.5	1.5	1	4	10.1
16	19	**31**	27	26	30	25	25	20	16.5	10.5	7	12.8
17	19	**21**	16.5	15	17	10	9	14	14.5	15.5	17.5	9.6
14	24	23	27	26	18	24	29	**31**	14.5	11.5	18.5	13.9
29	**29**	23	20.5	14.5	24	22	16	6.5	11.5	14	22	17.3
18	19	**22**	16	15	4	8	16	15	15	10.5	8	9.2
20.5	20	24	19	**25**	21	24	19	15	11	3.5	2.5	10
31	20	26	21	30	25.5	16.5	15.5	14.5	9	5	3	12.4
22	13	8	14.5	21.5	**25**	19	19	14	6	6	1	10
11	17	25.5	**26.5**	24	23	20	17.5	12	6.5	3	4	10.7
22	25	**29**	23	23	24	19	19	14	16	8	2	13.3
11.5	15.5	11	13	14	**17**	11.5	10.5	6.5	**2.5**	3	1	7.1
16	25	**30**	23.5	21.5	19	13.5	9.5	8	5.5	2	3	10.1
26	31	30	**32**	30	28	26	20	10	8	5	1.5	15.6
30	**31.5**	30	29.5	25.5	30	22.5	28.5	26	20	19	29	22
35	**41**	36	31	28	30.5	24.5	23	8	5.5	7.5	6	19.2
27	22	21	21	20	11.5	2.5	1	9	16.5	8.5	25	19.4
13.5	22	13.5	27.5	27	25	26	20	16.5	17.5	**29**	23	17.4
30	39	36	**42**	**42**	30	26	29	30	19	21	18	24.6
37	29	33.5	37.5	34	27.5	27.5	28	11	13	19	38	**28.5**
36	29	33	34	35	35	32	26.5	24.5	28	28.5	31	26
29	20	21	23	6	5.5	1.5	2	11	8	6	10	22
19.3	20.8	22.2	**22.8**	21.6	19.6	16.7	14.9	12.4	10.1	9.7	10.6	13.5

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW.	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1							2	3	7	5	6	1						363.5	**0**	75.7
2								3	7	6	3	2		1			2	252.5	.6	43.8
3						4	2	1	3	1	1	3	1	2	1		5	192	1.9	18.4
4					1		6	1	2		1	6					7	142.5	1.8	.3
5									2		5	6	3	1			7	245.5	**4.1**	17.5
6							1		1	2	2	11	3	1			3	259	3.5	
7					1				1	2	4	3	1	2			10	**124.5**	2.9	17.5
8	1		4								2	6	2	1			8	154	2.9	.5
9			1		3		3	1		2	4	5	1				4	125.5	1.7	69.9
10					1		1		1	1	12	4			1		3	242.5	1.6	**75.9**
11	1	2										10	2	2			7	306.5	2.2	9.2
12		1								10	6					1	6	229.5	1.6	17.2
13								4	2	2	6	5	2				3	333.5	2.6	10.9
14									1	1	6	12	2	1	1			414.5	1.2	24.2
15							3	3		2	4	6	2	1			3	221.5	2.6	2.1
16							1		3		8	4					8	239.5	2.9	
17		1									11	3	2	3			4	298	2.6	.3
18	2		1							1	3	9	1				7	241	2.9	.2
19	1	1		1		2	3			2	4	6	1	1	1		1	257	3.4	1.8
20	1		1				2		3	1	7	5	1		1		2	319	3.2	9.2
21						1	1	1	1		9	2					9	170	2.2	70.1
22							1		2	3	7	5	2				4	242.5	3.1	3.6
23					2				2	8	2	9					1	375	3.4	8.9
24					1					1	14	8						527.5	3.4	3.1
25	2								2		4	10	2	1	1	1	1	460	.9	13.1
26	1									3	10	7	2	1				466	.6	31.2
27							2	1	1	3	12	4	1					417	1	11.8
28										6	14	4						591.5	.3	33
29									1	4	11	8						**683.5**	1	24.7
30								1	1	3	11	8						624.5	1.2	38.8
31			1								7	7	3	4	1		1	528	.3	23.7
Total	9	5	8	1	9	7	28	19	43	69	196	179	34	22	7	2	106	10,047	63.6	656.6
Mean	0.3	0.2	0.3	**0**	0.3	0.2	0.9	0.6	1.4	2.2	**6.3**	5.8	1.1	0.7	0.2	0.1	3.4	324.1	2.1	21.2

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		*°C.*		*Per cent.*	*mm.*	*mm.*		*°C.*		*Per cent.*	*mm.*
1	756.40	10.20p.	27.9	10.50a.	98	23.3	754.10	3.30a.	23.3	5.45a.	85	19.4
2	58.30	9.50p.	27.9	8.35a.	97	22.7	55.05	0.40a.	23.5	6.15a.	84	20.9
3	59.20	10.40p.	**32.5**	2.15p.	97	**24.6**	56.40	4.30a.	23.8	5.25a.	74	20.8
4	58.65	10.30p.	30.2	2.50p.	97	**21.9**	56.65	3.25p.	23.6	5.50a.	73	20.4
5	58.95	11.10p.	32.1	2.05p.	95	22.6	56.40	3.50p.	**22.7**	5.30a.	**62**	**18.6**
6	59.85	9.40p.	31.4	0.45p.	**91**	22.5	57.70	4.45p.	23.9	5.45a.	70	20.3
7	**60.20**	9.05a.	31.6	2.20p.	95	23.2	**57.77**	4.00p.	23.6	4.30a.	66	20.3
8	59.25	9.30a.	31.5	2.15p.	92	23.2	56.17	4.00p.	23.4	5.40a.	66.5	20.4
9	58.55	11.05p.	31.9	1.55p.	**100**	23.5	56	1.30p.	23.7	5.30a.	66	20.2
10	59.40	10.00p.	30.9	3.25p.	97	22.4	56.10	3.25p.	23.9	0.05a.	75	20.8
11	58.75	0.05a.	30.8	1.55p.	97	23.3	55.85	3.55p.	23.4	5.30a.	71	20.3
12	57.30	0.05a.	30.1	1.10p.	96	22.9	54.40	3.40p.	23.7	3.55a.	75	20.7
13	56.55	10.05p.	**27.2**	0.35p.	96	22.5	54	4.30p.	23.2	5.15a.	84	20.5
14	58.40	10.15p.	30.2	2.05p.	96	24	55.22	4.00p.	24.2	10.50p.	73	21
15	58.80	8.55p.	30.9	11.40a.	94	23.4	56.60	4.35p.	23.4	5.55a.	72	20.4
16	59.10	9.25a.	31.7	1.25p.	93	24.3	56.30	3.35p.	24	5.50a.	72	20.7
17	58.37	9.00a.	31.4	0.25p.	96	23.8	56	3.45p.	**25**	6.00a.	76	**22.1**
18	57.90	10.40a.	32	2.40p.	97	23.8	55.60	4.35p.	24.4	5.50a.	72	21.4
19	58	9.15p.	32.1	2.20p.	92	23.6	55.30	3.15p.	24.5	5.55a.	67	21.2
20	58.65	10.45p.	31.5	3.20p.	95	24.3	55.64	4.00p.	24.7	4.10a.	73.5	22
21	58.50	9.05a.	31.2	1.35p.	97	24.3	55.82	4.00p.	24	7.40a.	75	21.4
22	58.49	9.00a.	31.7	0.25p.	93	23.8	56	3.20p.	24.7	2.40a.	71	21.2
23	57.69	9.00a.	31.4	11.45a.	95	23.3	55.10	3.55p.	24.2	4.35a.	71	21.1
24	58.44	10.00a.	30.2	0.25p.	93	22.7	56.10	4.05p.	24.7	5.20a.	73	20.9
25	58.08	9.00a.	30.3	10.55a.	93	22.9	55.75	3.50p.	24.1	10.35p.	74	21
26	56.35	0.05a.	29.7	10.10a.	95	23.1	53.55	3.45p.	24	2.20a.	68	20.9
27	**54.75**	0.05a.	30.7	10.05a.	93	23.1	**51.80**	4.15p.	23.6	5.40a.	75	20.3
28	55.05	11.20p.	29.1	10.10a.	94	23.7	52.25	3.45a.	24.3	8.30p.	**86**	21.3
29	56.45	11.05p.	29.7	1.50p.	93	23	53.60	2.05p.	24.5	3.05a.	75	20.8
30	56.85	9.10a.	29.8	0.45p.	98	23.8	54.61	4.00p.	24	3.35a.	80	21.3
31	55.30	0.05a.	28.8	8.55a.	95	23.5	52.20	3.50p.	24.2	11.55p.	82	21.1
Mean	757.95	-------	30.6	-------	95.2	23.3	755.29	-------	23.9	-------	73.8	20.8

DAILY GENERAL REMARKS.

1---Squally and rainy weather; ⌈ᐸ² E, ⊤ different points in the morning, ⊤ W in the afternoon.
2---● in the morning and afternoon with somewhat gusty SWly winds.
3---p° in the morning; ● at night.
4---d in the early morning.
5---Gusty WSW winds in the afternoon; ᐸ N quadrant, ●² in the evening.
6---Somewhat gusty WSW winds in the afternoon.
7---⌈ᐸ° SE quadrant, d° in the afternoon; ●, ᐸ different points at night.
8---⌈ᐸ° NE quadrant in the evening; d at night.
9---p° in the morning, ⌈ᐸ° NE and SE quadrants; ● in the afternoon; ᐸ various points, ●² at night.
10---● in the morning, ●² at night.
11---● in the early morning, afternoon and night; ⊕, gusty WSW winds in the afternoon.
12---● in the morning and at night; d° in the afternoon; ᐸ NE in the evening.
13---● in the morning; d in the afternoon.
14---d in the early morning; ● at night.
15---● in the early morning and at night.
16---○, slight convergence of cirrus toward NE at noon; d° in the evening.
17---d in the early morning; gusty SWly winds in the afternoon.
18---d in the morning.
19---● in the early morning; ◠ in the evening.
20---◠, ● in the morning; somewhat gusty SWly winds in the afternoon, ⊤° NW, ᐸ different points in the evening.
21---●² in the morning.
22---● early in the morning; somewhat gusty SWly winds in the afternoon.
23---As yesterday.
24---● in the early morning; d° in the morning and afternoon; somewhat gusty SWly winds at intervals.
25---● in the morning and at night; d in the afternoon; gusty SWly winds at intervals.
26---Somewhat rainy and squally weather.
27---As yesterday.
28---Do.
29---Do.
30---Do.
31---⊤ NE quadrant, and WNW in the morning; somewhat rainy and squally weather.

OBSERVATIONS FOR SEPTEMBER, 1912.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	54	53.45	53.40	53.15	53.50	53.66	54.39	**54.69**	54.66	54.63	54.59	54.10
2	54.15	53.95	53.70	53.90	53.95	54.32	54.66	54.88	54.98	55.03	54.77	54.49
3	54.60	54.40	54.40	54.35	54.35	54.52	54.87	55.04	55.67	**55.79**	55.74	54.81
4	55	55.10	**54.80**	54.90	54.95	55.29	55.82	56.27	56.56	56.28	56.13	55.81
5	56.45	56.10	56.05	**55.80**	56.10	56.20	56.67	57.39	57.46	57.49	57.40	56.87
6	58.50	58.05	57.85	57.90	58.05	58.34	58.98	58.98	59.12	59.22	59	58.44
7	**59.10**	58.30	58.10	58.05	57.90	57.86	58.14	58.75	58.82	58.55	57.94	57.34
8	57.60	56.75	56.75	56.90	57.05	56.76	57.01	57.52	58.31	58.51	**58.74**	57.67
9	57.30	56.95	**56.85**	56.95	57.10	57.37	58.12	58.57	58.74	58.63	58.64	58.33
10	58.35	58	57.70	57.65	57.65	57.84	58.23	58.43	**58.74**	58.55	58.22	57.79
11	57.30	56.90	56.80	56.85	56.85	56.85	57.08	57.93	58.03	57.68	57.39	56.86
12	57.90	57.40	57.20	57.30	57.10	56.96	57.06	57.15	57.09	57.05	57.31	56.91
13	56.50	56.30	56	55.85	56.15	56.44	56.81	**57.38**	57.34	57.15	56.85	56.46
14	**55.95**	55.40	54.75	54.25	54.35	54.69	54.89	55.44	55.35	54.93	54.44	54.12
15	52.20	52.05	51.65	51.50	51.25	51.50	52.03	52.48	**52.68**	52.29	51.60	51.24
16	51.40	51.30	51.25	**51**	51.25	51.79	52.41	52.67	52.51	52.37	52.72	52.38
17	53.90	**53.55**	53.65	53.80	54.20	54.52	54.82	55.21	55.20	55.35	55.31	55.18
18	55.90	55.65	55.10	55.30	55.55	55.98	56.70	**56.99**	56.89	56.62	56.19	55.62
19	55.45	55.20	55.05	55	54.85	55.08	55.57	55.84	**56.19**	55.82	55.54	54.83
20	55.05	54.75	54.60	54.50	54.65	55.22	55.65	56.07	56.24	56.28	56.14	55.57
21	56.30	55.95	55.95	55.90	56.15	56.38	57.03	57.44	57.82	57.75	57.57	57.21
22	57.65	57.55	57.50	57.60	57.75	58.24	58.91	59.24	59.52	59.47	59.29	58.67
23	59.75	59.35	59.30	59.25	59.40	59.70	60.34	60.79	**60.81**	60.62	60.22	59.53
24	59.85	59.25	58.95	59	59.15	59.65	59.90	**60.03**	59.80	59.69	59.74	59.42
25	58.80	58.55	58.30	58.05	58.15	58.22	58.70	59.06	**59.50**	59.48	59.07	58.17
26	58.10	57.95	57.55	57.30	56.95	57.44	58.04	**58.35**	58.34	58.14	57.92	57.04
27	56.05	55.50	55.20	54.75	54.95	54.95	55.72	55.80	**56.22**	55.92	55.44	55.08
28	55.30	55.05	55	**54.75**	55.20	55.53	55.82	56.40	56.64	56.62	56.41	55.99
29	56.85	56.50	56.40	56	56	56.40	56.87	57.43	**57.91**	57.85	57.85	57.47
30	56.90	56.55	56.20	**55.85**	55.95	56.19	56.84	57.26	57.75	57.85	58.15	57.65
Mean	56.40	56.06	55.87	55.78	55.88	56.13	56.60	56.98	57.16	57.05	56.88	56.37

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	24.5	24.2	24.3	24.5	24.1	24	24	**23.7**	23.8	24.2	24.3	24.9
2	24.2	**23.8**	24.1	24.7	24.8	24.7	24.8	25.4	27	**27.4**	27	26.5
3	24.6	24.1	24.6	24.3	24.1	24	23.9	**23.8**	24.4	25.1	26.1	26.8
4	24.2	24.2	**23.8**	24.3	24.3	24.2	25	27.3	26.1	28.5	27.1	27.6
5	24.3	24.3	24.3	23.9	**23.7**	**23.7**	25.9	28	27.8	29.8	29.6	31.1
6	24.4	24.1	23.9	23.7	23.5	**23.4**	25.3	27.7	29.2	29.8	29.5	29.8
7	25.2	25.2	24.9	24.9	**24.5**	24.8	25.2	26.7	28.5	29	29.1	30.5
8	24.4	24.3	24.2	24.3	24.4	24.5	24.9	**25.5**	24.6	23.6	**23.5**	24.8
9	24.5	**24.4**	**24.4**	**24.4**	24.5	24.5	24.5	26.4	27	27.7	27.4	27.8
10	26.4	26.2	26.1	26	25.8	**25.5**	26.2	27.3	28.3	29.2	29.3	29.7
11	26.1	26.1	25.5	25.3	24.8	**24.6**	25.2	26.3	27.3	29.5	30.2	29.7
12	25.8	25.1	**25**	**25**	25.3	25.6	25.5	27.1	27.6	29.9	29.8	30.4
13	25.8	25.6	25	25	**24.7**	24.8	26	27	27.8	28.3	29.5	29.4
14	26.1	26.5	25.4	**25.1**	25.4	25.5	25.7	26.2	26.6	28	28.7	29.1
15	26.7	26.5	25.7	25.5	**25.1**	**25.1**	26.9	28	28.4	**29.4**	29.2	29.3
16	27.6	27.6	27.6	27	27.2	27.2	27.5	27.5	28.8	28.7	**30.2**	29.7
17	27.2	27	27.1	26.6	26.3	25.7	26.5	27.7	28.4	28.4	**30**	27
18	25.3	25.5	25.2	25.4	25	**24.7**	25.2	25.9	28.3	28.3	27.2	29.3
19	26.7	26.3	26	25.7	**25.2**	**25.2**	26.3	27.3	27.8	29.2	29.7	29.8
20	25	24.7	24.6	24.5	24.4	**24.3**	25.7	27.5	28.1	29.3	29.8	30.3
21	26.9	26.7	**26.3**	26.7	26.7	27	27.3	28.4	29.5	30	30.5	**31.1**
22	26.7	24.9	24.4	24	23.8	**23.6**	25.7	27.8	29.2	30.1	30.1	30.8
23	26.6	25.4	24.8	24.7	24.6	24.4	26.5	28.8	29.2	29.2	30.3	30.3
24	24	**23.8**	**23.8**	23.9	23.9	**23.8**	24.2	24.5	25.3	26.8	27.7	27.9
25	24.5	24.5	24.2	23.9	**23.8**	24	24.3	25.2	25.8	27.2	28.5	28.9
26	24.7	24.7	24.3	23.8	23.6	**23.5**	25.6	26.9	28.1	28.4	29	29.8
27	24.4	24.3	24	23.9	23.9	**23.8**	24.8	27	27.9	28.3	29	28.8
28	26.6	26.2	26.7	26.8	26.8	26.9	27.4	28.5	29.1	29.1	29.4	29.1
29	26	26	26	25.6	25.8	25.5	25.9	25.6	**25.2**	26.4	28.6	27.4
30	**27**	26.3	26.2	26.7	25.7	26.3	26.7	25.2	25.8	25.7	25.6	25.4
Mean	25.5	25.3	25.1	25	24.9	**24.8**	25.6	26.7	27.4	28.2	28.5	28.8

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
53. 61	53. 36	**53. 11**	53. 12	53. 38	53. 46	53. 45	54. 15	54. 75	**55. 10**	**55. 10**	54. 70	53. 98
54. 21	53. 69	53. 31	53. 02	**52. 87**	53. 33	54. 01	54. 65	**55**	**55**	54. 95	54. 95	54. 24
54. 41	54. 18	54. 03	**53. 68**	53. 95	54. 13	54. 63	55. 45	55. 50	55. 60	55. 45	55. 50	54. 79
55. 31	54. 94	55. 09	54. 98	55. 26	55. 42	56. 04	56. 70	57. 30	**57. 35**	57. 25	57	55. 81
56. 48	56. 12	56. 07	56. 13	56. 57	57. 14	58. 24	58. 90	**59. 35**	**59. 35**	59. 20	58. 95	57. 19
57. 68	57. 16	56. 65	**56. 46**	57. 17	57. 81	58. 34	58. 35	59. 65	**59. 95**	59. 80	59. 70	58. 38
56. 29	55. 46	56. 12	**55. 21**	56. 28	56. 94	57	57. 90	57. 85	58. 15	58. 30	58. 35	57. 61
56. 85	56. 30	**56. 08**	**56. 08**	56. 41	56. 91	56. 93	57. 55	57. 75	58	57. 80	57. 60	57. 24
57. 47	57. 14	57. 08	57. 12	57. 32	57. 94	58. 05	58. 50	59. 10	**59. 20**	59	58. 65	57. 92
56. 97	56. 40	**56. 05**	56. 17	56. 15	56. 69	57. 15	57. 65	58. 10	58. 15	58. 05	57. 90	57. 61
56. 34	55. 88	**55. 45**	55. 63	55. 69	55. 94	56. 42	56. 95	57. 55	**58. 05**	57. 90	57. 60	56. 91
56. 24	55. 95	55. 75	**55. 67**	55. 81	56. 49	56. 94	57. 15	57. 80	**58**	57. 60	57. 10	56. 96
55. 50	55	54. 52	**54. 43**	54. 68	55. 37	55. 71	56. 10	57	56. 90	56. 65	56. 40	56. 15
53. 27	52. 53	52. 37	**51. 99**	52. 40	52. 49	52. 82	53. 50	53. 60	53. 50	53. 10	52. 85	53. 87
51. 32	50. 63	**49. 67**	50. 16	50. 11	50. 20	50. 68	51. 25	51. 50	51. 70	51. 70	51. 75	**51. 38**
51. 99	51. 64	51. 35	51. 70	52. 12	52. 37	52. 95	53. 05	53. 55	54	**54. 10**	54	52. 33
54. 89	54. 78	54. 43	54. 39	54. 50	55. 14	55. 59	56. 30	56. 40	**56. 60**	**56. 60**	56. 30	55. 03
55. 04	54. 64	54. 29	**54. 24**	54. 62	55. 39	55. 69	55. 95	56. 65	56. 55	56. 35	56. 05	55. 75
54. 43	53. 93	53. 75	**53. 57**	53. 75	54. 16	54. 55	55. 15	**55. 80**	56	55. 85	55. 60	55. 04
54. 83	**54. 17**	54. 29	54. 31	54. 98	55. 22	55. 67	56. 35	57. 05	**57. 40**	57. 30	56. 95	55. 55
56. 51	55. 85	**55. 77**	55. 85	56. 10	56. 71	57. 10	57. 50	58. 30	**58. 45**	**58. 45**	58. 05	56. 92
58. 16	57. 65	**57. 35**	57. 47	57. 81	58. 35	58. 85	59. 50	60	**60. 20**	60. 05	60	58. 62
58. 73	58. 20	**57. 91**	58. 26	58. 60	58. 93	59. 79	60. 60	60. 80	60. 55	60. 20	60. 10	**59. 66**
58. 62	57. 80	**57. 45**	57. 46	57. 58	58. 14	58. 62	59	59. 55	59. 50	59. 40	59. 10	59. 03
57. 52	57. 01	**56. 57**	56. 67	56. 80	57. 44	57. 80	58. 30	58. 60	59	59. 10	58. 60	58. 23
56. 39	55. 64	55. 30	**55. 12**	55. 50	55. 99	56. 48	56. 95	57. 35	57. 15	56. 90	56. 60	57. 02
54. 07	53. 82	53. 80	**53. 76**	54. 38	54. 34	54. 81	55. 18	55. 58	55. 85	55. 95	55. 55	55. 11
55. 36	55. 08	54. 96	55. 01	55. 35	55. 89	56. 37	57. 10	57. 35	**57. 40**	57. 35	57. 30	55. 97
56. 78	56. 24	**55. 95**	56	56. 07	56. 30	56. 40	57	57. 40	57. 40	57. 25	57. 15	56. 82
57. 11	56. 84	56. 61	56. 50	56. 65	57. 32	57. 81	58. 10	58. 35	**58. 65**	58. 60	58. 30	57. 25
55. 75	55. 27	55. 04	**55. 01**	55. 30	55. 73	56. 16	56. 69	57. 15	**57. 29**	57. 18	56. 96	56. 28

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
24. 6	**25. 5**	24. 9	25. 1	25. 2	25. 1	**25. 5**	25. 4	25. 2	25. 1	25	25. 2	24. 7
26. 1	25. 2	25. 4	25. 5	25. 6	25. 4	25. 4	24. 8	24. 6	24. 4	24. 1	24. 6	25. 2
26. 2	**27**	26. 2	25. 8	25. 4	25	24. 7	24. 7	24. 4	24. 4	24. 4	24. 3	24. 9
28. 7	28. 5	**29. 7**	28. 6	27. 3	27. 1	26. 7	25. 5	25	24. 9	24. 7	24. 5	26. 2
31. 7	31. 4	30. 3	28. 8	28. 3	27. 6	27. 4	27	26	25. 7	25. 1	24. 7	27. 1
30. 3	**30. 8**	30. 6	30. 6	29. 3	27. 9	27. 8	27. 6	27. 3	27. 1	26	25. 8	27. 3
30. 9	**32. 1**	26. 8	27. 3	26. 7	26. 5	25. 8	25. 2	25. 3	25. 3	25. 4	24. 9	26. 7
24. 8	24. 5	24. 6	24. 5	24. 4	24. 4	24. 4	24. 4	24. 4	24. 5	24. 4	24. 5	**24. 4**
28. 5	28. 3	28	27. 4	27	26. 5	26. 2	26. 3	26. 2	26. 3	26. 4	26. 3	26. 3
30	**30. 2**	29. 8	29. 2	28. 1	27. 2	27. 1	27	26. 9	26. 3	26. 4	26. 4	27. 5
30. 4	28. 8	29. 9	27. 9	27. 7	27. 3	26. 9	26. 9	26. 9	26. 1	26	26. 1	27. 1
31. 1	30. 5	28. 7	28. 3	28. 3	27. 5	26. 8	26. 8	26. 9	26	26. 3	26. 4	27. 3
29. 9	**30**	29. 7	29. 2	28. 2	27. 7	27. 8	27. 7	27. 6	26. 4	26. 1	26. 3	27. 3
29. 6	29	28. 5	28	27. 8	27. 4	27. 5	27. 6	27. 6	27. 6	27. 3	26. 9	27. 2
28	29. 2	28. 4	28. 2	27. 9	27. 5	27. 6	27. 6	27. 5	27. 5	27. 6	27. 7	27. 5
29. 3	28. 2	27. 5	28	28. 6	27. 6	27. 4	27. 3	27. 6	27. 7	26. 9	**26. 6**	27. 9
28. 2	27. 9	28. 1	27. 5	26. 2	26	25. 6	25. 3	25. 3	25. 1	**25**	25. 4	26. 8
29. 7	29. 6	29. 6	29. 5	28. 6	27. 3	27. 1	27. 3	27. 3	27. 3	26. 8	26. 6	27. 2
29. 8	**30**	29. 8	29. 3	28. 4	27. 5	27. 5	27. 5	27. 5	27. 4	27. 1	25. 5	27. 6
30. 5	30. 3	29. 9	29. 5	28. 9	27. 8	27. 7	27. 7	27. 7	27. 5	27. 4	27. 3	27. 5
30. 8	30. 6	30. 5	29. 8	29. 3	28	27. 8	27. 8	27. 7	27. 6	26. 6	26. 7	**28. 3**
30. 9	**31. 2**	30. 6	30	29. 3	28	27. 9	27. 7	27. 7	27. 5	27. 4	26. 8	27. 8
30. 8	29	30	29	28. 4	27. 6	27. 3	24. 2	**24. 1**	**24. 1**	24. 2	**24. 1**	27
27. 8	28. 5	29. 6	**29. 9**	28. 1	27. 1	26. 3	25. 7	26	25. 2	24. 8	24. 6	26
29. 3	**30**	**30**	29. 5	26. 7	25. 7	25. 5	25. 1	25	25	25. 6	25. 4	26. 2
30	**30. 4**	30. 2	29. 9	28. 8	27. 4	26. 9	24. 8	24. 7	24. 6	24. 6	24. 6	26. 6
29. 9	26. 1	26. 6	26. 7	27. 1	27	27	26. 9	27	26. 8	26. 6	26. 1	26. 4
30	**30. 2**	29. 7	29. 2	27. 7	26. 8	26. 6	25. 8	26. 4	**25. 8**	**25. 8**	25. 9	27. 6
28. 7	**29. 6**	26. 9	27	26. 8	26. 7	26. 7	27	27. 1	26. 8	26. 6	27	26. 7
25. 9	26	25. 1	25. 5	26	25. 9	25. 5	25. 1	**24. 8**	25. 2	25. 9	26. 1	25. 8
29. 1	29	28. 5	28. 2	27. 5	26. 9	26. 7	26. 3	26. 3	26	25. 9	25. 8	26. 7

RELATIVE HUMIDITY (%).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	93	96	95	92	95	96	96	**97**	**97**	95	95	92
2	91	94	94	91	92	92	92	88	**83**	84	85	85
3	94	95	91	93	94	94	94	95	91	89	**82**	83
4	94	94	**96**	93	94	94	93	85	84	78	83	79
5	91	**92**	89	91	91	91	83	78	79	73	70	**64**
6	92	**93**	**93**	91	91	91	85	79	65	65	66	65
7	88	87	90	88	91.5	91	**93**	87	80	81	79	74
8	91	92	93	92	91	95	93	**88**	93	**97**	**97**	92
9	96	**97**	96	95	95	95	95	86	82	79	82	**76.5**
10	86	88	87	88	87	**89**	87	82	77	76	76	**73**
11	89	88	92	93	94	**95**	92	90	86	78	75	75
12	92	**95**	93	94	91	90	94	86	82	74	76	76
13	85	89	91	91	**93**	92	89	82	80	79	77	77
14	89	87	**95**	94	91	93	92	92	90	85	80	**78**
15	88	90	95	97	**98**	**98**	89	83	80	**76**	82	80
16	**90**	87	87	87	87	87	87	84	80	82	**72**	77
17	88	90	88	88	90	92	90	84	82	81	**77**	87
18	93	93	94	93	93	**95**	93	93	80	82	88	76
19	88	90	92	93	**94**	**94**	91	84	80	75	72	**69**
20	91	92	92	92	92	**93**	89	84	71.5	72	**71**	**71**
21	84	83	**88**	85	86	83	81	76	70	67	**65**	69
22	78	86	87	**88**	86	87	83	79	71	66	67.5	65
23	83	88	92	87	87	88	79.5	71	69	71.5	70	70
24	95	96	**97**	96	**97**	**97**	96	93	89	82	79	77
25	91	91	93	92	**94**	91	91	88	85	83	75	73
26	90	89	91	91	91	91	87	83	78	75	71	69
27	96	96	**97**	94	95	94	93	84	**81**	85	83	83
28	90	**94**	89	90	89	87	84	81	78	79	**76**	83
29	90	93	94	94	**95**	**95**	94	**95**	92.5	87	80	81
30	83	89	84	**82**	86	85.5	83	91	86	87	87	90
Mean	89.6	91.1	**91.8**	91.2	91.7	**91.8**	89.6	85.6	81.4	79.4	78	77

VAPOR PRESSURE (mm).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	21.3	21.5	21.4	21.2	21.1	21.2	21.2	21	21.2	21.3	21.4	21.6
2	**20.5**	20.6	21	21	21.3	21.2	21.3	21.3	22.1	**22.6**	22.5	21.8
3	21.6	21.1	20.8	21	21	20.8	**20.7**	20.8	20.8	21.1	**20.7**	21.6
4	21.1	21.1	20.9	21	21.2	21.1	22	**22.9**	21.1	22.6	22	21.7
5	20.6	20.9	20.1	20	**19.7**	**19.7**	20.6	21.9	22	22.6	21.5	21.4
6	21	20.8	20.5	19.7	19.6	**19.5**	20.4	21.6	**19.5**	20.2	20.4	20.3
7	21.1	20.7	21	**20.6**	20.9	21.1	22.2	22.7	23	24	23.7	**24.1**
8	20.8	20.9	20.9	20.9	20.8	21.7	21.8	21.3	21.4	20.9	**20.7**	21.5
9	21.9	21.9	21.7	21.6	21.7	21.7	21.7	21.9	21.7	21.9	22.2	21.2
10	21.9	22.2	21.8	21.9	**21.5**	21.7	22	22.1	22.1	23	22.9	22.7
11	22.5	22.1	22.2	22.2	21.9	**21.8**	**21.8**	22.8	23.1	**23.8**	**23.8**	23.1
12	22.7	22.5	22	22.1	21.8	22	22.8	22.8	22.5	23.2	23.6	24.4
13	**21.1**	21.8	21.3	21.3	21.5	21.3	22.1	21.7	22.2	22.5	23.7	23.5
14	22.2	22.4	22.9	22.3	**21.9**	22.4	22.5	23.2	23.1	23.8	23.3	23.5
15	**22.9**	23.2	23.3	23.4	23.1	23.1	23.4	23.3	23.1	23.3	24.7	24.2
16	**24.6**	23.7	23.7	23.1	23.2	23.2	23.8	23	23.4	23.9	23	23.7
17	23.6	23.7	23.5	22.7	22.8	22.5	23.2	23.3	23.5	23.3	**24.4**	23.1
18	22.3	22.4	22.4	22.3	22	**21.9**	22.2	23	22.7	**23.6**	**23.6**	23.1
19	22.9	22.9	22.9	22.9	22.4	22.4	**23.2**	22.7	22.2	22.6	22.3	**21.4**
20	21.3	21.4	21.2	21.1	21	21	21.9	22.8	**20.2**	21.7	22.2	22.7
21	22.1	21.7	22.3	22.1	22.5	22.1	21.9	21.9	21.6	21	21.1	**23.3**
22	20.3	20.1	19.7	19.5	18.9	**18.8**	20.4	21.8	21.4	21	21.4	21.3
23	21.5	21.3	21.3	20.2	**19.9**	20	20.4	20.8	20.7	21.5	22.5	22.3
24	21	**20.9**	21.2	21.1	21.3	21.2	21.5	21.3	21.4	21.4	21.9	21.5
25	20.7	20.7	20.9	20.3	20.6	20.3	20.6	21.1	21.1	**22.2**	21.6	21.5
26	20.8	20.6	20.5	19.8	19.8	**19.6**	21.2	21.7	22	21.5	21.1	21.4
27	21.7	21.6	21.6	20.7	20.9	**20.6**	21.7	22.3	22.6	24.2	24.6	24.5
28	23.4	23.6	23.1	23.4	23.3	22.9	22.9	23.4	23.2	23.7	23.3	**24.9**
29	22.5	23.1	23.3	22.9	**23.5**	23	23.4	23.2	22	22.3	23.4	21.8
30	22.1	**22.5**	21.2	21.3	21.1	21.7	21.7	21.6	21.2	21.3	21.2	21.7
Mean	21.8	21.8	21.7	21.5	**21.4**	**21.4**	21.9	22.2	21.9	22.4	22.5	22.5

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
96	91	94	93	91	89	**86**	89	92.5	92	91	88	93
87	90	92	93	89	91	89	92	92	93	**95**	93	90.3
89.5	84	85	88	90	93	95	93	**98**	96	96	97	91.6
76	77	**71**	75	80	78	81	85	88	89	91	91.5	85.4
65	66	68	78	80	83	80	82	89	90	**92**	**92**	81.5
66	65	**63**	66	74	81	79	80	82	84	85	85	78.5
72	**64**	82	84	83	85	89	92	91	90	**93**	**93**	85.3
92	92	92	91.5	93	92	95	95	96	96	**97**	**97**	**93.4**
78	77	78	80	80	85	86	84	84	83	86	86	85.9
74	74	75	76	77	81	83	83	83	87	88	87	81.8
73	78	76	81	83	84	86	86	86	89	89	89	85.3
69	76	80	77	77	78	82	82	83	81	82	80	82.9
79.5	**75**	77	76	81	81	80	80	82	85	84	89	83.1
79	79	81	85	83	87	87	87	83	84	88	88	86.5
85	81	83	86	86	87	85	87	87	88	89	90	87.1
74	84	85	86	83	87	89	**90**	87	87	88	88	84.8
83	84	83	83	92	93	**95**	94	**95**	**95**	93	92	88.2
74	75	**73**	75	80	87	84	85	87	86	88	89	85.7
70	71	72	74	77	80	79	82	81	81	84	91	81.8
72	73	**71**	73	76	79	79	79	78	83	83	82	80.8
67	67	68	71	72	76	76.5	78	77	73	80	77	**75.8**
60	**60**	67	71	73	77	77	79	79	80	81	83	76.3
67	75	70	76	80	82	84	**93**	92	92	**93**	92	81.3
77	75	73	**71**	81	85	88	88	88	89	92	92	87.2
70	**65**	67	71	80	77	82	85	86	91	82	85	82.8
66	**64**	**64**	69	75	87	86	**95**	93	93	**95**	**95**	82.8
81	88	90	93	90	**87.**	88	93	91	89	90	93	89.8
77	77.5	79	81	86	86	87	93	90	91	93	91	85.5
76	**74**	83	83	85	83	86	84	86	86	86	84	86.9
88	88	91	90	87	88	86	89	**92**	89	86	88	87.3
76.1	76.3	77.8	79.9	82.1	84.3	85	86.8	87.3	87.7	88.7	88.9	85

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
22	22	22	**22.1**	21.6	21.1	**20.9**	21.5	22	21.9	21.3	21.1	21.5
21.8	21.4	22.1	**22.6**	21.8	21.9	21.5	21.5	21.2	21.2	21.1	21.4	21.5
22.6	22.3	21.6	21.9	21.7	22	21.9	21.5	22.3	21.7	21.7	22	21.5
22.2	22.2	22	21.7	21.5	20.8	21.1	**20.7**	20.8	20.9	21	20.9	21.4
22.5	22.5	21.7	**22.8**	22.7	22.8	21.7	21.7	22.3	22.1	21.9	21.2	21.5
21.2	21.3	20.7	21.5	22.3	**22.6**	21.8	21.9	22.1	22.4	21.3	21.1	21
23.8	22.6	21.4	22.7	21.7	21.8	22	21.8	21.8	21.5	22.3	21.8	22.1
21.3	21.1	21.2	20.9	21.2	21	21.6	21.6	21.7	21.9	21.9	**22**	21.3
22.6	22.1	21.9	21.7	**21.1**	21.8	21.8	21.3	21.2	21.2	21.9	21.9	21.7
23.4	**23.7**	23.5	22.8	21.8	21.6	22	22.1	21.7	22.1	22.4	22.3	22.3
23.5	22.8	**23.8**	22.6	22.9	22.7	22.5	22.5	22.5	22.5	22.3	22.2	22.7
23.1	**24.8**	23.3	21.9	21.9	21.2	21.4	21.4	22	**20.2**	20.8	20.5	22.3
24.9	23.8	23.7	23	23	22.3	22.2	22	22.5	21.7	**21.1**	22.5	22.4
24.5	23.6	23.4	23.8	23.1	23.5	23.6	23.7	22.8	23.2	23.8	23.2	23.2
23.8	24.3	23.9	24.5	24	23.8	23.3	24	23.8	24.1	24.4	**24.8**	**23.7**
22.5	23.8	23.2	24.2	24	24	24.1	24.2	23.7	23.9	23.2	22.7	23.6
23.6	23.4	23.4	22.6	23.2	23.1	23.2	22.6	22.7	22.5	**22**	22.1	23.1
22.9	23.2	22.5	22.8	23.1	23.4	22.4	22.9	23.4	23.1	23	23	22.8
21.8	22.3	22.4	22.3	22.3	21.8	21.6	22.4	22.2	22.1	22.4	22	22.4
23.2	**23.3**	22.3	22.4	22.4	22	21.6	21.6	21.5	22.6	22.5	22.1	21.9
22	21.9	21.9	22.2	21.7	21.3	21.2	21.6	21.2	**20**	20.7	20.1	21.6
19.9	20.3	21.9	**22.5**	22.2	21.7	21.5	21.6	21.6	21.8	21.8	21.6	21
22.2	22.3	22.1	22.5	**22.8**	22.5	22.7	20.9	20.6	20.6	20.9	20.6	21.4
21.4	21.8	22.5	22.2	**22.9**	22.7	22.3	21.7	21.9	21.2	21.3	21.1	21.6
21.3	20.6	21	21.7	20.7	**18.9**	19.9	20.1	20.2	21.3	20	20.6	**20.7**
20.9	20.6	20.5	21.7	22	**23.5**	22.5	22.1	21.5	21.4	21.8	21.8	21.3
25.3	22.1	23.1	24.1	24.1	23.1	23.3	24.4	24.1	23.3	23.1	23.3	22.9
24.4	24.7	24.6	24.4	23.7	22.6	22.6	23.1	23.1	**22.4**	22.8	22.6	23.4
22.2	22.8	22	21.9	22.2	**21.5**	22.3	22.3	22.8	22.4	22.3	22.3	22.6
21.8	21.9	21.5	21.8	21.7	21.8	**20.9**	21.1	21.3	21.2	21.4	22.1	21.5
22.6	22.5	22.4	22.5	22.4	22.2	22	22.1	22.1	21.9	21.9	21.9	22.1

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1												
2	Ci.-S.		Ci.-S.		A.-Cu.		A.-Cu.					
3												
4	Ci.-Cu.		A.-Cu.	WSW			A.-Cu.		Ci.-S.			
5	A.-Cu.										A.-Cu.	
6	Ci.	ENE	Ci.-S.						Ci.		Ci.	
7	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		A.-Cu.	E	Ci.-Cu.	ESE
8	Ci.-S.											
9			Ci.-S.				Ci.-S.		Ci.-S.		Ci.-S.	
10												
11	Ci.-S.				Ci.-S.		Ci.-S.		Ci.-S.	W	Ci.-S.	
12			A.-Cu.	NE	A.-Cu.	NE	A.-Cu.	NE	A.-Cu.			
13	Ci.-S.		A.-Cu.	W	Ci.-S.		A.-Cu.	W	A.-Cu.	W	Ci.	
14					Ci.-S.		Ci.-S.		Ci.			
15	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
16					Ci.-S.		Ci.-S.					
17			A.-Cu.				A.-Cu.		A.-Cu.			
18	Ci.-S.								A.-Cu.		A.-Cu.	
19	A.-S.		A.-S.		Ci.-S.	E	Ci.-S.	E	Ci.-S.	E	Ci.-S.	
20	Ci.-S.	NE					A.-Cu.		Ci.-S.		A.-Cu.	
21			Ci.-S.						Ci.		Ci.	
22	Ci.		Ci.	E	Ci.	E	Ci.	E	Ci.-S.		Ci.-S.	
23	Ci.	E	Ci.		A.-Cu.	N	Ci.-S.		Ci.-S.	E	Ci.-S.	
24	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.			
25	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		A.-Cu.		A.-Cu.	
26	Ci.-S.	NE									Ci.	
27									Ci.-S.			
28	A.-Cu.		A.-Cu.	NWbyW	A.-Cu.	NWbyW	A.-Cu.		A.-Cu.	NW	Ci.-S.	
29									Ci.-S.			
30												

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	N.		N.		N.		N.		N.		N.	
2	Cu.	W	Cu.	W	Cu.	W	Cu.		N.-cf.		Cu.-N.	W
3	Cu.-N.	W	N.	W	N.	W	Cu.-N.		Cu.-N.	W	Cu.-N.	
4	Cu.-N.	SW	Cu.	SW	N.	SW	Cu.		Cu.	SW	N.-cf.	SW
5	Cu.	SW	Cu.	SW	N.-cf.	SW	Cu.	SW	Cu.-N.		Cu.	
6	Cu.	SW	Cu.	SW	Cu.		Cu.	SW	Cu.	WSW	Cu.	
7	Cu.		Cu.	N	Cu.	N	Cu.	N	Cu.		Cu.	NE
8	Cu.		N.		N.	NE	N.		N.		N.-cf.	N
9	Cu.-N.	NW	Cu.	NW	Cu.-N.	NW	Cu.		Cu.		Cu.	
10	Cu.	W	Cu.	W	Cu.	W	Cu.	W	Cu.	W	Cu.	
11			N.	SW	Cu.	SW	Cu.	SW	N.-cf.		Cu.	
12	N.		S.-Cu.		N.-cf.		Cu.	WSW	Cu.		Cu.	
13	S.-Cu.		S.-Cu.		N.-cf.		Cu.		N.-cf.		Cu.	
14	N.	NW	Cu.-N.	W	Cu.-N.	W	Cu.-N.	W	Cu.-N.	W	Cu.-N.	W
15	Cu.	W	Cu.-N.		S.-Cu.		S.-Cu.		Cu.-N.	W	Cu.-N.	
16	Fr.-N.		Fr.-N.	WNW	S.-Cu.		S.-Cu.	W	S.-Cu.	WSW	S.-Cu.	
17	N.	WSW	N.-cf.		N.	SWbyW	N.-cf.		Cu.-N.		N.	
18	Cu.-N.	WSW	Cu.-N.	SWbyW	N.-cf.	WSW	N.-cf.	WSW	Cu.		Cu.	
19	Cu.		Cu.	WNW	Cu.	WNW	Cu.		Cu.	WNW	Cu.	
20	Cu.		Cu.	NW	Cu.	NW	Cu.	NW	Cu.	WNW	Cu.	WNW
21	Cu.-N.	W	Cu.	W	Cu.	W	Cu.	W	Cu.		Cu.	
22	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
23	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
24	Cu.-N.	ESE	Cu.-N.		S.-Cu.	E	Cu.	E	N.-cf.	E	Cu.-N.	
25	S.-Cu.	NNE	S.-Cu.		S.-Cu.		Cu.	ENE	Cu.	E	Cu.	
26	Cu.		Cu.	NNE	Cu.	NNE	Cu.	ENE	Cu.	ENE	Cu.	
27	Cu.-N.	WSW	N.-cf.	WSW	N.-cf.	WbyS	Cu -N.	WSW	Cu.	WSW	N.-cf.	WSW
28	Cu.-N.	W	S.-Cu.		Cu.-N.	W	S.-Cu.	W	Cu.-N.		Fr.-Cu.	
29	Cu.-N.	NW	N.	SWbyW	Fr.-N.	SWbyW	Cu.-N.		Fr.-N.	SWbyW	N.	SWbyW
30	N.-cf.	WSW	N.	WSW	Cu.-N.	WbyS	Cu.-N.	WSW	N.-cf.	WSW	N.	WSW

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
				A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.	
A.-Cu.		A.-Cu.		Ci.-S.		Ci.-S.		A.-Cu.		Ci.-S.	
Ci.		Ci.		Ci.		Ci.				Ci.	
Ci.		Ci.				Ci.					
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.		Ci.		Ci.		A.-Cu.		Ci.		Ci.	
Ci.-S.		Ci.		A.-Cu.						A.-Cu.	
		Ci.-S.						A.-Cu.		A.-Cu.	
Ci.		Ci.		Ci.		Ci.-S.				A.-Cu.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
				Ci.-S.		Ci.-S.		Ci.		Ci.-S.	
Ci.-S.				Ci.-S.							
Ci.-S.	SEbyE	A.-Cu.		Ci.-S.	EbyS	Ci.-S.		Ci.-Cu.		Ci.-S.	
Ci.-S.	E	Ci.-S.		A.-Cu.	S	A.-Cu.	S	A.-Cu.		Ci.-Cu.	
Ci.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	SE	Ci.-S.	
Ci.		Ci.								Ci.	
Ci.		Ci.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
		Ci.-S.									
A.-Cu.		A.-Cu.	NE	A.-Cu.	NE						
Ci.		Ci.		Ci.		Ci.		Ci.		Ci.-S.	
Ci.-S.											
Ci.-S.		Ci.-S.		Ci.-S.							
Ci.-S.											

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Cu.-N.		Fr.-N.	WbyS	Cu.-N.	W	Cu.-N.		Cu.-N.	W	Fr.-N.	
Cu.-N.	W	N.	W	N.	W	N.		N.	WbyS	Fr.-N.	WbyS
Cu.-N.	W	Cu.-N.	W	N.	W	N.	W	N.		Cu.-N.	
N.-cf.	SW	N.-cf.	SW	N.-cf.	SW	S.-Cu.	SW	S.-Cu.		S.-Cu.	SW
Cu.	SW	Cu.-N.	SW	Cu.	SW	Cu.-N.	SW	Cu.-N.	SW	Cu.-N.	SW
Cu.		Cu.		Cu.		Cu.-N.		Cu.-N.		Cu.-N.	
Cu.-N.	N	Cu.-N.	NNE	Cu.-N.	NNE	Cu.-N.	NNE	Cu.-N.	NNE	Cu.-N.	
Fr.-N.		Fr.-N.		N.		N.	N	N.		Fr.-N.	
Cu.		Cu.		Cu.-N.	SW	Cu.-N.	SW	Cu.-N.	SW	Cu.-N.	SW
Cu.	W	Cu.	W	Cu.	W	Cu.		Cu.-N.		Cu.-N.	
Cu.	WbyS	Cu.-N.	WbyS	Cu.-N.	WbyS	Cu.-N.		Cu.-N.	W	Cu.-N.	W
Cu.	N	Cu.	WNW	Cu.-N.	WNW	Cu.-N.	WNW	Cu.-N.	WNW	Cu.-N.	WNW
Cu.-N.	WbyS	Cu.-N.	WbyS	Cu.-N.	WSW	Cu.-N.	WSW	Cu.-N.		Cu.-N.	
N.-cf.	W	Cu.-N.		Cu.-N.		Cu.-N.		Fr.-N.	WbyN	Cu.-N.	
N.	W	Cu.-N.	W	Cu.-N.		Cu.-N.	W	Cu.-N.		Cu.-N.	
S.-Cu.	WSW	Cu.-N.	WSW	Cu.-N.		S.-Cu.	WSW	S.-Cu.		S.-Cu.	
Cu.-N.		Cu.-N.	WSW	Cu.-N.	WSW	Cu.-N.		N.	WSW	Cu.-N.	
Cu.		Cu.	WSW	Cu.		Cu.-N.		Cu.-N.		S.-Cu.	
Cu.	WNW	Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.-N.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.		Cu.-N.		Cu.-N.	
Cu.		Cu.	W	Cu.	WNW	Cu.		Cu.		Cu.-N.	
Cu.-N.	E	N.-cf.	E	N.-cf.	E	N.-cf.	E	Cu.-N.	E	N.-cf.	
Cu.		Cu.		Cu.	E	N.-cf.	E	Cu.-N.	E	Cu.-N.	
Cu.	ENE	Cu.-N.	E	Cu.-N.	ENE	Cu.-N.		Cu.-N.	ENE	Cu.-N.	
Cu.-N.	WSW	Cu.-N.	WSW	N.	WbyS	N.	WbyS	N.		N.	
Cu.	W	Cu.	W	Cu.	W	N.-cf.	W	N.-cf.	W	N.-cf.	
Cu.	SW	N.-cf.	SW	N.-cf.	SW	Cu.-N.	SW	Cu.-N.	SW	Cu.-N.	
N.	WSW	Fr.-N.	WSW	N.		N.		Fr.-N.	WSW	N.	

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	WSW	3.5	W	2	W	2	W	2	WSW	2	Calm	
2	WbyN	3	WSW	2.5	SSW	2	SW	5.5	SW	4	SW	3.5
3	S	2	SSE	.5	SbyW	3	Calm		SSW	3.5	SSW	4.5
4	S	3	SSE	1.5	SEbyS	2.5	SE	1.5	SE	1	SE	2
5	SE	1	Calm		Calm		Calm		SE	1	Calm	
6	Calm		S	.5	Calm		Calm		Calm		Calm	
7	NE	2	N	3	NE	3.5	N	2.5	Calm		NNE	1.5
8	SE	1.5	Calm		Calm		Calm		NbyW	2	Calm	
9	N	2.5	N	2	N	.5	Calm		N	.5	Calm	
10	SWbyW	2.5	WSW	5.5	WSW	4	SW	5	SWbyW	3.5	SW	2
11	SWbyS	3	SW	2.5	SSW	1.5	Calm		Calm		Calm	
12	N	.5	N	.5	Calm		Calm		WbyS	2	W	1.5
13	WSW	1	SbyW	1	Calm		Calm		Calm		Calm	
14	SW	3.5	SW	4	SSW	1.5	SbyW	2.5	SSW	2.5	S	.5
15	WbyN	3	WbyN	1.5	WbyN	.5	WbyN	.5	Calm		Calm	
16	WSW	10	WSW	7	WSW	6.5	WbyS	6	WSW	5	WSW	5
17	SW	8	SW	5.5	SW	5	SW	6.5	SSW	5	SSW	4
18	SbyW	2.5	SSW	2	SbyW	1.5	S	1	Calm		Calm	
19	WbyS	3.5	W	1	Calm		Calm		Calm		Calm	
20	NE	.5	Calm		Calm		Calm		Calm		Calm	
21	WSW	5	SW	4	SW	2	SSW	2.5	SW	4	SW	4.5
22	WSW	3	SSW	1	Calm		Calm		Calm		Calm	
23	Calm		Calm		N	.5	Calm		Calm		Calm	
24	NE	1	Calm		Calm		Calm		Calm		Calm	
25	NE	2	N	3	N	3	N	2	N	2	NNE	2.5
26	SE	.5	ESE	1.5	ESE	1.5	ESE	2	ESE	.5	Calm	
27	E	.5	E	.5	NE	1	NE	.5	NE	1	ENE	1
28	SWbyW	10	SWbyW	14	SWbyW	7	WSW	12	WSW	10	WbyS	8
29	SSW	5.5	SWbyS	4	SWbyS	3	SWbyS	4	SWbyS	5	SW	9.5
30	W	5	WNW	3.5	WbyN	6	WSW	6.5	W	6.5	SWbyW	10
Mean		3		2.5		1.9		2.1		2		2

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	SW	5	WSW	6.5	SW	5	WSW	9	SWbyW	6	WSW	4
2	SW	4.5	SW	2.5	SSW	3	S	2	SSW	5	SSW	3.5
3	S	5	SbyW	6	S	3.5	S	3	S	3	S	3.5
4	SbyW	1.5	SbyW	8	S	6	SbyW	4	SbyW	4	SbyE	4
5	SE	1	WSW	1.5	WSW	3.5	WSW	5.5	SWbyW	5.5	SWbyW	5
6	SWbyW	2	SWbyW	2	WbyS	3.5	SWbyW	3.5	SW	2.5	SSW	2
7	W	3	WNW	7	S	5	Calm		WNW	1.5	SW	4
8	NNW	9	NNW	8	NNW	4.5	NNW	8.5	NNW	4.5	NbyW	3
9	SW	5.5	SW	5	SWbyW	5.5	SWbyW	9	SWbyW	8.5	WSW	5.5
10	WSW	4.5	SWbyW	6	SW	6	SWbyW	5.5	SW	6	SWbyW	6.5
11	WSW	4.5	WSW	10	SW	5.5	SW	8.5	SWbyW	7	SW	5
12	W	3	SW	3.5	SW	3	WbyS	2	SW	1.5	SW	3
13	SW	4	SW	5	SW	8	SW	8	SW	4.5	SW	3.5
14	SW	4	SW	1	WSW	1.5	SWbyW	2	W	.5	WSW	2
15	WSW	8.5	SWbyW	3.5	SW	4	SW	5	SW	6	SW	6.5
16	WbyS	10.5	WSW	5.5	WSW	9	SW	6.5	SWbyW	7	SW	4
17	SW	8	WSW	4	WSW	3	WSW	4.5	SW	3	SSW	4
18	SW	3	SW	3.5	WSW	5.5	SWbyW	6.5	SWbyW	7	SWbyW	4
19	WbyS	4	WSW	4.5	SWbyW	3.5	SWbyW	4	SSW	4	SWbyW	3.5
20	SWbyW	6.5	SW	5	SW	6	WSW	6	WSW	10	WSW	8.5
21	WSW	6.5	WSW	5	WSW	5.5	WSW	7.5	WSW	5.5	WSW	6.5
22	WSW	1	WSW	2	SWbyW	6.5	SW	3.5	SWbyW	4.5	WSW	5.5
23	WSW	4	WSW	2.5	SW	2.5	WSW	1.5	SW	2	SW	2.5
24	SSW	1	WNW	5.5	W	2.5	W	2	Calm		Calm	
25	WNW	6	W	2	W	3	WSW	1.5	NW	3	SSE	3
26	WSW	2.5	WSW	4	SW	3	SW	2.5	WSW	1.5	WNW	2
27	WSW	10	WSW	11.5	SW	8.5	SWbyS	7	SbyW	9.5	SW	8
28	SWbyW	11.5	SW	11.5	SWbyW	8	SW	6.5	SW	8.5	SWbyW	7
29	SWbyW	11	SWbyS	8.5	SWbyW	11	SW	7.5	SW	7	SWbyW	11
30	WSW	3	WSW	8	SW	12	SWbyS	8	SW	7.5	WSW	9
Mean		5.1		5.3		5.2		5		4.9		4.6

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
SW	2.5	SbyW	2	SbyW	2	S	1.5	SbyE	1.5	Calm	
SbyW	2	SSW	3.5	SbyW	2	SSW	4	SW	4.5	SSW	3.5
SSE	1.5	SE	1.5	SE	1.5	Calm		Calm		SE	3
SE	2	SE	4.5	SSW	7	Calm		S	3	SbyE	11.5
Calm		Calm		SE	2.5	SE	2	SE	1	Calm	
Calm		Calm		WSW	.5	WSW	1.5	WSW	3.5	WSW	1.5
NNE	1.5	NNE	4	NbyE	3.5	NW	4.5	WbyN	5	W	6
N	3.5	NNE	1.5	Calm		ESE	2.5	Calm		NNW	5
Calm		Calm		S	2	WSW	4.5	SW	6	WSW	7.5
WSW	5	WSW	6.5	WbyS	5.5	SW	3.5	WSW	8.5	SW	3
Calm		Calm		Calm		Calm		SW	4	SWbyW	7
Calm		Calm		SE	2.5	SW	4	WSW	9.5	WSW	9
Calm		Calm		Calm		WSW	1.5	WNW	2	W	3.5
SW	2.5	Calm		Calm		S	1.5	SWbyW	3.5	WSW	3
W	1	WSW	4	WSW	4.5	WSW	3.5	SW	4.5	SW	8.5
WSW	5	WSW	11	WSW	11.5	WSW	11	WbyS	9	W	9
SSW	3.5	SSW	2	SWbyW	2.5	SW	10	SWbyW	7	WSW	7
SSW	1	SSW	1.5	Calm		Calm		WSW	5.5	SW	3.5
Calm		Calm		WSW	1.5	WSW	2.5	WSW	2.5	W	2.5
Calm		Calm		WSW	2.5	WSW	2	WSW	2	SW	3
WbyS	5	WSW	5	WbyS	8	WSW	8	WNW	5	SWbyW	5
Calm		Calm		WbyN	1.5	W	3	W	3	WSW	3
NNE	.5	Calm		NWbyN	3	W	3	WSW	2.5	WbyS	4
Calm		Calm		Calm		Calm		Calm		SSW	.5
NNW	1.5	N	3.5	NNW	.5	Calm		WSW	1	W	3.5
Calm		Calm		SSW	1	SW	3.5	WSW	3.5	WSW	4
SE	1	SSW	4.5	WSW	12	SWbyW	10	WSW	9	WSW	16
WSW	4	SWbyW	8	SWbyW	10	SWbyW	10	SW	7.5	SW	6
SW	9	SW	3.5	SSW	11.5	SSW	6.5	SWbyW	7.5	SWbyW	7.5
WSW	9	SW	7.5	WSW	9.5	WSW	13.5	WSW	8.5	WSW	5
	2		2.5		3.6		3.9		4.3		5

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		Midnight.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
WSW	4.5	SWbyW	2	SW	1.5	SW	3.5	SW	3	WSW	7.5	3.3
SSW	2.5	SSW	4.5	SbyW	3.5	SSE	.5	Calm		SbyW	2.5	3.1
SEbyS	2.5	S	3.5	S	3	SEbyS	2	SEbyS	2.5	SSW	4.5	2.6
SbyE	2.5	SEbyS	1.5	Calm		SE	.5	SE	.5	SE	.5	3
SSW	3.5	S	1	Calm		Calm		Calm		Calm		1.4
SW	.5	SW	1	SWbyW	2.5	WSW	3	NNW	4	NNE	4	1.6
Calm		Calm		W	1.5	SW	1.5	SWbyW	.5	SSE	2.5	2.6
NNW	3	NNW	3	NNW	2	NNW	2.5	NNW	2.5	NNW	1.5	2.8
SW	5	SWbyW	5	WSW	6	WSW	2	WSW	3	WSW	2.5	3.7
SW	5	SW	4	SW	3.5	SSW	1.5	SW	4	SW	6	4.7
SW	3	SWbyS	2	SW	4.5	WSW	5.5	WSW	6	WbyN	1.5	3.4
SSW	3.5	SSW	3.5	SW	4.5	WSW	5.5	WSW	4	WSW	2	2.9
WSW	4.5	SW	3.5	SWbyW	4.5	SSW	3	SW	3.5	SW	2.5	2.6
W	4	W	3	WNW	5	WNW	4	NWbyW	4.5	NW	4	2.5
SW	7.5	SWbyW	7.5	SWbyW	8	SWbyW	6	SWbyW	7	SWbyW	9.5	4.6
SW	7	SW	8.5	SW	8	SW	5	SW	8.5	SW	8	7.6
S	2.5	SbyE	1.5	S	.5	SSE	1	SSE	2	S	2.5	4.3
SW	6.5	SWbyW	7	WSW	4.5	WSW	5.5	WSW	6	WSW	6	3.5
SW	10	SWbyW	7	SWbyW	4.5	SW	2.5	SWbyS	2	NE	1	2.7
WSW	8	WSW	6.5	WSW	5.5	WSW	5	WSW	4	W	4	3.5
WSW	6	WSW	6.5	W	4.5	W	4	NWbyW	2	WbyN	3	5
WSW	5.5	WSW	5	WSW	4	W	3	W	1.5	W	2	2.4
WSW	1.5	E	1.5	NNE	1.5	NNE	1	Calm		NE	1.5	1.5
Calm		Calm		N	2.5	N	1.5	NE	1.5	NE	1.5	.8
Calm		Calm		Calm		Calm		SE	1	Calm		1.8
NE	4	NE	2	NE	1.5	Calm		Calm		Calm		1.7
SW	10	SW	10	SW	7.5	SWbyS	11.5	SW	15.5	SW	11.5	7.4
SW	10	SW	8	SW	5.5	SSW	3.5	SSW	2.5	SSW	5	8.1
SWbyW	7	WSW	9	W	5	WSW	7	WSW	9	WbyS	5	7.3
WbyS	10	W	5	Calm		WbyS	3.5	W	2.5	WSW	5.5	6.9
	4.6		4.1		3.5		3.2		3.4		3.6	3.6

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	18	8	6.5	8.5	7	6	6	4.5	6	3.5	6	5
2	19	6	8	18	20	10.5	9.5	7	8	11	**23**	22
3	9	4	9	5.5	6.5	15	10	8	6	6	7.5	8.5
4	13	9	4	8	5	4	5	9	12.5	7.5	13	14
5	2	2	1.5	1.5	2	2	1.5	1	7	6	9	5.5
6	.5	1	1	.5	1	.5	1	2.5	2	4.5	9	8.5
7	10.5	8	6	10	3	3	7.5	12.5	16	12	**20**	19
8	7.5	2	.5	1	5	2.5	6	2	4	2	10	15.5
9	5.5	7.5	2.5	.5	1	.5	1.5	1	4	14	22	24
10	13.5	19	16.5	13	19.5	5.5	10.5	14.5	7.5	9.5	20	15
11	11	8	5.5	1	1.5	.5	.5	1	1	1	12	18
12	1.5	3.5	1	.5	6	6	3	1.5	4	8.5	**24**	22
13	7	3.5	1	2.5	0	2	1	1	1	4.5	8.5	12.5
14	12	**20**	5.5	5.5	6.5	5.5	8	1.5	0	2	14.5	11
15	11.5	7.5	3.5	3	0	.5	10.5	17.5	22	10.5	23	31
16	**39.5**	31.5	34.5	27.5	21	20	18	33	30	26	32	26
17	24	23	25	23.5	20	14.5	11	9.5	10.5	29	**33.5**	25.5
18	11	7	6.5	4.5	1.5	2	4.5	3.5	3.5	2.5	17	19
19	12	11	.5	1.5	0	0	1	0	3	5	11	8.5
20	4.5	.5	2.5	.5	.5	1	.5	1	3.5	8.5	9.5	12.5
21	12	9.5	9.5	10	9	16	19	20	23	20	21.5	12.5
22	12	3.5	0	1	1	.5	1.5	.5	2.5	7	10	11.5
23	9	.5	1.5	2	.5	1.5	2	4.5	7	9.5	11	11
24	3.5	1.5	1	1	0	3	2	1	1	1	2	4.5
25	9	7	10	11.5	7	9.5	5	7	8.5	3.5	3.5	9
26	1	8	6	5.5	4	2.5	1	.5	5.5	8	11.5	12
27	1.5	1	3.5	2	2.5	3	4	7.5	2.5	39	**48**	45
28	42	**50**	42	42	32	27	16	24	28	31	31	29
29	15	16	12	11	12	15	30	23	24	23	27	**39**
30	22	12.5	20.5	18	27	23	30	21	33	**38**	37	25
Mean	12	9.7	8.2	8	7.4	**6.8**	7.6	8	10.3	11.8	17.6	17.4

AMOUNT OF CLOUDS (0–10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
2	10	10	8	8	10	10	10	10	10	10	10	10	9.7	0 20
3	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
4	10	8	10	9	8	10	10	10	8	8	8	8	8.9	2 50
5	8	8	10	5	10	6	8	9	8	8	9	10	8.2	4 30
6	2	4	3	3	3	4	4	4	4	5	8	9	4.4	**9 00**
7	7	8	8	7	7	7	8	9	10	10	10	10	8.4	4 05
8	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
9	10	8	8	10	10	10	10	10	10	10	10	10	9.7	0 40
10	8	6	7	4	4	3	8	7	8	7	7	7	6.3	8 20
11	10	10	7	5	7	8	9	9	9	10	10	9	8.6	2 40
12	10	9	9	4	3	7	7	9	10	10	10	10	8.2	5 00
13	9	10	9	7	7	5	9	8	9	6	9	9	8.1	4 30
14	10	10	10	9	9	10	9	10	10	10	10	10	9.8	2 10
15	10	10	10	9	10	10	10	10	10	10	10	10	9.9	**0 00**
16	10	10	10	9	7	7	10	10	10	10	10	10	9.4	1 05
17	8	8	10	9	9	10	10	10	10	10	10	10	9.5	0 45
18	8	10	10	8	7	8	5	4	4	4	4	4	6.3	6 55
19	10	10	10	10	7	6	8	8	10	8	8	6	8.4	4 45
20	7	7	7	7	7	6	5	5	6	6	9	6	6.5	7 35
21	8	6	6	6	6	5	3	2	2	3	2	3	**4.3**	8 45
22	1	5	5	4	7	7	6	5	5	6	5	5	5.1	8 45
23	3	4	4	4	7	8	7	8	9	10	10	10	7	5 45
24	10	10	10	9	10	10	10	10	10	10	10	10	9.9	0 50
25	9	10	10	10	8	9	8	9	9	10	9	10	9.2	2 30
26	6	4	3	3	3	4	6	8	9	9	9	10	6.2	6 55
27	10	10	10	10	10	10	9	10	10	10	10	10	9.9	1 25
28	9	9	8	8	7	9	10	10	10	10	10	8	9	2 55
29	10	10	10	10	10	10	10	10	10	10	10	10	**10**	0 20
30	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
Total														103 20
Mean	8.4	8.5	8.4	**7.6**	7.8	8	8.3	8.5	8.7	8.7	**8.9**	8.8	8.4	3 27

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–mdt.	Mean.
11.5	21.5	19	**22**	21	13	9.5	17.5	5.5	11.5	15	17	11.2
21	17	12.5	7.5	16	9.5	14.5	14	9	5	2	6	12.3
15.5	**16.5**	16	11	15	14	8.5	7.5	3	6	6	8	9.2
15	**22**	15	16.5	13.5	10.5	8.5	5.5	3.5	4	2.5	1	9.2
6.5	6	14	18	**24**	20	12	4.5	.5	.5	.5	0	6.1
12	10	10	11.5	9	6.5	6	7	9.5	8	**15.5**	**15.5**	6.4
20	**20**	17	8	6	5.5	7.5	0	4	4	3	4.5	9.5
27	**27.5**	17.5	22.5	18	15	13.5	10	8	7.5	10	7	10.1
20	21	19	29	**30**	22	20	20	18.5	11.5	10	9	13.1
26.5	21.5	25	23.5	23.5	21.5	19	18.5	12	7	6	22	16.2
20	**29**	20.5	27.5	22	24.5	18.5	9.5	14.5	18	26	10.5	12.6
17	15	23	23	12	11	11.5	17	17.5	22	17	9.5	11.5
13	20.5	22.5	**27**	22.5	20.5	17	14	18	19	10.5	15	11
17.5	9	11	9	7	7	7	10	14	17	16	13.5	9.6
30	25	21	26	22	22	26	27.5	22.5	27.5	26.5	**33**	18.7
32.5	24.5	25	24.5	21	23.5	23	23	25	28	21	19	26.2
31	26	18	16	16.5	10.5	7	12	5	2	6	6	16.9
13	17	25	**26**	25	22	19	23	23	23	22	21	14.2
12	14.5	14	17	19	**23**	21.5	20.5	19	14.5	7.5	5	10
20	24	26	24	**27**	26	26	23	22	18	14	13	12.8
18	**29**	25.5	25.5	26.5	26.5	25	25.5	23	17	11	8	18.4
7.5	9	15	21	**25**	22	22	20	19	17	11	6	10.2
10.5	13.5	10	13	16	17	10	**20**	3.5	2.5	1.5	2.5	7.5
3	8.5	**10**	4	4.5	2.5	.5	.5	6	5	5	5	**3.2**
16	15	11	7	8	9	5	2.5	.5	0	6.5	4.5	7.3
14	**15**	10.5	9.5	10	9	9.5	8.5	5.5	2	.5	.5	6.7
41	**48**	33	26	22	29	33	37	34	36	42	43	25.2
34	32	31	33	34	30	28.5	32.5	27.5	18	10.5	17	**30.1**
36	29	36	36	32	34	30	38	25	29	30	23	26
19	15	28	32.5	29	28.5	32	15	.5	1.5	13.5	9	22.1
19.3	**20**	19.4	19.9	19.2	17.8	16.4	16.1	13.3	12.7	12.3	11.8	13.4

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW	W.	WNW	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1									2	2	6	9	3				2	269	0.3	38.7
2								1	1	13	6	1		1			1	296	.7	9.6
3							3	5	8	5							3	222	.6	8.7
4							8	3	6	5							2	221.5	2.2	2
5							6		1	1		5					11	147.5	3.2	
6		1							1	1	3	9	1			1	7	152.5	4	
7	2	4	2					1	1		2	1	3	3	1		4	227	1.9	**38.9**
8	3	1				1	1									12	6	241.5	1.9	34.5
9	4								1		4	11					4	314	3.4	.5
10										1	11	11	1					390	3.6	
11										1	9	6		1			7	301.5	2.4	
12	2						1			2	6	5	4				4	277	3.5	.8
13										2	9	4	1	1			7	264	3.2	
14									2	3	5	5	3	2	2		2	230	2.4	13.3
15											7	10	1	4			2	449.5	2.9	
16											8	12	4					629	2.5	2.6
17								2	4	5	7	6						405	1.3	9
18									1	5	4	10					4	341.5	3	5.6
19			1							1	3	9	4				6	241	3.4	
20			1								3	12	1				7	308	4.4	
21										1	4	12	4	2	1			442.5	4.8	
22										1	1	10	5	1			6	245.5	4.5	
23	1	3	1		1						3	5	2			1	7	180	2.7	26.2
24	2		3							2			2	1			14	**76**	1.7	.3
25	5	1	1				1	1				2	3	1	1	2	6	175.5	2.2	.8
26			3			4	1			1	3	5		1			6	160	3.1	
27			3	1	2		1			2	9	6						606	2.7	4.1
28										3	8	12	1					**722**	3	
29										3	10	10	1					625	1.6	12.8
30											4	11	6	2			1	530.5	**0**	19
Total	19	10	15	1	3	5	22	13	28	60	135	199	50	20	5	16	119	9,690.5	77.1	227.4
Mean	0.6	0.3	0.5	**0**	0.1	0.2	0.7	0.4	0.9	2	4.5	**6.6**	1.7	0.7	0.2	0.5	4	323	2.6	7.6

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°C.		*Per cent.*	*mm.*	*mm.*		°C.		*Per cent.*	*mm.*
1	755.15	9.50p.	26.4	1.45p.	97	22.1	753	3.25p.	23.6	5.40a.	86	20.9
2	55.10	9.30p.	28.5	10.30a.	95	22.6	52.87	5.00p.	23.4	1.55a.	83	20.5
3	55.85	9.50a.	28	11.40a.	**98**	22.6	53.60	4.15p.	23.6	8.05a.	82	20.7
4	57.40	9.05p.	30.6	2.55p.	96	22.9	54.75	3.05a.	23.7	2.50a.	71	20.7
5	59.40	9.25p.	32.6	0.55p.	92	22.8	55.75	3.55a.	23.3	5.45a.	64	19.7
6	60.05	10.05p.	32.4	3.35p.	93	22.6	56.40	3.55p.	23.2	5.55a.	63	19.5
7	59.70	0.05a.	**32.9**	1.55p.	93	24.1	55.10	4.05p.	23.9	5.45a.	64	20.6
8	58.74	11.00a.	**26**	0.20p.	97	**22**	55.95	3.35p.	23	10.25a.	**88**	20.7
9	59.25	9.05p.	29.5	1.05p.	97	22.6	56.80	2.30a.	24	2.35a.	76.5	21.1
10	58.74	9.00a.	30.7	1.30p.	89	23.7	56.05	3.00p.	25.4	6.25a.	73	21.5
11	58.10	10.05p.	31.3	1.05p.	95	23.8	55.35	3.20p.	24.3	5.55a.	73	21.8
12	58	10.00p.	32.2	1.05p.	95	24.8	55.50	4.20p.	24.6	3.45a.	69	20.2
13	57.45	8.20a.	31.1	2.25p.	93	24.9	54.30	3.55p.	24.1	5.50a.	75	21.1
14	56.35	0.05a.	30.6	1.05p.	95	24.5	51.99	4.00p.	24.8	3.50a.	78	21.9
15	**52.90**	8.35a.	30	2.20p.	**98**	24.8	**49.40**	3.10p.	25	5.25a.	76	**22.9**
16	54.15	11.10p.	31.2	11.10a.	90	24.6	51	4.00a.	**26.4**	11.55p.	72	22.5
17	56.75	10.40p.	31.2	11.15a.	95	24.4	53.50	2.05a.	24.6	11.35p.	77	22
18	56.99	8.00a.	30.8	2.15p.	95	23.6	54.20	4.05p.	24.1	5.50a.	73	21.9
19	56.19	9.00a.	31.9	1.40p.	94	23.2	53.50	4.05p.	24.6	5.50a.	69	21.4
20	57.45	10.10p.	31.6	0.45p.	93	23.3	54.10	2.05p.	24	5.35a.	71	20.2
21	58.50	10.05p.	32	11.55a.	**88**	23.3	55.70	3.35p.	26	4.25a.	65	20
22	60.25	9.25p.	32	1.55p.	**88**	22.5	57.25	3.15p.	23.3	5.55a.	**60**	**18.8**
23	**60.85**	9.05a.	30.7	4.20p.	93	22.8	**57.85**	2.25p.	23.7	7.20p.	67	19.9
24	60.05	8.25a.	30.7	4.20p.	97	22.9	57.30	4.15p.	23.5	5.50a.	71	20.9
25	59.60	9.35a.	31.5	2.45p.	94	22.2	56.50	3.15p.	23.7	4.30a.	65	18.9
26	58.55	0.05a.	32.3	3.05p.	95	23.5	55.05	3.35p.	**22.9**	5.50a.	64	19.6
27	56.55	0.05a.	30.7	0.45p.	97	**25.3**	53.50	2.25p.	23.7	5.55a.	81	20.6
28	57.40	10.00p.	31.2	1.20p.	94	24.9	54.70	3.45a.	25.7	10.15p.	76	22.4
29	58.05	10.35a.	29.7	2.05p.	95	23.5	55.95	3.00p.	24.9	8.40a.	74	21.5
30	58.70	10.35p.	27.8	7.15a.	92	22.5	55.65	4.15a.	24.2	9.40p.	82	20.9
Mean	757.74	----------	30.6	----------	94.1	23.4	754.75	----------	24.2	----------	73	20.8

DAILY GENERAL REMARKS.

1____Rainy weather, especially in the morning, with gusty WSW winds in the afternoon.
2____d° in the forenoon; ● in the afternoon and at night.
3____●° in the morning and at night; d° in the afternoon.
4____●° in the morning, gusty Sly winds in the morning and afternoon.
5____⌈⌊° various points in the evening.
6____Light convergence of Cirrus toward ESE at noon; coloration of clouds, d° ⌈⌊° NE quadrant, ⌊ NW quadrant in the evening.
7____⌈⌊° SW quadrant, ⌈⌊² E quadrant, ● in the afternoon; ⌊ N quadrant in the evening; ●² at night.
8____● in the morning and afternoon; gusty NNW winds in the afternoon.
9____d° in the morning; gusty SWly winds in the afternoon; ⌊ different points in the evening.
10____Somewhat gusty winds in the morning and afternoon; ⌊ N quadrant in the evening.
11____d° in the morning; gusty SWly winds in the afternoon; ⌊ N quadrant in the evening.
12____d in the early morning and afternoon; gusty winds in the forenoon.
13____Somewhat gusty SW winds in the afternoon; coloration of upper clouds at sunset.
14____● in the morning; coloration of clouds at sunset.
15____d° in the afternoon; gusty SWly winds in the afternoon and at night.
16____Gusty SWly winds at intervals; ● 11.50 a., 2.10 p.
17____Some ● or d° with gusty SWly winds during the day.
18____● in the morning; coloration of upper clouds at sunset.
19____Gusty SWly winds in the evening.
20____Gusty SWly winds and coloration of upper clouds in the evening.
21____Somewhat gusty WSW winds at intervals.
22____Light convergence of Cirrus toward ESE in the morning; ○ in the forenoon and afternoon; ⌊° N in the evening.
23____Light convergence of Cirrus toward ESE in the morning, and toward E in the afternoon; ⌈⌊ NE quadrant, coloration of upper clouds and heavy thundershowers in the evening.
24____d° in the morning and afternoon.
25____●, ⌈⌊° S quadrant in the evening.
26____⌈⌊ E, N in the afternoon; near ⌈⌊, ⌊ NE in the evening.
27____Gusty SWly winds at intervals with ● in the morning and afternoon; ⊤° W 2.25 p.
28____Gusty SWly winds at intervals; d° 6 a.
29____Gusty SWly winds at intervals; ● in the morning; d in the afternoon and at night.
30____Somewhat rainy and squally weather.

OBSERVATIONS FOR OCTOBER, 1912.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	58.10	57.95	57.75	57.25	57.55	57.86	58.41	58.70	58.72	58.90	58.59	57.83
2	59.90	59.05	58.80	58.75	58.95	59.22	59.84	60.25	**60.72**	60.62	60.17	59.72
3	59.30	59.15	59	59.15	59.40	59.88	60.26	60.79	60.97	**61.24**	61.10	60.72
4	58.50	58.10	58.05	58.10	58.70	59.01	59.23	59.61	**59.73**	59.54	59.10	58.64
5	58.30	57.40	57.50	57.55	58.05	58.48	59.13	59.38	**59.67**	59.55	58.97	58.27
6	58.15	58.05	57.75	57.80	57.90	58.25	58.95	59.28	59.85	59.95	59.35	58.93
7	59.40	59.10	58.95	58.85	59.05	59.31	60	60.44	60.84	60.70	60.25	59.64
8	59.65	59.35	59.30	59.30	59.30	59.52	59.97	60.21	**60.50**	60.32	59.59	59.01
9	58.30	57.80	57.50	57.30	57.10	57.34	57.83	58.21	58.44	**58.67**	58.14	57.43
10	56.60	56.15	56	56.10	56.40	56.30	56.65	57.18	**57.52**	57.24	56.95	56.19
11	56.35	55.70	55.25	55.20	55.30	55.49	55.74	56.17	56.35	56.42	55.68	55.01
12	57.95	57.70	57.45	57.45	57.55	57.92	58.54	58.71	58.94	58.98	58.74	58.25
13	58.90	58.35	57.85	58.05	58.15	58.84	59.14	59.38	**59.48**	59.39	58.69	58.13
14	57.85	57.45	57.20	56.80	56.65	57.01	57.43	57.96	58.03	57.94	57.89	57.10
15	57	56.65	56.40	56.25	56.40	57.11	57.40	57.41	**57.45**	57.42	56.78	56.21
16	56.45	56.40	56.25	55.95	56.30	56.74	57.56	**57.64**	57.45	57.59	56.79	55.99
17	55.10	54.15	54.35	54.30	54.45	54.97	55.37	55.53	56.42	56.35	55.70	55.44
18	57.35	57.30	**57.20**	57.45	58.10	58.44	59.16	59.44	59.79	59.87	59.30	58.93
19	60.15	59.90	59.45	59.50	59.90	60.38	61.28	**61.62**	**61.62**	**61.62**	60.99	59.98
20	60.05	59.70	59.45	59.15	59.40	59.85	60	**60.74**	60.57	60.40	59.89	58.87
21	59.50	58.85	58.90	58.85	58.85	59.82	60.11	60.75	60.82	**60.94**	60.65	60.40
22	59.50	58.85	59	58.75	59	59.44	60.16	60.19	60.51	**60.72**	60.13	59.35
23	58.95	58.55	58.40	58.55	58.75	59.05	59.74	60.01	59.93	59.80	59.14	58.54
24	58.95	58.40	58.20	58.20	58.50	58.95	59.56	59.62	**59.94**	59.81	59.29	58.84
25	58.40	58.15	58.05	57.80	58.10	58.31	58.95	59.24	**59.44**	59.06	58.62	58.07
26	57.35	56.80	56.65	56.50	56.55	57.09	57.65	57.66	57.95	**57.99**	57.22	56.72
27	56.10	55.85	**55.75**	55.95	56.20	56.87	57.45	58.05	58.80	58.70	58.28	57.97
28	59.50	59.30	59.05	59	59.10	59.65	59.95	60.26	60.56	60.54	60.02	59.54
29	59.35	58.95	58.70	58.55	58.65	58.90	59.46	59.76	**60.13**	60.12	59.63	59.06
30	59.40	58.95	59	59.05	59.25	59.74	60.25	60.32	60.79	60.72	60.40	59.62
31	60.90	60.55	60.55	60.45	60.55	60.79	61.05	61.37	**61.57**	61.48	60.82	60.34
Mean	58.43	58.02	57.86	57.80	58	58.40	58.91	59.22	**59.47**	59.44	58.93	58.35

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	26.5	25.2	24.9	24.5	24.4	**24.3**	24.4	25.6	27.9	28.3	29	**29.2**
2	24.3	23.8	23.8	23.7	**23.6**	23.8	25	25.2	26.9	28.7	30.1	30.2
3	24.4	24.3	24.4	**24.1**	**24.1**	24.4	25	26.5	**28.1**	25	25.7	26.7
4	26.2	25.5	25.3	**25.2**	25.5	25.4	26.5	27.4	27.9	28.5	28	28.3
5	25.3	25.1	25	**24.7**	24.9	25	25.6	27.2	27.4	29	28.4	**30.3**
6	25.1	25	**24.8**	25.1	25.1	25	25.5	27.1	27.5	27.6	27.3	27.4
7	24.8	24.6	24.5	24.4	24.5	24.5	25	25.8	26.8	28.2	28	**28.3**
8	**22.8**	22.9	23	23.2	23.2	23.3	24	24.6	25	26	26.3	26.3
9	26.1	25.1	24.9	24.9	**24.8**	25	25.8	26.4	26.3	28.1	29.2	29.8
10	25.1	25	25	25.1	24.9	**24.7**	25.9	26.4	28	28.7	29.6	30
11	25.1	25.1	24.6	24.6	24.4	24.4	26	28	29.6	30.5	30.9	**31.6**
12	24	23.8	23.5	23.1	**23**	**23**	24	26	27.1	28	28.7	29.3
13	25	24.7	24.6	24.6	**24.1**	24.4	25.7	26.7	27.3	27.5	29.4	30
14	25	24.6	24.7	24.5	24.3	**24.1**	25.1	26.4	26.8	29.2	26.6	28.7
15	25	24.7	24.9	24.5	24.3	**24.2**	24.8	25.9	27.7	30	30.4	31
16	26.5	26.1	24.9	**24.2**	24.4	24.4	24.5	24.7	25.4	25.9	26.7	27.4
17	24.6	24.3	23.8	**23**	23.3	23.2	23.1	23.7	23.8	23.4	23.5	23.6
18	25.3	**25.1**	25.2	25.5	25.3	**25.1**	25.8	26.9	27.7	29.9	30.5	31.3
19	25.7	25.5	25.3	25.2	25.4	25.2	24.9	25.2	25.2	26.1	27.2	27.7
20	**22.7**	22.8	23.2	23.3	23	**22.7**	24.8	25.6	27.4	28.3	29.4	29.8
21	24.1	24.1	**23.9**	24	24.1	24.3	25.2	25.9	28.2	**28.3**	27.8	25.8
22	24	23.7	**23.6**	23.7	23.8	23.9	24.2	24.7	25.7	26	27.8	28.5
23	25.2	24.8	24.6	**24.5**	24.6	24.7	25.5	26.5	28.9	29.5	**29.6**	28.5
24	24.5	24	23.5	23.4	**23.3**	23.4	24.5	26.4	27.1	28.5	**29.3**	28.9
25	**23.1**	22.9	22.5	22.1	21.8	**21.7**	23.2	25.7	28.4	29	28.5	29.6
26	24.2	24.4	24.1	23.7	23.5	**23.3**	24.6	27.4	27.7	28.7	29.7	**29.8**
27	27.4	27.5	26.6	26.2	26.2	25.9	26.4	27.7	29.2	28.2	28.5	29.2
28	24.5	24.3	23.9	**23.5**	**23.5**	23.6	24.8	28.1	29.7	30.6	31	31.5
29	24.2	24	23.8	23.7	23.5	**23.4**	25	27	29	28.4	29.9	29.3
30	23.8	23.5	23.3	**23.2**	23.3	23.3	25.2	26.9	27.9	27.2	28.2	28.8
31	24.4	24.2	24.4	24.4	24.1	**23.8**	25	26	28.4	27.5	28.2	28.2
Mean	24.8	24.5	24.3	24.2	**24.1**	**24.1**	25	**26.2**	27.4	28	28.5	28.9

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
57.95	57.44	**57.07**	57.34	57.79	58.31	58.66	59.05	59.80	59.85	60.10	**60.25**	58.38
59.04	58.31	**57.98**	58.14	58.39	58.69	59.19	59.70	59.70	59.70	59.80	59.45	59.34
59.64	58.67	58.67	**58.64**	58.84	58.87	59.09	59.50	59.60	59.55	59.25	59.05	59.60
57.65	57.38	**56.86**	57.13	57.35	57.82	58.35	58.70	59.20	59.10	59.40	58.90	58.51
57.48	57.47	**56.82**	57.17	57.47	57.75	58.25	58.90	58.95	58.95	58.90	58.65	58.29
58.07	57.20	**57.19**	57.37	57.98	58.34	59.05	59.60	59.95	**60.05**	59.95	59.70	58.69
58.68	58.27	**57.79**	57.98	58.53	58.72	59.38	59.80	61	**61.10**	60.80	60.10	59.53
58.21	57.69	**57.46**	57.54	57.92	57.99	58.45	59.15	59.30	59.15	59.15	59	59.04
56.79	56.03	**55.74**	55.83	56.08	56.35	56.93	57.35	57.65	57.80	57.55	57.15	57.30
55.64	55.24	55.17	**54.77**	55.19	55.58	55.98	56.10	56.25	56.65	56.70	56.60	56.21
54.21	54.59	54.34	54.69	55.57	56.07	56.59	57.25	57.60	57.90	**58.30**	58	55.99
57.51	56.75	**56.40**	57.02	57.17	57.90	58.30	58.50	59.05	**59.60**	59.50	59.20	58.13
57.37	56.51	**56.43**	56.54	57.04	57.13	57.60	58.25	58.70	58.60	58.50	58.30	58.14
56.30	**55.99**	56.04	56.34	56.57	57.07	57.57	57.90	**58.35**	**58.35**	58.15	57.65	57.32
55.28	54.93	**54.62**	54.79	55.20	55.58	55.97	56.55	56.80	56.90	56.95	56.75	56.37
55.21	54.50	**54.24**	54.49	54.83	55.07	55.38	55.55	55.90	55.90	55.85	55.45	55.98
54.48	54.18	**54.08**	54.46	54.77	55.03	55.66	56.75	57	57.30	**57.45**	57.35	**55.44**
58.39	57.94	57.76	58.27	58.36	58.84	59.30	60.15	60.40	60.80	**60.90**	60.60	58.92
59.37	58.95	**58.55**	58.59	58.82	59.44	59.79	60.15	60.55	60.55	60.50	60.10	60.07
58.11	57.86	**57.54**	**57.54**	57.92	58.32	58.95	59.55	59.95	60.15	60.20	60	59.34
60.19	60.05	59.33	**58.53**	58.69	59.63	59.95	60.50	60.75	60.70	60.45	60.45	59.90
58.53	57.95	57.60	**57.53**	58.04	58.07	59.07	59.60	59.75	59.90	59.85	59.60	59.21
57.95	57.49	57.17	**57.12**	57.62	58.16	58.63	59.20	59.70	**60.05**	59.90	59.65	58.84
58.24	57.59	**57.21**	57.58	57.82	58.34	58.64	59.05	59.20	59.35	59.25	58.90	58.73
57.59	57.03	**56.89**	56.99	57.14	57.45	57.85	58.35	58.45	58.25	58.15	57.85	58.09
56.22	55.60	**55.38**	55.43	55.99	56.19	56.39	56.90	56.90	57.15	57.10	56.60	56.75
57.81	57.57	57.26	57.39	57.98	58.41	58.85	59.45	59.70	**59.75**	**59.75**	**59.75**	57.90
58.62	58.11	**57.91**	57.98	58.27	58.75	59.74	60.60	60.75	**60.90**	60.65	60.35	59.55
58.49	57.97	**57.77**	57.92	58.25	58.89	59.44	59.65	60	60	59.70	59.55	59.12
59.18	**58.64**	58.72	59.15	59.68	60.10	60.44	60.95	**61.50**	**61.50**	61.40	61.35	60
59.89	59.35	**59.07**	**59.07**	59.49	59.90	60.56	60.95	61.15	61.15	60.95	60.75	**60.53**
57.68	57.20	**56.94**	57.08	57.44	57.83	58.32	58.83	59.15	59.25	59.20	58.94	58.36

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
28.6	28.6	27.8	27.5	26.2	25.7	25.6	25.3	24.9	24.7	24.6	24.7	26.2
29.9	30.2	**30.6**	29.7	29.2	28	27.4	27.3	26.5	25.7	25.3	24.8	26.8
27.4	27.6	27.1	27.2	27	26.8	26.7	26.8	26.5	26.3	26.2	26.4	26
28.9	**29.9**	**29.9**	28.6	27.5	26.7	26.4	26.4	26	25.9	25.9	25.7	27
29.9	26.9	25	26.2	26.3	25.7	25.5	25.7	25.5	25.6	25.3	25.1	26.3
27.4	27.5	**28.3**	27.4	26.9	26.6	26.1	25.6	25.5	25.6	25.4	25.1	26.2
27.6	27.8	27.8	**28.3**	27.6	26.7	26.6	26.8	22.2	**22.1**	22.3	22.4	25.7
26.8	27	27.2	**27.3**	26.7	26.6	26.7	26.5	26	26.2	26	26	25.4
30.5	29.5	28.6	27.8	27.6	27	26.9	26.4	26.2	26.1	26.1	25.5	26.9
30.3	29.3	28.5	28.6	27.7	26.9	26.8	26.5	25.8	25.8	25.8	25.6	26.9
31.3	25.9	26.2	26	25.6	25.9	24.9	24.6	24.6	24.4	24.2	**24**	26.4
30	30.8	**31.5**	26.6	26.5	26.2	26.3	25.9	25.6	25.6	25.4	25.3	26.2
30.4	**30.8**	30	28.3	27.4	26.8	26.5	26.2	26.3	26	25.6	25.2	26.8
30	29.8	**30.1**	29.2	28.4	26.7	26.1	25.9	25.4	25	25.6	24.4	26.5
31.2	**31.3**	30.6	30.1	28.5	27.5	26.9	26.7	26.8	26.5	26.4	26	27.3
27.6	27.3	26.5	25.5	24.7	25.3	25.1	25.7	24.7	25.4	25.6	24.8	25.6
24.3	24.7	24.6	25.3	25.6	25.4	25.7	25.7	**25.9**	**25.9**	25.7	25.5	**24.5**
31.5	31.2	**31.6**	28.5	27.6	26.8	26.2	25.9	25.7	25.7	25.9	26	27.3
28.1	27.5	28.3	**29.2**	27.5	25.4	25.3	24.4	24	23.2	23	**22.8**	25.7
30.6	30.2	30.3	29.2	27.9	26.8	26.5	25.7	25.2	24.9	24.6	24.6	26.2
24.8	24.6	24.4	24.5	24.7	24.3	24.1	24.3	24	24.2	24.2	24.3	24.9
28.8	28.6	**29.9**	28.6	28	27.2	26.8	26.3	25.6	25.4	25.4	25.2	26.1
29.4	27.1	29.1	29.3	28.1	27	26.3	26.1	25.9	25.5	25.7	25.1	26.7
26.5	25.3	25.7	27	26.6	25.1	24.6	24.3	24.1	24	24	23.7	25.3
28.8	29.2	**30.2**	29.2	27.6	26.5	25.5	25.4	25.8	24.8	24.5	24.4	25.8
29.8	**29.8**	28.9	28.6	28.4	28.3	28.2	28.1	28	27.7	27.7	27.7	27.2
29.5	**30**	29.9	29.1	28.2	27.6	27.3	27.2	26.2	25.3	24.9	**24.5**	**27.4**
32	**32.3**	31.9	30.4	29	28.2	27.2	24.5	25.2	24.8	24.5	24.5	27.2
29.9	**30.9**	29.9	29.7	28.2	26.4	25.9	25.5	25.2	24.5	24.1	24.1	26.5
29.3	29	26	25.5	25.1	24.2	24.3	24.5	24.6	24.6	24.5	24.4	25.4
27.6	28.3	29.2	**29.8**	28.7	27.3	26.7	26.4	26.4	26.2	25.7	25.1	26.5
29	28.7	28.6	28	27.3	26.5	26.2	25.9	25.5	25.3	25.2	24.9	26.3

RELATIVE HUMIDITY (%).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	85	92	92	**95**	92	94	**95**	90	81	77	76	**75**
2	**96**	94	93	94	93	92	92	92	75	69	67	**62**
3	92	94	94	**96**	94	94	92	89	**80**	84	88	81
4	88	92	92	92.5	90	90	89	85	81	80	85	81
5	94	94	**96**	95	95	**96**	94	84	87	81	81	74
6	94	94	**95**	93	93	93	92	85	85	85	86	84
7	94	93	94	94	95	96	95	93	89	80	79	**78**
8	**97**	**97**	96	95	96	96	95	94	92	89	84	87
9	90	**97**	96	96	**97**	96	93	86	90	83	**76**	**76**
10	**95**	94	92	91	92	93	90	90	82	77	75	73
11	**96**	92	93	95	94	94	89	81	74	72	69	**68**
12	94	91	92	94	**95**	94	91	80	77	76	73	71
13	94	**96**	92	92	94	93	90	85	81	81	75	73
14	92	92	**96**	94	93	92	91	85	84	73	86	73
15	**91**	90	87	88	87	89	90	85	79	63	64	58
16	72	76	83	86	86	**87**	**87**	86	82	82	82	78
17	**74**	76	78	83.5	83	86	91	88	91	94	**96**	95
18	93	94	92.5	93	96	**98**	88	80	77	70	69	68
19	92	93	93	95	95	96	**97**	93	92.5	88	83.5	81.5
20	95	94	**97**	96	96	95	90	88	79	78	76	66
21	86	86	86	86	86	85	84	81	74	**72**	73.5	85
22	**99**	97	97	97	96	97	97	95	88	89	84	79
23	93	94	93	94	**95**	**95**	92	87	76	**75**	**75**	81
24	95	94	**97**	95	95	94	91.5	82	79	**70.5**	74	78
25	96	96	96.5	**97**	96	96	91	84	77	78	77.5	73
26	92	94	95	**97**	**97**	**97**	92	81	79	77	**67**	68
27	87	87	89	90	90	**93**	89	80	72	74	75	68
28	94	94	94	**97**	96	94	92	78	69	68	70	64
29	92	94	95	**96**	**96**	**96**	90	79	71	77	73	74
30	91	90	90	90	90	90	86	77	75	77	74	77
31	**97**	95	95	94	**97**	**97**	92	89	80	84	82	81
Mean	91.6	92.1	92.6	93.3	93.2	**93.5**	91.2	85.5	80.6	78.2	77.3	75.2

VAPOR PRESSURE (mm).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	21.8	21.8	21.4	21.7	21	21.2	21.6	22	22.6	22.1	**22.7**	22.6
2	21.6	20.6	20.4	20.5	20.1	20.2	21.7	21.8	**19.6**	20.2	21.2	19.9
3	21	21.2	21.3	21.4	21	21.3	21.7	**22.8**	22.6	**19.8**	21.5	21.1
4	22.2	22.2	21.9	22	21.8	**21.7**	22.8	23	22.6	23.2	23.9	23.2
5	22.6	22.3	22.5	21.9	22.2	22.5	22.9	22.6	23.5	**24**	23.3	23.6
6	22.3	22.1	22.1	22.1	22.1	22	22.2	22.7	23.2	23.3	23.1	22.6
7	21.9	21.4	21.5	21.3	21.7	21.9	22.4	22.8	23.3	22.8	22.1	22.3
8	**19.9**	20	**19.9**	20	20.2	20.3	21	21.6	21.7	22.3	21.3	22.1
9	22.6	22.9	22.4	22.4	22.5	22.5	22.8	22	22.8	23.4	22.8	23.6
10	22.5	22.1	21.7	**21.5**	21.6	**21.5**	22.4	23.1	22.9	22.5	23.2	23.1
11	22.7	21.7	21.4	21.8	21.3	21.3	22.1	22.7	22.8	23.2	22.8	**23.6**
12	20.8	20	19.8	19.7	19.8	**19.6**	20.1	20	20.4	21.3	21.3	21.5
13	22.1	22.2	21.1	21.1	21	21.2	22.1	22.1	21.7	22	22.9	23.1
14	21.7	21.2	22.2	21.5	21	**20.6**	21.5	21.7	22	21.9	22.2	21.4
15	21.3	20.8	20.3	20.1	19.7	19.9	20.9	21.2	**21.9**	19.8	20.6	19.4
16	18.5	19.1	19.5	19.4	19.4	19.7	20	19.8	19.8	20.4	**21.3**	21
17	**17**	17.2	17.1	17.4	17.6	18.2	19.1	19.1	20	20.1	20.6	20.5
18	22.2	22.3	**20**	22.6	23	**23.1**	21.9	20.9	21.2	21.9	22.4	23
19	22.5	22.6	22.3	22.6	22.9	22.8	22.6	22.2	22	22.1	22.4	22.4
20	19.4	19.3	20.4	20.3	19.9	19.4	20.9	21.6	21.4	22.3	**23.3**	20.6
21	19.1	19.1	**19**	19.2	19.1	19.1	20.1	20	20.9	20.7	20.4	21.1
22	22	21.2	21.1	21	**20.9**	21.5	21.7	21.9	21.7	22.1	23.5	22.8
23	22.2	21.9	**21.4**	21.5	21.8	21.9	22.2	22.4	22.4	22.8	23.2	23.4
24	21.7	20.8	20.7	20.3	**20.1**	**20.1**	20.9	21.1	21.1	20.4	22.5	23.2
25	20.1	19.8	19.5	19.2	18.7	**18.4**	19.3	20.7	22.3	**23.1**	22.4	22.5
26	20.7	21.3	21.1	21	21	20.7	21.2	22.1	21.9	22.5	**20.6**	21.1
27	23.5	**23.6**	23	22.8	22.8	23	22.7	22	21.8	20.9	21.6	20.5
28	21.5	21.2	20.7	20.7	20.6	**20.3**	21.3	22	21.5	22.1	**23.3**	22
29	20.7	20.8	20.8	20.8	20.6	20.4	21.2	20.9	21.2	22.3	**22.7**	22.3
30	20	19.3	19.2	**18.9**	19	19.2	20.5	20.4	21	20.6	21.2	**22.6**
31	21.9	21.3	21.6	21.3	21.5	**21.2**	21.7	22.1	23.1	23	23.2	23
Mean	21.3	21.1	20.9	20.9	**20.8**	20.9	21.5	21.7	21.8	21.9	**22.2**	22.1

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
78	75	78	81	88	88	90	89	91	88	89	90	86.2
64	64	63	68	71.5	78	81	84	88	92	93	92	81.6
82	80	83	84	83	84	85	83	87	87	88	86	87.1
77	76	77	80	84	86	89	89	93	92	94	94	86.5
73	75	89	89	90	94	95	93	95	95	96	95	89.6
82	80	79	83	89	90	92	93	93	93	94	93	89.2
87	83	84	78	85	87	89	86	97	98	97	97	89.5
86	84	82	84	85	87	87	88	90	89.5	89	91	90
76	77	77	78	81	83	84	88	89.5	91	91	94	86.9
72	74	77.5	79	86	86	91	91	93	93	94	93	86.4
69.5	93.5	90	88	85	81	87.5	88	87	89	91	93	85.8
69	67	66	80	82	85	87	90	89	90	93	93	84.1
64	65	67	82	86	86	81	85	87	86	88	92.5	84
71	68	67.5	76	79	86	89	91	92	91	88	95	85.2
57	58.5	60	62	63	67	67	69	68	70.5	71	77	73.4
78	77	79	84	83	74	76	72	78	72	71	72	79.3
93	94	94	93	89	87	85	87	85	86	88	90	87.8
63	64	63	76	83	84	89	88	91	91	91	90	83
82	84	78	76	82	93	89	95	95	95	94	94	89.9
63	67	61	65	67.5	74	74	79	83	86	85	82	80.7
92	94	95	95	96	97	98	97	98	97	98	98	89.1
76	75	73	79	82	88	86	89	91	92	93	92.5	88.8
79	91	81	79	85	90	90	93	89	91	92	92	87.6
86	93	94	86	91	95	95	96	97	97	97	97	90.4
74	71.5	71	75	82	88	93	93	91	94	91.5	92	86.4
72	72	76	76	77	79	78	81	79	81.5	83	84	82.3
68	65	63.5	71	73	76	78	80	84	88	91	93	80.2
60	53	61	70	78	80	78	91.5	91	92	93	91.5	81.4
73	66	69	71	79.5	82	85	85	82	87	90	90	83
72	74	81.5	89	92	96	96	97	97	97	97	97	87.2
84	82	77	75	81	90.5	92	92	93	93	96	97	89
74.9	75.7	76	79.1	82.5	85.2	86.3	87.8	89.1	89.8	90.5	91.2	85.5

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
22.7	21.9	21.6	22.2	22.2	21.5	22	21.4	21.2	20.4	20.4	20.8	21.7
20.1	20.3	20.7	21	21.5	21.9	22.1	22.5	22.6	22.5	22.2	21.3	21.1
22.2	21.9	22.3	22.6	21.9	22	22.1	21.6	22.4	22.1	22.2	22	21.8
22.8	23.8	24	23.4	22.8	22.3	22.7	22.7	23.1	22.8	23.4	23.1	22.8
23	19.6	21	22.4	22.9	23.1	23	22.9	23	23.2	23	22.5	22.6
22.2	21.8	22.5	22.5	23.4	23.4	23	22.5	22.4	22.5	22.7	22.1	22.5
23.7	23.1	23.2	22.3	23.3	22.7	23	22.6	19.3	19.4	19.5	19.6	22
22.4	22.3	21.9	22.5	22.1	22.6	22.7	22.6	22.5	22.6	22.1	22.7	21.6
24.5	23.7	22.3	21.6	22.3	22.1	22.1	22.4	22.6	22.9	22.9	22.8	22.7
23.2	22.3	22.4	23	23.7	22.8	23.8	23.4	22.8	23.1	23.2	22.5	22.7
23.6	23.2	22.8	21.9	20.8	20	20.5	20.3	20.1	20.2	20.5	20.7	21.8
21.7	22	22.6	20.6	21	21.6	22.1	22.4	21.8	22	22.3	22.2	21.1
20.6	21.6	21.3	23.3	23.3	22.4	20.8	21.6	22.1	21.5	21.6	22	21.9
22.5	21.1	21.4	22.8	22.7	22.5	22.5	22.6	22.1	21.3	21.4	21.6	21.8
19.3	19.8	19.7	19.8	18.3	18.3	17.7	17.9	17.8	18.1	18.2	19.2	19.6
21.3	20.7	20.3	20.3	19.1	17.6	18.1	17.7	18	17.4	17.2	16.7	19.3
21	21.8	21.6	22.2	21.8	20.9	20.9	21.3	21.2	21.4	21.7	21.8	20.1
21.6	21.5	21.7	22	22.8	22	22.4	21.8	22.3	22.3	22.6	22.5	22.1
23.3	22.8	22.3	22.8	22.4	22.3	21.4	21.6	21	20	19.6	19.3	22
20.5	21.3	19.5	19.5	18.8	19.3	19.1	19.4	19.9	20.1	19.5	18.8	20.2
21.3	21.6	21.6	21.7	22.2	22	21.9	22	21.8	21.8	22.1	22.2	20.8
22.4	21.7	22.7	23	23.1	23.6	22.6	22.5	22.1	22.1	22.3	22	22.1
23.9	24.3	24.3	23.8	23.9	23.7	22.8	23.3	22.2	22	22.5	21.9	22.7
22.2	22.3	23.1	22.7	23.5	22.5	21.8	21.6	21.5	21.4	21.4	21	21.6
21.8	21.5	22.8	22.6	22.5	22.6	22.4	22.5	22.4	21.9	20.9	21	21.3
22.4	22.4	22.5	22.1	22	22.5	22.1	22.9	22.1	22.4	22.9	23.1	21.9
20.8	20.5	19.9	21.2	20.8	20.8	21.1	21.4	21.2	21	21.2	21.3	21.6
21.3	20.7	21.5	22.7	23.3	22.8	21	20.9	21.6	21.5	21.3	20.9	21.5
22.7	22	21.5	21.9	22.5	21.1	21.2	20.7	19.5	19.8	20	20	21.2
21.7	22	20.3	21.7	21.9	21.5	21.6	22	22.2	22.2	22.3	22.1	21
22.9	23.6	23.2	23.2	23.7	24.3	23.9	23.5	23.7	23.4	23.5	22.9	22.8
22.1	21.9	21.9	22.1	22.1	21.9	21.8	21.8	21.6	21.5	21.5	21.4	21.6

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1					Ci.-Cu.	NEbyN	A.-Cu.	WNW	A.-Cu.	WNW		
2	A.-Cu.				A.-Cu.	N	A.-Cu.	N	A.-Cu.	N	Ci.-S.	
3	A.-Cu.	SW	A.-Cu.	SW	A.-Cu.							
4					A.-Cu.		Ci.-Cu.	S			Ci.-Cu.	S
5	Ci.		Ci.-Cu.	S	Ci.-Cu.	S	Ci.-Cu.	S	A.-Cu.		A.-Cu.	
6	A.-Cu.		A.-Cu.		A.-Cu.						Ci.-S.	
7	Ci.-S.	W	Ci.-S.		Ci.-S.		Ci.-Cu.	NE	Ci.-S.			
8	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.			
9	A.-Cu.	NW			A.-Cu.	NW	A.-Cu.	NW	A.-Cu.	NW	A.-Cu.	
10					A.-Cu.		A.-Cu.	SW	A.-Cu.	SW	A.-Cu.	
11	Ci.-S.		Ci.-S.		Ci.		Ci.		Ci.-S.			
12	Ci.-S.		Ci.		Ci.		A.-Cu.		Ci.		Ci.	
13	A.-Cu.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
14	A.-Cu.	NE					A.-Cu.	ENE				
15	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
16												
17												
18							A.-Cu.		Ci.-S.		A.-Cu.	
19											A.-Cu.	
20	A.-Cu.				A.-Cu.		A.-Cu.				A.-Cu.	
21	A.-Cu.				A.-Cu.							
22									A.-Cu.	NE	A.-Cu.	
23												
24	Ci.	NW	Ci.-S.	NW					A.-Cu.			
25												
26	Ci.		Ci.		Ci.-S.	ENE	Ci.-S.	ENE	Ci.-S.	ENE	A.-Cu.	NE
27	A.-Cu.		A.-Cu.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
28	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
29												
30	A.-Cu.				A.-Cu.						A.-Cu.	
31	Ci.-S.				A.-Cu.							

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Fr.-N.	WSW	N.		Cu.		Cu.-N.		Cu.		S.-Cu.	
2	S.-Cu.	SW	S.-Cu.	SW	S.-Cu.	SW	Cu.		Cu.		Cu.	
3	S.-Cu.		S.-Cu.		Cu.-N.	SW	N.	SWbyW	N.	SWbyW	N.	SWbyW
4	N.	W	N.	W	Cu.-N.	W	Cu.-N.	W	N.	W	N.	
5	Cu.-N.		Cu.		Cu.		N.-cf.		N.-cf.		Cu -N.	
6	Cu.		N.-cf.	E	N.		Cu.	E	N.		Cu.	
7	S.-Cu.		Cu.		S.		N.-cf.		Cu.	E	Cu.-N.	
8	N.		Cu.		S.-Cu.	NE	S.-Cu.	NE	S.-Cu.	NE	N.	
9	N.	W	N.	W	Cu.-N.		Cu.	WbyS	Cu.	WbyS	Cu.-N.	
10	N.	S	Fr.-N.	S	S.-Cu.	S	S.-Cu.	S	Cu.		Cu.	
11	Cu.		Cu.		Cu.		Cu.	ESE	Cu.	ESE	Cu.	
12	S.-Cu.		Cu.	SE	Cu.	SE	Cu.	SE	Cu.	SE	Cu.	SE
13	S.-Cu.		S.-Cu.		S.-Cu.		Cu.	NE	Cu.	NE	Cu.	NE
14	Cu.		N.		N.		N.		N.	NE	N.-cf.	
15	S.-Cu.		S.-Cu.		Cu.	ENE	S.-Cu.	ENE	Cu.		Cu.	
16	N.	E	N.	E	Fr.-N.	E	N.	ENE	N.		Fr.-N.	
17	Fr.-N.	EbyN	N.		N.		N.		N.		N.	
18	S.-Cu.	SE	S.-Cu.	S	S.-Cu.		Cu.		Cu.		Cu.	
19	N.		N.		Fr.-N.		Cu.-N.		Cu.-N.		Cu.	
20	Cu.	E	Fr.-N.		Cu.	NEbyE	Cu.	NEbyE	Cu.	NEbyE	Cu.	
21	Cu.-N.	ENE	Fr.-N.		S.-Cu.	ENE	N.-cf.	ENE	Cu.-N.	E	N.	
22	N.	SE	N.	SE	Fr.-N.	E	N.	E	N.		Cu.	
23	S.-Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	E
24	Cu.		Cu.		S.-Cu.	EbyN	Cu.	EbyN	N.-cf.	ENE	N.-cf.	
25	Cu.		Cu.		Cu.		Cu.	ENE	Cu.	ENE	Cu.	ENE
26	S.-Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
27	Cu.		Cu.-N.	SW	Cu.-N.	SW	Fr.-N.	SW	Fr.-N.	SW	Cu.	
28	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
29	Cu.		Cu.		Fr.-Cu.		Cu.	ENE	Cu.	ENE	Fr.-Cu.	ENE
30	S.-Cu.	ESE	Fr.-Cu.	SE	Cu.	SE	N.	ESE	Cu.-N.	E	Cu.-N.	
31	S.-Cu.		S.-Cu.	E	S.-Cu.	E	N.-cf.	E	N.-cf.	E	N.-cf.	

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
		A.-Cu.		Ci.-S.				A.-Cu.			
Ci.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.		Ci.-S.	
										A.-Cu.	
Ci.-S.	S	Ci.-S.		Ci.		Ci.		Ci.		Ci.	
Ci.		Ci.		Ci.		Ci.-Cu.		A.-Cu.		Ci.	
Ci.		Ci.-S.				Ci.-S.		Ci.-S.		Ci.	
				Ci.-S.						Ci.-S.	
A.-Cu.	NW	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.	
Ci.-Cu.											
Ci.		Ci.		Ci.-S.		Ci.-S.		Ci.-S.			
Ci.-S.		A.-Cu.	NE	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.		Ci		Ci.		Ci.		Ci.		Ci.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.		Ci.		Ci.-S.	
Ci.		Ci.		Ci.	WSW	Ci.		Ci.		Ci.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.					
A.-Cu.		A.-Cu.		A.-Cu.				Ci.		Ci.-S.	
Ci.											
								Ci.		Ci.	
		Ci.								Ci.	
Ci.-S.	ENE	A.-Cu.		Ci.-S.						Ci.-S.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	NW	Ci.-S.	NW	Ci.-S.	
Ci.		Ci.		Ci.		Ci.-S.		Ci.			
				Ci.-S.		Ci.-S.		A.-Cu.		Ci.-S.	
		Ci.				A.-Cu.		A.-Cu.			

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
N.-cf.	WSW	Cu.-N.	WSW	S.-Cu.	WSW	S.-Cu.	WSW	Cu.-N.	WSW	N.	
Cu.		Cu.		Cu.		Cu.-N.		Cu.-N.		Cu.-N.	
N.-cf.	SWbyW	Cu.-N.	SWbyW	Cu.-N.	SWbyW	Cu.-N.		S.-Cu.		S.-Cu.	
Cu.	W	Cu.	W	Cu.	W	Cu.-N.		Cu.-N.		Cu.-N.	
Cu.-N.		Cu.-N.		N.		Cu.-N.		S.-Cu.		Cu.	
N.		Cu.-N.	NE	Cu.-N.	NE	N.	NE	N.		Fr.-N.	
Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	
N.-cf.	W	N.-cf.	W	N.-cf.	WbyS	Fr.-N.	WSW	Fr.-N.	WSW	Cu.-N.	
S.-Cu.	WbyS	Cu.-N.	WbyS	Cu.-N.	WbyS	S.-Cu.	WSW	Cu.-N.	WSW	Cu.-N.	
Cu.-N.	SW	Cu.-N.	SW	Cu.-N.	SW	Cu.-N.	SW	Cu.-N.	SWbyS	S.-Cu.	
N.-cf.	SE	N.	SE	Cu.-N.	SE	N.-cf.	SE	Fr.-N.	SbyW	Cu.-N.	
Cu.		Cu.	ESE	Cu.	ESE	Cu.-N.	EbyS	Cu.-N.		Cu.-N.	
Cu.-N.		Cu.	NNE	Cu.-N.		Cu.-N.		Cu.-N.		S.-Cu.	
Cu.-N.	NE	N.	NE	Cu.-N.	NE	Cu.-N.	NE	Cu.-N.		Cu.-N.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Fr.-N.	E	Fr.-N.	E	Fr.-N.	E	Fr.-N.	E	N.	E	N.	
N.		N.		N.		Fr.-N.		Cu.-N.	SE	Cu.-N.	SE
Cu.		Cu.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	
N.-cf.		N.-cf.	E	N.-cf.	NE	Cu.	NE	N.		N.	
Cu.		Cu.	NEbyE	Cu.	NEbyE	Cu.		Cu.		Cu.	
N.		N.		N.		N.		N.		S.-Cu.	
Cu.	E	N.-cf.	E	N.-cf.	E	N.-cf.		Cu.-N.	E	Cu.-N.	
Cu.-N.	E	Fr.-N.	E	Cu.	E	Cu.	E	Cu.-N.	E	Cu.-N.	
N.	E	Fr.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.		Cu.	
N.-cf.	ENE	N.-cf.	ENE	Cu.-N.	ENE	Cu.-N.	ENE	S.-Cu.	ENE	Cu.	
Cu.	NNE	Cu.	NNE	Cu.-N.		Cu.-N.	NW	S.-Cu.	NW	Cu.-N.	
Cu.-N.		Cu.-N.		Cu.-N.		Cu.-N.		Cu.		S.-Cu.	
Cu.		Cu.		Cu.		Cu.-N.	SW	Fr.-Cu.	SW	N.	
Cu.	ENE	Cu.		Cu.	ENE	Cu.-N.	ENE	S.-Cu.	ENE	Cu.-N.	
S.-Cu.	E	S.-Cu.	E	N.		N.	E	N.		N.	
Fr.-N.	E	N.-cf.	E	N.-cf.	E	Cu.-N.	E	Cu.-N.		Cu.-N.	

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	W	5	N	2	N	2	NE	1	Calm		NNE	0.5
2	NNE	3.5	NbyE	4	NNE	2	NNE	1	Calm		Calm	
3	Calm		Calm		S	.5	Calm		Calm		Calm	
4	WSW	.5	W	1	Calm		SSW	2.5	SW	5.5	WbyS	3.5
5	Calm		Calm		SE	1	Calm		Calm		Calm	
6	NEbyE	1	Calm		Calm		Calm		Calm		Calm	
7	Calm		Calm		Calm		Calm		Calm		Calm	
8	Calm		Calm		Calm		Calm		Calm		Calm	
9	WSW	1.5	S	.5	Calm		Calm		Calm		SSW	1.5
10	Calm		SSE	1.5	SSE	2	S	.5	Calm		SSE	1
11	Calm		NNW	2	N	1	NNE	1	NNE	1	Calm	
12	SSE	1.5	SSE	1	SSE	1	SSE	1	SSE	1	Calm	
13	ESE	1	ESE	1	Calm		ESE	1	Calm		Calm	
14	NNE	.5	Calm		NNE	1	NNE	1.5	NNE	1	NNE	1
15	N	2	N	2.5	N	3	N	3	NE	3	NE	3
16	NNE	3	NNE	1	NNE	1	NNE	1	Calm		Calm	
17	N	8	N	10	NNE	17.5	N	6.5	N	7	N	6.5
18	Calm		Calm		SE	1	SE	1.5	SSE	1.5	ESE	1
19	ESE	1	ESE	1	ESE	1.5	Calm		Calm		Calm	
20	Calm		Calm		Calm		N	.5	NNE	.5	NNE	1.5
21	NNE	1	NNE	2	NE	2	NE	1.5	N	1.5	NE	.5
22	Calm		NE	.5	Calm		Calm		Calm		Calm	
23	Calm		Calm		SSE	.5	Calm		Calm		Calm	
24	N	1.5	NE	1.5	NE	1.5	N	1	N	1	NNW	1
25	Calm		Calm		Calm		Calm		Calm		Calm	
26	Calm		Calm		Calm		Calm		Calm		Calm	
27	SWbyS	5.5	SW	6.5	SbyW	5	SbyW	5.5	SbyW	4	SSE	2
28	Calm		Calm		Calm		Calm		Calm		Calm	
29	Calm		Calm		Calm		SSE	1	Calm		Calm	
30	Calm		Calm		Calm		Calm		Calm		Calm	
31	Calm		Calm		E	1.5	NE	2	Calm		Calm	
Mean		1.2		1.2		1.5		1.1		0.9		0.7

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	W	6	W	7.5	W	2.5	W	3	NW	4.5	NNW	5
2	Calm		W	2.5	WNW	1	WNW	.5	NW	1.5	W	2.5
3	WSW	7	SW	2.5	WSW	2	WSW	2.5	WSW	3.5	WSW	3
4	SSW	3.5	SSW	4.5	SW	3	SSW	2.5	SSW	2	S	3
5	W	3	W	1.5	Calm		SE	.5	Calm		Calm	
6	W	2.5	WbyN	4.5	Calm		Calm		Calm		Calm	
7	WNW	1.5	WSW	1.5	SW	1.5	SW	.5	SSW	1.5	S	.5
8	W	1	W	1	WSW	1.5	WSW	3.5	WSW	4.5	SWbyW	4
9	WbyS	4	WSW	5	WSW	4	WSW	6.5	WSW	5	WSW	4.5
10	W	3	W	7	NWbyN	5	NW	2	W	.5	Calm	
11	SSE	4.5	S	6.5	SSE	2	SSE	4	SSW	7	SW	4
12	WSW	2	W	2.5	WSW	1	ENE	6	ENE	1	Calm	
13	NNE	6	N	5.5	N	7	Calm		Calm		Calm	
14	NNE	2.5	NEbyN	6	NNE	5	SSE	1.5	Calm		Calm	
15	NEbyN	8	NEbyE	9	NNE	8.5	NEbyN	5.5	NNE	7	NNE	6
16	NbyE	7.5	N	10	NbyE	7.5	NbyE	6	NNE	8	NNE	6
17	NbyE	6	NbyE	2.5	NbyE	3.5	NE	2	ENE	2	E	3
18	SSE	2.5	SE	2	SE	1	Calm		W	.5	NE	1.5
19	NW	1.5	NW	1	Calm		Calm		SW	1	Calm	
20	NE	4.5	NEbyN	4	NNE	4	NNE	1.5	NNE	4.5	NNE	1
21	Calm		Calm		Calm		Calm		SW	1	Calm	
22	W	3.5	W	2.5	SW	1	S	2	S	1	Calm	
23	W	2.5	SSW	3	SE	1.5	Calm		S	1.5	SSE	1.5
24	NW	2	Calm		Calm		Calm		Calm		Calm	
25	W	4	WSW	2	SW	2	SW	1.5	SSW	1.5	S	1
26	WSW	6.5	WSW	6	WSW	9	WSW	8.5	WSW	6.5	WbyS	5
27	SW	3	SW	5	SW	4	SSW	2.5	SSW	6	SSW	2.5
28	SE	1.5	SE	1.5	SSW	1	WbyS	4	WSW	4.5	WSW	4
29	W	2.5	WSW	1.5	Calm		SSE	.5	Calm		Calm	
30	WSW	3	Calm		NE	6	N	4	N	2	Calm	
31	NNW	3	NNW	2	NbyW	3.5	N	2	N	1.5	Calm	
Mean		3.5		3.5		2.8		2.4		2.6		1.9

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
Calm		NE	1	Calm		Calm		WNW	1.5	W	3.5
Calm		Calm		WNW	1	NWbyN	3.5	WNW	1	WbyS	2
Calm		Calm		S	2	SW	7.5	SSW	4	WSW	8
WSW	2	WSW	6	Calm		SW	3	SW	1.5	SSW	5
Calm		SSE	1	Calm		SW	1.5	WbyS	2	W	2.5
Calm		Calm		NW	.5	N	3.5	NNW	2	W	2
Calm		Calm		Calm		WbyN	1.5	WNW	3.5	WNW	4.5
Calm		Calm		Calm		Calm		SSW	1	WSW	1
SW	2	SSW	4	WSW	4	W	1	WSW	3	WbyS	5.5
SbyW	4	SSE	1.5	SSW	2	SSW	1.5	WbyS	2	WbyS	4
Calm		ENE	1	SE	4	ESE	1.5	SE	6	SE	4.5
Calm		Calm		SW	1	WSW	1.5	W	1.5	W	2
Calm		Calm		WNW	.5	W	2	NNE	2.5	NNE	1.5
N	1	NNE	1	NbyW	3	N	1.5	N	1.5	NNE	3.5
ENE	1.5	Calm		Calm		NbyE	4	NE	6.5	NE	5.5
NNE	2.5	N	4	NNE	2.5	NbyW	4	NbyW	6	NbyE	5
N	2	N	4.5	NE	1	N	6	N	7.5	NbyE	5
ESE	2	ESE	3	ESE	2.5	SE	1	SE	3.5	SSE	5.5
E	.5	Calm		ESE	.5	N	1.5	NW	3.5	NW	2
Calm		NE	.5	NNE	1	Calm		WNW	1	NNE	1.5
N	1	NE	1.5	NNE	1.5	NNE	1.5	NNW	2	S	1.5
Calm		Calm		Calm		Calm		Calm		WbyN	2
Calm		Calm		Calm		WSW	1	W	4.5	W	1
NNW	2.5	NW	1	NNW	1	N	1	WSW	2	WSW	1
Calm		Calm		Calm		SSW	1.5	WbyS	3.5	WSW	3
Calm		WNW	1	NWbyN	1.5	WSW	1	WSW	2.5	SWbyW	6.5
SW	4	S	4	SbyW	10	SbyW	7	SSW	2.5	SW	3
Calm		SE	1	ESE	1	SE	1.5	SSE	1.5	SE	2.5
Calm		Calm		SE	1	Calm		W	2	WNW	2
Calm		NW	1.5	W	2	NW	.5	WSW	1.5	W	3
Calm		Calm		NNE	2	Calm		WNW	2	NW	1
	0.8		1.2		1.5		2		2.7		3.2

WIND—DIRECTION AND FORÇE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		Midnight.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
N	3.5	N	2.5	NNE	2.5	NbyE	2.5	NbyE	2.5	NNW	4	2.6
W	3	WbyS	1.5	Calm		Calm		Calm		S	.5	1.3
W	1.5	WSW	2.5	SW	2	SSW	1.5	SW	1	SW	2	2.2
SSE	1	S	.5	SSE	.5	Calm		Calm		Calm		2.1
Calm		SEbyS	.5	SEbyS	.5	Calm		Calm		NEbyE	1.5	.6
Calm		S	.5	Calm		Calm		S	.5	S	.5	.7
S	1.5	SSW	1	NbyW	10	NW	1	SbyW	.5	S	.5	1.3
WSW	4.5	SW	1.5	SSW	.5	SSW	2	SW	3	SW	1	1.2
SW	2	SSW	1.5	SWbyS	2	SSW	.5	SbyW	1.5	S	.5	2.5
Calm		SEbyS	1	Calm		Calm		Calm		Calm		1.6
Calm		SSE	1.5	SSE	1.5	SSE	1	Calm		SSE	.5	2.3
Calm		Calm		Calm		SEbyE	1.5	Calm		SEbyE	1	1.1
ENE	1	Calm		Calm		Calm		Calm		Calm		1.2
Calm		S	1.5	N	1	N	1.5	N	1	N	1	1.6
NNE	2.5	NNE	3	N	4	NNE	4.5	NNE	2.5	NE	1.5	4
NNE	6	NNE	9	NNE	8	NNE	7	NNE	8	NbyE	11	5.2
ESE	4	ESE	1.5	ESE	2.5	ESE	2	SEbyE	1.5	ESE	1.5	4.7
NE	1	ENE	1.5	ENE	1	ENE	1	Calm		ESE	1.5	1.5
ENE	1.5	Calm		Calm		Calm		Calm		Calm		.7
NNE	2	NE	1.5	NE	.5	Calm		Calm		NNE	1	1.3
Calm		Calm		Calm		Calm		Calm		SE	.5	.8
Calm		Calm		Calm		Calm		Calm		Calm		.5
SSE	.5	Calm		NW	1	WNW	2.5	NNW	2	N	2	1
S	.5	Calm		Calm		NW	1	Calm		Calm		.8
Calm		Calm		S	1	Calm		Calm		Calm		.9
WSW	6	WSW	6	WSW	8	WSW	7.5	SWbyW	7	SW	6	3.9
SbyW	2	S	1.5	S	1	Calm		Calm		Calm		3.6
ESE	2.5	NW	3	Calm		Calm		Calm		Calm		1.2
SSE	1.5	SEbyS	1	Calm		Calm		Calm		Calm		.5
Calm		Calm		Calm		Calm		Calm		Calm		1
Calm		ESE	.5	SE	1	SE	.5	Calm		Calm		.9
	1.5		1.4		1.6		1.2		1		1.2	1.8

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	**20.5**	13.5	5.5	4	1.5	1.5	4.5	5	3.5	5.5	7.5	8.5
2	15	**16**	11	4	1	2	0	0	4.5	11.5	6	7.5
3	.5	0	1.5	.5	2	3	2.5	3.5	3.5	19	**23.5**	14.5
4	**6**	7.5	10.5	2	15	**22**	12	19.5	8.5	6	9	12
5	**1.5**	2	2.5	2	.5	0	**1**	5	4	5.5	8.5	7
6	4.5	1.5	0	1.5	.5	1	3	4	8	8	9	8.5
7	1	1.5	.5	.5	.5	0	3	2.5	1	4	13	13.5
8	1.5	1	2.5	1.5	0	0	3.5	2.5	0	2.5	2.5	4
9	7	7	1	.5	0	1	**6**	5	6.5	10	9	12
10	1	4.5	7	6	4	2	**4**	4	6	5	7	10
11	0	6.5	3	3	4	3.5	4	4.5	7.5	13.5	18	19
12	3.5	5	3	3.5	3.5	2.5	**3**	2	2.5	5	9.5	9
13	1	1.5	0	3	1	.5	.5	1	2	5	10.5	14
14	4.5	1.5	3.5	4	3.5	3.5	3.5	5	12	9	12	7
15	8	13	12	16	14	12	8	2.5	4.5	9	23.5	24.5
16	17	15	3	2	4	.5	2.5	14	14.5	10.5	21	20
17	35.5	37	**41**	30	22.5	22	13	18	11	15.5	25	26.5
18	9	7	10	9.5	9	10.5	8.5	12	9.5	11	12	9
19	5	3	5	.5	.5	**3**	5	3	1	5	**10**	8.5
20	.5	2	1.5	2.5	5	6.5	4	4	5.5	6	5.5	10.5
21	2	6	7	6	10	4	3	7	4.5	**15.5**	15	12
22	1	2	2	0	0	0	0	.5	1	1.5	1	6
23	.5	0	1	1	0	.5	2.5	1.5	3.5	4	8.5	10
24	5.5	7.5	6	4	2.5	6.5	6.5	5.5	5	6.5	8.5	6.5
25	0	.5	1	0	.5	2.5	.5	2.5	5	4	**17**	13
26	1	1.5	2	0	0	2.5	2	1.5	7.5	5	12	19
27	23	21	**30**	17	16	10	12	15	17	18	13	11.5
28	.5	0	0	0	.5	.5	1	3.5	7	8.5	11	10
29	0	1	.5	.5	1.5	.5	2	4.5	2.5	4	7	7.5
30	.5	1	1	1	0	0	.5	2	3	3	5	6
31	0	.5	.5	4	2	0	0	1	2	6	**12**	5
Mean	5.7	6	5.6	4.2	4	4	**3.9**	5.2	5.6	7.8	11.4	11.4

AMOUNT OF CLOUDS (0–10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	10	10	5	8	8	10	10	9	9	10	10	10	9.1	**0** 45
2	9	10	7	5	3	2	3	3	3	7	8	9	5.8	**6** 30
3	8	10	9	10	10	10	10	10	10	10	10	10	9.8	**0** 10
4	10	10	7	6	10	6	8	9	9	9	10	9	8.6	**5** 40
5	7	4	6	5	5	7	9	9	9	9	9	7	7.2	**5** 10
6	8	10	10	10	10	10	10	10	10	10	10	10	9.8	**0 00**
7	9	9	10	6	7	9	9	10	10	9	10	10	9	**1** 55
8	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
9	9	9	7	8	8	8	10	10	10	10	10	10	9.1	**2** 45
10	10	10	10	10	7	7	9	10	10	10	10	10	9.4	**2** 15
11	4	3	3	3	6	7	10	10	10	10	10	10	7.2	**4** 10
12	8	8	7	6	7	8	5	6	8	10	10	10	7.8	**7** 20
13	10	9	9	9	9	9	7	7	8	8	7	7	8.2	**2** 25
14	5	10	9	6	10	9	9	10	8	10	10	10	8.8	**1** 15
15	10	10	10	8	7	5	9	10	10	8	9	10	8.8	**3** 05
16	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
17	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
18	10	10	9	7	5	5	3	7	10	10	8	8	7.7	**5** 50
19	10	10	10	9	9	9	9	9	8	4	9	10	8.8	**2** 15
20	4	9	4	7	7	6	7	7	8	9	8	8	7	**5** 45
21	8	10	6	9	10	10	10	10	10	10	10	10	9.4	**0** 55
22	10	10	10	10	8	6	7	10	9	9	10	10	9	**2** 50
23	10	4	4	4	6	8	8	8	4	4	9	9	6.5	**5** 55
24	1	2	9	3	6	8	10	9	7	8	6	4	6.1	**3** 55
25	0	0	0	1	7	8	9	9	10	10	10	9	6.1	**6** 50
26	3	2	4	6	6	6	9	9	10	10	10	10	7.1	**4** 25
27	8	10	10	10	10	10	10	10	8	8	8	9	9.2	**0** 35
28	3	2	3	2	4	4	2	**2**	3	4	4	7	**3.3**	**9 45**
29	0	0	0	4	3	2	2	3	8	7	8	8	3.8	**8** 20
30	7	7	8	10	9	9	9	8	10	10	10	10	8.9	**3** 30
31	2	9	7	10	9	9	9	8	8	7	6	9	7.8	**3** 20
Total														107 35
Mean	**7.2**	7.6	**7.2**	**7.2**	7.6	7.6	8.1	8.5	8.6	8.7	9	**9.1**	8	3 28

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon-1 p.	1-2 p.	2-3 p.	3-4 p.	4-5 p.	5-6 p.	6-7 p.	7-8 p.	8-9 p.	9-10 p.	10-11 p.	11-Mdt.	Mean.
17.5	20	16	11.5	14.5	12	14	13	11	10	10	12	10.1
4	11	8	5	7	11.5	7.5	6.5	2.5	.5	1	1.5	6
22	18	18	14	8	14	6.5	14.5	8	6	6	7	9
12.5	13.5	11	10	8.5	9	8	4.5	2.5	3	3.5	1	9
10.5	9	5.5	1	4.5	0	.5	1	2	2	.5	5.5	3.4
10.5	**11.5**	7	3	2	0	0	1.5	2.5	1	.5	2	3.8
5	1	4	3	2	3	4	7	**24.5**	5.5	3	1.5	4.4
6	4	5	5.5	**19**	15.5	14.5	11.5	4	4.5	10	3.5	5.2
20.5	22.5	24	**26**	22	19	14.5	7	6.5	2.5	5.5	5.5	10
14	21	**25**	9	2	1.5	.5	4.5	2.5	0	1.5	2	6
21	**24**	11	12	21	19.5	6	2.5	4.5	5.5	2.5	1	9
9.5	10	6.5	13	**14**	6.5	2.5	1	3	3	1	3.5	5.2
25.5	22	22	14.5	5.5	1.5	4	3.5	1	2	0	1	5.9
22	**22**	21	13	4	2	2.5	1.5	5	2.5	8	2.5	7.3
37	25	27	21	27	22	19	16	16.5	13.5	10.5	9.5	16.3
25.5	30	30.5	31.5	30.5	37	24.5	34.5	31.5	36	30	**40.5**	**21.1**
25	22.5	18.5	9.5	8	11.5	10.5	11.5	12	13	10	8	19
12.5	9.5	11	7	3.5	6.5	5.5	5	3	2.5	2	4	7.9
10	7.5	5.5	4	3.5	4	4	4	.5	1.5	2.5	1.5	4.1
20	16	**23**	17	16	9	11	7	2.5	2.5	0	2	7.5
7	2	.5	.5	5	2.5	.5	.5	1	.5	0	1	4.7
11.5	6.5	2	4	4.5	2.5	1	1	1	1	1	.5	**2.1**
6.5	6.5	5	3.5	5.5	2.5	2.5	1.5	2.5	**11.5**	10.5	8.5	4.1
12	1.5	.5	1	1	1	.5	0	0	1	0	.5	3.7
13.5	6.5	10	4.5	4.5	2.5	1.5	3	4.5	2.5	1	1	4.2
23	18	**29**	25	27	22	24	23	**29**	24	28	24	14.6
11.5	16	17	13.5	11.5	8	6	9	3.5	.5	.5	0	12.5
7	6.5	5	14.5	13	**18**	13.5	8.5	4	1	1	2	5.7
9.5	8	4	2	1	1.5	2.5	4	2	0	0	0	2.8
8.5	5.5	**14.5**	10.5	7	8	.5	.5	.5	.5	0	0	3.3
5.5	11	7.5	10	7.5	.5	1.5	1	4	4	.5	0	3.6
14.4	13.2	12.7	10.3	10	8.8	6.9	6.8	6.4	5.3	4.9	4.9	7.5

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1	4	4	2										6	1	1	2	4	242	2	2.9
2		4							1				5	4	1	1	8	144.5	3.4	1.8
3									2	2	5	7	1				7	216.5	1.3	.8
4								2	2	6	4	3	2				5	217	1.9	9
5				1			2	3			1		4				13	81.5	1.7	.9
6	1			1					3				2	1	1	1	14	91	.5	.6
7	1								3	3	2	1		4	1		9	104.5	1.7	28.4
8										3	3	6	2				10	124.5	1.2	.8
9									2	5	3	8	3				3	240.5	2.7	3.4
10								5	1	3			5		1	1	8	144	2.6	1.3
11	1	2		1		1	3	7	1	1	1	3	3			1	5	217	2.2	5.7
12				2			2	5			1		1	1			8	125.5	2.9	
13	2	3		1		3											13	142.5	2.8	.8
14	8	9	1					1	1								4	175	2.5	3
15	5	8	8	1													2	391	5.4	
16	4	18															2	506	2.6	2.8
17	9	5	2	1	1	5	1						1					457	1.1	19.3
18			2	3		5	6	3									4	189	3.1	
19	1			1	1	4					1				4		12	98	1.4	7.9
20	1	10	5											1			7	179.5	3.8	.8
21	2	4	4				1		1		1					1	10	113	.9	6.6
22			1						2		1	1	2	1			17	51.5	1.8	2.7
23	1						1	3	1	1		2	3	1	1	1	10	99.5	1.6	2.8
24	4		2						1			2			3	3	9	89.5	.8	23.2
25									2	2	2	2	2				14	101.5	2.5	.1
26											1	13	1	1		1	7	350	3.9	
27								1	3	10	7						3	300.5	2.9	2.5
28						1	5	2		1		2	1		1		11	136.5	3.3	25.9
29							1	4				1	2	1			15	66	3.2	
30	2		1									2	2		2	1	15	79	1.6	15.8
31	3	1	1		1	1	2							1	1	2	11	86	1.5	.6
Total	49	68	29	12	3	20	24	36	26	37	33	51	48	17	17	14	260	5,559.5	70.8	170.4
Mean	1.6	2.2	0.9	0.4	**0.1**	0.6	0.8	1.2	0.8	1.2	1.1	1.6	1.5	0.5	0.5	0.5	**8.4**	179.3	2.3	5.5

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°C.		*P. ct.*	*mm.*	*mm.*		°C.		*P. ct.*	*mm.*
1	760.40	11.30p.	30.2	11.50a.	95	22.7	757.07	3.00p.	23.6	5.15a.	75	20.4
2	60.80	9.05a.	31.8	2.40p.	96	22.6	57.90	3.05p.	22.7	4.30a.	62	19.6
3	61.40	9.40a.	30.2	9.20a.	96	22.8	58.60	3.35p.	23.7	4.50a.	80	19.8
4	59.80	9.30a.	30.6	2.50p.	94	24	56.80	2.50p.	24.6	5.25a.	76	21.7
5	59.70	9.15a.	31.9	1.35p.	96	24	56.82	3.00p.	24.5	4.05a.	73	19.6
6	60.35	9.30p.	28.6	3.05p.	95	23.4	57	2.15p.	24.3	4.40a.	79	**21.8**
7	61.30	9.10p.	30.8	11.15a.	98	23.7	57.70	3.20p.	22.1	10.00p.	78	19.3
8	60.60	9.30a.	28.2	2.30p.	97	22.7	57.40	4.20p.	22.4	0.05a.	**82**	19.9
9	58.95	0.05a.	31.2	1.15p.	97	**24.5**	55.70	3.15p.	24.4	5.40a.	76	21.6
10	57.55	9.10a.	31.7	0.40p.	95	23.8	54.75	3.15p.	24.4	5.55a.	72	21.5
11	58.35	11.15p.	32	0.05p.	96	23.6	54.15	1.15p.	23.7	11.55p.	68	20
12	59.80	10.15p.	32.5	3.35p.	95	22.6	56.30	2.50p.	22.5	5.45a.	66	19.6
13	59.65	8.40a.	32	1.55p.	96	23.3	56.35	2.40p.	23.6	5.35a.	64	20.6
14	58.40	9.25p.	31.2	1.10p.	96	22.8	55.90	3.25p.	23.8	5.50a.	67.5	20.6
15	57.60	0.05a.	32.2	0.05p.	91	21.9	54.50	2.50p.	23.8	5.50a.	**57**	17.7
16	57.80	9.25a.	28.9	1.40p.	**87**	**21.3**	54.15	3.30p.	23.6	3.35a.	71	**16.7**
17	**57.50**	11.45p.	**26.3**	9.15p.	96	22.2	**53.95**	3.25p.	22.5	4.10a.	74	17
18	60.95	10.55p.	32.6	2.50p.	98	23.1	57.10	2.50a.	**24.8**	5.55a.	63	20
19	**61.85**	9.25a.	30.5	4.20p.	97	23.3	58.55	3.00p.	22.8	11.55p.	76	19.3
20	60.74	8.00a.	32	2.35p.	97	23.3	57.45	3.50p.	22.5	1.40a.	61	18.8
21	61.05	9.45a.	29.9	9.40a.	98	22.2	58.40	4.10p.	23.4	5.40a.	72	19
22	60.85	9.30a.	30.9	3.20p.	**99**	23.6	57.50	3.55p.	23.1	3.15a.	73	20.9
23	60.10	8.50a.	31	9.50a.	95	24.3	57	3.35p.	24.1	4.15a.	75	21.4
24	60	9.30a.	30.4	10.55a.	97	23.5	57.10	2.50p.	23.1	4.50a.	70.5	20.1
25	59.50	9.05a.	31	3.05p.	97	23.1	56.85	2.35p.	**21.7**	5.05a.	71	18.4
26	58.15	9.30a.	31.6	11.25a.	97	23.1	55.15	3.25p.	23	5.35a.	67	20.6
27	59.80	11.05p.	31.2	2.40p.	93	23.6	55.65	2.20a.	24.3	11.55p.	63.5	19.9
28	60.95	9.35p.	**33.3**	2.25p.	97	23.3	57.80	3.45p.	23.2	5.20a.	**57**	20.3
29	60.20	9.20a.	32.4	2.15p.	96	22.7	57.70	2.30p.	22.7	5.50a.	66	19.5
30	61.55	9.40p.	31	2.15p.	97	22.6	58.45	2.15p.	22.7	3.55a.	72	18.9
31	61.60	9.05a.	31	3.20p.	97	24.3	**59**	3.20p.	23.2	6.05a.	75	21.2
Mean	759.91	.....	30.9	.....	95.8	23.2	756.73	.....	23.4	.....	70.4	19.9

DAILY GENERAL REMARKS.

1____● in the morning; d° in the afternoon.
2____●° in the early morning.
3____☌, p° in the morning; coloration of clouds at sunset.
4____●, ◠ in the morning; ◟ N in the evening; d at night.
5____d in the morning and afternoon; ◸ NE 1.40 p.; ◟ N in the evening.
6____d in the morning; ⊤ SSE, NNE, p° in the afternoon.
7____☌ early in the morning; ⊤ SE quadrant in the afternoon; ◟ N in the evening; heavy thundershowers at night.
8____● in the early morning; d at noon.
9____● in the morning; somewhat gusty WSW winds in the afternoon; d at night.
10____◠, ● in the morning; somewhat gusty W winds in the afternoon.
11____☌ early in the morning; ● in the afternoon; somewhat gusty SEly winds in the forenoon, veering to SW in the afternoon.
12____◸ E in the afternoon.
13____⊤° SW in the afternoon; ● at night.
14____● in the morning; d° in the afternoon; ◟ N in the evening.
15____Convergence of Cirrus toward S in the morning; gusty NNE winds at intervals in the afternoon.
16____●° in the morning and afternoon with gusty Nly winds at intervals.
17____As yesterday.
18____☌ early in the morning.
19____● in the morning and afternoon.
20____d, ◠ in the morning.
21____● in the afternoon.
22____● in the morning; d° 1.45 p.; ◟ NW in the evening.
23____☌ early in the morning; ●° in the forenoon and afternoon; ◟ NW in the evening.
24____☌ early in the morning; ●², ◸ W in the afternoon; ◟ N, W in the evening.
25____☌² early in the morning; p° in the afternoon; ◠², coloration of clouds at sunset.
26____☌ early in the morning; gusty WSW winds in the afternoon and at night; coloration of upper clouds at sunset.
27____●, ◠ in the early morning; gusty Sly winds in the morning.
28____Heavy thundershowers in the evening.
29____◸° NE 2.55 p.; ◟ NW in the evening.
30____d° 10a.; ●, ⊤ S in the afternoon.
31____●° in the forenoon and afternoon; ◸° SE, ◟ N in the evening.

OBSERVATIONS FOR NOVEMBER, 1912.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	60.10	59.95	59.95	60	60.10	60.43	60.64	61.09	**61.30**	60.92	60.44	59.83
2	59.90	59.30	59.25	58.95	59.30	59.60	60.17	60.28	**60.40**	60.29	59.72	59.01
3	59.35	59	58.75	58.75	58.90	59.51	59.91	60.16	**60.24**	59.90	59.22	58.63
4	59.60	59.30	59.10	59.10	59.30	59.71	59.96	60.21	60.43	60.24	59.72	59.12
5	60.10	59.90	59.55	59.70	59.95	60.15	60.72	60.87	**61.12**	60.97	60.39	59.89
6	59.15	58.95	58.55	58.60	58.55	59.07	59.80	**60.22**	59.44	59.33	59.05	58.58
7	59.15	58.50	58.65	**58.45**	58.80	59.26	59.87	60.39	60.56	60.34	59.94	59.91
8	60.55	60.55	60.50	60.65	60.75	61.01	61.74	61.80	**62**	61.87	61.57	60.95
9	60.55	60.05	59.75	59.65	59.80	60.06	60.51	60.75	**60.88**	60.52	60.05	59.52
10	59.70	59.55	59.45	59.30	59.45	59.66	59.98	**60.35**	60.34	60.25	59.73	59.22
11	59.90	59.70	59.30	59.35	59.70	60.07	60.69	61.16	61.15	61.04	60.72	60.07
12	60.85	60.50	60.25	60.20	60.25	60.78	61.15	61.45	**61.58**	61.24	60.87	60.39
13	59.75	59.40	58.90	58.95	59.10	59.46	59.77	60.06	**60.16**	59.91	59.59	58.90
14	58.95	58.55	58.45	58.55	58.75	59.01	59.58	60.09	**60.16**	59.89	59.63	59.17
15	59.60	59.55	59.40	59.45	59.60	60.14	60.42	60.97	**61.19**	60.80	60.57	59.80
16	59.75	59.60	59.35	59.40	59.60	59.97	60.40	60.42	**60.70**	60.60	60.20	59.72
17	59.30	58.85	58.55	58.60	58.75	59.19	59.50	**60.36**	60.35	60.20	59.65	58.98
18	59.60	59.15	58.85	58.90	58.90	59.45	60	60.24	**60.28**	60.04	59.62	58.98
19	59.05	58.85	58.70	58.80	59.05	59.65	59.84	60.31	**60.44**	59.93	59.32	58.67
20	59.25	59	58.70	58.55	58.55	59.02	59.44	59.74	**59.79**	59.61	58.97	58.30
21	58.60	58.20	57.70	57.70	57.75	58.29	59.01	59.73	**59.88**	59.79	59.29	58.53
22	58.95	58.65	58.35	58.35	58.60	59.04	59.39	59.81	59.92	59.64	59.14	58.63
23	59.35	58.85	58.55	58.60	58.80	59.17	59.57	60.03	**60.16**	60.04	59.54	58.70
24	58.20	57.75	57.25	57.40	57.55	57.98	58.47	58.85	**58.89**	58.59	58.20	57.84
25	**57.40**	56.40	55.95	55.60	55.90	55.75	55.57	55.79	55.50	55.38	55.23	54.48
26	56.25	56.30	56.55	56.90	57	57.51	58.49	58.81	58.64	58.45	58.14	57.58
27	59.20	59	58.85	59	59.30	59.53	59.80	60.36	**60.51**	60.39	60.24	59.59
28	58.55	57.85	57.70	57.85	58.05	58.40	58.84	59.19	**59.53**	59.15	58.89	57.89
29	56.65	55.95	55.75	**55.70**	56.55	56.96	56.96	57.60	57.81	57.96	57.56	57.56
30	58.40	57.60	**57.05**	57.30	57.65	58.24	58.54	58.65	59.26	59.13	58.85	58.55
Mean	59.19	58.82	58.59	58.61	58.81	59.20	59.62	59.99	**60.09**	59.88	59.47	58.90

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	24.6	24.2	23.8	23.5	23.3	**22.8**	24.1	26.2	28.4	28.8	28.8	**30.3**
2	24.2	24.2	23.6	23.3	**23.1**	23.3	24.5	27.2	29.2	28.8	29.8	30.2
3	25.1	25	24.9	**24.7**	**24.7**	24.8	25.2	27.8	29	30.5	31	**31.6**
4	24.4	24	23.8	23.7	**23.5**	**23.5**	24.9	27.5	28.5	29.2	28.7	28.5
5	23.9	23.7	23.1	22.8	22.5	**22.2**	23.2	26.3	28.6	29.1	**30.4**	**30.4**
6	24.1	24.6	24.3	23.9	**23.3**	23.4	24.6	26	26.7	**28.9**	28	27.4
7	23.8	23.7	23.7	23.5	23.4	**23.3**	23.8	24.4	24.9	26	27.5	26.6
8	23.3	23.2	23.6	23.3	23.1	**22.9**	23.3	25.5	28.8	27.6	27.7	28.5
9	23.4	23.1	22.5	22	**21.7**	21.8	22.9	25	28.1	28.2	28.8	**29.6**
10	23.1	22.9	23	22.3	22	**21.8**	23.5	26.4	27.8	29.6	29.2	29.9
11	21.8	21.6	21.6	21.5	**21.3**	**21.3**	22.8	25.5	28.6	29.7	29	**30.7**
12	23.9	23.8	23.8	23.7	23.7	23.8	24.9	27.2	28.7	29.6	28.7	28.7
13	22.8	22.6	22.4	22.2	21.8	**21.7**	23.4	25.4	27	27.7	27.5	29.3
14	22.7	22.4	22.2	21.8	21.6	**21.2**	22.3	25.9	27.2	28.1	28.6	**29.2**
15	23.4	23.1	22.9	22.7	**22.3**	**22.3**	23.7	26.5	26.5	28.1	29	29.3
16	24.2	23.8	23.7	23.9	23.8	**23.5**	24.4	27.2	29.4	28	28.5	29.5
17	23.9	23.8	**23.7**	23.8	23.8	23.8	24.5	27.5	27.8	29.2	29	29.3
18	23.9	23.3	23	23.1	23	**22.7**	23.9	27.6	28	28.4	28.8	29
19	23.9	23.4	23.1	22.8	22.5	**22.1**	23.2	26.7	28.4	28.6	29.2	28.7
20	23.1	22.8	**22.7**	**22.7**	22.8	22.8	23.2	26.3	27.8	27.9	28.6	29.3
21	24.5	24.3	24.1	24	23.8	**23.6**	24.3	26	27.7	27.7	29.3	29.6
22	23.8	23.3	22.9	23	22.4	**22.2**	22.9	25.1	27.2	27.3	28	28.1
23	22.5	22.2	21.8	22.1	21.7	**21.3**	22.1	25.4	27.4	27.7	28	29.2
24	22.3	21.8	21.5	21.4	**21.3**	21.6	22.5	24.1	25.8	28.3	27.7	28.3
25	23.5	24.6	24.4	23.6	22.9	**22.7**	23	24	24.3	**25.4**	**25.4**	24.6
26	24.8	24.6	24	24.5	24.4	23.7	24.6	26.8	28.1	29	29.7	30.6
27	22.8	22.4	22	21.6	21.2	**21**	22.1	24.7	27.6	27.6	28.3	28.3
28	24.7	24.5	24.9	24.7	**23.8**	23.9	24.3	24.8	26.9	28	27	29
29	23.8	23.8	23.8	23.6	**23.2**	23.5	23.5	23.7	23.9	24.3	24.5	24.4
30	24.4	24.2	24.3	24.5	24.3	24.2	24.5	24.5	27.1	27.7	28.2	28.4
Mean	23.7	23.5	23.3	23.1	22.9	**22.8**	23.7	25.9	27.5	28.2	28.4	28.9

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
58.82	58.01	**57.97**	58.09	58.69	59.33	59.92	60.55	60.55	60.35	60.25	60.15	59.89
58.37	57.57	**57.36**	57.45	57.92	58.39	59.17	59.65	59.95	60.05	60	59.75	59.24
58.05	57.55	**57.48**	57.83	58.28	58.69	59.20	59.80	60	60.10	59.90	59.85	59.13
58.29	**57.75**	58.31	58.51	58.78	59.14	59.86	60.15	60.40	**60.65**	**60.65**	60.45	59.53
59.34	59.13	**59.10**	59.49	59.53	59.32	59.87	59.95	60.30	60.55	60.25	59.90	60
57.24	57.28	**55.46**	55.59	56.73	57.10	58.41	58.80	59.30	59.25	59.10	59.15	58.45
59.71	58.96	58.76	58.68	58.99	59.17	59.83	60.25	60.65	**61.05**	60.75	60.50	59.63
60.29	59.30	**58.99**	59.14	59.33	59.82	60.24	60.70	61.05	61.10	61.05	61	**60.66**
58.82	58.25	**58.10**	58.35	58.40	58.59	59.22	59.90	60.10	60.20	60.15	59.90	59.67
58.64	58.06	**57.78**	57.92	58.19	58.72	59	59.65	59.90	60	60.25	60.10	59.38
59.44	59.30	**59.09**	59.57	59.77	60.07	60.39	60.85	60.80	61.15	61.20	**61.30**	60.24
59.59	59.09	**58.82**	58.88	59.16	59.45	59.63	59.85	60.05	60.25	60.05	60	60.18
58.57	58.09	**57.72**	57.94	58.29	58.55	58.83	59.25	59.40	59.45	59.20	59.10	59.10
58.47	58.10	57.97	**57.84**	58.54	58.82	59.33	59.60	59.90	60.05	60	59.90	59.14
59.12	58.92	**58.62**	58.92	59.04	59.39	59.78	60.10	60.30	60.40	60.35	60.10	59.86
58.87	58.26	**58.11**	58.26	58.55	58.93	59.15	59.55	59.95	59.95	59.70	59.55	59.52
58.12	**57.83**	57.90	58	58.40	59.05	59.40	59.80	60.35	60.15	59.95	59.70	59.21
57.94	57.38	**57.11**	57.32	57.69	58.22	58.73	59.15	59.35	59.50	59.50	59.40	58.97
58.29	57.47	**57.28**	**57.28**	57.56	57.99	58.69	59.20	59.50	59.50	59.70	59.55	58.94
57.87	57.23	**56.93**	57.09	57.15	57.48	58.22	58.70	59	58.95	58.95	58.75	58.55
57.76	57.08	**56.89**	57.07	57.30	57.88	58.23	58.70	59.20	59.40	59.40	59.25	58.44
58.05	57.50	**57.39**	57.59	57.94	58.39	59.14	59.75	**59.95**	59.90	59.80	59.60	58.89
57.90	57.07	**57.02**	57.14	57.42	57.79	58.41	58.80	59.05	59	58.85	58.55	58.68
57.22	56.92	**56.67**	56.72	56.83	57.24	57.90	57.95	58.10	58.55	57.90	57.75	57.78
54.31	54.03	53.73	**53.63**	53.94	53.86	54.11	54.50	55.20	55.60	56.35	56.50	**55.20**
56.62	56.09	**56.07**	56.19	56.59	57.05	57.72	58.30	58.95	59.35	**59.40**	**59.40**	57.60
58.63	58.05	57.57	**57.47**	57.83	58.07	58.68	59	59.25	59.30	59.10	58.80	59.06
57.02	56.20	**55.83**	56.12	56.17	56.39	56.95	57.15	58	57.45	57.05	56.95	57.63
57.11	56.36	56.04	55.97	57	57.03	58.04	58.30	**58.65**	58.55	58.05	58.45	57.19
57.99	57.50	57.65	57.85	58.34	58.54	59.10	59.20	59.60	60.05	**60.10**	60	58.55
58.22	57.68	**57.46**	57.60	57.94	58.28	58.84	59.24	59.56	59.66	59.56	59.44	58.94

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
29.7	**30.3**	30	29.2	28	27	26	25.9	25.2	24.8	24.7	24.3	26.4
29.6	**31.7**	**31.7**	30.2	28.7	27.4	26.9	26.2	26	25.9	25.6	25.1	26.9
31.6	**31.6**	31.5	30.3	28.8	27.2	26.5	25.7	25.6	25.6	25.5	24.9	**27.5**
31	**32**	27.8	27.6	27.5	26.9	26.3	25.7	25	24.7	24.6	24.1	26.4
30.3	30	29.9	29.3	27.2	26.1	24.7	24.2	24.2	23.9	23.8	23.9	26
26.2	25.5	25.3	25.7	24.7	24.2	24.6	24.5	24.4	24.3	24.1	23.8	25.1
26	25.8	26.2	25.9	25.3	24.8	24.7	24.3	23.9	23.9	23.9	23.8	24.7
29.5	**30.8**	30.4	29.6	28	26.7	26.1	25.2	24.3	24.1	23.8	23.6	26
28.8	28.8	29.1	28	27.3	25.9	25.4	25.3	24.9	24.1	23.6	23	25.5
29.6	30.6	**30.7**	30.3	27.7	25.6	24.6	23.8	23.3	22.7	22.5	22.2	25.6
30.4	28.3	29.9	26.3	26.3	26	25.2	24.8	24.5	24.1	24.1	24.4	25.4
29	**30**	29.4	29.8	27.7	25.7	24.6	24.5	24	23.5	23.4	**23.1**	26
29.6	29.4	**30.1**	28.5	27.4	26	25.6	24.9	24.1	23.7	23.5	23.3	25.4
29	26.9	25.7	26.2	25.8	25.6	24.9	24.6	24.5	24	24	23.7	24.9
29.9	26.3	28.3	27.7	27.3	26.1	25.5	24.9	24.7	24.9	24.7	24.7	25.6
29.6	29.2	**29.9**	28.8	27.8	27.1	26.1	25.8	25.5	25.4	24.8	24.4	26.4
29.9	27.8	27	28.5	27.2	26.5	25.8	25.1	25.1	24.7	24	24	26.1
29.5	30.1	**30.4**	28.5	26.8	25.7	25.6	25.5	25.4	24.8	24.7	24.3	26.1
29.9	30.6	**31.1**	30.2	27.9	26.4	25.8	25.2	24.6	24.2	23.9	23.4	26.1
29.5	29.6	**29.8**	29.4	28	27	25.6	24.9	24.7	24.6	24.6	24.5	25.9
29.9	29.4	28	27.6	26.8	25.7	25	25	24.6	24.5	24.1	24.1	26
28.7	29.1	**29.2**	28.6	27.6	27.4	25.8	24.5	24.3	23.5	23	22.6	25.4
28.2	**29.6**	28.9	28.4	26.4	24.7	23.7	23	22.5	22.3	22.2	22.4	24.7
29.6	28.7	28.2	27.8	26.5	25.2	24.3	24.3	24.3	23.3	24.3	23.9	24.9
24.2	24	23.9	23.9	23.8	23.9	24.1	24.3	25.3	**25.4**	24.7	25.2	24.2
30.9	**31.4**	31.1	29.8	27.7	26.1	25.5	25.1	24.8	24.6	23.8	**23.4**	26.6
29.5	29.9	**30.3**	29.3	27.8	26.9	26.1	25.2	24.7	24.8	24.6	24.6	25.6
28	27.3	**29.2**	**29.2**	27.6	26	25.9	25.8	25.4	24.4	24.1	24	26
24.5	25.2	**25.4**	25	24.7	24.4	23.8	23.9	24.1	24	24.1	24.3	**24.1**
28.6	27.2	24.8	24.9	25	24.6	24.5	24.4	24.3	24.1	24.1	**23.9**	25.3
29	28.9	28.8	28.2	27	26	25.3	24.9	24.6	24.3	24.1	23.9	25.7

RELATIVE HUMIDITY (%).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	97	96	97	98	**99**	**99**	92	85	77	76	74	**71**
2	91	89	94	95	**96**	94	90	81	71	72	64	65.5
3	86	84	86	89	87	86	**90**	77	71	67	**62**	**62**
4	93	92	91	91	93	94	87	82	76	71.5	75	75
5	95	95	96	95	96	**97**	92	82	67	66	57	**56**
6	87	83	83	86	89	89	81	75.5	77	**67**	**67**	70
7	**99**	**99**	**99**	98	97	97	95	92	91	86	83	86
8	93	93	91	**94**	93	93	91	87	73	79	79	77
9	93	96	96	98	**99**	97	94	85	71.5	74	68	**66.5**
10	93	93	92	**96**	95	94	87	76	67	59	62	63.5
11	93	93	93	94	**95**	**95**	90	78	70	**64**	69	66
12	**93**	92	**93**	**93**	**93**	**93**	91	76	72	**69**	71	73
13	95	96	97	97	**99**	**99**	91	85	78	77	77	67
14	94	91	92	94	94	95	91	82	75	74	**73**	74
15	**99**	98	97	97	98	97	91	80	76.5	**68**	**68**	70
16	91	92	93	91	93	**94**	91	78	68	75	72	70
17	**94**	92	93	91	91	91	87	75	73.5	70	67.5	**66**
18	92	96	97	96	97	**99**	92	76	74	71	74	70
19	94	96	96	96	96	**98**	91	77	74	75	71	73
20	**92**	91	91	90	**92**	91	90	76	75	72	75	71
21	94	95	96	96	**97**	**97**	96	84	71	68	68	65
22	92	95	95	91	96	**98**	94	80	69	69	68	66
23	91	94	96	93	95	**97**	95	78	73	70	68	63
24	90	94	**95**	**95**	**95**	**95**	91	81	79	72	74	73
25	81	71.5	71	76	79	78	74	70	71	**68**	69	79
26	84	83	86	82	82	**87**	81	74.5	70	67.5	65	64
27	85	85	87	87	88	88	83	78	71	76	77	76
28	87	88	83	86	**92**	91	**92**	**92**	83	79	85	77
29	93	93	94	95	**97**	95	95	94	91	**90**	93	93
30	89	91	88	87	90	91	90	92	81	76	**72**	74
Mean	91.7	91.6	91.9	92.2	93.4	**93.6**	89.8	81	74.6	72.3	71.6	70.8

VAPOR PRESSURE (mm).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	22.4	21.5	21.3	21.1	21.1	**20.4**	20.6	21.6	22.3	22.4	21.8	22.7
2	20.3	19.9	20.3	20.1	20.1	20	20.5	**21.8**	21.4	21.2	19.9	20.9
3	20.4	**19.8**	20.1	20.6	20	19.9	21.4	21.4	21.1	21.8	20.8	21.5
4	21.2	20.4	20	**19.9**	20	20.2	20.5	22.4	22	21.5	22.1	21.8
5	**20.9**	20.6	20.1	19.5	19.4	19.3	19.5	20.8	19.5	19.8	18.4	18
6	19.5	19.2	18.8	18.9	18.9	19	18.6	18.8	19.9	19.7	18.7	18.9
7	21.7	21.6	21.6	21.1	20.8	20.7	20.8	21	21.2	21.5	**22.6**	22.3
8	19.8	19.7	19.8	20	19.5	19.3	19.4	21	21.4	21.5	21.9	**22.2**
9	19.9	20.1	19.4	19.3	19.1	**18.9**	19.5	20	20.2	20.9	20	20.5
10	19.5	19.3	19.2	19.1	18.6	18.2	18.7	19.3	18.5	18.1	18.6	19.9
11	18	**17.8**	**17.8**	**17.8**	18	**17.8**	18.6	19	20.3	19.8	20.4	21.7
12	20.5	20.2	20.4	20.2	20.2	20.4	21.2	20.4	21	21.3	20.9	21.4
13	19.5	19.5	19.6	19.3	19.2	19.1	19.5	20.6	20.7	21.2	21	20.3
14	19.2	18.3	18.3	18.2	**17.9**	**17.9**	18.2	20.4	20	20.8	21.3	22.3
15	21.2	20.6	20.2	20	19.6	19.5	19.9	20.6	19.7	**19.3**	20.3	21.1
16	20.3	20.2	20.2	**20.1**	20.4	20.2	20.6	21	20.8	21.1	20.8	21.6
17	20.7	20.2	20.2	20	20	**19.8**	**19.8**	20.4	20.4	21.1	20	20.1
18	20.3	20.3	20.3	**20.1**	20.2	20.3	20.3	20.9	20.7	20.4	21.8	20.8
19	20.7	20.4	20.1	19.7	19.4	19.4	19.3	19.9	21.2	21.7	21.4	21.3
20	19.4	18.8	18.7	**18.5**	19	18.8	19.1	19.4	20.8	20.2	21.7	21.5
21	21.5	21.4	20.4	21.2	21.2	20.9	**21.6**	21	19.7	18.7	20.6	20.1
22	20.2	20.1	19.6	19	19.4	19.4	19.5	18.9	18.5	18.6	19.1	18.7
23	18.4	18.6	18.5	18.3	18.2	18.3	18.7	18.8	**19.9**	19.3	18.9	19
24	18.1	18.2	18.2	18.1	17.8	18.1	18.4	18	19.5	20.5	20.5	20.9
25	17.5	16.4	16.1	16.4	16.5	16.1	**15.6**	**15.6**	15.9	16.3	16.7	18.1
26	19.6	19.2	19.2	18.8	18.5	19	18.6	19.5	19.7	20	20.2	20.9
27	17.6	17.1	17	16.8	16.5	**16.3**	16.5	18	19.6	20.9	21.9	21.7
28	20.2	20.1	19.3	19.8	20.2	20.1	20.9	21.5	21.7	22.3	22.5	**22.9**
29	20.4	20.4	20.6	20.5	20.6	20.4	20.4	20.5	**20**	20.3	21.3	21.2
30	20.2	20.3	**19.9**	20	20.3	20.3	20.5	21.1	21.5	20.9	20.5	21.2
Mean	20	19.7	19.5	19.4	19.4	**19.3**	19.6	20.1	20.3	20.4	20.6	20.8

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
75	74	73	74	83	82	87	85	88	89	89	91	85.5
70.5	61	**60**	66	66.5	70	74	80	82	82	85	88	78.6
62	63	65	67	73	81	81	84	84	85	86	89	77.8
66	**62**	80	81	85	88	86	88	92	92	93	**96**	84.6
60	60	60	61	66	69	78	78	80	84	85	86	77.5
73	80	80	80	90	94	95	95	97	97	97	**98**	84.6
85	84.5	81	**79**	86	87	88	92	93	92	93	92	90.6
70	**62**	66	69	68	73	78	82	89	91	91	90.5	82.2
74	73	73	79	81	85	88	87	86	89	91	96	85
64	63	61	**58**	65	77	79	82	86	88	90	93	78.5
64.5	79	67	88	90	87	89	88	90	92	91	90	84
73	**69**	73	**69**	70	78	84	82	86	89	91	**93**	81.9
64	**62**	65	73	83	87	88	87	88	91	90	90	84.4
74	86	88	90	93	95	98	97	97	97	**99**	98	89.2
70	83	75	73	75	80	84	86	87	84	86	87	83.7
70.5	71	**66**	71	76.5	80	84	83	86	89	90	92	82
67	76.5	82	77	84	87	83	88	92	89	**94**	93	83.5
70	67.5	**65**	80	85	88	89	90	91	93	92	94	84.9
69	66	**65**	**65**	71	77	82	88	87	90	89	90	82.3
71	70.5	71	**70**	81	84	87	87	88	90	91	**92**	82.9
61	**61**	74	79	82	87	87.5	87	89	90	92	92	83.7
63	**62**	66	71	76	76	78	82	82	86	88	91	80.6
66	62	65	**61**	68	77	79	83	84	88	90	90	80.2
69	71	68	**67**	70	75	80	76	75	82	74	77	79.9
87	92	**93**	**93**	**93**	**93**	92	91	83.5	83	88	84	81.7
64	60	**59.5**	61	70	76	79	81	80	82.5	**87**	85	**75.5**
68	**65**	67	73	81	83	85	87	89	88	**91**	90	81.2
78	83	74	**68**	71	77	77	78	80	88	91	91	83
93	93	91	92	96	95	94	95	92	92	93	91	**93.3**
73	79	90	91	95	96	96	95	96	96	96	**97**	88.4
70.5	71.4	72.1	74.2	79.1	82.8	85	86.1	87.3	89	90.1	90.9	83

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
23.1	**23.6**	23.1	22.3	23.3	21.7	21.7	21.2	21.1	20.7	20.6	20.5	**21.8**
21.7	21.2	20.8	21.1	19.4	**19.1**	19.4	20.2	20.6	20.4	20.8	20.7	20.5
21.3	21.9	**22.2**	21.5	21.6	21.6	20.8	20.5	20.6	20.8	20.9	20.9	21
22.1	21.9	22.2	22.1	**23.2**	**23.2**	21.9	21.7	21.6	21.4	21.4	21.4	21.5
19.2	19	18.7	18.5	17.7	**17.3**	18	17.4	17.9	18.5	18.6	18.9	19
18.5	19.4	19.1	19.6	20.8	21.1	21.8	21.7	**21.9**	21.8	21.5	21.5	19.9
21.1	20.8	20.4	**19.6**	20.6	20.3	20.4	20.9	20.5	20.3	20.5	20.2	20.9
21.6	20.5	21.4	21.1	19.1	**19**	19.5	19.5	20.1	20.2	19.8	19.6	20.3
21.8	21.6	21.8	**22.3**	21.7	21.2	21.3	20.8	20.1	19.8	19.8	19.9	20.4
19.7	**20.5**	20	18.7	**18**	18.7	18.1	**18**	18.3	**18**	18.3	18.5	18.8
20.8	22.5	21.1	22.3	**22.8**	21.7	21.2	20.5	20.5	20.6	20.4	20.4	20.1
21.6	21.8	**22.2**	21.6	19.5	19.2	19.3	**18.8**	19	19.1	19.5	19.5	20.4
19.9	**18.9**	20.6	21	**22.5**	21.7	21.4	20.5	19.6	19.7	19.5	19.2	20.2
22	22.5	21.5	22.8	23.1	**23.2**	22.8	22.4	22.3	21.6	22	21.4	20.8
21.9	21.2	21.5	20.3	20.2	20.1	20.3	20.1	20.2	19.7	19.8	20	20.3
21.7	21.4	20.7	20.8	21.2	21.2	21.1	20.5	20.9	21.5	20.9	21	20.8
21.1	21.2	21.7	22.2	**22.6**	22.4	20.5	20.9	21.7	20.6	20.8	20.7	20.8
21.6	21.4	21	**23**	22.2	21.7	21.8	21.8	21.9	21.7	21.4	21.2	21.1
21.7	21.5	**21.8**	20.7	19.9	19.7	20.3	20.8	20.1	20.2	19.6	**19.2**	20.4
21.7	21.7	22	21.4	**22.7**	22.3	21.2	20.5	20.4	20.7	20.8	21.1	20.5
19.1	**18.5**	20.7	21.5	21.4	21.3	20.6	20.4	20.4	20.5	20.6	20.6	20.6
18.5	18.7	19.8	20.5	**20.9**	20.6	19.2	18.8	18.4	18.5	**18.3**	18.6	19.2
18.8	19.1	19.2	17.6	17.5	17.8	17.2	17.3	**17.1**	17.7	17.9	18.2	**18.3**
21.1	20.9	19.4	18.7	18	17.9	18	17.2	17	17.4	**16.6**	16.9	18.6
19.6	20.4	20.5	20.5	20.4	20.5	**20.6**	20.5	20	19.9	20.4	20.1	18.4
21.1	20.4	19.9	19	19.5	19.1	19.1	19.2	18.7	18.9	19.1	**18.2**	19.4
20.8	20.3	21.5	22.1	**22.4**	22	21.3	20.7	20.6	20.5	20.8	20.7	19.7
21.9	22.3	22.3	20.3	19.6	19.2	**19.1**	19.2	19.4	20	20.2	20.3	20.6
21.3	**22.2**	21.9	21.7	**22.2**	21.6	20.6	20.9	20.6	20.4	20.8	20.6	20.9
21.1	21.2	20.9	21.2	**22.4**	22	21.9	21.6	21.6	21.4	21.4	21.3	21
20.9	**21**	**21**	20.9	20.9	20.6	20.3	20.2	20.1	20.1	20.1	20	20.2

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	Ci.-S.		Ci.-S.		Ci.-S.		Ci.		Ci.		Ci.	
2	Ci.											
3	A.-Cu.		A.-Cu.		Ci.							
4	Ci.		Ci.		Ci.							
5	Ci.		Ci.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
6			Ci.-S.	SE	Ci.-S.	SE	A.-Cu.		Ci.-S.		Ci.-S.	
7												
8	Ci.-S.		Ci.-S.		Ci.						A.-Cu.	
9	Ci.		Ci.-Cu.		Ci.-Cu.							
10												
11					Ci.							
12	A.-Cu.				Ci.-S.				Ci.			
13												
14												
15							Ci.-S.					
16									Ci.		Ci.	
17	Ci.											
18	A.-Cu.		A.-Cu.									
19												
20	Ci.		Ci.		Ci.		Ci.		Ci.			
21	A.-Cu.		A.-Cu.		Ci.-S.		Ci.-Cu.		Ci.		Ci.	
22	Ci.-Cu.		Ci.		Ci.		Ci.		Ci.		Ci.	
23	Ci.		Ci.									
24	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.			
25	Ci.-S.						Ci.-S.		Ci.-S.		Ci.-S.	
26	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.-S.	
27	Ci.-S.		Ci.-S.		Ci.-S.		Ci.		Ci.		Ci.	
28					A.-Cu.		A.-Cu.		A.-Cu.		A.-Cu.	
29	Ci.-S								Ci.-S.			
30									Ci.-S.		Ci.-S.	

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	S.-Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.		Cu.	ENE
2	Cu.		Cu.		Cu.		Cu.		N.-cf.		N.-cf.	E
3	Cu.		Cu.	SEbyE	Cu.	SEbyE	N.-cf.	SE	Cu.-N.		Cu.	
4	Cu.		Cu.		Cu.		Cu.		Cu.	E	N.	E
5	Cu.		Cu.		Cu.		Cu.	NE	Cu.	NE	Cu.	
6	Cu.-N.	ENE	Cu.-N.	ENE	Cu.-N.		Cu.		Fr.-N.	E	Cu.-N.	
7	Fr.-N.	E	Fr.-N.	E	N.	E	Fr.-N.	E	Cu.-N.		Fr.-N.	
8	S.-Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.-N.	E	Cu.	
9	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
10	S.-Cu.		Cu.		Cu.		Cu.		Cu.	EbyN	Cu.	
11	Cu.	E	Cu.		Cu.		Cu.		Cu.-N.	E	Cu.	
12	Cu.	E	Cu.	E	Cu.		N.-cf.	ENE	N.-cf.		N.	
13	Cu.		Cu.		Cu.		N.-cf.	ENE	N.-cf.	ENE	N.-cf.	ENE
14	Cu.		Cu.		Cu.	E	N.-cf.	E	N.-cf.	E	N.-cf.	
15	Cu.		Cu.		Cu.	E	Cu.	E	N.-cf.	E	N.-cf.	E
16	S.-Cu.		Cu.		Cu.		Cu.-N.	EbyN	N.-cf.	EbyN	N.-cf.	EbyN
17	Cu.		Cu.	E	Cu.	E	Cu.		Cu.	EbyN	Cu.	
18	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
19	Cu.		Cu.		Cu.		Cu.		Cu.		N.-cf.	
20	Cu.	ENE	Cu.		Cu.		Cu.		Cu.	ENE	Fr.-Cu.	ENE
21	S.-Cu.	E	S.-Cu.	E	S.-Cu.		S.-Cu.		N.-cf.	NE	N.-cf.	NE
22	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
23	Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.-N.	
24	S.-Cu.	ENE	Fr.-N.		S.-Cu.	E	Cu.	E	Cu.-N.	NE	Cu.-N.	
25	N.-cf.	NE	Cu.-N.		Cu.-N.	E	N.-cf.		Cu.-N.		N.-cf.	
26	Cu.	SSE	Cu.	SSE	Cu.		Cu.		Cu.		Cu.	
27	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
28	Cu.-N.	EbyN	N.	EbyN	Fr.-N.	EbyN	Cu.-N.		Cu.-N.		Cu.-N.	
29	N.	E	N.	E	N.	E	N.	ESE	Cu.-N.	ESE	N.	
30	N.		Fr.-N.	SbyE	Cu.	S	N.-cf.		Cu.	SE	Cu.	SEbyS

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
								A.-Cu.		A.-Cu.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.		Ci.	
A.-Cu.		Ci.-S.		A.-Cu.		Ci.-S.		A.-Cu.			
						Ci.-S.					
Ci.								Ci.-S.		Ci.-S.	
										Ci.-S.	
Ci.-S.											
										Ci.	
		Ci.-S.		Ci.		Ci.				A.-Cu.	
A.-Cu.		A.-Cu.				A.-Cu.				A.-Cu.	
						Ci.					
				Ci.				Ci.		Ci.	
				Ci.		Ci.-S.		Ci.-S.		Ci.-S.	
								Ci.-S.		Ci.-S.	
Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
A.-Cu.	ENE	A.-Cu.	ENE	A.-Cu.	ENE	Ci.-S.		Ci.-S.		Ci.-S.	
A.-Cu.											

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Cu.	ENE	Cu.	ENE	Cu.-N.	ENE	Cu.-N.	ENE	Cu.-N.	ENE	Cu.-N.	
Cu.-N.	E	Cu.	E	Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.	SE	Cu.	SE	Cu.	SE	Cu.		Cu.	
N.-cf.	E	N.-cf.	E	Cu.-N.	E	Cu.-N.	E	S.-Cu.	E	S.-Cu.	
Cu.		Cu.	ENE	Cu.-N.	ENE	Cu.-N.	E	S.-Cu.	E	Cu.-N.	
N.		N.		N.	E	N.	EbyN	N.	EbyN	N.	
N.		N.		S.		N.		N.		N.	
Cu.	E	Cu.	E	N.-cf.	E	Cu.		Cu.		Cu.	
Cu.-N.		Cu.	E	Cu.	E	Cu.		Cu.		Cu.	
Cu.		Cu.	EbyN	Cu.	EbyN	Cu.		Cu.		Cu.	
Cu.-N.		Cu.-N.	E	Cu.	E	Cu.-N.	E	Cu.		S.-Cu.	
Cu.	ENE	Cu.	ENE	Cu.	ENE	Cu.	ENE	Cu.		Cu.	
Cu.	ENE	Cu.	ENE	Cu.	ENE	Cu.	ENE	Cu.		Cu.	
Cu.-N.		Cu.-N.	NE	Cu.-N.	NE	Cu.-N.		Cu.-N.		Cu.-N.	
Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.	E	Cu.	
Cu.-N.		Cu.	ESE	Cu.	ESE	Cu.-N.	ESE	Cu.-N.	ESE	Cu.	
Cu.-N.	ENE	Cu.-N.	ENE	Cu.-N.	ENE	Cu.		Cu.-N.		Cu.-N.	
Cu.-N.	E	Cu.	E	Cu.-N.	E	Cu.-N.		Cu.-N.		Cu.-N.	
Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
Cu.	ENE	Cu.	ENE	Cu.	ENE	Cu.		Cu.		Cu.	
Cu.	NE	Cu.	NE	Cu.	NE	Cu.	NE	N.-cf.		Cu.	
Cu.		Cu.	NEbyN	N.-cf.	NEbyN	Cu.	NEbyN	Cu.-N.		Cu.-N.	
Cu.-N.	EbyN	Cu.	ENE	N.-cf.	ENE	Cu.	ENE	Cu.		Cu.	
N.-cf.	NEbyN	N.-cf.	NEbyN	Cu.	E	Cu.		Cu.		Cu.	
N.		N.	ENE	Fr.-N.	ENE	Fr.-N.	ENE	Cu.-N.		Cu.-N.	
Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.		Cu.-N.	ENE	Cu.-N.	EbyN	Cu.-N.	
Fr.-N.	E	Cu.-N.		N.-cf.	E	Cu.-N.	E	Cu.		Cu.	
N.	ESE	N.	ESE	N.	ESE	N.		N.		N.	
Cu.	S	Cu.-N.	S	N.	S	N.		Cu.-N.		Cu.-N.	

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	Calm		Calm		Calm		Calm		Calm		E	1
2	NE	1.5	NE	1	Calm		Calm		NE	1	Calm	
3	SE	.5	Calm		Calm		Calm		Calm		Calm	
4	Calm		Calm		NE	0.5	Calm		Calm		SE	.5
5	Calm		Calm		Calm		E	0.5	Calm		Calm	
6	N	1	NNE	2	N	2.5	N	3	N	2	NW	1
7	Calm		ENE	1.5	N	1	N	2	NNE	1.5	NNE	1.5
8	Calm		Calm		Calm		Calm		Calm		NE	1
9	Calm		Calm		Calm		Calm		Calm		Calm	
10	NE	1	NNE	1	Calm		Calm		Calm		Calm	
11	Calm		Calm		NE	1	NE	1	Calm		NE	1
12	Calm		Calm		Calm		Calm		Calm		Calm	
13	Calm		Calm		Calm		N	1	NE	1	NNE	.5
14	Calm		Calm		Calm		Calm		Calm		Calm	
15	NE	1	NE	1	NE	1.5	NE	2	NE	2	NE	1.5
16	Calm		NNE	.5	N	.5	NNE	1	NNE	1	NNE	.5
17	Calm		Calm		Calm		Calm		Calm		Calm	
18	N	1	Calm		Calm		NNW	.5	Calm		Calm	
19	NNE	.5	NNE	.5	Calm		Calm		NNE	.5	NNE	1
20	Calm		Calm		ENE	.5	ENE	.5	Calm		ESE	1
21	Calm		Calm		Calm		Calm		Calm		Calm	
22	NE	.5	NE	.5	NE	1.5	N	2	NNE	.5	NNE	.5
23	Calm		NNE	1.5	NNE	2	N	1.5	NbyE	.5	Calm	
24	NW	.5	Calm		Calm		Calm		N	.5	NNE	1
25	N	3.5	N	4	NNW	5	NWbyN	6	NNW	5	NNW	5.5
26	SEbyE	3.5	SEbyE	2.5	SE	2	ESE	2	SEbyE	3	SE	2
27	ENE	1.5	ENE	1	ENE	.5	ENE	1	Calm		ENE	1
28	NE	1	NNE	1.5	NNE	3.5	NNE	2.5	NNE	3	NNE	1
29	SSE	.5	SSW	1	SSW	1	S	.5	E	1	N	2
30	E	1	ENE	1.5	ESE	2	ESE	2	E	2	Calm	
Mean		0.6		0.7		0.8		1		0.8		0.8

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	W	3	W	3.5	W	1.5	W	1	Calm		NNE	1
2	ESE	3	ESE	3	E	1	ESE	2	Calm		ESE	3
3	SSE	4.5	SSE	2	SEbyS	3.5	SSE	2.5	SSE	1.5	SSE	.5
4	SE	4.5	SE	1	ENE	5.5	SEbyE	2.5	Calm		E	1
5	WSW	2	Calm		W	1	W	2	NW	4.5	NNW	3.5
6	N	6	N	2.5	NNE	7	NbyE	7	NE	1	SbyW	1
7	ENE	2	ENE	2.5	Calm		ESE	2	Calm		EbyS	1.5
8	ESE	1	ESE	5	ESE	3.5	NE	3	ENE	3.5	ESE	1
9	WSW	2	NNW	1	NNW	3	Calm		Calm		Calm	
10	W	5	W	2.5	Calm		ENE	2	Calm		Calm	
11	W	3	NNW	1.5	WNW	2	Calm		Calm		NNE	1
12	S	1	SSW	1	WSW	1	Calm		Calm		Calm	
13	WSW	1.5	Calm		WSW	2.5	Calm		Calm		Calm	
14	SE	1	SE	2.5	Calm		Calm		Calm		Calm	
15	NE	1.5	NNE	3	NE	2	NNE	4	NNE	3	NNE	2
16	W	1	W	3.5	NNE	3	NNE	1.5	SSW	1	Calm	
17	WSW	3	SSW	2.5	Calm		Calm		Calm		NNW	.5
18	W	3	W	1.5	WbyN	2	Calm		N	1.5	NE	1
19	W	3	S	3	Calm		SE	3	SE	2	SE	2
20	WSW	4	WSW	3	WSW	1.5	SSW	1	Calm		Calm	
21	NNE	2.5	NE	3.5	SE	.5	SE	2	Calm		SE	1.5
22	W	3	W	2.5	W	2.5	W	1.5	W	1	WNW	2
23	SWbyW	1	NNE	1	W	2	W	4.5	Calm		Calm	
24	S	2	WSW	1.5	NE	3	NbyE	4.5	N	5.5	N	2.5
25	ENE	2.5	NbyW	2	N	6	NbyE	5	N	3.5	N	2
26	SE	2.5	SE	4	SE	3.5	SE	2	SE	1.5	SE	3.5
27	WNW	2.5	WNW	2	WbyN	2	WNW	1.5	Calm		Calm	
28	N	5.5	N	6.5	N	2	NE	2.5	NbyE	5	N	3.5
29	ESE	1.5	ENE	3.5	ENE	3.5	NEbyE	3.5	Calm		SE	1
30	SE	4	SE	3.5	SWbyW	5	S	2.5	Calm		NE	2
Mean		2.7		2.5		2.3		2.1		1.2		1.2

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
Calm		Calm		SSW	2	WSW	2.5	WbyN	3	W	3
NE	0.5	NE	2.5	Calm		WSW	2	ESE	1.5	Calm	
Calm		SE	1	SE	3.5	SE	1.5	SEbyS	5.5	SE	6.5
Calm		Calm		WSW	.5	WbyS	1	WbyS	1	WbyN	2.5
Calm		Calm		NE	1	Calm		NE	.5	Calm	
NW	1	N	3.5	N	10	NbyE	10	NbyE	11	NbyE	9
Calm		Calm		Calm		NNE	1.5	NE	1.5	NE	3
NNE	.5	Calm		NW	1	WNW	2	WbyN	2	W	1.5
Calm		Calm		Calm		W	1.5	W	2	W	1
NNE	1.5	NNE	1.5	NbyE	5.5	Calm		WSW	3.5	WSW	2
Calm		N	2.5	N	1	NE	1	Calm		WbyN	1
Calm		N	1	NNE	.5	NNE	1	NNW	.5	NE	2.5
Calm		Calm		NW	1	W	1.5	WSW	1	W	1.5
NNE	1	NNE	1	Calm		SW	1.5	WSW	.5	SE	2
NE	2	NNE	1.5	NNE	3	N	3	NNE	1.5	NNE	2
NE	1	NE	2	NE	1	WNW	1	WNW	2.5	WbyN	3.5
NNE	1	Calm		W	1	W	1.5	W	2	W	1.5
Calm		Calm		Calm		WSW	2.5	W	3	W	2
NNE	.5	NE	1	NNE	.5	WSW	2	W	2.5	W	3
E	1	NNE	1.5	NW	.5	WNW	1	WNW	1.5	W	3
Calm		NE	.5	NE	2	NE	.5	E	3.5	NE	1
NNE	.5	ENE	1	SE	.5	SW	1.5	WSW	1.5	W	3
Calm		NE	1	Calm		NNW	2.5	N	3	WSW	3.5
NbyE	1	NNE	2.5	Calm		SE	.5	WSW	2	WSW	2.5
NNW	7	NbyW	6.5	NNW	4	NbyW	5.5	NbyW	7	NbyW	5
SE	1	ESE	2	SE	4	ESE	3	ESE	1.5	SE	2.5
Calm		NE	1	Calm		WNW	3	WNW	3.5	WNW	3.5
ENE	.5	NE	1	Calm		NNE	2	NNE	2.5	NNE	3.5
N	2.5	NE	2	NbyW	1	Calm		EbyS	5	SE	3
SE	2.5	ESE	2.5	ESE	3	SE	3.5	SE	2	SE	1
	0.8		1.3		1.6		2		2.6		2.6

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		Midnight.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
Calm		NNE	1.5	NNE	1	NNE	1.5	NNE	1.5	NE	1.5	1.2
Calm		SE	1.5	SE	2	SE	1	ESE	.5	Calm		1.1
SEbyS	2	SEbyS	1	SEbyS	1	SE	2	SEbyS	1.5	SSE	1.5	1.8
ESE	.5	Calm		Calm		Calm		Calm		Calm		.9
NE	1	NE	2.5	NE	1.5	N	1	NE	1	Calm		.9
SE	2.5	Calm		Calm		E	1	Calm		Calm		3.5
Calm		Calm		Calm		Calm		Calm		Calm		.9
Calm		Calm		Calm		Calm		Calm		Calm		1
Calm		NNE	1.5	Calm		Calm		Calm		Calm		.5
NE	1	Calm		Calm		Calm		Calm		Calm		1.1
Calm		Calm		Calm		Calm		Calm		Calm		.7
Calm		N	1.5	NE	1.5	NE	1	N	1	Calm		.6
Calm		E	1	E	1	Calm		Calm		Calm		.6
Calm		SE	1	Calm		Calm		Calm		NE	1	.5
NNE	1	NE	.5	NNE	1	E	.5	E	1	E	1	1.8
Calm		Calm		Calm		Calm		Calm		Calm		1
NNE	1	Calm		NNE	.5	NNW	.5	N	1.5	N	1	.7
Calm		Calm		Calm		Calm		Calm		NNE	.5	.8
SE	1.5	ENE	1	Calm		Calm		Calm		Calm		1.1
NNE	3.5	N	6.5	NNE	3.5	N	1	N	.5	Calm		1.5
SE	.5	SEbyE	2	SEbyE	2	SE	.5	Calm		Calm		.9
NbyE	1.5	Calm		Calm		Calm		Calm		Calm		1.1
Calm		Calm		Calm		Calm		Calm		NW	.5	1
NNE	1.5	NNW	3.5	NNE	3	N	2.5	N	3.5	NbyW	3.5	2
NNE	2	NNE	1.5	E	2	EbyN	5	SE	2	SE	3.5	4.2
SE	3	SE	2	SE	1	SSE	.5	Calm		ESE	1.5	2.2
Calm		Calm		Calm		Calm		Calm		N	.5	1
N	3	NbyE	3	NbyE	2.5	NNE	2.5	NbyW	2	NbyE	1.5	2.6
E	4.5	ESE	2	ESE	3.5	ESE	3.5	ESE	2.5	ESE	2	2.1
E	2	ESE	1	Calm		Calm		Calm		Calm		1.8
	1.1		1.2		0.9		0.8		0.6		0.6	1.4

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	0	0.5	0	0	0	1	0.5	1.5	0.5	5.5	9.5	**11**
2	6.5	4	2	2	2.5	4	3.5	8	1.5	1.5	5	4.5
3	0	4	.5	1	2	.5	0	1.5	4	10.5	**15.5**	12
4	1.5	.5	1.5	2	1	2	1	1	2	4.5	6.5	6.5
5	0	.5	1	3.5	.5	0	2	1.5	1.5	3	3	4
6	3	7	9	9.5	9.5	5.5	12	13.5	22	41	**44**	29
7	1	2	4	5.5	7	4	5.5	0	2.5	1.5	3	8
8	.5	.5	.5	.5	1	1.5	1.5	.5	.5	8.5	13.5	5.5
9	.5	0	0	.5	0	0	.5	0	.5	2	8	**13**
10	1.5	1	3.5	1	2.5	.5	1.5	7	11	11	10	10
11	.5	2	2	2.5	.5	1.5	2	9	4.5	6.5	2	3
12	0	0	0	0	0	1	0	1	2.5	5.5	7	7.5
13	.5	0	0	2	2.5	1	.5	0	0	6	7.5	6.5
14	1.5	0	1.5	2	2	2	3	.5	1.5	4	8	8.5
15	2	3	3.5	5	4	3.5	5	11	14	**21**	19	5.5
16	2.5	1.5	2.5	3.5	4	5.5	6	9.5	5	2	8	11
17	2.5	1.5	1	1	2	2	2	6	2.5	7	10	**11**
18	9	4.5	.5	2.5	3	2	1	1	4	**7**	**14**	9
19	1.5	1.5	4	1	2	2.5	2	3	2	3.5	10	10.5
20	.5	.5	2	2.5	1.5	2.5	3	4	2	7	9	12.5
21	.5	.5	2.5	.5	0	1	0	1	2.5	5.5	7	9
22	1.5	2	3.5	5.5	4.5	4	1	4.5	5.5	4.5	**11.5**	**11.5**
23	1	1	3	5	6.5	2.5	2.5	6	6	6.5	7.5	**9**
24	4	.5	.5	1.5	1.5	4.5	5	9	8	2.5	9	9
25	7.5	19	15.5	26.5	19.5	16.5	23.5	26	29	24	**31**	28
26	13	13	6.5	9.5	7	10.5	6.5	7	15	**17**	16	15
27	4	2.5	1	1	1	1.5	3	3	2	8	**12**	10
28	4	6.5	9	11	6.5	6	6.5	6	6	5	25.5	22
29	2	3.5	3	3.5	2.5	11	9	12.5	7	3	6	11.5
30	11	5	10	12.5	8	4	3	7	11	15.5	13	13
Mean	**2.8**	2.9	3.1	4.1	3.5	3.5	3.8	5.4	5.9	8.3	**11.7**	10.9

AMOUNT OF CLOUDS (0–10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	3	4	4	3	4	6	7	6	9	9	7	6	5.7	7 25
2	1	2	1	7	8	9	7	7	7	5	3	5	5.2	8 05
3	5	5	3	3	3	4	3	2	3	2	3	4	3.3	8 45
4	2	2	3	3	7	8	7	5	9	9	9	4	5.7	6 15
5	1	1	3	5	7	9	8	10	10	10	10	10	7	6 50
6	10	10	10	10	10	10	10	10	10	10	10	10	**10**	0 30
7	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
8	9	8	5	4	9	5	8	8	9	8	8	8	7.4	5 50
9	4	3	2	2	4	6	8	5	4	4	3	2	3.9	7 45
10	1	1	1	2	4	3	4	3	3	2	1	1	**2.2**	**9 40**
11	2	1	3	3	9	4	8	4	6	10	6	7	5.2	6 40
12	9	6	4	7	9	10	6	4	4	4	6	6	6.2	6 25
13	2	1	6	8	10	9	7	6	6	4	2	2	5.2	4 55
14	2	3	7	7	9	10	9	10	10	10	10	10	8.1	4 50
15	1	2	8	8	10	9	10	10	10	10	8	6	7.7	5 05
16	1	1	3	5	8	9	5	6	7	9	9	8	5.9	6 30
17	3	7	8	7	7	9	7	10	9	6	7	10	7.5	6 35
18	6	7	3	3	5	6	5	5	9	10	6	9	6.2	7 50
19	2	1	2	2	3	5	4	4	4	4	5	5	3.4	**9 40**
20	8	8	6	8	8	7	6	6	7	7	6	7	7	8 15
21	9	7	8	9	10	9	8	8	8	10	8	5	8.2	3 35
22	6	5	2	2	4	2	2	2	8	4	8	10	4.6	7 25
23	2	2	2	4	6	10	8	4	6	3	3	4	4.5	6 15
24	10	10	10	10	10	10	10	10	10	8	8	8	9.5	2 15
25	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
26	5	6	5	6	7	7	10	9	5	5	9	8	6.8	8 40
27	7	8	8	6	7	8	9	10	9	10	10	10	8.5	7 25
28	10	10	9	10	9	10	9	10	10	10	8	8	9.4	1 45
29	10	10	10	10	10	10	10	10	10	10	10	10	**10**	**0 00**
30	10	10	**9**	10	8	8	9	10	10	10	10	10	9.5	1 15
Total														166 25
Mean	**5.4**	**5.4**	5.5	6.1	7.5	**7.7**	7.5	7.1	**7.7**	7.4	7.1	7.1	6.8	5 33

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–mdt.	Mean.
9	8	6	2.5	0	1	0.5	2.5	5.5	3	7	4.5	3.3
6.5	10.5	**11**	7.5	8	5.5	4	.5	7.5	5.5	3.5	.5	4.8
15.5	12	13	11	9	6	6	4	4	6.5	6	3.5	6.2
5	11	**15**	10	4	3.5	4.5	2.5	.5	0	0	.5	3.6
3.5	8.5	6	2	10.5	**15**	9	7.5	9.5	4	4.5	3.5	4.3
26.5	18.5	27	23	12	1.5	2.5	1.5	.5	2	4.5	1.5	13.6
9	1	2	4	7.5	2.5	3	0	0	0	.5	0	3.1
10	**14**	12	9	11	5	2	1	0	0	0	0	4.1
11	6.5	4	3	1.5	0	0	2	3	0	1.5	0	**2.4**
14	13	6	7	7	4.5	2.5	1.5	.5	0	0	1	4.9
12	8.5	4.5	3.5	.5	2	4	4.5	1.5	1	1.5	.5	3.3
3.5	3	7.5	5	**8.5**	4.5	4.5	6.5	4.5	3.5	2.5	1.5	3.3
8	5	7	4.5	1	0	.5	2	3	1.5	.5	0	2.5
3.5	**9**	6	.5	.5	2	0	1.5	2	1.5	0	2	2.6
5.5	19	15	14	12	9	5	2.5	4	4.5	3	5	8.1
8	11	**13.5**	7.5	4.5	1	.5	3	.5	.5	.5	2	4.7
11	7	2.5	3	1.5	1.5	9.5	4	2	4.5	7.5	7.5	4.6
11.5	11.5	10.5	6.5	5	5.5	4	1	1.5	3.5	.5	2	5
12	5.5	6.5	8.5	7.5	7	7	4.5	2	1	1	.5	4.4
12.5	11.5	8.5	5	2.5	2	3.5	9	**16**	4.5	2	1.5	5.2
14	**15**	7	5	4	5	6.5	8.5	7.5	5	2.5	.5	4.6
10	10	9	8	3.5	2.5	6	2.5	2.5	1.5	2.5	.5	4.9
8	5	7	**9**	8.5	4.5	3	2	1	1	1	2	4.5
5.5	1.5	5.5	15	**19.5**	13	4.5	7	16.5	5	9.5	12.5	7.1
12	18	14.5	20	21.5	17.5	9.5	7.5	8.5	8	10	13	**17.8**
10	13	13	11.5	8	9.5	10	8	6	3.5	1.5	2	9.7
9	9	9	7	1.5	.5	1.5	1.5	1.5	.5	.5	1	3.8
23	**27**	25	13.5	14.5	18	13	14	11	6.5	6	5	12.1
10.5	11.5	11	11	1	2	**16**	9.5	11.5	**16**	12	11	8.2
14	15	**16.5**	7.5	1.5	3.5	4	3	1	0	0	1	7.5
10.4	10.6	10	8.2	6.6	5.2	4.9	4.2	4.5	3.1	3.1	2.9	5.8

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW	W.	WNW.	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1	-----	5	1	-----	1	-----	-----	-----	-----	1	-----	1	5	1	-----	-----	9	79.5	2.6	-----
2	-----	-----	5	-----	1	6	3	-----	-----	-----	-----	1	-----	-----	-----	-----	8	115.5	3.4	0.1
3	-----	-----	-----	-----	-----	-----	6	12	-----	-----	-----	-----	-----	-----	-----	-----	6	148	4	-----
4	-----	-----	1	1	1	1	4	-----	-----	-----	-----	1	2	1	-----	-----	12	86.5	2.3	.3
5	1	-----	6	-----	1	-----	-----	-----	-----	-----	-----	1	2	-----	1	1	11	104	4.4	-----
6	8	6	1	-----	1	-----	1	-----	-----	1	-----	-----	-----	-----	2	-----	4	326	2	31.5
7	2	3	2	3	-----	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	12	73.5	.6	24.3
8	-----	1	2	1	-----	4	-----	-----	-----	-----	-----	-----	1	2	1	-----	12	98.5	2.6	.3
9	-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	3	-----	-----	2	17	57.5	2.5	-----
10	-----	4	2	1	-----	-----	-----	-----	-----	-----	-----	2	2	-----	-----	-----	13	117.5	4	-----
11	2	1	4	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	2	-----	1	13	80	2.2	2
12	3	2	3	-----	-----	-----	-----	-----	1	1	-----	1	-----	-----	-----	1	12	79.5	2.1	2.5
13	1	1	1	-----	2	-----	-----	-----	-----	-----	-----	3	2	-----	1	-----	13	59.5	2.2	-----
14	-----	2	1	-----	-----	-----	4	-----	-----	-----	1	1	-----	-----	-----	-----	15	63	1.2	8.4
15	1	10	10	-----	3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	195	2.3	.8
16	1	6	3	-----	-----	-----	-----	-----	-----	1	-----	-----	2	3	-----	-----	8	113.5	2.8	-----
17	2	3	-----	-----	-----	-----	-----	-----	-----	1	-----	1	4	-----	-----	2	11	110	2.3	1.8
18	2	1	1	-----	-----	-----	-----	-----	-----	-----	-----	1	4	1	-----	1	13	120.5	2.6	-----
19	-----	6	1	1	-----	-----	4	-----	1	-----	-----	1	3	-----	-----	-----	7	106.5	3.3	-----
20	3	3	-----	2	1	1	-----	-----	-----	1	-----	3	1	2	1	-----	6	125.5	1.9	5.1
21	-----	1	5	-----	1	-----	7	-----	-----	-----	-----	-----	-----	-----	-----	-----	10	110.5	2.7	-----
22	1	4	3	1	-----	-----	1	-----	-----	-----	1	1	6	1	-----	-----	5	118	3.1	-----
23	2	4	1	-----	-----	-----	-----	-----	-----	-----	-----	2	2	-----	1	1	11	108.5	2.8	-----
24	6	6	1	-----	-----	-----	1	-----	1	-----	-----	3	-----	-----	1	1	4	170	3.9	-----
25	10	3	-----	1	2	-----	2	-----	-----	-----	-----	-----	-----	-----	-----	6	-----	426	1.5	4.6
26	-----	-----	-----	-----	-----	5	17	1	-----	-----	-----	-----	-----	-----	-----	-----	1	232	4.1	-----
27	1	-----	1	5	-----	-----	-----	-----	-----	-----	-----	-----	-----	7	-----	-----	10	91.5	2.8	-----
28	6	13	3	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	290.5	1.7	1.7
29	3	-----	1	3	2	7	2	1	1	2	-----	-----	-----	-----	-----	-----	2	197.5	.2	74.2
30	-----	-----	1	1	3	5	6	-----	1	-----	-----	1	-----	-----	-----	-----	6	180	1.4	6.9
Total	55	86	60	21	19	31	58	14	5	8	2	25	40	20	8	16	252	4,184	75.5	164.5
Mean	1.8	2.9	2	0.7	0.6	1	1.9	0.5	0.2	0.3	0.1	0.8	1.3	0.7	0.3	0.5	8.4	139.5	2.5	5.5

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		°C.		*Per cent.*	*mm.*	*mm.*		°C.		*Per cent.*	*mm.*
1	761.35	8.30a.	31.7	2.10p.	**99**	**23.6**	757.90	2.30p.	22.8	6.00a.	71	**20.4**
2	60.50	8.45a.	32.5	2.50p.	96	21.8	57.30	3.15p.	22.6	5.20a.	60	19.1
3	60.30	8.45a.	**32.9**	2.40p.	90	22.2	57.45	3.10p.	**24.2**	5.30a.	62	19.8
4	60.75	10.45p.	32.7	1.55p.	96	23.2	57.75	2.00p.	23.2	5.25a.	62	19.9
5	61.15	8.45a.	31.9	11.10a.	97	20.9	**59.05**	2.40p.	21.8	5.35a.	**56**	17.3
6	60.25	8.05a.	29.5	10.30a.	98	21.9	55.20	2.50p.	22.8	5.20a.	67	18.5
7	61.05	10.00p.	28.1	11.15a.	**99**	22.6	58.20	3.30a.	23.2	6.10a.	79	19.6
8	**62**	9.00a.	31.7	2.45p.	94	22.2	58.95	3.15p.	22.3	5.35a.	62	19
9	61	0.05a.	31	3.25p.	**99**	22.3	58.10	3.00p.	21.4	5.25a.	66.5	18.9
10	60.40	8.55a.	31.9	3.20p.	96	20.5	57.75	2.45p.	21.2	5.40a.	58	18
11	61.40	11.50p.	31.5	0.05p.	95	22.8	**59.05**	2.45p.	20.8	5.40a.	64	17.8
12	61.65	8.45a.	31.5	2.20p.	93	22.2	58.80	2.45p.	23	4.30a.	69	18.8
13	60.25	8.40a.	31.5	2.55p.	**99**	22.5	57.70	2.50p.	21.4	5.50a.	62	18.9
14	60.25	9.45a.	30.8	1.35p.	**99**	23.2	57.84	4.00p.	20.8	6.05a.	73	17.9
15	61.19	9.00a.	31.2	1.05p.	**99**	21.9	58.55	2.45p.	21.8	5.50a.	68	19.3
16	60.75	8.35a.	31.4	2.30p.	94	21.7	58.05	2.45p.	23	5.55a.	66	20.1
17	60.45	8.40a.	31.3	0.35p.	94	22.6	57.75	2.25p.	23.2	3.25a.	66	19.8
18	60.35	8.45a.	32.1	3.10p.	**99**	23	56.95	3.15p.	22.7	6.00a.	65	20.1
19	60.44	9.00a.	32.2	3.05p.	98	21.8	57.25	3.15p.	21.9	6.10a.	65	19.2
20	59.85	8.45a.	30.9	2.55p.	92	22.7	56.93	3.00p.	22.1	3.45a.	70	18.5
21	59.88	9.00a.	31.5	0.20p.	97	21.6	56.89	3.00p.	23.2	5.35a.	61	18.5
22	60	8.40p.	30.9	2.20p.	98	20.9	57.35	2.55p.	21.7	6.05a.	62	18.3
23	60.20	8.45a.	31	2.25p.	97	**19.9**	56.95	2.20p.	21	6.05a.	61	17.1
24	59	8.35a.	30.5	0.35p.	95	21.1	56.65	3.15p.	21	5.15a.	67	16.6
25	**57.90**	0.35a.	**26**	10.20a.	93	20.6	**53.55**	4.10p.	22.4	5.55a.	68	**15.6**
26	59.45	10.05p.	32.3	2.10p.	**87**	21.1	56	2.45p.	23.2	11.55p.	59.5	18.2
27	60.55	8.50a.	31.3	2.30p.	91	22.4	57.47	4.00p.	**20.7**	6.05a.	65	16.3
28	59.65	9.20a.	30.7	3.40p.	92	22.9	55.70	3.15p.	23.4	5.15a.	68	19.1
29	58.65	9.00p.	26.3	3.25p.	97	22.2	55.65	2.45a.	22.9	4.55a.	**90**	20
30	60.15	10.15p.	29.7	0.45p.	97	22.4	57.05	3.00a.	23.5	6.20a.	72	19.9
Mean	760.36	-------	31	-------	95.7	22	757.33	-------	22.3	-------	66.2	18.7

DAILY GENERAL REMARKS.

1____◟ NW quadrant in the evening.
2____●° at noon.
3____Somewhat fresh SEly winds in the forenoon and afternoon.
4____Near ⊤ NNW, ●° in the afternoon; ◟ NW quadrant in the evening.
5____☌ early in the morning; coloration of clouds at sunset.
6____Gusty Nly winds in the morning and afternoon; near ⊤ in the afternoon; ● in the afternoon and at night.
7____● in the morning; ◸ E at noon; ●° in the afternoon.
8____Coloration of clouds at sunset; d, ⊤ E in the evening.
9____p° 12.50 p.
10____Fair weather.
11____●° in the afternoon.
12____● 12.10 p.
13____Cloudy weather.
14____⊤ NE, NW, ● in the afternoon.
15____●° in the afternoon; coloration and convergence of Cirrus toward ENE at sunset.
16____Cloudy weather.
17____● in the afternoon.
18____☌° early in the morning; ⊤° ENE, d° in the afternoon.
19____☌° early in the morning.
20____● at night.
21____Overcast.
22____Cloudy weather.
23____ Do.
24____Coloration of upper clouds at sunset.
25____Somewhat gusty Nly winds at intervals; ●°, ⊤° S in the afternoon.
26____Coloration of upper clouds at sunrise.
27____○°, convergence of Cirrus toward SE in the morning.
28____●° in the morning and at night.
29____Rainy weather, especially early in the morning.
30____d in the morning; ● in the afternoon and evening.

OBSERVATIONS FOR DECEMBER, 1912.

ATMOSPHERIC PRESSURE, 700mm+.

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	59.95	59.60	59.50	59.60	59.80	60.47	60.89	61.42	61.34	61.10	60.67	60.28
2	61.55	61.10	60.95	60.95	60.95	61.36	61.84	62.53	**62.70**	62.48	62.17	61.37
3	60.55	60.15	60	60.10	60.15	60.23	60.48	60.76	**60.91**	60.80	60.04	59.41
4	59.30	58.80	58.75	58.55	58.75	58.78	59.07	59.31	**59.47**	59.02	58.81	58.38
5	57.35	57	**56.85**	57	57.05	57.56	58.20	58.69	58.99	58.75	58.53	57.97
6	58.65	58.45	58.50	58.70	58.95	59.59	60.05	60.47	60.64	60.43	60.19	59.64
7	61	60.80	60.60	60.75	60.80	61.09	61.49	61.99	**62.16**	62.04	61.68	61.22
8	61.50	61.20	61.10	61.25	61.40	61.57	61.90	**62.44**	62.43	62.24	61.71	61.14
9	61.65	61.20	61.10	61.05	61.35	61.71	62.16	62.80	**63.04**	62.98	62.64	61.99
10	61.95	61.60	61.35	61.25	61.45	61.86	62.10	**62.84**	62.78	62.81	62.49	61.98
11	62	61.60	61.10	61	61.20	61.56	61.99	62.51	62.75	**62.78**	62.57	62.02
12	62.05	61.60	61.15	61.30	61.30	61.50	61.99	62.41	62.71	**62.72**	62.24	61.83
13	62.05	61.75	61.40	61.40	61.55	61.91	62.15	62.69	**62.84**	62.83	62.38	61.69
14	62.40	62.15	62.10	62.05	62.25	62.49	62.73	63.20	**63.38**	63.07	62.69	62.02
15	61.85	61.35	61.05	61	60.90	61.17	61.63	62.10	**62.20**	62.17	61.69	61.35
16	61.25	61.10	60.95	61	61.15	61.30	61.64	62.09	**62.43**	62.17	61.67	60.89
17	61.10	60.90	60.55	60.60	60.55	60.79	61.23	61.78	**61.95**	61.86	61.33	60.75
18	60.95	60.60	60.30	60.30	60.45	60.63	61.06	61.69	**61.74**	61.54	60.98	60.25
19	58.95	58.55	58.45	58.35	58.50	59.03	59.66	60.56	**60.57**	60.35	60.07	59.57
20	59.70	59.30	59.15	59.10	59.15	59.35	59.80	60.27	60.55	**60.59**	60.15	59.65
21	59.60	59.40	59.20	59.25	59.35	59.79	60.19	60.77	**60.98**	60.70	60.31	59.74
22	60.15	59.80	59.65	59.80	60	60.26	60.79	61.38	61.42	61.35	60.97	60.68
23	61.20	61.10	60.85	60.90	61.15	61.49	61.96	62.34	62.56	**62.59**	62.10	61.68
24	61.75	61.40	60.95	60.80	60.80	60.99	61.41	62.10	62.18	62.19	61.92	61.34
25	62.15	62	61.55	61.30	61.40	61.65	62.01	62.55	62.85	62.92	62.29	61.83
26	62.25	61.90	61.55	61.75	62.25	62.33	62.33	**63.23**	63.18	62.84	62.23	61.29
27	61.55	61.25	60.70	60.65	60.80	61.10	61.49	**62.14**	62.06	61.80	61.34	60.84
28	61.15	60.85	60.80	61.05	61.20	61.60	62.03	62.58	**62.69**	62.32	61.92	61.48
29	61.65	61.30	61.05	61.25	61.40	61.56	62.03	62.54	62.79	62.74	62.37	61.97
30	62.15	61.80	61.50	61.55	61.70	62.01	62.45	63.20	**63.38**	63.34	63.04	62.28
31	62.15	61.90	61.55	61.65	61.75	62.04	62.40	63.15	**63.39**	63.15	62.69	61.80
Mean	61.02	60.69	60.46	60.49	60.63	60.93	61.33	61.89	**62.03**	61.89	61.48	60.91

TEMPERATURE (°C.).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	24.1	23.8	23.7	**23.5**	**23.5**	**23.5**	24.3	25	28.2	29	29.5	29.6
2	23.4	22.9	22.7	22.4	22.4	**21.9**	22.6	25.5	26	27.1	27.9	28.5
3	22.4	22	21.7	21.2	21.1	**20.9**	21.5	24.2	26	26.8	27.3	**28**
4	23.5	23.2	23	22.5	22.2	**21.8**	22.4	24.5	26.4	27.6	27.7	**28.2**
5	23.9	23.8	23.6	23.2	23.4	**22.8**	23.3	24.7	27.1	28.1	28.2	28.3
6	23.9	23.5	23.3	23.1	22.6	**22.4**	23.3	24.8	27	28.2	27.6	28.5
7	22.3	22.6	22.2	21.5	20.9	**20.6**	21.4	24.7	26.6	27	26.7	27.6
8	20.8	20.8	20.7	20.1	19.6	**19.1**	19.7	22.7	**25.2**	26.6	27.3	27.3
9	20.8	20.7	20.2	**20.1**	20.9	20.9	21.2	23.5	25	25.5	28	27.7
10	23.1	22.8	22.6	22.6	22.4	**22.3**	23	24	27	26.6	27	28.2
11	22	22.2	**21.7**	23.3	22.9	22.6	23.2	24.2	25.3	25.7	27.6	27.2
12	22.1	22.1	21.9	21.8	21.7	**21.4**	22.2	25.2	27.2	29	29.3	30.8
13	22.6	22.4	22.6	22.6	22.6	**22.3**	23	25.5	27.8	29.4	29.7	31.5
14	22.4	22.2	22.4	21.9	21.7	**21.6**	22.3	25	26.8	29.1	29.5	29.1
15	23	22.5	22.5	22.4	22.2	21.9	22.6	25.6	27.5	27.8	27.6	27.5
16	21.7	21.4	20.7	20.6	**20.2**	**20.2**	20.7	23.5	26.9	28.8	30.2	30.7
17	21.1	21	21	20.5	20.5	**20.3**	21	24.5	26.5	26.2	26.4	26.8
18	20.6	20.2	19.8	**19.5**	**19.5**	**19.5**	20	22	25.5	28	26.8	**28.3**
19	20.8	20.5	20.3	20.7	20.6	20.4	**20.2**	22.2	24.8	27	**28.5**	27.6
20	22.1	21.8	21.5	21	21	**20.7**	21	24.8	25.5	25.9	27.1	27.3
21	23.6	23.7	23.7	23.7	22.9	**22.6**	22.9	25.1	27	27.8	27.8	27.3
22	23.1	22	21.5	21.3	20.8	**20.7**	21.7	24.9	27.5	28.1	27.2	26.2
23	20.8	20.6	20.5	20	20	**19.8**	20.2	23 3	26.2	26.8	27.8	27.8
24	21.5	21.1	20.7	21.1	20.9	**20.5**	21.4	23.1	27.7	27.9	27.1	**28.5**
25	23.2	23	22.7	22.3	**21.9**	**21.9**	22.4	25	25.8	27.2	28.7	**29.4**
26	22.8	22.7	22.8	22.9	**22.3**	**22.3**	22.4	23.4	25.6	27.4	27.9	28.8
27	22.7	22.4	22.1	21.9	**21.7**	**21.7**	21.9	25	27.4	28.7	28.8	29.9
28	23.1	**22.8**	23	23	23	**22.8**	23.3	25.6	27.6	27.3	28.2	28.5
29	22.8	22.7	22.4	21.9	21.6	**21.5**	21.6	24.9	26	27	28.7	**29.1**
30	22.9	23.1	22.7	22.9	23.1	23.1	23.3	25.9	26.8	26.7	26	26.2
31	21.8	21.4	21.4	21.3	**21.2**	21.8	21.8	24.2	24.9	27.9	29.2	28.8
Mean	22.4	22.2	22	21.8	21.7	**21.5**	22	24.4	26.5	27.5	28	28.4

ATMOSPHERIC PRESSURE, 700mm+.

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
59.69	59.14	**59.08**	59.34	60.10	60.49	61.10	61.55	61.95	**62.15**	61.95	61.80	60.54
60.52	59.57	**59.17**	59.20	59.50	59.88	60.26	60.80	61.10	61.35	61.15	61	60.98
58.80	58.12	**57.89**	57.99	58.17	58.43	58.99	59.45	59.55	59.65	59.60	59.70	59.58
57.60	56.59	**56.44**	56.45	56.78	57.05	57.65	58.10	58.15	58.20	58.10	57.65	58.16
57.53	57.23	56.97	56.99	57.04	57.53	58.10	58.75	**59.05**	59	58.90	58.80	**57.91**
59.10	58.52	**58.35**	58.59	58.89	59.22	59.97	60.45	60.90	**61.25**	**61.25**	61	59.66
60.30	59.80	**59.45**	59.48	59.65	60.20	60.65	61.05	61.50	61.65	61.70	61.60	60.94
60.59	60.19	60	**59.95**	60.15	60.49	61.10	61.55	61.70	61.90	61.70	61.70	61.29
61.15	60.70	**60.24**	60.43	60.69	61.24	61.69	62.10	62.20	62.40	62.35	62.20	61.71
61.45	61.09	60.87	**60.77**	61.27	61.48	61.90	62.15	62.55	62.55	62.40	62.20	61.88
61.22	61.12	61.15	**60.90**	61.13	61.39	61.80	62	62.25	62.50	62.40	62.30	61.80
60.92	60.32	**59.99**	60.16	60.55	61.33	61.89	62.20	62.55	62.50	62.35	62.30	61.66
60.87	60.18	**59.94**	60.23	60.77	61.09	61.52	62.20	62.75	62.75	62.65	62.65	61.76
61.09	60.52	60.02	**59.99**	60.38	60.79	61.45	62.15	62.60	62.30	62.25	62.10	61.92
60.69	60.10	59.94	**59.92**	60.40	60.69	61.10	61.60	61.90	61.85	61.65	61.50	61.24
60.27	59.69	**59.46**	59.57	59.93	60.48	60.97	61.35	61.65	61.65	61.65	61.45	61.07
60.28	59.64	59.24	**59.19**	59.59	60.09	60.49	61.05	61.20	61.45	61.45	61.25	60.76
59.24	58.18	**58.01**	58.24	58.57	58.83	59.11	59.55	59.80	59.65	59.60	59.40	59.94
58.69	58.05	57.89	**57.87**	58.07	58.44	58.85	59.25	59.45	59.70	59.80	59.80	59.10
58.88	58.40	58.21	**58.19**	58.32	58.78	59.15	59.60	59.65	59.75	59.80	59.80	59.39
59.12	58.42	**57.92**	57.94	58.22	58.49	59.03	59.55	60	60.50	60.40	60.30	59.55
59.70	59.12	**58.84**	**58.84**	59.27	59.81	60.30	60.80	61.10	61.40	**61.50**	61.45	60.35
61.12	60.59	**60.29**	60.34	60.67	61.03	61.44	62	62.35	62.40	62.35	62.15	61.53
60.97	60.54	**59.95**	59.96	60.35	60.77	61.35	61.80	62.15	**62.20**	62.05	62.10	61.33
61.12	60.65	**60.40**	60.74	61.05	61.62	61.80	62.45	**62.95**	62.85	62.65	62.60	61.89
60.92	60.52	60.36	**60.05**	**60.05**	60.34	60.60	61.40	61.85	62.20	61.85	61.75	61.63
60.29	59.97	**59.54**	59.84	60.09	60.78	61.09	61.40	61.70	61.45	61.40	61.35	61.03
60.76	60.39	**60.01**	60.03	60.35	60.73	61	61.45	61.95	62	61.95	61.90	61.34
61.42	60.81	**60.74**	60.86	61.25	61.81	62.15	62.80	**63**	62.80	62.70	62.35	61.89
61.52	**60.75**	60.77	60.78	61.24	61.59	61.90	62.30	62.65	62.75	62.80	62.55	**62.08**
60.82	60.44	60.10	**60.04**	60.55	60.94	61.30	61.70	61.90	61.95	61.70	61.85	61.70
60.21	59.66	**59.39**	59.45	59.78	60.19	60.64	61.11	61.42	61.51	61.42	61.31	60.83

TEMPERATURE (°C.).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
30.6	**30.8**	29.4	28	26.3	25.7	25	24.5	24.9	24.8	24.4	23.6	**26.1**
29.6	28.8	29.3	28.1	27.5	26	24.9	24.5	23.9	23.5	23	22.8	25.2
27.8	**28**	27.7	27.4	26.8	25.8	24.9	24.8	24.5	24.2	24.1	24.1	24.7
27.3	27.6	27	26.7	26.7	26.4	26.7	26.6	25.8	24.5	24.4	24.2	25.3
28.8	28.8	**29.1**	28.1	27	26.7	26.6	26.1	25.2	24.6	24.3	23.9	25.8
28.8	29.4	**29.6**	28.3	26.9	25.7	24.9	24.7	24.3	23.9	23.3	22.6	25.4
28	28.7	**29.4**	28	26.4	24.6	23.3	22.2	21.8	21.1	20.7	20.8	24.1
28.2	**28.6**	27.9	27.2	25.9	23.9	22.6	22.3	21.4	20.8	20.4	20.1	**23.3**
27.9	**28.1**	26.7	26.7	25.9	25	24.5	24.6	24.1	24	23.8	23.6	24.1
27.8	27.8	**28.3**	26.8	25.5	24.9	23.6	22.9	22.4	22.7	23.4	22.7	24.6
28.1	25.7	24.7	24.8	24.5	23.8	23.7	23.5	22.9	22.9	22.8	22.4	24.1
30.9	31	**31.2**	29.6	26.9	26	25.2	24	23.4	22.4	21.9	21.8	25.4
31.6	31.4	30.2	28.4	26.5	25.2	24.4	24.1	23.6	23.6	23.2	22.5	25.7
29.3	**30**	29.5	29.3	28	26.1	25.3	25.1	25	24.3	23.7	23.2	25.5
27.6	29.2	**29.5**	27.9	27.3	25.7	24.9	24.5	24.1	22.8	22.3	**21.8**	25
29.3	**31**	30.2	29.2	27.3	25.1	24	23.3	22.3	22	21.6	21.4	24.7
26.7	27.8	**29.3**	28.8	27.1	25	23.5	23.2	22.3	21.4	21	20.7	23.9
27.1	28	27.6	27.9	27.3	24.7	23.8	23.5	22.6	22.5	21.8	22.1	23.7
27.6	28.4	27.5	27.5	27	25	24.4	23.9	23.6	22.6	22.2	22.1	24
28.5	28.3	**29.1**	28.4	27.5	25.9	25.7	25.3	24.7	24.2	23.7	23.8	24.8
29	29.7	**29.9**	28.6	28	25.9	25.2	24.6	24.4	24.2	23.8	23.7	25.6
28.9	28.6	27.1	27.9	26.3	24.4	23.1	22.9	22.5	22.1	21.5	21	24.2
28.1	27.6	**28.4**	27.4	26.7	24.5	23.6	22.8	22.8	22.5	22.2	21.8	23.8
26.8	27.5	28.1	26.4	25.6	23.7	23.3	23.1	23.1	23	23	23.5	24.1
28.4	27.8	27.2	26	25.3	24.7	23.8	23.8	23.8	23.7	23	23.2	24.8
29	24.8	24.9	25.5	25.2	24.3	23.9	24.1	23.9	23.7	23.3	22.8	24.4
30.3	30.8	**31.6**	29.8	28.3	26.2	25.2	23.9	23.6	23.4	23.2	23.4	25.6
29.8	**29.8**	29.6	29.4	28.6	26.3	25.5	25	24.7	24.5	24.2	23.1	25.8
27.6	28.9	27	27.7	27	26	24.9	24.5	24	23.3	23.1	23.1	24.9
27	28.3	26.2	**28.5**	25.8	24.7	24.1	23.5	22.9	**22.2**	22.4	22.3	24.6
29.1	28.9	**30.7**	29.6	26	25.1	24.8	24.6	24.4	23.7	23.6	23.8	25
28.6	**28.7**	28.5	27.9	26.7	25.3	24.5	24.1	23.6	23.2	22.9	22.6	24.8

RELATIVE HUMIDITY (%).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	96	97	96	96	96	95	93	92	77	72	70	72
2	95	97	98	99	97	99	96	92	89	83	76	74
3	94	96	95	98	96	95	94	88	78.5	74.5	75	74
4	95	94	96	97	97	98	96	91	86	81	79	76
5	97	97	97	96	96	99	96	94	83	78	77	76
6	88	91	93	93	95	96	92	86	77	74	73	68
7	96	95	96	97	98	97	94	82	76	72	76	72
8	85	88	87	90	91	94	91	77	64	56	56	55
9	87	88	88	88	83	87	89	79	78	75	69.5	70
10	83	86	87	86	88.5	89	88	81	70	69	67.5	62
11	84	81	84	74	79	78	75	75	70	72	67	74
12	97	97	96	96	95	95	92	80	71	62	61	51
13	90	89	88	89	89	94	88	77.5	69	64	63	50.5
14	93	94	94	96	95	95	91	79.5	70	63	62	65
15	91	93	93	93	94	94	92	82	75	72	77	77
16	92	93	94	93.5	93	95	92.5	83	72	64	56	54
17	91	91	91	91	91	92	92	79	69	73	76	74.5
18	92	91	93	93	92	91	92	87	72	63	73	71
19	94	94	91	92.5	93.5	95	93	88	74	71	66	68
20	95	96	95	98	97	97	96	85	84	81	78	77
21	92	90	91	91	97	95	93	88	80	76.5	75	78
22	90	94	94	94	95	94	91	78	70	69	71	79
23	91	93.5	91	94	92	94	95	81	70	67	64	65
24	93	93	94	91	94	95	92	86	66	67.5	71	66
25	88	90	88	90	92	92	88	80	75	71	63	60
26	89	90	90	90	96	96	97	94	79	71	69	68
27	95	97	96	96	95	96	96	84	70	69	66	60
28	91	92	91	92	91	94	90	83	74	73	72	71
29	96	96	97	99	99	99	98	87	78.5	69	66.5	68
30	95	93	97	94	95	95	94	85	78	79	85	86
31	96	96	95	96	96	94	96	87	87	73	68	71
Mean	92	92.7	92.8	93	93.5	94.2	92.3	84.2	75.2	71.1	70	68.8

VAPOR PRESSURE (mm).

Day.	1 a.	2 a.	3 a.	4 a.	5 a.	6 a.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.
1	21.4	21.3	20.8	20.6	20.6	20.4	21	21.6	21.7	21.5	21.6	22.3
2	20.3	20	20.1	20	19.6	19.4	19.5	22.2	22.3	22.3	21.1	21.4
3	18.9	18.8	18.2	18.4	17.9	17.5	17.8	19.8	19.6	19.5	20.2	20.7
4	20.4	19.8	19.9	19.7	19.3	19.1	19.2	20.7	21.9	22.3	21.6	21.6
5	21.3	21.3	21.1	20.2	20.4	20.4	20.3	21.8	22	22	22	21.7
6	19.4	19.6	19.8	19.5	19.3	19.2	19.6	19.9	20.3	21.2	20	19.6
7	19.1	19.3	19	18.5	18	17.5	17.7	18.9	19.6	19.2	19.8	19.7
8	15.6	16.1	15.8	15.7	15.5	15.5	15.6	15.7	15.2	14.5	15.1	14.8
9	15.9	16	15.5	15.4	15.2	16	16.7	17	18.3	18.2	19.5	19.3
10	17.4	17.7	17.7	17.5	17.8	17.9	18.3	17.9	18.6	17.9	17.8	17.7
11	16.5	16	16.2	15.7	16.3	16	15.9	16.9	16.9	17.7	18.4	19.8
12	19.2	19.2	18.7	18.5	18.2	18.1	18.3	19.2	19.1	18.5	18.5	16.8
13	18.4	18	17.9	18	18.2	18.8	18.3	18.8	19.2	19.4	19.6	17.3
14	18.7	18.6	18.9	18.7	18.2	18.1	18.2	18.7	18.3	18.8	19	19.4
15	19	18.8	18.8	18.7	18.6	18.3	18.7	20	20.4	20	21.1	21
16	17.7	17.6	17.1	16.9	16.4	16.8	16.8	17.8	18.9	18.8	18	17.8
17	16.9	16.8	16.8	16.4	16.3	16.4	16.9	18.1	17.8	18.5	19.3	19.5
18	16.7	15.9	16	15.7	15.6	15.4	16.1	17	17.5	17.8	19.1	20.3
19	17.1	16.9	16.2	16.8	16.9	17	16.4	17.4	17.2	18.8	19	18.8
20	18.7	18.7	18.2	18.2	18	17.7	17.8	19.8	20.5	20.2	20.8	20.7
21	19.9	19.5	19.7	19.9	20	19.3	19.3	20.9	21.1	21.2	20.8	21.1
22	18.8	18.4	17.8	17.6	17.4	17.1	17.5	18.2	19	19.4	19.1	19.8
23	16.6	16.9	16.4	16.4	16.1	16.2	16.8	17.2	17.8	17.4	17.7	17.9
24	17.7	17.2	17	16.9	17.2	17.1	17.4	18.1	18.2	18.8	18.9	19.2
25	18.6	18.7	18	18.1	17.9	17.9	17.6	18.9	18.4	19.1	18.3	18.2
26	18.5	18.5	18.6	18.7	19.1	19.3	19.6	20.1	19.3	19.3	19.4	20
27	19.4	19.6	19.1	18.8	18.2	18.4	18.7	19.8	19.1	20.1	19.4	18.7
28	19.1	19	19	19.2	19	19.3	19.2	20.2	20.4	19.5	20.4	20.6
29	19.7	19.6	19.6	19.4	19	18.9	18.8	20.3	19.6	18.2	19.4	20.2
30	19.6	19.5	19.8	19.5	19.9	19.9	20	21	20.5	20.5	21.3	21.8
31	18.5	18.3	18.1	18.1	18	18.2	18.7	19.6	20.5	20.3	20.5	20.8
Mean	18.5	18.4	18.3	18.1	18	18	18.2	19.1	19.3	19.4	19.5	19.6

RELATIVE HUMIDITY (%).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
67	67	72	77	79	80	88	91	89	92	92	95	85
66.5	66	70	80	82	85	89	90	92	91	95	94	87.3
75	74	74	74	75	81	87	87	88	91	91	92	85.3
80	73	77	77	82	84	83	87	92	96	95	96	87.8
74	75.5	75	79	83	82	84	85	91	89	90	89	86.8
68	67	67	75	80	83	87	87	90	91	91	94	83.6
68	67	66	68	72	71	72	75	76	80	83	85	80.6
52	50.5	54	55	63	73	78	78	84	87	89	90	74.5
72	67	75	72	75	76	75	73	76	77.5	79	80.5	78.3
61	58	57	64	68.5	67	76	81	82	81	76	82	75.4
71.5	86	92	91	91.5	97	96	92	96	96	97	97	84
51	52	54	61	72	74	79	81	82	87	90	91	77.8
52	54	57	66	73.5	82	84	86	90	90	89	93	77.8
67	64	66	67	76	82	85	82	83	87	89	90	80.6
79	74	70	77	80	87	84	79	80	89	88	91	83.8
54	50.5	53	56	65.5	75	78	80	86	88	88	89	76.9
75	73.5	68	71	72.5	79	84	84	86	90	92	94	82.5
75	69.5	71	70	75	84	88	82	86	86	90	88	82.3
70	68	73	73	75	83	86	89	89	93	94	96	83.7
74	73	69	70	78.5	86	84	83.5	87	91	93	92	85.8
68	62	62	68.5	73	81	79	82.5	83	86	87	88	81.9
66	68	74	71	71	76	81	81	84	85	87	92	81.5
63	67	66	73	67	77	80.5	87	86	88	88	91	80.5
72	70	65	71	71	84	82	84	85	87	88	85	81.4
57	60	64	74	77	79	83	83	84	85	88	86	79
67	85	85	83	88	93	93	91	94	94	95	96	87.2
57	53	53.5	60	65	74	79	86	87	88	90	89	79.2
69	69	67	67	76	81	84	88	89	86	88	93	82.1
76	73	80	72	78	79	85	87	91	93	94	94	85.6
83	77	85	74	79	82	82	87	89.5	93	91	92	87.1
73	66	63	64	81	87	86	84	85	89	90	89	83.8
67.8	67.1	68.5	71	75.6	80.8	83.3	84.3	86.5	88.6	89.6	90.8	82.2

VAPOR PRESSURE (mm).

1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	7 p.	8 p.	9 p.	10 p.	11 p.	Midnight.	Mean.
21.9	22	22.1	21.7	20	19.6	20.8	20.7	20.9	21.3	21	20.5	21.1
20.5	19.4	21.1	22.6	22.4	21.3	20.9	20.5	20.3	19.6	19.8	19.3	20.7
20.8	20.7	20.5	20.1	19.7	20.1	20.5	20.3	20.1	20.3	20.4	20.6	19.6
21.5	20.1	20.3	20.1	21.3	21.5	21.5	22.6	22.7	21.9	21.6	21.5	20.9
21.8	22.2	22.4	22.4	22.1	21.3	21.8	21.4	21.6	20.4	20.3	19.6	21.3
20	20.4	20.7	21.5	20.9	20.4	20.3	20.2	20.3	20	19.4	19.1	20
19.1	19.7	20.2	18.9	18.4	16.3	15.4	14.9	14.8	14.9	15.1	15.6	17.9
14.8	14.7	15	14.7	15.6	16	16	15.6	15.9	15.9	15.8	15.7	15.4
20.2	18.9	19.5	18.8	18.7	17.8	17.2	16.8	16.9	17.2	17.3	17.4	17.5
17	16.1	16.3	16.7	16.6	15.8	16.4	16.8	16.6	16.6	16.3	16.8	17.2
20.2	21.1	21.4	21.1	20.9	21.2	20.8	19.8	19.8	19.8	19.9	19.6	18.7
16.9	17.5	18.1	18.7	19	18.5	18.8	18.1	17.5	17.5	17.6	17.7	18.3
18	18.6	18.1	18.9	18.9	19.5	19.1	19.3	19.4	19.4	18.7	18.8	18.7
20.3	20.2	20.1	20.3	21.3	20.7	20.4	19.4	19.4	19.7	19.3	19.1	19.3
21.5	22.2	21.6	21.5	21.5	21.3	19.7	18.1	17.8	18.5	17.7	17.7	19.7
16.3	16.9	16.8	16.9	17.7	17.8	17.4	16.9	17.2	17.2	16.9	16.9	17.3
19.5	20.4	20.6	21	19.3	18.5	18	17.7	17.2	17	16.9	17	18
19.9	19.5	19.6	19.6	20.2	19.5	19.3	17.7	17.5	17.4	17.5	17.3	17.8
19.2	19.5	19.8	20	20	19.4	19.4	19.6	19.2	18.9	18.6	18.9	18.4
21.4	20.9	20.6	20.3	21.4	21.4	20.7	20	20.2	20.3	20.2	20.2	19.9
20.3	19.2	19.4	19.9	20.5	20	18.8	18.9	18.9	19.2	19.1	19.1	19.8
19.6	19.7	19.7	19.8	18.1	17.3	17	16.8	17.1	16.8	16.6	16.9	18.1
17.9	18.4	19.1	19.7	17.3	17.6	17.4	17.9	17.7	17.7	17.4	17.7	17.5
18.9	19	18.3	18.2	17.4	18.3	17.4	17.7	17.9	18.1	18.3	18.2	18
16.4	16.6	17.2	18.5	18.4	18.2	18.2	18.2	18.4	18.4	18.3	18.2	18.1
19.9	19.8	19.9	20.1	20.8	21	20.5	20.4	20.7	20.5	20.1	19.7	19.7
18.3	17.6	18.4	18.6	18.5	18.7	18.8	18.9	18.8	18.8	18.9	19	18.9
21.4	21.4	20.7	20.4	22.1	20.5	20.5	20.8	20.6	19.6	19.8	19.5	20.1
20.8	21.5	21.1	19.9	20.7	19.8	19.9	20	20.1	19.8	19.7	19.7	19.8
21.9	22.1	21.6	21.4	19.5	18.9	18.4	18.7	18.6	18.5	18.3	18.4	20
21.8	19.6	20.8	19.9	20.2	20.5	19.9	19.3	19.3	19.3	19.4	19.4	19.5
19.6	19.5	19.7	19.7	19.7	19.3	19.1	18.8	18.8	18.7	18.6	18.6	18.9

UPPER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	A.-Cu.		A.-Cu.	SE	A.-Cu.		A.-Cu.	SE	A.-Cu.		A.-Cu.	
2	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
3	Ci.		Ci.		Ci.	E	Ci.	E	Ci.		Ci.	
4	Ci.		Ci.-S.		Ci.-Cu.	E	Ci.		Ci.-S.		Ci.-S.	
5	Ci.		A.-Cu.	N	A.-Cu.	N	Ci.		Ci.		Ci.	
6	Ci.		Ci		Ci.		Ci.		Ci.		Ci.	
7	Ci.		Ci.-Cu.									
8							A.-Cu.	E	A.-Cu.			
9	Ci.		Ci.									
10												
11	Ci.-S.		Ci.-S.		A.-Cu.				Ci.-S.		Ci.-S.	
12	Ci.-S.		Ci.		Ci.		Ci.					
13	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
14	Ci.											
15	Ci.		Ci.		Ci.		Ci.					
16	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
17	Ci.		Ci.		Ci.		A.-Cu.		Ci.			
18	Ci.				Ci.		A.-Cu.					
19	Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.	
20	Ci.		Ci.		Ci.		Ci.		Ci.		Ci.	
21	Ci.						Ci.					
22	A.-Cu.		A.-Cu.		A.-Cu.							
23	Ci.		Ci.		Ci.-S.		Ci.				Ci.	
24					A.-Cu.						Ci.-S.	
25	Ci.		A.-Cu.		A.-Cu.				Ci.-Cu.		Ci.-S.	
26			Ci.				A.-Cu.		A.-Cu.			
27	Ci.		Ci.		Ci.		Ci.					
28	Ci.		Ci.		Ci.		Ci.		Ci.			
29					A.-Cu.							
30					Ci.-S.							
31	A.-Cu.		A.-Cu.		Ci.-S.							

LOWER CLOUDS—FORM AND DIRECTION.

Day.	7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
1	S.-Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
2	S.-Cu.		S.-Cu.		Cu.	E	Cu.	E	Cu.		Cu.	
3	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
4	Cu.		S.-Cu.		Cu.	NbyW	Cu.	NbyW	Cu.		Cu.	
5	S.-Cu.		S.-Cu.		S.-Cu.		Cu.	NW	N.-cf.	NW	Cu.	NW
6	S.-Cu.		Cu.		Cu.	NW	N.-cf.	ESE	N.-cf.	ESE	Cu.	
7	Cu.		Cu.		Cu.	ENE	Cu.	ENE	Cu.	ENE	Cu.	
8	S.-Cu.		Cu.		S.-Cu.		Cu.		Cu.	E	Cu.	E
9	N.-cf.	E	Cu.-N.	E	Cu.	E	N.-cf.	E	N.-cf.	E	Cu.-N.	
10	Cu.-N.	E	Fr.-N.	E	Fr.-N.	E	Cu.-N.	E	N.-cf.		N.-cf.	
11	S.-Cu.	E	S.-Cu.	E	Cu.	E	N.-cf.		S.-Cu.		Cu.-N.	
12	Cu.		Cu.		Cu.	E	Cu.	E	Cu.		Cu.	E
13	S.-Cu.		S.-Cu.		Cu.	E	Cu.	E	Cu.	E	Cu.	E
14	S.-Cu.		Cu.		Cu.		Cu.	E	Cu.	E	Cu.	E
15	Cu.		Cu.		Cu.		Cu.		N.-cf.	EbyN	N.-cf.	EbyN
16	Cu.		Cu.		Cu.		Cu.		Cu.	E	Cu.	E
17	Cu.		Cu.		Cu.		S.-Cu.	E	N.-cf.	E	Cu.-N.	
18	Cu.	E	S.-Cu.	E	S.-Cu.		S.-Cu.	E	N.-cf.	E	N.-cf.	E
19	S.-Cu.		Cu.	E	S.-Cu.	EbyN	Cu.	E	Cu.		Cu.	
20	Cu.		Cu.		Cu.		Cu.	WNW	Cu.	WbyN	Cu.	
21	Cu.		Cu.	E	Cu.	E	Cu.		Cu.	E	Cu.	
22	Cu.		Cu.		Cu.		Cu.	E	N.-cf.	E	Fr.-N.	E
23	Cu.		Cu.		Cu.		Cu.		Cu.	E	N.-cf.	E
24	S.-Cu.	EbyN	S.-Cu.	EbyN	S.-Cu.	EbyN	Cu.	E	Fr.-N.	E	Cu.-N.	
25	Cu.		S.-Cu.		Cu.		Cu.	ENE	Cu.	ENE	Cu.	
26	N.	ENE	N.-cf.	ENE	N.-cf.	ENE	Cu.		Cu.		Cu.	ENE
27	Cu.		Cu.		Cu.		Cu.		N.-cf.		Cu.-N.	
28	Cu.		Cu.		Cu.		Cu.		Cu.		Cu.	
29	Cu.		S.-Cu.		Cu.		S.-Cu.	E	Cu.	ENE	Cu.	
30	Cu.		Cu.		Cu.	E	N.	E	N.-cf.	E	Fr.-N.	
31	S.-Cu.		Cu.		Cu.		Cu.	E	Cu.		Cu.	

UPPER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Ci.		Ci.-S.	SW	Ci.-S.	SW	Ci.-S.	SW	Ci.-S.			
Ci.-S.		Ci.-S.		Ci.		Ci.					
Ci.		Ci.		A.-Cu.		Ci.		Ci.-S.		Ci.-S.	
Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.			
A.-Cu.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.		Ci.-S.	
Ci.		Ci.		Ci.		Ci.		Ci.			
								A.-Cu.			
A.-Cu.		A.-Cu.		A.-Cu.		Ci.-S.		A.-Cu.		A.-Cu.	
								A.-Cu.		A.-Cu.	
Ci.		Ci.		Ci.				A.-Cu.			
Ci.		Ci.		Ci.						Ci.	
										Ci.-S.	
		Ci.		Ci.				Ci.		Ci.	
						Ci.		Ci.		Ci.	
Ci.		Ci.		Ci.		Ci.		Ci.			
Ci.		Ci.				Ci.		Ci.		A.-Cu.	
Ci.		Ci.		Ci.		Ci.				Ci.	
										Ci.	
						A.-Cu.		Ci.		Ci.	
		Ci.		Ci.		Ci.-Cu.					
A.-Cu.				Ci.-S.							
						Ci.-S.		A.-Cu.		A.-Cu.	
								A.-Cu.			
								A.-Cu.		A.-Cu.	

LOWER CLOUDS—FORM AND DIRECTION.

1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.	Form.	Direction.
Cu.		Cu.		Cu.		Cu.		Cu.-N.		Cu.	
Cu.		Cu.		Cu.	E	Cu.	E	Cu.-N.	E	Cu.-N.	
Cu.	E	Cu.	E	Cu.-N.	E	Cu.-N.	E	Cu.	E	Cu.-N.	
Cu.-N.		Cu.	N	Cu.		Fr.-Cu.	NbyW	S.-Cu.		S.-Cu.	
Cu.	NW	Cu.	NW	Cu.	NW	Cu.		Cu.		Cu.	
Cu.		Cu.		Cu.	ESE	Cu.	E	Cu.	E	Cu.	
Cu.		Cu.		Cu.	ENE	Cu.	ENE	Cu.		Cu.	
Cu.	E	N.-cf.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	E
Cu.	E	Cu.-N.	E	Cu.-N.	E	N.-cf.	E	Cu.	ENE	N.-cf.	
N.-cf.	E	N.-cf.	E	Cu.	E	Cu.	E	Cu.		Cu.	
N.-cf.	E	N.-cf.	E	N		Cu.-N.	E	Cu.-N.		Cu.-N.	
Cu.	E	Cu.	E	Cu.		Cu.	E	Cu.	E	Cu.	
Cu.	E	Fr.-Cu.	E	N.-cf.	E	N.-cf.	E	N.-cf.	E	Cu.	
Cu.	E	Cu.-N.	E	N.-cf.	E	Cu.-N.	E	Cu.-N.	E	Cu.	
N.-cf.	ENE	Cu.	E	Cu.		N.-cf.		Cu.	E	Cu.	
Cu.	E	Cu.	E	Fr.-Cu.	E	Cu.		Fr.-Cu.		Cu.	
Cu.-N.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	E	Cu.	E
N.-cf.	E	N.-cf.	E	Cu.	E	Fr.-Cu.	E	Cu.		Cu.	
Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.		Cu.	
Cu.	NE	Cu.	ENE	Fr.-Cu.	ENE	Cu.		Cu.		Cu.	
Cu.	E	Cu.	E	Cu.		Cu.		Cu.		Cu.	
N.-cf.	E	N.-cf.	E	N.-cf.	E	N.-cf.	E	Cu.		Cu.	
Cu.	E	N.-cf.	E	Fr.-Cu.		Cu.		Cu.		Cu.	
N.-cf.	E	N.-cf.	E	Cu.-N.	E	Cu.	E	N.-cf.		Cu.-N.	
Cu.		Cu.-N.	ENE	Cu.-N.	ENE	Cu.-N.		Cu.-N.		Cu.-N.	
Cu.-N.	ENE	Fr.-N.	ENE	Fr.-N.	ENE	Cu.-N.		S.-Cu.		Cu.	
Cu.	ESE	Fr.-Cu.	ESE	Cu.	ESE	Cu.		Cu.		Cu.	
Cu.		Fr.-Cu.	E	Cu.	E	Cu.	E	Cu.		Cu.	
Cu.-N.		Cu.-N.	E	Cu.-N.	E	Cu.-N.	E	Cu.-N.		N.-cf.	
N.-cf.	ENE	N.-cf.	ENE	Cu.		Cu.	ENE	Cu.		Cu.	
N.-cf.	E	Cu.-N.	E	Cu.		Cu.-N.		N.-cf.		N.-cf.	

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 a.		2 a.		3 a.		4 a.		5 a.		6 a.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	NNE	2	NNE	1	Calm		Calm		Calm		Calm	
2	Calm		Calm		Calm		Calm		Calm		Calm	
3	Calm		Calm		Calm		Calm		Calm		Calm	
4	Calm		Calm		Calm		Calm		Calm		Calm	
5	Calm		Calm		Calm		Calm		Calm		Calm	
6	NbyE	2	NNE	1	NNE	0.5	NNE	1	NNE	1	NNE	1
7	Calm		Calm		Calm		Calm		Calm		Calm	
8	S	1	NbyW	1.5	NbyW	2.5	N	3.5	N	3	Calm	
9	N	1	N	.5	NNE	1.5	N	1.5	NNE	2	NNE	1
10	NbyW	2.5	NbyE	2.5	NbyE	4	N	3.5	NbyE	1.5	NNE	1.5
11	N	.5	NNW	1.5	N	1.5	NNE	5	NNE	2.5	NNW	2
12	NbyE	1	NNE	2	NbyE	2	NE	1.5	NE	1	NNE	1
13	Calm		N	1.5	NbyE	2	NNE	2	NE	2	N	.5
14	NNE	.5	Calm		NNE	1	NNE	.5	N	1	NNE	1
15	Calm		Calm		Calm		Calm		Calm		Calm	
16	NEbyE	1	NNE	1	NNE	.5	NEbyN	1	NEbyN	1	NE	.5
17	NE	.5	Calm		Calm		Calm		Calm		Calm	
18	Calm		Calm		Calm		Calm		Calm		N	1.5
19	Calm		Calm		Calm		Calm		Calm		Calm	
20	Calm		Calm		Calm		Calm		Calm		Calm	
21	Calm		E	1.5	Calm		Calm		Calm		Calm	
22	Calm		Calm		Calm		Calm		Calm		Calm	
23	Calm		Calm		Calm		Calm		NbyE	.5	Calm	
24	Calm		Calm		Calm		N	1	Calm		Calm	
25	Calm		Calm		N	1	Calm		NNE	1	NNE	2
26	Calm		Calm		NNE	1	NNE	1	Calm		NNW	2.5
27	N	.5	Calm		Calm		Calm		NE	.5	Calm	
28	Calm		Calm		Calm		Calm		NNE	.5	Calm	
29	NNE	2	NNE	1	Calm		Calm		Calm		Calm	
30	Calm		Calm		Calm		Calm		Calm		Calm	
31	NE	.5	NNE	.5	NNE	1	NE	1	NNE	.5	NNE	2
Mean		0.5		0.5		0.6		0.7		0.6		0.5

WIND—DIRECTION AND FORCE IN M. P. S.

Day.	1 p.		2 p.		3 p.		4 p.		5 p.		6 p.	
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
1	SE	6.5	SE	6.5	SE	2	ESE	3.5	SW	3.5	SW	3
2	WNW	2.5	WNW	2.5	Calm		Calm		Calm		Calm	
3	WSW	3.5	W	3.5	WSW	2.5	Calm		NNW	2	NNE	1
4	W	3	WNW	3	W	3.5	WbyS	3.5	WSW	1.5	WSW	3
5	WSW	2.5	WSW	4	WSW	4	WSW	2.5	WSW	3.5	SW	3
6	WNW	3.5	WNW	2.5	WNW	2	Calm		Calm		Calm	
7	W	3	W	1.5	WSW	1.5	SSE	3	SE	.5	SE	2
8	NNE	4.5	NNE	6	NE	3	NEbyN	2.5	NNE	3	NE	.5
9	NNW	1.5	NE	2	NNE	2	N	3	NNE	2	NbyE	3.5
10	NE	4.5	NE	7.5	NE	6	ENE	3.5	NE	2	NE	4
11	Calm		Calm		SSE	2	Calm		Calm		Calm	
12	E	4.5	ESE	4.5	EbyS	3	SEbyE	4.5	ESE	1.5	NNE	1.5
13	E	3.5	E	3	ENE	3	NE	2	NbyE	3.5	NbyE	2
14	WSW	1.5	WSW	1.5	NW	3	WNW	1.5	Calm		Calm	
15	Calm		NNE	2.5	Calm		NNW	4.5	Calm		Calm	
16	ENE	2	NE	1.5	NE	2.5	NE	3	NE	3	NE	2
17	WNW	4.5	WNW	3.5	NNE	.5	Calm		SE	3	ESE	.5
18	W	3.5	SW	3	SSW	1	Calm		Calm		Calm	
19	WNW	4	WNW	3	Calm		W	1	WSW	1	Calm	
20	WSW	3	WSW	3	SWbyW	2	Calm		Calm		Calm	
21	W	3.5	W	1.5	W	1	W	2	Calm		Calm	
22	NNW	1.5	WNW	1.5	Calm		Calm		Calm		Calm	
23	WNW	3.5	WNW	2.5	W	2	Calm		ENE	1.5	Calm	
24	N	7	NbyE	6	NNE	3.5	NE	1.5	NNE	6.5	NNE	4
25	NNE	5	NNE	6	NNE	3.5	NNE	1	N	1.5	NNE	2
26	E	1.5	E	1.5	E	1	NbyW	2.5	NbyW	1.5	Calm	
27	EbyS	7	EbyS	6.5	ESE	3	E	2.5	E	1	ESE	3
28	WNW	1	W	1.5	WNW	1.5	Calm		Calm		Calm	
29	SW	1	WSW	1	Calm		NE	1.5	NE	2	NNE	3
30	NW	4.5	W	2	E	1	E	1.5	EbyS	4.5	ESE	2
31	W	2	N	4	Calm		ENE	2	NE	2	Calm	
Mean		3.2		3.2		1.9		1.7		1.6		1.3

WIND—DIRECTION AND FORCE IN M. P. S.

7 a.		8 a.		9 a.		10 a.		11 a.		Noon.	
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.
Calm		Calm		SE	1	SE	1	SEbyS	6	SE	7
Calm		Calm		S	1.5	SW	2	WSW	1	WSW	2.5
NNE	1	Calm		WNW	1.5	NW	3	W	4	W	1.5
Calm		Calm		N	2	NNW	3	WNW	3	WNW	4
ESE	1	Calm		Calm		Calm		SW	1.5	SWbyW	1
Calm		NbyE	2	NNE	1.5	NNW	2	NW	2.5	WNW	5.5
Calm		Calm		Calm		WNW	3	W	2.5	W	3.5
Calm		Calm		NNE	2	NNE	4	NbyE	8	NbyE	4
NNE	1	NbyE	5	N	4.5	NNW	2	NbyW	4.5	NW	4.5
N	1.5	NNE	3	NNE	4	NbyE	2.5	N	.5	N	4
NNW	2	NNE	1	NNE	4	NNE	4.5	NNE	1	Calm	
NNE	1.5	NE	.5	Calm		Calm		NNE	1	ENE	4
NNE	1.5	NE	1	Calm		NE	1	NE	1	E	4
NNE	.5	NNE	3	NNE	4.5	Calm		NNE	2	WSW	3.5
Calm		NE	.5	Calm		WNW	2	W	2.5	WSW	1.5
Calm		Calm		NE	1.5	NE	1.5	N	2	NE	.5
Calm		Calm		Calm		WSW	1.5	W	2.5	WNW	3.5
NNE	1.5	NE	1.5	NNE	2	NNE	1	NW	2.5	NW	1.5
Calm		Calm		Calm		Calm		WNW	3.5	WNW	6.5
Calm		Calm		W	1.5	Calm		WSW	3.5	WSW	3.5
Calm		ESE	.5	Calm		WNW	1	WNW	3	W	4.5
Calm		NbyW	2	NNE	1.5	Calm		SbyW	1.5	Calm	
Calm		Calm		Calm		WNW	2.5	WNW	1.5	WbyN	2.5
Calm		NNE	1.5	NNE	1	Calm		NNE	6.5	NNE	3.5
N	1	NNE	3.5	N	2.5	NNE	2.5	NNE	2.5	NNE	2
Calm		Calm		NNE	2	N	3.5	Calm		NE	2
Calm		N	1	Calm		E	2	ESE	4.5	E	3.5
Calm		Calm		NW	1.5	WNW	2	WbyN	3	WNW	3.5
Calm		Calm		NW	.5	WNW	2	SSW	2.5	SW	1
Calm		NE	1.5	NE	1.5	NE	1	SE	1	ENE	2
NNE	1.5	NNE	2.5	ENE	2.5	Calm		N	3	Calm	
	0.5		1		1.4		1.6		2.7		2.9

WIND—DIRECTION AND FORCE IN M. P. S.

7 p.		8 p.		9 p.		10 p.		11 p.		Midnight.		Mean.
Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	
S	1	Calm		SE	1	SE	1	Calm		Calm		1.9
Calm		Calm		Calm		Calm		Calm		Calm		.5
Calm		Calm		Calm		Calm		Calm		Calm		1
WSW	4	WSW	3	Calm		Calm		Calm		Calm		1.5
SW	1.5	Calm		NE	2	Calm		NNE	1.5	Calm		1.2
Calm		Calm		SE	.5	N	1	Calm		Calm		1.2
S	2	S	2	S	1	S	1.5	Calm		S	0.5	1.1
NEbyN	.5	E	1	NE	.5	Calm		Calm		NNW	1	2.2
NbyE	4	NbyE	3.5	NbyE	3	NbyE	3	NbyE	2.5	NbyE	3.5	2.6
NEbyE	2	Calm		Calm		NbyW	1	NNE	.5	NNE	.5	2.6
N	2	NbyE	2	NNE	1.5	E	2	NE	.5	NEbyE	.5	1.5
NEbyN	2.5	NNE	2	Calm		Calm		Calm		Calm		1.6
NbyE	2.5	NNE	1	NE	.5	NNW	1.5	NbyE	1.5	NNE	1	1.7
Calm		Calm		Calm		Calm		Calm		Calm		1
NNE	1	NEbyE	1.5	EbyN	1.5	NEbyE	1.5	NEbyE	1.5	NEbyE	1	.9
NEbyE	.5	NE	.5	Calm		NE	1	NE	1	NE	1	1.2
Calm		Calm		Calm		Calm		Calm		Calm		.8
Calm		EbyS	.5	Calm		Calm		Calm		Calm		.8
Calm		Calm		Calm		Calm		Calm		Calm		.8
SSE	1	SSE	1.5	Calm		Calm		Calm		Calm		.8
Calm		SW	.5	SW	1	N	1	Calm		Calm		.9
Calm		EbyS	1.5	EbyS	1	ESE	1	Calm		Calm		.5
Calm		Calm		Calm		Calm		Calm		Calm		.7
NNE	2.5	Calm		Calm		Calm		Calm		Calm		1.9
N	3	NNE	1	NNE	1	NNE	1	N	1	NNE	1	1.9
Calm		NbyE	1	Calm		NNE	1	NNE	1	NE	.5	1
E	1	E	1	SSE	.5	Calm		Calm		Calm		1.6
WSW	1	Calm		N	5	N	5.5	N	3	NNE	2.5	1.3
NNE	3	NE	1	Calm		Calm		Calm		Calm		.9
ESE	1.5	ESE	1	NE	1.5	NNE	.5	NE	1.5	NNE	1.5	1.2
NNE	1	NNE	1	NNE	1	NNE	1	NEbyN	1	ESE	1	1.3
	1.2		0.9		0.7		0.8		0.5		0.5	1.3

WIND—VELOCITY IN KILOMETERS PER HOUR.

Day.	Mdt.-1 a.	1-2 a.	2-3 a.	3-4 a.	4-5 a.	5-6 a.	6-7 a.	7-8 a.	8-9 a.	9-10 a.	10-11 a.	11-Noon.
1	9	6	1	0	0.5	1	1	1	6.5	13	15.5	**17.5**
2	0	.5	0	0	0	1.5	.5	0	1	4	8.5	10
3	.5	.5	1	.5	.5	0	1.5	0	2	7	13	**13.5**
4	0	.5	0	0	0	0	0	1	6	10	13	**15**
5	0	0	.5	0	1.5	2	1	.5	1	.5	3	6
6	6	6.5	3.5	4	4.5	.5	1	12	8	3	9	10
7	0	0	0	0	1	1	.5	0	.5	5.5	**13**	12
8	1	3.5	6.5	7.5	4.5	1.5	0	3.5	6	17	23	25
9	3	2	4.5	5	6.5	6.5	4	12	18	13	15	11.5
10	11	7.5	10.5	13	6	7	5	11	10	15	10	4
11	2	3	5	16	13	7	10	12	14	18	**20**	4.5
12	3	4.5	4.5	3.5	3.5	5	5	5	5.5	4.5	7	12
13	0	1.5	7	9	5	2	3	3.5	7.5	1	3.5	11
14	2	2.5	2.5	3	4	7	7.5	6.5	**13**	7.5	4.5	11
15	.5	0	.5	.5	.5	1.5	1	3	1.5	7.5	**12.5**	5.5
16	1	3.5	.5	2	1	3	1	1	3.5	5.5	4.5	5.5
17	3	1.5	2	.5	.5	.5	2	1	2.5	5.5	10	9.5
18	1	2	.5	0	0	1.5	2.5	1	4	5	**9**	8.5
19	0	0	1	1	1	0	0	0	1	1	3.5	12.5
20	0	0	0	0	0	0	.5	0	.5	2.5	8	8.5
21	.5	3	.5	0	0	0	0	0	.5	5.5	**12**	11
22	1	0	.5	1.5	1	1.5	1	3.5	**7**	2	.5	.5
23	0	0	0	.5	1	1	0	2.5	0	2	5	**12**
24	.5	.5	.5	3.5	2.5	0	1.5	3.5	6	5.5	9	21
25	0	.5	3	4	2	4	3.5	5.5	11	8	12.5	14.5
26	2	1.5	2	3.5	2.5	1.5	1	1.5	4	6.5	3	2.5
27	2.5	2	1.5	.5	1	2	1	2.5	1	3.5	19.5	19.5
28	1	.5	1.5	1	5	2.5	3	2	2	7	11	14
29	5.5	5.5	3	0	0	0	1	0	3.5	3.5	**13**	7
30	.5	0	0	1.5	0	0	0	3	2.5	2.5	5	8.5
31	3.5	.5	4	3.5	2.5	4	6.5	9.5	**13.5**	3.5	6	11
Mean	1.9	1.9	2.2	2.7	2.3	2.1	2.1	3.5	5.3	6.3	9.7	10.8

AMOUNT OF CLOUDS (0–10).

Day.	7 a.	8 a.	9 a.	10 a.	11 a.	Noon.	1 p.	2 p.	3 p.	4 p.	5 p.	6 p.	Mean.	Sunshine.
														h. *m.*
1	9	8	7	5	5	5	5	6	6	8	9	6	6.6	6 10
2	4	2	8	4	7	5	6	6	6	5	8	8	5.8	5 25
3	3	4	8	9	9	8	8	8	9	8	9	9	7.7	5 30
4	9	9	9	9	9	9	9	10	10	10	9	9	9.2	3 20
5	9	9	5	9	10	7	8	10	8	10	10	10	8.8	2 20
6	8	6	8	9	8	8	7	4	4	5	4	6	6.4	**6** 20
7	2	2	2	3	4	4	3	3	3	3	4	4	**3.1**	**7** 15
8	1	1	1	8	8	3	5	10	4	4	5	4	4.5	6 50
9	9	8	8	7	8	5	8	9	10	10	8	10	8.3	3 30
10	10	10	9	10	9	10	10	9	7	8	9	8	9.1	1 55
11	8	10	7	10	10	8	10	10	10	10	10	10	**9.4**	**0 30**
12	7	5	5	4	6	3	3	3	4	6	7	6	4.9	**8 00**
13	4	8	4	7	6	8	6	6	8	10	10	4	6.8	6 35
14	0	1	1	4	4	5	6	6	6	6	3	6	4	7 40
15	3	2	2	3	7	9	10	10	7	6	7	8	6.2	4 30
16	5	6	2	4	5	4	6	5	5	5	3	2	4.3	6 40
17	3	3	2	9	8	10	10	3	2	4	3	2	4.9	4 50
18	7	9	4	6	9	10	10	10	8	2	5	4	7	3 20
19	9	9	10	9	9	8	8	4	4	3	2	1	6.3	6 05
20	3	3	3	4	6	5	7	4	5	2	4	5	4.2	5 45
21	5	4	4	4	3	3	6	7	2	5	2	1	3.8	6 10
22	8	4	4	9	10	9	6	8	8	8	3	2	6.6	4 00
23	2	6	6	3	5	9	8	10	9	4	4	4	5.8	5 35
24	9	9	5	9	10	10	10	9	10	9	10	10	9.2	1 50
25	7	8	5	9	8	9	8	10	10	10	10	10	8.7	3 05
26	10	9	10	9	8	8	10	10	9	10	10	6	9.1	2 10
27	4	5	5	4	10	8	4	4	3	2	3	5	4.8	7 25
28	4	2	2	3	5	5	3	5	4	2	5	3	3.6	7 40
29	1	1	3	5	6	7	7	9	10	10	10	10	6.6	4 25
30	2	2	8	9	9	9	8	8	6	6	4	7	6.5	4 15
31	3	4	4	6	3	3	8	10	6	10	5	9	5.9	5 45
Total														154 50
Mean	5.4	5.5	**5.2**	6.5	7.2	6.9	7.2	**7.3**	6.5	6.5	6.3	6.1	6.4	5 00

WIND—VELOCITY IN KILOMETERS PER HOUR.

Noon–1 p.	1–2 p.	2–3 p.	3–4 p.	4–5 p.	5–6 p.	6–7 p.	7–8 p.	8–9 p.	9–10 p.	10–11 p.	11–mdt.	Mean.
16.5	13	11	7.5	11	10	4.5	0	2	4.5	2	0.5	6.4
11.5	7.5	0	.5	.5	1	0	.5	1	.5	0	0	**2**
10	11.5	9.5	3.5	3.5	2	2	1.5	.5	.5	0	0	3.5
14	9	11	13	12	6.5	10.5	11	6	0	.5	0	5.8
8	10.5	10	10	10.5	**13**	10	2.5	2.5	2	3.5	4.5	4.3
14	9	5	.5	2	.5	2	2.5	2.5	6	2	0	4.8
11	6	5	9.5	7.5	7	4	5	5	3	1.5	.5	4.1
30	22	23	15	12	10.5	2.5	3	2.5	1.5	0	.5	9.2
12.5	7	8	12	12	12	13	**19**	12.5	8.5	12	14	**10.1**
14	**26**	25	17	8.5	6.5	7	2	.5	2	5	4.5	9.5
3.5	3.5	2.5	.5	.5	.5	1.5	6.5	5	5.5	2	1	6.5
14	**15**	**15**	12	8	4	4	5	5	0	0	.5	6.1
14.5	**16**	11	10	11	2	5	4	3	3	7	3	6
10	6.5	10.5	8	2.5	.5	1	1	1	0	0	.5	4.7
.5	5.5	4	4.5	2.5	.5	2.5	5	10	5	3.5	1.5	3.3
10	4	12	11	**13**	8	4	2.5	2.5	4	2	3	4.5
11.5	8	3	3	5	4	1.5	2.5	2	0	0	.5	3.3
8.5	7.5	3	2.5	2	0	0	2.5	2	0	0	.5	2.6
18	10	10	7	3	1	0	0	0	0	0	0	2.9
8	**11**	6.5	.5	1.5	0	3	5.5	1.5	1	0	0	2.4
10	5	4	6	1.5	1.5	5	3	5.5	2.5	1	0	3.2
4	5	4	0	5.5	3.5	2	2.5	5.5	4.5	2.5	0	2.5
9	8.5	8.5	3.5	4	2.5	0	0	0	0	1	0	2.5
23	19	14	4.5	9.5	14	4.5	1	0	0	0	0	6
23	**23.5**	22.5	10.5	14	11	10.5	6	4	4	3	4	8.5
4.5	**15**	3	5	5	0	2	3.5	1	2.5	3	1.5	3.2
22	17.5	15.5	10	10	11.5	4.5	1	2	2	1	.5	6.4
11	10.5	9.5	5	2	3	4	3.5	5	**17.5**	16	6	6
4	7	6.5	11.5	6	9	7	4.5	1.5	1	.5	.5	4.2
15	9.5	3	4	10	8.5	10	5	5.5	1.5	5.5	5	4.4
5	7	8.5	8.5	9	1	4	5	3.5	4	2.5	3	5.4
12	10.8	9.2	7	6.6	5	4.2	3.8	3.2	2.8	2.5	**1.8**	5

FREQUENCY OF THE WIND.

Day.	N.	NNE.	NE.	ENE.	E.	ESE.	SE.	SSE.	S.	SSW.	SW.	WSW.	W.	WNW.	NW.	NNW.	Calm.	Total wind velocity.	Atmidometer.	Rainfall.
																		Kms.	*mm.*	*mm.*
1	-----	2	-----	-----	-----	1	8	1	1	-----	2	-----	-----	-----	-----	-----	9	154.5	2.9	-----
2	-----	-----	-----	-----	-----	-----	-----	-----	1	-----	1	2	-----	2	-----	-----	18	49	1.9	-----
3	-----	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	2	3	1	1	1	14	84.5	2.3	-----
4	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	4	3	3	-----	1	12	139	2.1	-----
5	-----	1	1	-----	-----	1	-----	-----	-----	-----	3	6	-----	-----	-----	-----	12	103	2.4	-----
6	1	8	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----	4	1	1	8	114	2.9	-----
7	-----	-----	-----	-----	-----	-----	2	1	5	-----	-----	1	4	1	-----	-----	10	98.5	3.9	-----
8	4	7	5	-----	1	-----	-----	-----	1	-----	-----	-----	-----	-----	-----	1	5	221.5	4.3	-----
9	6	14	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	2	-----	243.5	3.6	-----
10	6	9	5	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2	228	3.8	-----
11	3	8	1	1	1	-----	-----	1	-----	-----	-----	-----	-----	-----	-----	3	6	157	1.2	2.7
12	-----	8	4	1	1	3	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	6	145.5	4.3	-----
13	2	9	6	1	3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	2	143.5	4	-----
14	1	8	-----	-----	-----	-----	-----	-----	-----	-----	-----	3	-----	1	1	-----	10	112.5	3	-----
15	-----	2	1	4	1	-----	-----	-----	-----	-----	-----	1	1	1	-----	1	12	79.5	2	.3
16	1	2	15	3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	3	108	3.4	-----
17	-----	1	1	-----	-----	1	1	-----	-----	-----	-----	1	1	3	-----	-----	15	79.5	1.9	.4
18	1	3	1	-----	-----	1	-----	-----	-----	1	1	-----	1	-----	2	-----	13	63.5	2.3	-----
19	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	1	4	-----	-----	18	70	2.5	-----
20	-----	-----	-----	-----	-----	-----	-----	2	-----	-----	-----	5	1	-----	-----	-----	16	58.5	2.4	-----
21	1	-----	-----	-----	1	1	-----	-----	-----	-----	2	-----	5	2	-----	-----	12	78	2.8	-----
22	1	1	-----	-----	-----	3	-----	-----	-----	1	-----	-----	-----	1	-----	1	16	59	2.2	-----
23	-----	1	-----	1	-----	-----	-----	-----	-----	-----	-----	-----	1	5	-----	-----	16	61	2.8	-----
24	2	9	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	12	143.5	2.4	.1
25	6	15	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	3	204.5	3.3	.5
26	4	6	1	-----	3	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	9	77.5	1	7.4
27	2	-----	1	-----	6	5	-----	1	-----	-----	-----	-----	-----	-----	-----	-----	9	154	4.2	-----
28	3	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	1	5	1	-----	11	143.5	2.9	-----
29	-----	4	3	-----	-----	-----	-----	-----	-----	1	2	1	-----	1	1	-----	11	101	2.3	.3
30	-----	2	5	1	2	4	1	-----	-----	-----	-----	-----	1	-----	1	-----	7	106	1.2	1.3
31	2	10	4	2	-----	1	-----	-----	-----	-----	-----	-----	1	-----	-----	-----	4	129	2.2	.9
Total	47	134	56	16	19	21	14	6	8	3	11	28	24	34	9	13	301	3,710	84.4	13.9
Mean	1.5	4.3	1.8	0.5	0.6	0.7	0.5	0.2	0.3	0.1	0.4	0.9	0.8	1.1	0.3	0.4	9.7	119.7	2.7	0.4

EXTREME VALUES.

Day.	Maxima.						Minima.					
	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.	Pressure.	Hour.	Temperature.	Hour.	Humidity.	Vapor pressure.
	mm.		*°C.*		*Per cent.*	*mm.*	*mm.*		*°C.*		*Per cent.*	*mm.*
1	762.25	9.40p.	31.9	2.30p.	97	22.3	758.90	2.45p.	**22.9**	5.45a.	67	**19.6**
2	62.80	8.35a.	30.6	2.55p.	**99**	22.6	59.15	2.55p.	21.8	6.15a.	66	19.3
3	60.95	0.05a.	29.9	1.35p.	98	20.8	57.80	3.40p.	20.5	6.05a.	**74**	17.5
4	59.70	0.05a.	**29.2**	11.55a.	98	**22.7**	**56.44**	3.00p.	21.5	6.20a.	73	19.1
5	**59.05**	9.00p.	30	1.50p.	**99**	22.4	56.80	2.30a.	22.7	6.15a.	**74**	**19.6**
6	61.30	10.20p.	30.7	3.25p.	96	21.5	58.30	3.05p.	22.1	6.05a.	67	19.1
7	62.20	8.35a.	30.4	2.50p.	98	20.2	59.40	3.20p.	20.6	6.00a.	66	14.8
8	62.50	8.50a.	29.9	1.55p.	94	**16.1**	59.85	3.30p.	**18.2**	6.15a.	**50.5**	**14.5**
9	63.15	8.50a.	30	0.55p.	**89**	20.2	60.24	3.00p.	19.7	3.35a.	67	15.2
10	62.90	8.15a.	29.5	2.40p.	**89**	18.6	60.65	3.20p.	22.2	6.10a.	57	15.8
11	62.90	9.45a.	**29.2**	0.15p.	97	21.4	**60.80**	3.15p.	21.5	2.50a.	67	15.7
12	62.80	9.30a.	32.2	1.35p.	97	19.2	59.99	3.00p.	21	6.05a.	51	16.8
13	62.84	9.00a.	**32.4**	1.05p.	94	19.6	59.90	2.50p.	22	1.45a.	**50.5**	17.3
14	63.38	9.00a.	31.5	2.30p.	96	21.3	59.90	3.40p.	21.2	6.05a.	62	18.1
15	62.25	8.45a.	30.6	2.55p.	94	22.2	59.85	3.30p.	21.5	11.55p.	70	17.7
16	62.45	8.55a.	31.9	2.25p.	95	18.9	59.46	3.00p.	19.7	6.15a.	**50.5**	16.3
17	61.95	9.00a.	30.5	3.45p.	94	21	59.10	3.30p.	19.5	6.10a.	68	16.3
18	61.74	9.00a.	30	11.55a.	93	20.3	57.95	3.05p.	18.9	5.45a.	63	15.4
19	60.60	8.50a.	29.7	1.40p.	96	20	57.80	3.30p.	19.8	2.40a.	66	16.2
20	60.59	10.00a.	30.6	3.15p.	98	21.4	58.19	4.00p.	20.4	6.30a.	69	17.7
21	60.98	9.00a.	30.9	3.10p.	97	21.2	57.85	3.50p.	22.2	5.30a.	62	18.8
22	61.60	9.15a.	30.4	1.30p.	95	19.8	58.80	3.30p.	20.2	6.05a.	66	16.6
23	62.65	9.45a.	30.2	2.50p.	95	19.7	60.20	3.30p.	19.3	6.10a.	63	16.1
24	62.25	9.30a.	29.8	10.40a.	95	19.2	59.80	3.30p.	20	6.05a.	65	16.9
25	63.10	9.30p.	30.7	0.10p.	92	19.1	60.25	3.15p.	21.1	4.55a.	57	16.4
26	63.40	8.40a.	29.9	0.55p.	97	21	59.90	4.50p.	21.8	5.50a.	67	18.5
27	62.20	8.10a.	**32.4**	2.55p.	97	20.1	59.50	2.55p.	21.1	6.30a.	53	17.6
28	62.75	8.30a.	31.7	2.40p.	94	22.1	59.95	3.45p.	22.5	6.05a.	67	19
29	63.05	9.05p.	30.2	1.50p.	**99**	21.5	60.60	3.20p.	21.4	6.30a.	66.5	18.2
30	63.40	8.40a.	29.8	3.40p.	97	22.1	60.70	2.05p.	21.9	10.10p.	**74**	18.3
31	**63.45**	8.55a.	31.9	3.15p.	96	21.8	60	3.30p.	20.9	5.15a.	63	18
Mean	762.17	.....	30.6	.....	95.6	20.7	759.29	.....	21	.....	63.9	17.3

DAILY GENERAL REMARKS.

1____Somewhat gusty SE winds in the forenoon and afternoon.
2____Cloudy weather.
3____◠° in the afternoon; coloration and convergence of Cirrus toward SE at sunset.
4____Overcast.
5____♌, convergence of Cirrus in the morning; coloration of upper clouds at sunset.
6____Cloudy weather.
7____Do.
8____Somewhat gusty NNE winds in the forenoon and afternoon.
9____Overcast.
10____d° in the morning; somewhat gusty NE winds in the afternoon.
11____d° 11.23a.; ●° in the afternoon and at night.
12____Cloudy weather.
13____Do.
14____Do.
15____d° in the afternoon.
16____Cloudy weather.
17____d° in the afternoon.
18____Cloudy weather.
19____Coloration of clouds at sunrise.
20____Cloudy weather.
21____Do.
22____d° 11.10a. and 2.35p.
23____Cloudy weather.
24____Somewhat gusty Nly winds in the forenoon and afternoon; ⊤° SE, ●° in the afternoon.
25____●° in the early morning; d° in the afternoon.
26____● in the early morning and afternoon.
27____Somewhat gusty Ely winds in the afternoon.
28____Cloudy weather.
29____●° in the afternoon.
30____d° in the morning; ●° in the afternoon.
31____d° in the morning; ● in the afternoon.

GENERAL SUMMARY FOR 1912.

MONTHLY AND YEARLY RESULTS OF METEOROLOGICAL OBSERVATIONS FOR 1912 AND COMPARISONS WITH THEIR NORMAL VALUES.

Atmospheric pressure.

Month.	Mean, 1912.	Normal, 1885-1912.	Departure.	Mean maximum.	Mean minimum.	Absolute maximum.	Day.	Absolute minimum.	Day.	Range.
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*		*mm.*		*mm.*
January	762.40	761.07	+1.33	763.98	760.74	766.30	27	758.45	1	7.85
February	61.46	61.29	+ .17	63	59.71	65.55	6	57.20	28	8.35
March	61.16	60.54	+ .62	62.80	59.33	64.30	22	56.90	13	7.40
April	60.63	59.40	+1.23	62.16	58.64	64.79	13	55.24	30	9.55
May	58.63	58.37	+ .26	60.09	56.76	61.85	3	54.85	25	7
June	57.89	57.94	− .05	59.31	56.20	60.70	2	55.10	17	5.60
July	57.17	57.29	− .12	58.50	55.73	60.05	4	53.40	19	6.65
August	56.65	57.34	− .69	57.95	55.29	60.20	7	51.80	27	8.40
September	56.28	57.44	−1.16	57.74	54.75	60.85	23	49.40	15	11.45
October	58.36	58.66	− .30	59.91	56.73	61.85	19	53.95	17	7.90
November	58.94	59.36	− .42	60.36	57.33	62	8	53.55	25	8.45
December	60.83	60.46	+ .37	62.17	59.29	63.45	31	56.44	4	7.01
Year	759.20	759.10	+0.10	760.66	757.54	766.30	I, 27	749.40	IX, 15	16.90

Temperature in shade.

Month.	Mean, 1912.	Normal, 1885-1912.	Departure.	Mean maximum.	Mean minimum.	Absolute maximum.	Day.	Absolute minimum.	Day.	Range.
	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*		°*C.*		°*C.*
January	24.2	24.9	−0.7	31.5	19.2	33.0	26	15.8	23	17.2
February	25.3	25.3	0	32.2	20.2	34.3	17, 28	17.6	10	16.7
March	26.9	26.6	+ .3	34.4	20.6	36.1	30	17.8	11	18.3
April	28	28.2	+ .2	35.5	21.8	37.5	29	19.2	9	18.3
May	29	28.5	+ .5	36	24.3	38.3	19	21.9	11	16.4
June	28.7	27.9	+ .8	34.6	24.7	37.6	4	23.7	2	13.9
July	26.6	27.1	− .5	31.9	23.7	35.2	2, 6	22.7	8	12.5
August	26.4	27.1	− .7	30.6	23.9	32.5	3	22.7	5	9.8
September	26.7	26.9	− .2	30.6	24.2	32.9	7	22.9	26	10
October	26.3	26.8	− .5	30.9	23.4	33.3	28	21.7	25	11.6
November	25.7	25.9	− .2	31	22.3	32.9	3	20.7	27	12.2
December	24.8	25.2	− .4	30.6	21	32.4	13, 27	18.2	8	14.2
Year	26.55	26.70	−0.15	32.5	22.4	38.3	V, 19	15.8	I, 23	22.5

Relative humidity.

Month.	Mean, 1912.	Normal, 1885-1912.	Departure.	Mean maximum.	Mean minimum.	Maximum.	Day.	Minimum.	Day.	Range.
	Per cent.	*Per cent.*	*Per cent.*	*Per cent.*	*Per cent.*	*Per cent.*		*Per cent.*		*Per cent.*
January	76.3	78	−1.7	93.3	55.8	98	5	42	23	56
February	72.7	73.9	−1.2	90.7	52.5	99	9	39	22, 29	60
March	64.3	71.6	−7.3	84.1	42.3	91	14, 16	32	22, 30	59
April	62.5	69.6	−7.1	82.3	42.4	90	15	33	18, 23	57
May	68.6	76	−7.4	83.7	49.5	91	28	27	19	64
June	76.9	80.9	−4	92.2	59.7	97	7, 12, 19	46	4	51
July	85	84.8	+ .2	95.2	68.6	99	31	54	6	45
August	86.4	85	+1.4	95.2	73.8	100	9	62	5	38
September	85	85.6	− .6	94.1	73	98	3, 15	60	22	38
October	85.5	83.6	+1.9	95.8	70.4	99	22	57	15, 28	42
November	83	82.5	+ .5	95.7	66.2	99	{1, 7, 9, 13, 14, 15, 18}	56	5	43
December	82.2	81.1	+1.1	95.6	63.9	99	2, 5, 29	50.5	8, 13, 16	48.5
Year	77.4	79.4	−2	91.5	59.8	100	VIII, 9	27	V, 19	73

MONTHLY AND YEARLY RESULTS OF METEOROLOGICAL OBSERVATIONS, ETC.—Continued.

Month.	Vapor pressure.									
	Mean, 1912.	Normal, 1885–1912.	Departure.	Mean maximum.	Mean minimum.	Maximum.	Day.	Minimum.	Day.	Range.
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*		*mm.*		*mm.*
January	16.9	18.2	—1.3	18.6	15.2	21.7	12	12.4	23	9.3
February	17.1	17.6	—.5	18.8	15.5	22.2	17	13.3	14, 26	8.9
March	16.5	18.2	—1.7	18.5	14.7	21.4	13	12.6	11, 17, 22	8.8
April	17.1	19.4	—2.3	19.1	15	21.7	30	11.9	18	9.8
May	20.1	21.7	—1.6	22.6	17.8	25.2	30	12.7	19	12.5
June	22.2	22.4	—.2	23.9	20.5	25	17	17.3	5	7.7
July	21.9	22.4	—.5	23.5	20.4	25.3	1	18.9	16	6.4
August	22.1	22.4	—.3	23.3	20.8	24.6	3	18.6	5	6
September	22.1	22.4	—.3	23.4	20.8	25.3	27	18.8	22	6.5
October	21.6	21.7	—.1	23.2	19.9	24.5	9	16.7	16	7.8
November	20.2	20.4	—.2	22	18.7	23.6	1	15.6	25	8
December	18.9	19.2	—.3	20.7	17.3	22.7	4	14.5	8	8.2
Year	19.7	20.5	—0.8	21.5	18	25.3	VII, IX, 1, 27	11.9	IV, 18	13.4

Month.	Relative frequency of the wind from—											
	NNE-E.			ESE-S.			SSW-W.			WNW-N.		
	Mean, 1912.	Normal, 1885–1912	Departure.	Mean, 1912.	Normal, 1885–1912	Departure.	Mean 1912.	Normal, 1885–1912	Departure.	Mean, 1912.	Normal, 1885–1912	Departure.
January	3	7.8	—4.8	6	3.5	+2.5	2	3.4	—1.4	2	3.8	—1.8
February	4	7.6	—3.6	7	4.9	+2.1	2	3.7	—1.7	3	2.9	+.1
March	7	7.1	—.1	10	7.3	+2.7	2	3.5	—1.5	1	2	—1
April	5	5.8	—.8	11	8.2	+2.8	2	3.9	—1.9	1	1.8	—.8
May	4	4.9	—.9	5	5.4	—.4	7	6.2	+.8	2	2.4	—.4
June	2	4.3	—2.3	4	4.9	—.9	11	7.6	+3.4	2	2.4	—.4
July	4	3.1	+.9	6	3.8	+2.2	6	10	—4	3	2.5	+.5
August	1	2.7	—1.7	3	2.9	+.1	15	11.6	+3.4	1	2.4	—1.4
September	1	3.2	—2.2	2	3.5	—1.5	15	9.8	+5.2	2	2.4	—.4
October	4	3.1	+.9	3	3.1	—.1	5	3.2	+1.8	3	7.6	—4.6
November	6	7.6	—1.6	4	2.6	+1.4	2	3.1	—1.1	3	4.4	—1.4
December	7	8.2	—1.2	2	2.2	—.2	2	2.6	—.6	3	4.6	—1.6
Year	4	5.4	—1.4	5.2	4.4	+0.8	5.9	5.7	+0.2	2.2	3.3	—1.1

Month.	Velocity of the wind.									
	Mean, 1912.	Normal, 1885–1912.	Departure.	Daily maximum.	Day.	Daily minimum.	Day.	Range.	Hourly maximum.	Day and hour.
	Km.	*Km.*	*Km.*	*Km.*		*Km.*		*Km.*	*Km.*	
January	156.9	165.9	—9	238	18	56	10	182	25	17, 2–3 p.
February	198.7	191.7	+7	414	2	64	7	350	35.5	2, 8–9 p.
March	238.7	226.2	+12.5	367	10	138	18	229	33	10, 2–3 p.
April	245.2	236.3	+8.9	345	25	162	7	183	32	25, 2–3 p.
May	207.9	225.9	—18	320.5	6	124	8	296.5	30	2, 3–4 p. 16, 2–3 p.
June	241.3	231.2	+10.1	458	18	124	5	334	38	20, 3–4 p.
July	186.1	272	—85.9	427.5	30	72.5	9	355	44	21, 2–3 p.
August	324.1	292	+32.1	683.5	29	124.5	7	559	46	29, 7–8 a.
September	323	270.2	+52.8	722	28	76	24	646	50	28, 1–2 a.
October	179.3	179.9	—.6	506	16	51.5	22	454.5	41	17, 2–3 a.
November	139.5	162.8	—23.3	426	25	57.5	9	368.5	44	6, 10–11 a.
December	119.7	154.6	—34.9	243.5	9	49	2	194.5	30	8, noon–1 p.
Year	213.4	217.4	—4	722	IX, 28	49	XII, 2	673	50	IX, 28, 1–2 a.

MONTHLY AND YEARLY RESULTS OF METEOROLOGICAL OBSERVATIONS, ETC.—Continued.

Month.	Duration of sunshine.										Amount of clouds.		
	Mean, 1912.	Total, 1912.	Normal, 1890–1912.	Departure.	Maximum.	Day.	Mean, 1912.	Normal, 1885–1912.	Departure.
	h. m.	h. m.	h. m.	h. m.	h. m.		0-10.	0-10.	0-10.
January	6 04	187 55	194 08	— 6 13	10 05	26	6	5.2	+0.8
February	6 58	202 15	200 06	+ 2 09	10 50	27	5.2	4.8	+ .4
March	7 28	231 30	228 41	+ 2 49	10 30	11	4.7	4.4	+ .3
April	8 18	248 50	263 28	— 14 38	10 55	22, 25, 26	3.9	4	— .1
May	8 09	252 25	233 07	+ 19 18	11 20	3	4.8	5.7	— .9
June	6 42	201 05	173 44	+ 27 21	9 30	12	6.7	7	— .3
July	3 32	109 25	149 25	— 40 00	9 45	6	8.6	7.8	+ .8
August	3 34	110 25	143 36	— 33 11	10 25	5	8.6	7.8	+ .8
September	3 27	103 20	136 55	— 33 35	9 00	6	8.4	7.7	+ .7
October	3 28	107 35	169 17	— 61 42	9 45	28	8	6.7	+1.3
November	5 33	166 25	162 26	+ 3 59	9 40	10, 19	6.8	6.4	+ .4
December	5 00	154 50	158 47	— 3 57	8 00	12	6.4	6.1	+ .3
Year	5 41	2,076 00	2,213 40	—137 40	11 20	V, 3	6.5	6.1	+0.4

Month.	Rainfall.									
	Total, 1912.	Normal, 1865–1912.	Departure.	Daily maximum.	Day.	Hourly maximum.	Day and hour.	Rainy days, 1912.	Normal, 1866–1912	Departure.
	mm.	mm.	mm.	mm.		mm.				
January	21.9	27	— 5.1	10.4	10	10.4	10, 3– 4p.	5	5	0
February	24.6	10.7	+ 13.9	7.9	6	5.2	6, 1– 2p.	6	3	+ 3
March	2.6	18.5	— 15.9	2	16	2	16, 1– 2p.	3	3	0
April	.8	32.2	— 31.4	.8	13	.8	13, 5– 6a.	1	4	— 3
May	20.9	110.7	— 89.8	12.2	28	7.9	28, 5– 6p.	5	10	— 5
June	101.5	234	—132.5	40.2	12	26.4	12, 6– 7p.	12	16	— 4
July	529	398.5	+130.5	157.6	31	32.5	31, 3– 4p.	25	21	+ 4
August	656.6	359.2	+297.4	75.9	10	37.8	9, 10–11p.	29	21	+ 8
September	227.4	359.6	—132.2	38.9	7	28.7	7, 11–mdt.	18	20	— 2
October	170.4	188.6	— 18.2	28.4	7	22.4	24, 1– 2p.	26	16	+10
November	164.5	130.9	+ 33.6	74.2	29	22.6	29, 4– 5a.	15	12	+ 3
December	13.9	60.4	— 46.5	7.4	26	2.8	26, 4– 5a.	9	9	0
Year	1,934.1	1,930.3	+ 3.8	157.6	VII, 31	37.8	VIII, 9, 10–11p.	154	140	+14

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DEPARTMENT OF THE INTERIOR
WEATHER BUREAU
REV. JOSÉ ALGUÉ, S. J., DIRECTOR

ANNUAL REPORT OF THE WEATHER BUREAU

FOR THE YEAR 1912

PART III

METEOROLOGICAL OBSERVATIONS MADE AT THE SECONDARY STATIONS DURING THE CALENDAR YEAR 1912

MANILA
BUREAU OF PRINTING
1914

128974

Philippine Islands. Weather bureau.
551
P53

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INTRODUCTION.

In this volume (Part III) of the report of the Weather Bureau for 1912 we publish the meteorological observations made in the various stations which at present constitute the meteorological service of the Philippines, a service established by Act No. 131 of the Philippine Commission May 22, 1901.

In Part II of the report for 1902, pages 52 to 60, will be found a detailed account of the establishment and organization of these branch stations and a list of the instruments with which they are equipped, according to their class.

The report of the various observers are carefully collated and examined at the Central Observatory, but it is evident that the Directors cannot assume the full responsibility for the accuracy of these observations. As every meteorologist knows, in observations of this kind much must be left to the conscientious care of the observer. Hence, while we take this opportunity to express our confidence in our observers, we think it proper to subjoin the following list, which gives some particulars about the stations and also the names of the observers who are primarily responsible for the accuracy of the observations in this volume (Part III) of the Annual Report of the Weather Bureau.

SECONDARY STATIONS AND OBSERVERS OF THE WEATHER BUREAU.

Town.	Province.	Island.	North latitude.		East longitude.		Observer.	Class.
			°	′	°	′		
Zamboanga	Moro	Mindanao	6	54	122	05	Francisco Ventus	III
Davao	do	do	7	01	125	35	Lamberto Garcia	III
Cotabato	do	do	7	13	124	15	Gregorio Peralta	III
Cagayan	Misamis	do	8	29	124	38	Santiago R. Villaflor / Dolorito Contreras	III
Butuan	Agusan	do	8	56	125	32	Generoso Copin	III
Dumaguete	Oriental Negros	Negros	9	18	123	19	Matias G. Ordiales	III
Yap	Western Carolines	Yap	9	29	138	08	Prudencio Z. Urbiztondo.	III
Tagbilaran	Bohol	Bohol	9	38	123	51	Francisco Burgos	II
Surigao	Surigao	Mindanao	9	48	125	29	Joaquin Ortiz / Pastor Daroy	III / II
Maasin	Leyte	Leyte	10	08	124	50	Aguedo Espina	III
Cebu	Cebu	Cebu	10	18	123	54	Domingo de los Angeles.	I
Iloilo	Iloilo	Panay	10	42	122	34	Ricardo A. Luna	I
San Jose Buenavista	Antique	do	10	44	121	55	Teodoro Peñeiro	III
Cuyo	Palawan	Cuyo	10	51	121	01	Roman Kabigting	III
Ormoc	Leyte	Leyte	11	00	124	36	Pedro Baltasar	I
Guiuan	Samar	Samar	11	02	125	44	Patricio Yabao	IV
Tacloban	Leyte	Leyte	11	15	125	00	Perfecto Paulino	II
Capiz	Capiz	Panay	11	35	122	45	Juan Lugod	II
Borongan	Samar	Samar	11	37	125	26	Alejandro Factor / Cesareo Montes	III
Calbayog	do	do	12	04	124	36	Segundo Peñaflorida	II
Masbate	Sorsogon	Masbate	12	22	123	36	H. L. Heath	IV
Romblon	Capiz	Romblon	12	35	122	16	Pedro M. Asturias	III
Laoang	Samar	Samar	12	35	125	01	Doroteo Eusebio / Serafin Alzaga	III
Gubat	Sorsogon	Luzon	12	55	124	08	Victorio Ramos	IV

SECONDARY STATIONS AND OBSERVERS OF THE WEATHER BUREAU—Continued.

Town.	Province.	Island.	North latitude.		East longitude.		Observer.	Class.
			°	′	°	′		
Legaspi	Albay	Luzon	13	09	123	45	Bernardino Costa	I
Sumay	Ladrone Islands	Guam	13	24	144	38	Herbert Taylor	III
Calapan	Mindoro	Mindoro	13	25	121	11	Aquilino Nokom	III
Virac	Albay	Catanduanes	13	35	124	14	Eusebio Talion	III
Nueva Caceres	Ambos Camarines	Luzon	13	37	123	11	Eduardo Ongtengco	III
Batangas	Batangas	do	13	45	121	03	Enrico Cabral	III
Atimonan	Tayabas	do	14	00	121	55	Leon G. Guinto	I
Paracale	Ambos Camarines	do	14	17	122	47	Benito Pelaez	II
Santa Cruz	Laguna	do	14	18	121	25	Santiago de la Cruz	III
Antipolo	Rizal	do	14	36	121	10	Valeriano Garcia	IV
Iba	Zambales	do	15	20	119	58	Deogracias Tablan	III
San Isidro	Nueva Ecija	do	15	22	120	53	Bernardo Pecache	II
Dagupan	Pangasinan	do	16	03	120	20	Domingo Torres / Jose M. Sison	I
Bolinao	do	do	16	24	119	53	Ezequiel Reinoso	II
Baguio	Mountain	do	16	25	120	36	Jose M. Sison / Leoncio Santos	I
San Fernando	Union	do	16	37	120	19	Godofredo Resurreccion.	III
Echagüe	Isabela	do	16	41	121	39	Benito Maramba	III
Candon	Ilocos Sur	do	17	12	120	26	Luis Quismorio	IV
Vigan	do	do	17	34	120	23	Jaoquin S. Gallego	II
Tuguegarao	Cagayan	do	17	36	121	40	Jose C. de Leon	II
Laoag	Ilocos Norte	do	18	12	120	35	Jose Saez / Joaquin Ortiz	III
Aparri	Cagayan	do	18	22	121	38	Manuel Delgado	I
Santo Domingo	Batanes	Batan	20	28	121	59	Claudio Castillejos	III

REMARKS.

The hours of observations at the first and second class stations are 2 a. m., 6 a. m., 10 a. m., 2 p. m., 6 p. m., 10 p. m.; at the third and fourth class stations, 6 a. m. and 2 p. m. The time used is that of the one hundred and twentieth meridian east of Greenwhich.

The barometer readings are reduced to sea level and 0° C., but no correction has been applied to eliminate the effect of gravity depending on the latitude of the place of observation.

INTERNATIONAL SYMBOLS FOR CLOUD FORMS.

Ci. =Cirrus.	Cu.-N. =Cumulo-nimbus.
Ci.-S. =Cirro-stratus.	S. =Stratus.
Ci.-Cu. =Cirro-cumulus.	Fr.-Cu. =Fracto-cumulus.
A.-Cu. =Alto-cumulus.	Fr.-N. =Fracto-nimbus.
A.-S. =Alto-stratus.	Fr.-S. =Fracto-stratus.
S.-Cu. =Strato-cumulus.	S.-cf. =Stratus-cumuliformis.
N. =Nimbus.	N.-cf. =Nimbus-cumuliformis.
Cu. =Cumulus.	M.-Cu. =Mammato-cumulus.

METEOROLOGICAL OBSERVATIONS MADE AT FIRST AND SECOND CLASS STATIONS DURING THE CALENDAR YEAR 1912.

TAGBILARAN.

[$\phi = 9°\ 33'$ N; $\lambda = 123°\ 51'$ E; barometer above sea, 26.2 meters; gravity correction not applied, —1.86 mm.]

JANUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.52	59.62	59.75	57.28	58.69	59.71	23.6	23.4	29.4	30.2	26.3	25.3	32.4	------	95	95	65	70	86	82	------
2	58.84	59.67	60.24	58.58	59.66	60.57	22.2	21.9	29.2	29.5	25	22.5	32.5	------	89	92	60	61	83	93	------
3	60.14	60.52	61.38	59.16	60.10	60.68	22	19.1	28.5	28.9	25.1	21.7	31.4	------	93	99	66	65	83	97	1.5
4	60.74	61.20	61.30	59.17	59.80	60.39	22.5	22.4	28.9	32.4	25.1	22.4	33.6	------	97	98	65	58	83	90	------
5	60.20	60.29	60.36	58.27	59.17	60.12	22.2	19.6	29.8	31.7	26.4	24.3	33.6	------	89	97	56	45	64	81	------
6	59.49	59.53	59.65	58.15	59.19	60.12	24	22.7	27.9	30.9	26.5	23.4	31.8	------	85	95	74	68	82	98	3
7	59.72	60.02	60.40	58.63	59.81	60.04	23.4	23.3	28.7	31.8	26.7	22.6	33.2	------	97	90	70	51	66	89	------
8	60.24	61.02	60.75	58.80	59.52	59.88	22.4	21.7	29.6	29.2	26.2	22	31.9	------	88	92	58	65	79	96	------
9	60.02	60.64	61.16	59.04	59.67	60.21	21.5	19	29.6	29.9	25.8	22.4	31	------	87	99	69	61	80	92	------
10	60.02	61.04	61.70	59.83	60.68	61.42	22	21.5	29	28.4	25.4	24	31.5	------	91	94	66	65	84	91	------
11	61.37	62.49	62.51	60.35	61.25	61.87	23.5	21.9	29	30	26	22.7	32.1	------	87	96	59	62	73	89	------
12	60.67	61.25	62.35	59.93	60.98	61.62	21.2	20.4	28	29	26.5	24.6	31.5	------	98	98	79	68	85	80	------
13	61.65	61.95	62.65	59.75	60.37	62.47	23.2	22.5	27	28.2	26.4	23.2	30.8	------	91	96	78	77	78	88	------
14	62.10	62.22	62.45	59.95	60.59	61.55	22.2	21.8	30.4	31.2	26	23.2	34.1	------	89	91	56	50	70	83	------
15	61.47	61.40	62.14	59.69	60.62	62.26	22.6	21.9	30.6	32	26.5	25.1	33.8	------	86	92	55	53	73	83	------
16	61.66	62.36	63.13	60.87	61.11	62.77	23	21.7	31.7	29.9	27	23	32.6	------	93	94	56	64	81	98	------
17	62.12	62.32	62.96	61.06	61.66	62.82	22	19.9	30.9	26.6	25.9	24.8	32.1	------	93	97	56	75	77	83	------
18	62.15	62.24	62.70	60.60	61.38	62.45	24.2	23.3	29.4	28.7	24.7	23.6	30.6	------	82	87	64	64	89	88	------
19	62.38	62.46	63.04	61.18	62.13	63.06	23	20.9	30.4	32	25.5	21.9	34	------	79	96	54	47	75	92	------
20	63	62.82	63.15	60.78	61.36	62.35	21	20.4	31.1	30	26.4	23.2	33.1	------	95	94	52	60	83	93	------
21	62.20	62.10	62.88	60.70	61.48	62.45	22.2	20.7	28.8	27.7	25.7	22.7	33.3	------	93	98	64	68	81	87	------
22	62.12	62.72	63.33	60.40	60.77	61.86	21	18.7	30.4	30	26.2	22.2	32.7	------	89	99	59	61	72	93	------
23	61.47	61.76	62.43	60.74	61.18	62.52	22	21.6	28.3	30.3	25.7	23.2	31.8	------	98	93	64	68	83	88	------
24	62.40	62.60	63.31	61.23	61.35	62.80	23	20.9	30	30.1	26.6	23.4	31.8	------	86	99	60	58	79	88	------
25	62.38	62.27	63.13	60.93	60.95	62.01	23.2	20	30.7	30	26.2	22.9	32.4	------	88	99	56	64	75	83	------
26	62.05	62.42	63.09	60.94	62.10	63.39	22.2	20.9	30.3	28.7	26.5	23.4	31.6	------	95	96	56	68	82	93	------
27	62.85	63.25	63.86	61.69	62.75	63.16	23	22.1	30.4	26.5	26	24	33.4	------	90	96	60	82	73	83	------
28	63.17	63.29	64.66	60.94	61.41	62.69	23.9	23.5	28.5	28.9	26.7	23.5	33.1	------	86	90	66	64	74	83	------
29	62.60	62.71	62.79	60.39	61.50	62.67	23.2	22	31.7	29	26.4	23.7	32.9	------	86	96	54	68	83	91	------
30	61.97	62.26	63.04	60.64	61.35	62.07	22.2	21.3	30.4	30.7	25.6	21.6	33.3	------	93	95	58	55	76	93	------
31	62.17	62.26	62.75	60.38	60.81	62.11	21	19.9	30.3	30.6	26.7	22.7	32.3	------	96	98	55	53	73	92	------
Mean	61.38	61.70	62.23	60	60.75	61.74	22.5	21.3	29.6	29.8	26.1	23.2	32.5	------	90.5	95.3	61.6	62.5	78.2	89	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	4.5

Day.	Wind.										Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	Calm	----	Calm	----	E	1	ENE	1	E	1	NE	1	9	Ci.-S.	Cu.	3	Ci.	Cu. E
2	Calm	----	SE	1	ENE	2	SE	1	Calm	----	E	1	3	Ci.	Cu.	9	Ci.-S.	Cu.
3	Calm	----	Calm	----	SE	1	S	2	Calm	----	Calm	----	5	Ci.-S.	Cu.	6	Ci.-S.	Cu.
4	Calm	----	Calm	----	SSE	2	E	3	Calm	----	Calm	----	6	Ci.-S.	Cu. E	3	Ci.-S.	Cu.
5	Calm	----	Calm	----	ENE	2	SE	3	E	1	Calm	----	1	Ci.	Cu.	2	Ci.	Fr.-Cu. E
6	E	1	NE	1	ENE	1	SE	1	Calm	----	Calm	----	5	Ci.	Fr.-Cu. E	3	Ci.	Cu. E
7	SE	1	SSE	1	SSE	1	E	2	NE	1	Calm	----	5	Ci.-S.	Cu. E	2	Ci.	Cu.
8	Calm	----	S	1	NE	2	S	2	Calm	----	Calm	----	9	Ci.-S.	Cu.	4	Ci.	Cu. E
9	Calm	----	S	1	S	1	S	2	Calm	----	SSE	1	1	Ci.	Cu.	2	Ci.	Cu.
10	Calm	----	S	1	SSE	1	S	2	Calm	----	Calm	----	1	Ci.-Cu.	Cu.	3	Ci.	Cu.
11	Calm	----	Calm	----	NE	1	S	2	Calm	----	E	1	5	Ci.-S.	Cu.	5	Ci.-S.	Fr.-Cu. SE
12	Calm	----	Calm	----	SE	2	SSE	2	Calm	----	E	1	2	Ci.-S.	Cu.	5	Ci.-S.	Cu. E
13	Calm	----	Calm	----	S	2	SSE	1	Calm	----	Calm	----	10	Ci.-S.	Cu. E	6	Ci.-S.	Cu. ESE
14	Calm	----	NE	2	NE	3	NE	2	Calm	----	Calm	----	3	Ci.-S.	Cu.	3	Ci.	Fr.-Cu. E
15	Calm	----	Calm	----	ENE	3	E	2	Calm	----	SE	2	2	Ci.	Cu.	3	Ci.	Cu. E
16	Calm	----	SE	1	NE	2	Calm	----	E	2	Calm	----	2	Ci.	Cu.	10	Ci.	Fr.-N. E
17	SE	1	S	1	NE	2	SE	1	Calm	----	Calm	----	1	Ci.	Cu.	10	Ci.-S.	N. E
18	Calm	----	Calm	----	NE	1	Calm	----	Calm	----	Calm	----	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
19	Calm	----	SE	1	NE	3	NE	3	Calm	----	Calm	----	2	Ci.-S.	Cu.	2	Ci.	Fr.-Cu. E
20	Calm	----	Calm	----	NE	1	S	2	Calm	----	Calm	----	5	Ci.-S.	Cu.	5	Ci.-S.	Cu. SE
21	Calm	----	Calm	----	NNE	2	S	2	Calm	----	Calm	----	6	Ci.-S.	Cu.	5	Ci.-S.	Cu.
22	Calm	----	SSE	1	S	1	S	3	Calm	----	Calm	----	1	Ci.	Cu.	2	Ci.	Cu. SE
23	Calm	----	Calm	----	S	1	Calm	----	Calm	----	Calm	----	2	Ci.	Cu.	2	Ci.	Fr.-Cu. NNW
24	Calm	----	Calm	----	SE	2	S	3	Calm	----	Calm	----	5	Ci.-S.	Cu.	2	Ci.	Cu. E
25	Calm	----	Calm	----	Calm	----	NNE	2	Calm	----	NE	1	1	Ci.	Cu.	2	Ci.	Fr.-Cu.
26	ENE	1	E	1	NE	1	SSE	2	Calm	----	Calm	----	1	Ci.	Cu.	3	Ci.	Cu. SE
27	Calm	----	Calm	----	NE	1	S	3	Calm	----	Calm	----	6	Ci.	Cu. E	10	Ci.-S.	Cu. SE
28	Calm	----	Calm	----	SE	2	SSE	2	Calm	----	E	1	5	Ci.-S.	Cu.	3	A.-Cu.	Cu. E
29	Calm	----	Calm	----	NE	2	S	3	Calm	----	Calm	----	7	A.-Cu.	Cu.	2	Ci.	Cu.
30	Calm	----	SE	1	SE	1	Calm	----	Calm	----	Calm	----	1	A.-Cu.	Cu.	2	Ci.	Cu. E
31	Calm	----	S	1	ENE	1	SSE	2	Calm	----	Calm	----	1	Ci.	Cu.	2	Ci.	Cu.
Mean	------	0.1	------	0.5	------	1.5	------	1.8	------	0.2	------	0.3	4	----------	----------	4.2	----------	----------

TAGBILARAN.

[$\phi = 9°\ 38'$ N; $\lambda = 123°\ 51'$ E; barometer above sea, 26.2 meters; gravity correction not applied, —1.86 mm.]

FEBRUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	62	62.48	62.99	60.60	60.92	62.01	22	20.7	29.3	29	25.9	21.7	32.4	------	96	99	61	64	69	92	------
2	62.37	61.97	62.78	60.26	60.57	62.35	21	20.4	27.6	28.4	26.4	23.7	31.4	------	93	92	75	73	84	96	------
3	62.30	61.87	62.36	59.75	60.45	61.51	23.6	23	29.3	29.6	27.2	24.5	31.9	------	95	98	70	69	81	93	------
4	61.22	61.79	62.65	60.88	62.19	62.50	24	22.4	28.7	25.1	23.6	23.3	30.2	------	88	96	72	96	95	94	9.7
5	62.60	62.67	62.90	60.80	61.98	62.95	23.1	22.8	28.7	26.7	25	23.9	31.7	------	96	97	69	85	93	95	16.8
6	62.41	63.09	63.40	61.04	62.23	63.37	23.2	21.4	27.9	28.7	26.6	21.7	31.2	------	98	98	66	67	74	93	------
7	62.92	63.42	63.56	60.83	62.14	63.29	20.2	19.4	29.8	31.4	26.7	21.4	32.9	------	98	99	54	52	67	92	------
8	63	63.12	63.09	60.70	61.66	62.84	21	20.5	30	27.2	26.4	24.9	32.1	------	95	95	56	70	76	85	------
9	62.27	61.97	62.43	60.17	60.81	61.83	24.2	23.2	28.7	28.5	27	25	31.3	------	83	90	63	68	78	88	------
10	61.70	61.22	61.61	59.34	60.07	61.35	24.1	22	26.8	26	25.4	23.6	30.8	------	87	99	84	93	98	99	72.4
11	61.35	60.84	61.38	59.74	60.06	62.40	23	22.2	28.4	29.2	26.4	23	30.8	------	95	99	68	67	83	90	------
12	60.89	60.89	61.10	58.64	59.10	60.32	22.8	21	29.5	28.5	25.9	22.9	31.2	------	88	98	61	75	77	94	------
13	59.62	59.83	60.21	58.01	58.35	59.67	22.4	20.8	29.4	27.3	25.4	22.5	31.6	------	96	98	64	84	90	99	7.4
14	58.67	59.03	59.22	57.16	58.27	59.23	22.6	22.6	30	27.7	25	24.4	31.7	------	97	98	66	80	98	98	32.5
15	58.42	58.48	59.75	57.90	58.58	60.05	24.2	24.1	28.8	28.5	27	24.7	30.7	------	98	97	76	77	83	97	------
16	60	59.87	60.50	58.39	58.49	60.05	24.3	24	30	30.1	27.2	24.3	31.6	------	96	97	64	69	87	94	------
17	59.59	59.68	60.80	58.74	58.57	59.95	24.2	23	29.2	26.5	26	23.7	31.3	------	90	98	74	91	82	99	7.9
18	60.07	59.93	60.65	58.66	59.22	60.42	23	22	30.5	29.5	26.4	24.9	32.1	------	97	96	64	74	86	99	2
19	60.70	60.47	61.19	59.08	60.12	61.36	24.8	22.5	29.4	27.2	25.4	23.9	31.8	------	85	99	66	90	90	97	5.8
20	60.13	60.62	61	59.16	60.02	61.07	23.2	20	29.3	28.7	23.9	22.9	31.3	------	95	98	54	64	87	96	------
21	60.64	60.82	61.10	58.99	59.78	60.95	22.9	22.7	30.3	31.4	26.8	24.2	32.9	------	96	97	57	53	74	88	------
22	60.57	60.64	61.46	59.38	59.54	61.20	24	20.5	28.7	29	27.9	23.9	31.7	------	86?	99	66	68	56	86	------
23	60.79	60.69	61.37	58.84	59.25	60.56	23.4	20.8	29.2	30.4	26.4	24.2	31.5	------	86	99	64	61	84	90	------
24	60.12	60	60.23	58.06	58.12	60.64	23	20.5	28.6	26.8	24.6	23.8	30.8	------	90	99	71	87	95	98	------
25	59.67	59.77	60.49	58.81	58.91	59.97	23.8	23.7	28.8	27.7	27	23.5	31	------	97	97	76	85	77	92	------
26	59.69	59.71	60.75	57.73	59.06	60.54	23.2	22.7	27	30	27	23	31.8	------	95	98	83	71	71	91	------
27	59.49	59.77	59.86	57.43	58.50	59.50	22.9	21.7	30.3	28.3	27	23.8	32	------	90	98	62	76	75	93	------
28	58.39	59.38	59.75	57.80	57.96	59.15	23.5	21.4	29.1	28.5	26.4	24.9	31.9	------	85	98	65	75	92	89	------
29	58.29	58.78	60.20	57.51	57.90	59.48	24.4	23.2	29	28.3	25.9	23.4	30.1	------	88	93	71	81	80	99	1.5
Mean	60.69	60.79	61.34	59.12	59.75	61.05	23.2	21.9	29	28.4	26.1	23.6	31.5	------	92.4	97.2	67	74.7	82.1	93.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	156

Day.	Wind.										Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	Calm	----	Calm	----	S	2	S	3	E	1	Calm	----	2	Ci.	Cu.	1	----------	Cu.
2	Calm	----	SE	1	E	1	SSE	3	Calm	----	Calm	----	1	Ci.	Cu.	5	Ci.	Cu. E
3	Calm	----	Calm	----	Calm	----	S	3	S	1	Calm	----	7	A.-Cu.	Cu. NNE	5	Ci.	Cu. NE
4	Calm	----	Calm	----	NE	1	Calm	----	NNE	1	NE	1	1	Ci.	Cu.	10	----------	N.
5	Calm	----	Calm	----	NNE	1	SSE	2	Calm	----	S	1	9	Ci.-S.	N. E	6	Ci.-S.	Fr.-N. E
6	SSE	1	Calm	----	ENE	1	SE	1	ESE	1	Calm	----	7	Ci.	Cu.	5	Ci.-S.	Cu.
7	Calm	----	SE	1	SE	2	SE	2	SE	1	Calm	----	1	Ci.	Cu.	3	Ci.	Cu. E
8	Calm	----	S	1	ESE	2	SSE	2	Calm	----	Calm	----	1	Ci.	Cu.	10	Ci.-S.	N. E
9	Calm	----	Calm	----	SE	2	NE	2	Calm	----	E	1	7	Ci.-S.	Cu.	7	Ci.-S.	Cu. E
10	Calm	----	Calm	----	SSE	1	Calm	----	Calm	----	NE	1	5	Ci.-Cu.	Cu.	9	Ci.-S.	N.
11	Calm	----	S	1	SE	2	S	3	Calm	----	Calm	----	1	Ci.	Cu.	3	Ci.	Fr.-Cu. E
12	Calm	----	Calm	----	SE	2	S	2	Calm	----	Calm	----	2	Ci.	Cu.	3	Ci.-S.	Cu. SSE
13	Calm	----	Calm	----	SE	2	NNE	2	Calm	----	Calm	----	2	Ci.	Cu.	10	Ci.-S.	N. ENE
14	Calm	----	Calm	----	NE	1	SSE	2	SE	2	Calm	----	10	Ci.-S.	Cu.	7	Ci.-S.	Cu. E
15	Calm	----	Calm	----	SE	2	S	3	Calm	----	SSE	1	5	Ci.	Cu.	5	Ci.	Cu. ESE
16	Calm	----	SE	1	SSE	2	S	2	Calm	----	Calm	----	3	Ci.	Cu. E	5	Ci.-S.	Cu. E
17	Calm	----	SSE	1	SE	2	S	2	Calm	----	Calm	----	2	Ci.	Cu. E	10	Ci.-S.	N.
18	Calm	----	Calm	----	SSE	1	S	3	Calm	----	Calm	----	1	Ci.	Cu.	2	Ci.	Cu.
19	Calm	----	Calm	----	SSE	3	SE	2	Calm	----	S	1	2	Ci.-Cu.	Cu.	3	Ci.	Cu. E
20	Calm	----	Calm	----	NE	2	E	1	ENE	2	ENE	1	1	Ci.	Cu.	10	Ci.-S.	Cu.
21	Calm	----	Calm	----	SE	2	SSE	3	SE	2	E	1	2	Ci.	Cu.	2	Ci.	Fr.-Cu. E
22	Calm	----	Calm	----	S	2	S	2	SE	2	Calm	----	1	Ci.	Cu.	3	Ci.	Cu. E
23	Calm	----	Calm	----	SSE	1	S	3	Calm	----	E	1	1	Ci.	Cu.	2	Ci.	Cu. E
24	SE	1	SSE	1	SE	1	SSE	3	Calm	----	Calm	----	1	Ci.	Cu.	10	Ci.-S.	Fr.-N. SE
25	Calm	----	Calm	----	E	1	Calm	----	Calm	----	NE	1	10	Ci.-S.	Cu.	10	Ci.-S.	Fr.-N. E
26	Calm	----	Calm	----	Calm	----	S	2	Calm	----	NNE	1	3	Ci.-S.	Cu. E	5	Ci.	Cu. E
27	SE	1	SSE	1	E	2	SSE	3	SE	1	SE	1	1	Ci.	Cu.	10	Ci.-S.	Cu. E
28	S	1	S	1	SE	1	Calm	----	SE	1	Calm	----	5	Ci.-Cu.	Cu. SE	9	Ci.-S.	Cu.
29	Calm	----	S	1	NE	2	SE	1	Calm	----	Calm	----	2	Ci.	Cu.	9	Ci.-S.	Cu. E
Mean	------	0.1	------	0.3	------	1.5	------	2	------	0.5	------	0.4	3.3	----------	----------	6.2	----------	----------

TAGBILARAN.

[$\phi = 9°\ 38'$ N; $\lambda = 123°\ 51'$ E; barometer above sea, 26.2 meters; gravity correction not applied, —1.86 mm.]

MARCH, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.64	59.14	60.05	58.41	58.84	60.16	23.2	20.7	29.8	25.4	26.3	25.4	31.9	------	98	99	62	89	82	79	------
2	59.67	60.46	61.08	58.89	59.77	60.88	24.2	22.9	30.5	30.9	27.2	25.4	33.2	------	86	94	63	67	81	80	------
3	60.32	60.80	61.93	59.61	59.91	61.90	24.3	22.5	30	30.4	27.5	24.4	31.9	------	84	96	70	70	85	97	------
4	60.63	60.99	61.55	58.73	58.96	60.52	24.2	21.5	30.8	30	26.1	21.7	34.4	------	95	99	60	67	68	90	------
5	59.94	60.13	60.49	58.34	59.65	60.86	21.2	20	27	28.4	26	24	31.3	------	93	97	77	77	84	93	------
6	60.17	60.57	61.65	59.23	59.95	61.06	24	23	26.8	28.5	26.5	23.7	30.6	------	91	98	84	76	71	87	------
7	60.04	60.81	61.13	58.81	59.66	60.95	24.5	24.1	29.5	28.6	27.3	26.5	31.5	------	96	96	73	80	81	86	3.6
8	60.60	61.17	61.77	59.44	60.61	62	25.6	23.4	30.1	32.6	27.2	23.2	34.2	------	85	99	66	53	63	84	------
9	61.82	62.51	62.70	59.75	60.03	61.09	23	20.7	28.9	30.5	26.4	24	32.9	------	84	98	66	52	71	78	------
10	61.21	61.59	62.04	60.05	59.83	61.14	23.6	20.4	29.5	30	27	24.6	31.9	------	78	96	70	66	83	87	------
11	59.77	59.93	60.85	58.90	58.70	59.70	24.5	21.3	30.7	31.6	26.7	23.2	33.2	------	86	99	66	60	86	99	------
12	58.17	58.77	59.29	57.27	57.94	59.25	23	20.5	29.7	30.4	27.3	26	32	------	98	99	70	72	86	92	------
13	57.60	58.66	59.75	57.43	58.04	59.24	25.8	22.6	28.5	31	27.5	24.4	32.7	------	84	99	80	59	87	95	------
14	58.75	59.72	60.98	58.65	59.18	60.65	24	22.5	29.5	32.2	27.6	24	33.9	------	97	99	68	54	58	81	------
15	59.54	60.32	61.02	58.98	58.77	60.47	23.9	20.8	30.4	29.9	26.2	23.2	32.3	------	79	99	59	65	67	80	------
16	59.83	60.59	61.55	58.90	58.98	60.46	23	20.4	29.6	31.7	27.6	23.9	32.1	------	79	97	65	58	70	84	------
17	59.74	60.60	61.63	59.03	59.23	60.90	23.4	21	30.1	30	27	22.7	32.4	------	86	98	64	57	75	75	------
18	59.59	60.86	61.57	59.13	59.91	61.47	22.1	19.6	32.2	29.9	27.1	23.9	34.3	------	78	94	48	58	61	66	------
19	60.94	61.50	62.65	59.60	60.14	61.60	23	20.9	31.4	30.6	27.2	21.6	34.2	------	74	94	47	59	63	74	------
20	60.62	61.58	62.53	60.23	60.61	62	21	18.7	29.4	28.3	26.6	24	32.3	------	80	99	59	70	85	95	------
21	60.79	61.39	62.29	60.28	61.18	62.58	23.6	21.4	30.2	29.3	27.1	26.4	32.6	------	93	99	66	70	69	77	------
22	61.95	62.12	62.28	60.22	60.74	61.98	24.9	21.7	30.7	31.4	27.4	24.8	34.7	------	83	98	60	54	64	86	------
23	60.90	61.60	61.99	59.69	59.91	61.35	24.6	23	28.2	30.5	28.9	23	32.3	------	85	96	72	63	62	91	------
24	60.69	61.57	61.94	60.27	60.53	62.20	22.9	20.7	29.3	29.7	26.9	25.4	32.7	------	89	99	70	72	81	79	------
25	61.59	62.25	62.47	60.53	60.80	62.13	25.2	23	32.3	30.2	27.6	25.2	34.8	------	79	89	53	62	61	77	------
26	61.91	62.42	62.45	59.60	60.23	61.34	24.2	20.7	28.7	29.4	26.8	22.9	31.9	------	82	99	73	72	77	88	------
27	60.62	61.42	62.25	59.85	59.83	61.45	22.4	20.5	29.5	29.2	27.6	23.4	31.9	------	91	99	68	70	83	90	------
28	60.80	61.47	62.14	59.88	60.31	61.61	23	21.6	28.9	32.3	27.3	23.5	33	------	91	98	73	61	76	85	------
29	61.12	61.19	61.98	59.99	60.28	61.93	23.2	20.8	29.3	30.3	28.1	27	33.3	------	84	99	68	65	75	81	------
30	60.77	60.97	61.78	59.42	59.93	61.16	25.6	23.2	30	31.5	28.5	24.9	33.3	------	79	96	71	62	73	83	------
31	61.13	60.93	61.28	59.10	59.80	61.49	24.8	24.6	31.6	30.7	27.5	21.7	32.8	------	85	91	62	64	63	95	1
Mean	60.32	60.90	61.58	59.30	59.75	61.15	23.7	21.6	29.8	30.2	27.2	24.1	32.8	------	86.2	97.2	66.2	65.3	73.9	85	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	4.6

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.				2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.			Amount.	Form and direction.		
														Upper.	Lower.			Upper.	Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*				*0–10*			
1	Calm	----	S	1	NE	1	NNE	1	Calm	----	E	1	1	Ci.	Cu.		10	Ci.-S.	N.	NE
2	Calm	----	SSE	1	SE	2	NE	2	Calm	----	SE	1	5	Ci.	Cu.	E	3	Ci.	Cu.	E
3	ESE	1	S	1	NNE	2	NE	1	Calm	----	SSE	1	5	Ci.	Cu	SE	3	Ci.	Cu.	E
4	Calm	----	Calm	----	NE	2	SE	2	NE	1	Calm	----	1	Ci.	Cu.		2	Ci.	Cu.	E
5	Calm	----	E	1	NNE	2	N	2	NNE	1	Calm	----	1	Ci.-Cu.	Cu.		8	Ci.-S.	Cu.	
6	Calm	----	Calm	----	NE	1	Calm	----	NE	1	ENE	1	5	A.-Cu.	Cu.	E	9	Ci.-S.	Fr.-N.	E
7	Calm	----	Calm	----	NNE	1	NNE	2	NE	1	Calm	----	7	Ci.	Cu.	E	5	Ci.	Cu.	E
8	Calm	----	Calm	----	SE	2	S	3	E	1	SE	1	3	Ci.-Cu.	Cu.		1	Ci.	Cu.	SE
9	S	1	S	1	S	2	S	3	Calm	----	SE	1	1	Ci.	Cu.		2	Ci.	Cu.	SE
10	Calm	----	Calm	----	SSE	1	S	1	S	2	Calm	----	1	Ci.	Cu.		3	Ci.	Cu.	SE
11	Calm	----	Calm	----	ESE	2	SSE	2	Calm	----	Calm	----	2	Ci.	Cu.		2	Ci.	Cu.	E
12	Calm	----	S	1	NE	1	S	2	S	2	Calm	----	1	Ci.	Cu.		2	Ci.	Fr.-Cu.	SE
13	Calm	----	Calm	----	Calm	----	S	3	Calm	----	Calm	----	3	Ci.-S.	Cu.		1	Ci.	Cu.	E
14	Calm	----	Calm	----	SE	2	S	1	Calm	----	NNE	1	3	Ci.	Cu.		2	Ci.	Cu.	
15	E	1	SSE	1	S	1	SSE	3	Calm	----	SE	1	5	Ci.-S.	Cu.		2	Ci.	Cu.	SE
16	E	1	Calm	----	SSE	2	N	2	Calm	----	Calm	----	2	Ci.	Cu.		2	Ci.	Cu.	
17	Calm	----	Calm	----	SE	2	S	3	Calm	----	Calm	----	1	Ci.	Cu.		2	Ci.	Fr.-Cu.	SE
18	Calm	----	SSE	1	ENE	3	SSE	2	SE	1	E	2	1	Ci.	Cu.		6	Ci.	Cu.	SE
19	Calm	----	Calm	----	NE	3	SSE	3	Calm	----	E	1	3	Ci.	Cu.		1	Ci.	Cu.	SE
20	Calm	----	Calm	----	E	1	Calm	----	Calm	----	Calm	----	1	Ci.	Cu.		10	Ci.-S.	Fr.-N.	NE
21	Calm	----	S	1	SE	2	S	2	NE	2	SE	1	3	Ci.	Fr.-Cu.	SE	10	----------	N.	SE
22	Calm	----	Calm	----	NE	1	SSE	3	E	1	Calm	----	3	Ci.	SSE	Cu.	6	Ci.	Cu.	SE
23	Calm	----	SE	1	E	1	SE	1	NE	2	NE	1	3	Ci.	E	Cu.	5	Ci.	Cu.	E
24	Calm	----	Calm	----	S	2	S	1	Calm	----	Calm	----	2	Ci.		Cu.	3	Ci.	Cu.	E
25	Calm	----	Calm	----	SE	3	SSE	3	Calm	----	E	2	2	Ci.		Cu.	5	Ci.	Cu.	E
26	NE	1	Calm	----	SE	1	S	3	Calm	----	Calm	----	2	Ci.		Cu.	2	Ci.	Cu.	SE
27	Calm	----	S	1	SE	2	Calm	----	Calm	----	Calm	----	1	Ci.		Cu.	6	Ci.-S.	Cu.	E
28	Calm	----	S	1	SSE	2	S	2	Calm	----	Calm	----	1	Ci.		Cu.	2	Ci.	Cu.	ESE
29	Calm	----	Calm	----	SSE	2	S	3	Calm	----	Calm	----	1	Ci.		Cu.	3	Ci.	Fr.-Cu.	SE
30	Calm	----	SSE	1	SE	1	S	3	Calm	----	Calm	----	2	Ci.		Cu.	3	Ci.	Cu.	E
31	Calm	----	E	1	NE	2	SE	2	Calm	----	Calm	----	9	Ci.-S.		Cu. E	6	Ci.-S.	Cu.	E
Mean	------	0.2	------	0.5	------	1.7	------	2	------	0.5	------	0.5	2.6	----------	----------		4.1	----------	----------	

TAGBILARAN.

[$\phi = 9°\ 38'$ N; $\lambda = 123°\ 51'$ E; barometer above sea, 23.2 meters; gravity correction not applied, −1.86 mm.]

APRIL, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.54	60.54	61.34	58.78	59.10	60.94	22	21.9	29.5	30.2	28	24.6	32.3	------	96	95	65	69	79	83	------
2	60.24	60.84	61.22	59.63	59.57	61.26	24.2	23.3	31	27.4	26.7	23.6	33.3	------	85	92	59	84	82	86	2.5
3	60.46	60.82	61.25	59.44	59.33	60.67	21.8	21.3	28.8	30.4	27.2	23.7	31.6	------	98	98	67	67	79	89	------
4	59.83	60.05	60.89	58.79	59.24	60.53	23	23.3	27.1	26.7	25.8	24	31.1	------	91	95	82	89	84	95	4.1
5	59.71	59.88	60.71	58.54	58.86	60.37	23.2	23.4	28.9	31.4	26.9	22.9	31.9	------	98	97	71	63	81	99	------
6	60.18	60.22	60.59	58.70	59.05	60.95	23	22.3	30.7	29.6	26.9	23.5	31.6	------	97	99	71	76	83	96	------
7	60.83	60.87	61.14	58.83	59.56	61.16	22.7	22.8	30.8	30.1	27	24.9	33.6	------	99	98	73	73	86	88	------
8	60.96	60.63	61.28	58.79	59.29	61.10	24	23.8	30.4	30.9	27.7	24.8	33.6	------	97	98	72	67	82	93	------
9	60.20	60.80	61.37	59.28	59.97	61.79	24.4	23.2	31.5	31.5	29.2	25.4	32.9	------	93	98	66	69	79	95	------
10	60.84	61.31	61.96	60.05	61.07	62.29	24.9	23.3	30.6	29	27.8	25.3	34.7	------	92	99	68	80	88	98	2.8
11	61.46	61.63	62.09	60.33	60.70	62.29	24.1	24.4	29	29.9	28	26	33.3	------	99	99	78	76	85	87	------
12	61.91	62.81	63.18	61.24	61.17	62.96	24.2	20.2	29.8	31.2	28.2	25.5	33	------	88	99	58	64	69	77	------
13	62.70	63.06	63.52	61.31	61.44	63.10	21.5	20.2	30.5	32	28.3	26.5	33.3	------	97	98	66	65	72	79	------
14	62.45	62.46	62.55	59.97	60.69	62	24	22.3	30.7	30.1	28.5	24.5	33.6	------	95	99	66	72	70	87	------
15	61.34	61.14	61.45	59.40	59.77	61.44	23.1	22	31	32.4	28.7	23.9	33.4	------	92	98	64	60	71	83	------
16	60.81	61.01	61.98	59.72	59.95	61.39	23.4	22.2	30.4	30.4	28.4	24.2	33.3	------	88	96	66	70	73	82	------
17	60.61	61.09	61.55	59.49	•59	61.03	22.9	22.2	30.4	32.4	28.4	25.5	33.9	------	92	96	70	60	72	74	------
18	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
19	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
20	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
21	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
22	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
23	59	59.21	59.20	57.06	58.06	60.03	25	24.5	31.4	31.7	30.5	26.5	34.8	------	95	90	70	66	58	73	------
24	58.73	58.81	59.48	57.74	58.50	59.59	24.6	24	30.8	31	28.2	27	34	------	87	91	64	71	84	77	------
25	58.21	58.91	59.36	57.36	58.15	59.50	25.6	23.6	30	31.5	29.5	26.1	35.1	------	84	89	73	66	72	77	------
26	58.46	59.33	59.41	58.09	58.63	60.11	25.3	23.5	31.8	28	26.8	26.5	34.8	------	81	96	65	79	87	88	15.8
27	59.24	59.63	60.71	58.08	58.75	60.22	25.7	24.9	25.3	30.3	27	24.7	31.7	------	94	99	99	77	88	99	32.3
28	59.48	59.47	60.63	57.89	58.27	59.90	24.3	24.4	30	30.9	28.5	26.4	32.8	------	97	97	80	71	87	94	------
29	59.19	59.22	59.68	57.04	57.82	58.53	25.3	25.4	29.8	33	28.5	26.2	33.7	------	98	97	75	63	80	94	------
30	57.97	58.05	58.88	56.42	56.73	57.83	24.9	23.5	31.1	31.8	29	25.5	32.9	------	94	98	69	65	74	98	------
Mean	60.21	60.47	61.02	58.88	59.31	60.84	23.9	23	30.1	30.6	28	25.1	33.2	------	93.1	96.4	70.3	70.5	78.6	87.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	[a]57.5

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	Calm	----	Calm	----	SE	2	S	2	E	1	Calm	----	5	Ci.-S.	Cu.	6	Ci.-S.	Cu.	E
2	Calm	----	Calm	----	SE	2	E	1	Calm	----	Calm	----	4	Ci.-S.	Cu. E	10	Ci.-S.	Fr.-N.	E
3	Calm	----	Calm	----	SE	2	S	2	Calm	----	Calm	----	1	Ci.	Cu.	5	Ci.-S.	Cu.	SE
4	Calm	----	Calm	----	SSE	3	Calm	----	Calm	----	Calm	----	9	A.-Cu. E	Cu.	6	Ci.-S.	Cu.	NE
5	Calm	----	Calm	----	Calm	----	NE	1	Calm	----	Calm	----	10	Ci.-S.	Cu. E	5	Ci.-S.	Cu.	E
6	Calm	----	Calm	----	NE	3	S	3	Calm	----	Calm	----	3	Ci.	Cu.	3	Ci.	Cu.	
7	Calm	----	Calm	----	SE	2	S	3	Calm	----	Calm	----	3	Ci.	Cu.	1	Ci.	Cu.	
8	Calm	----	Calm	----	SE	2	SE	2	Calm	----	Calm	----	7	Ci.-S.	Cu. E	3	Ci.	Cu.	E
9	Calm	----	Calm	----	SSE	2	S	3	Calm	----	Calm	----	4	Ci.	Cu.	3	Ci.	Cu.	SE
10	Calm	----	Calm	----	SE	1	S	3	E	1	Calm	----	1	Ci.	Cu.	6	Ci.-S	Cu.	SE
11	Calm	----	Calm	----	NE	1	Calm	----	Calm	----	E	1	6	A.-Cu.	Cu. SE	7	Ci.	Cu.	E
12	SE	2	S	1	E	3	SE	2	SE	1	SSE	2	1	Ci.	Cu.	5	Ci.	Cu.	E
13	ESE	1	E	1	SSE	1	NNE	1	Calm	----	Calm	----	1	Ci.	Cu.	1	Ci.	Cu.	NE
14	Calm	----	Calm	----	S	2	S	2	S	2	Calm	----	3	Ci.-S.	Cu.	7	Ci.	Cu.	SE
15	Calm	----	Calm	----	S	3	SSE	2	Calm	----	Calm	----	2	Ci.-S.	Cu.	2	Ci.	Cu.	E
16	Calm	----	Calm	----	SSE	2	NNE	3	Calm	----	Calm	----	1	Ci.	Cu.	3	Ci.	Cu.	NE
17	Calm	----	Calm	----	NE	2	SE	1	Calm	----	Calm	----	2	Ci.	Cu.	1	Ci.	Cu.	
18	------	----	------	----	------	----	------	----	------	----	------	----	------	------	------	------	------	------	------
19	------	----	------	----	------	----	------	----	------	----	------	----	------	------	------	------	------	------	------
20	------	----	------	----	------	----	------	----	------	----	------	----	------	------	------	------	------	------	------
21	------	----	------	----	------	----	------	----	------	----	------	----	------	------	------	------	------	------	------
22	------	----	------	----	------	----	------	----	------	----	------	----	------	------	------	------	------	------	------
23	Calm	----	Calm	----	SE	2	S	3	E	1	Calm	----	2	Ci.	Cu.	3	Ci.	Fr.-Cu.	SE
24	Calm	----	Calm	----	SSE	2	NNW	2	Calm	----	Calm	----	1	Ci.	Cu.	3	Ci.-S.	Cu.	
25	Calm	----	Calm	----	NNE	1	S	3	SE	1	NE	2	1	Ci.	Cu.	3	Ci.	Cu.	
26	Calm	----	Calm	----	SSE	1	S	3	Calm	----	Calm	----	2	Ci.-S.	Cu.	10	Ci.-S.	Fr.-N.	SE
27	Calm	----	S	1	Calm	----	S	1	SSE	1	Calm	----	10	----------	N.	10	Ci.-S.	Cu.	SE
28	Calm	----	Calm	----	SE	1	NE	1	Calm	----	Calm	----	2	Ci.-S.	Cu.	5	Ci.-S.	Cu.	
29	Calm	----	Calm	----	SE	2	NE	2	Calm	----	Calm	----	3	Ci.	Cu.	2	Ci.-S.	Cu.	
30	Calm	----	Calm	----	SSE	1	S	2	Calm	----	Calm	----	1	Ci.	Cu.	1	----------	Cu.	
Mean	------	0.1	------	0.1	------	1.7	------	1.9	------	0.3	------	0.2	3.4	----------	----------	4.4	----------	----------	

[a] 25 days of observation.

NOTE: This station was temporarily closed from April 18 to 22.

TAGBILARAN

[$\phi = 9°\ 38'$ N; $\lambda = 123°\ 51'$ E; barometer above sea, 26.2 meters; gravity correction not applied, —1.86 mm.]

MAY, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.50	58.30	58.94	58.78	56.93	58.75	23.8	23	30.8	29.8	27.6	25	32.7	------	93	98	70	75	83	96	------
2	58.01	58.40	59.22	57.22	57.87	59.99	23.5	23.6	31.6	32.4	28.4	26.9	33.7	------	97	98	69	64	86	85	------
3	59.60	60.30	60.49	58.67	59.55	60.90	25.8	26.2	31.7	32	28.9	25.3	33.7	------	90	85	70	66	74	83	------
4	59.84	60.63	61.35	58.79	58.88	60.34	22.9	23.4	30.7	29.7	27.3	24.3	33.4	------	92	89	69	75	84	96	------
5	59.82	60.28	60.34	58.22	58.53	59.46	22.5	22.4	30	30.4	27.4	24.6	32.9	------	97	96	71	72	84	97	------
6	59.21	59.27	59.78	57.43	57.89	59.40	23.4	24.5	30.8	28.5	27.3	24.7	32.7	------	97	89	71	81	84	94	------
7	59.01	59.62	59.87	57.88	58.34	59.50	23.2	22.7	31	30.4	27.9	26.6	32.7	------	95	94	67	69	82	87	------
8	59.01	59.73	60.33	57.82	58.15	59.59	23.1	23.7	30.3	30.2	27.5	25	31.9	------	96	92	68	66	75	85	------
9	58.75	59.32	59.58	57.46	58.10	59.44	23.4	22.8	30	28.7	27.3	25.4	31.8	------	88	91	70	67	76	84	------
10	58.97	59.73	60.28	58.28	58.94	60.39	22.9	22.4	30	31.3	27.9	25.3	33.9	------	92	89	60	53	71	77	------
11	59.89	60.38	60.42	58.33	58.60	60	22.3	24.4	30.6	32.6	28.2	25.5	34.1	------	97	91	63	61	70	78	------
12	59.65	60.11	59.83	58.05	57.94	59.50	23.5	22.6	31.2	31.4	28.7	25.1	33.7	------	87	90	61	59	71	85	------
13	58.58	58.96	59.23	56.90	57.62	59.39	23.7	23.9	31.4	30.9	28.5	27.5	32.9	------	85	86	60	68	73	83	------
14	58.39	58.90	59.27	57.48	58.39	59.64	25.9	25	31.7	31.5	28.4	26.6	34.3	------	88	86	58	65	83	84	------
15	58.75	59.15	59.66	57.57	58.10	59.65	25.2	24.4	32.6	31.9	28.5	26	34	------	82	87	61	62	74	84	------
16	58.77	58.95	59.61	57.57	57.38	59.44	25.3	24.7	32	31.7	28.3	27.4	33.3	------	86	88	60	66	80	87	------
17	58.22	58.82	59.49	57.05	58.19	59.74	25.2	24.8	32.6	28.8	28.5	27.7	35.2	------	92	92	66	58	80	84	------
18	58.65	58.91	59.45	57.65	58.11	59.13	24.7	25	32	33.2	29.3	26.8	34.3	------	86	86	63	59	75	87	------
19	58.46	58.70	58.89	57.77	57.12	58.45	25	23.9	31.5	31.8	29	25.7	34.8	------	95	93	64	65	74	80	------
20	58.01	58.09	58.23	55.98	56.85	58.30	24	25	31.6	31.4	29.2	26.1	34.1	------	90	84	63	63	68	83	------
21	57.92	59.03	59.15	57.16	58.32	59.24	25	24.5	31	31	28.5	27	33.5	------	83	84	61	67	67	79	------
22	58.47	59.15	59.25	56.97	57.68	59.05	24.9	25.1	32	30	28	25.6	33.3	------	84	86	62	73	76	87	------
23	58.46	59.17	59.25	56.89	57.78	59.60	24.1	24.8	31.1	30.7	28	27.4	34.3	------	89	85	65	70	85	91	------
24	58.45	58.76	58.52	56.78	57.81	58.95	25.2	24.7	31	28.4	27.8	26.4	32.8	------	90	91	69	68	79	84	------
25	58.15	58.25	58.18	55.47	56.62	57.45	24	24.4	31.6	30.5	28.2	26.1	32.7	------	90	89	61	70	80	88	------
26	57.66	58.26	58.40	56.16	57.42	58.45	25.5	24.7	31	31.5	28.2	26.2	34.4	------	81	84	69	68	85	85	------
27	58.04	58.02	58.59	56.42	57.90	59.40	25.4	25.1	29.1	30.6	28.2	26.4	33.6	------	90	92	78	67	80	90	1.5
28	58.29	58.78	59.15	57.44	57.77	59.94	25.3	24.9	31.6	31.4	29.4	26.8	33.7	------	89	90	68	66	71	83	------
29	59.14	59.54	59.94	57.63	57.47	59.58	26	26.4	31.4	31.8	28.6	27.1	33.7	------	84	83	66	66	80	83	------
30	58.85	59.36	59.89	57.34	58.08	58.90	26.9	26	31.8	31.7	28.6	26.3	33.2	------	83	87	67	66	83	82	------
31	58.59	58.89	59.43	57.78	58.17	59.40	27	25.8	32	27.4	28.5	25.2	33.8	------	86	91	66	69	70	83	------
Mean	58.68	59.15	59.48	57.39	57.95	59.39	24.5	24.3	31.2	30.8	28.3	26.1	33.5	------	89.5	89.2	65.7	66.6	77.5	85.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	1.5

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.				
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.		Amount.	Form and direction.			
														Upper.	Lower.		Upper.		Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*				
1	Calm	----	Calm	----	NNE	1	SSE	3	Calm	----	Calm	----	1	Ci.	Cu.	3	Ci.	Cu.	E	
2	Calm	----	Calm	----	SE	1	NNE	1	E	1	Calm	----	3	Ci.-S.	Cu.	3	Ci.-S.	Cu.		
3	Calm	----	NE	1	SSE	3	S	1	Calm	----	Calm	----	9	Ci.-S.	Cu. E	5	Ci.-S.	Cu.	SE	
4	Calm	----	Calm	----	S	1	S	3	S	2	Calm	----	1	Ci.	Cu.	5	Ci.-S.	Cu.		
5	Calm	----	Calm	----	S	2	S	3	S	2	Calm	----	3	Ci.-S.	Cu.	1	Ci.	Cu.		
6	Calm	----	Calm	----	SSE	2	S	2	S	1	Calm	----	3	Ci.-S.	Cu.	5	Ci.-S.	Cu.		
7	Calm	----	Calm	----	SE	2	S	3	SE	3	E	1	5	Ci.	Cu. SE	3	Ci.-S.	Cu.		
8	Calm	----	Calm	----	SE	2	SE	3	E	1	Calm	----	1	Ci.	Cu.	1	----------	Cu.		
9	Calm	----	Calm	----	S	3	S	3	S	3	Calm	----	1	Ci.	Cu.	9	Ci.-S.	Cu.	SE	
10	Calm	----	Calm	----	SE	2	SE	3	SE	2	Calm	----	1	Ci.	Cu.	1	----------	Fr.-Cu.	NE	
11	Calm	----	Calm	----	SSE	2	E	1	Calm	----	E	1	1	Ci.	Cu.	1	----------	Cu.	NE	
12	Calm	----	Calm	----	NNE	2	S	3	SE	1	Calm	----	1	Ci.	Cu.	1	----------	Cu.		
13	Calm	----	Calm	----	SE	2	S	3	SE	2	Calm	----	1	Ci.	Cu.	1	----------	Cu.		
14	Calm	----	E	1	S	2	S	3	SE	1	Calm	----	2	Ci.	Cu.	1	Ci.	Cu.	SE	
15	Calm	----	Calm	----	NNE	2	SE	2	E	2	Calm	----	2	Ci.	Cu.	1	Ci.	Cu.		
16	Calm	----	Calm	----	SE	2	S	3	E	1	SSE	1	2	Ci.	Cu.	3	Ci.	Cu.		
17	S	3	Calm	----	ESE	2	SE	1	E	1	S	1	1	Ci.	Cu.	7	Ci.-S.	Cu.	E	
18	Calm	----	E	1	S	2	Calm	----	Calm	----	Calm	----	5	Ci.	Cu.	3	Ci.	Cu.	E	
19	E	1	Calm	----	SSE	3	S	3	E	1	Calm	----	6	Ci. NE	Cu.	1	Ci.	Fr.-Cu.	SE	
20	Calm	----	Calm	----	NE	2	SE	2	Calm	----	Calm	----	5	Ci.	Cu.	1	Ci.	Cu.		
21	Calm	----	Calm	----	NE	2	S	3	Calm	----	Calm	----	9	Ci.-S.	Cu.	2	Ci.	Cu.		
22	Calm	----	E	1	NE	2	S	3	E	2	Calm	----	2	Ci.-Cu.	Cu.	5	Ci.-S.	Cu.	SE	
23	SE	1	Calm	----	S	2	S	3	E	2	SE	2	7	Ci.-S.	Cu.	7	Ci.-S.	Cu.		
24	Calm	----	Calm	----	SSE	3	SE	3	SE	3	Calm	----	3	Ci.	Cu.	9	Ci.-S.	N.	E	
25	Calm	----	Calm	----	SSE	2	S	3	SSE	2	Calm	----	5	Ci.	Cu.	5	Ci.-S.	Cu.		
26	Calm	----	Calm	----	SE	3	S	3	NE	1	Calm	----	2	Ci.-S.	Cu.	3	Ci.-S.	Cu.-N.	SE	
27	Calm	----	Calm	----	Calm	----	S	2	Calm	----	Calm	----	10	A.-Cu.	Cu. SE	9	Ci.-S.	Cu.-N.	ENE	
28	Calm	----	Calm	----	SE	2	ESE	2	Calm	----	Calm	----	1	Ci.	Cu.	7	Ci.-S.	Cu.	E	
29	Calm	----	E	1	SSE	2	S	3	E	2	Calm	----	6	Ci.	Cu. E	1	Ci.	Cu.	SSE	
30	Calm	----	Calm	----	S	3	S	3	SSE	2	SE	2	6	Ci.	Cu. SSE	1	Ci.	Cu.		
31	Calm	----	Calm	----	SE	1	Calm	----	SE	2	NNE	1	1	Ci.	Cu.	9	Ci.-S.	Fr.-N.	SE	
Mean	------	0.2	------	0.2	------	2	------	2.4	------	1.3	------	0.3	3.4	----------	----------	3.7	----------	----------		

TAGBILARAN.

[$\phi = 9°\ 38'$ N; $\lambda = 123°\ 51'$ E; barometer above sea, 26.2 meters; gravity correction not applied, −1.86 mm.]

JUNE, 1912.

Day.	Atmospheric pressure, 700.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C,*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.63	58.80	59.05	57.23	57.18	59.03	24.8	25.1	30.4	33.5	29.8	26	34.3	------	92	91	68	62	73	85	------
2	58.80	59.59	59.68	58.12	57.77	59.70	24.9	25	31.2	31.9	30.1	27	34.6	------	86	88	71	67	72	80	------
3	58.92	59.19	59.54	57.71	57.69	58.93	25	24.9	32.4	31.5	29.8	27.2	33.9	------	92	91	57	57	70	79	------
4	58.12	58.35	58.64	56.71	57	58.39	25.2	25	31.7	31.8	29	28.3	33.2	------	93	93	66	64	74	81	------
5	58.20	58.69	58.71	56.66	57.25	58.58	25.9	26	31.4	31.8	29	27	33.8	------	88	89	66	68	80	80	------
6	58.32	58.72	58.83	56.57	57.04	58.70	26	25.6	30.7	29.6	28.4	26.2	34.3	------	92	93	71	74	80	90	------
7	58.37	58.45	59.05	57.08	57.45	58.71	25.6	25	30	30.6	28.3	26.5	32.9	------	90	92	73	73	82	85	------
8	58.38	58.59	58.90	57.43	57.54	59.49	24.8	25.6	31.8	25	27.7	25.5	34.1	------	93	98	65	85	82	93	2.3
9	58.80	58.99	58.73	56.73	57.43	59.20	24.6	25.5	32	31.4	29	27.8	35.6	------	95	96	63	64	75	84	------
10	59.22	59.71	59.95	56.55	57.63	58.98	24.8	24.9	29.9	32.9	29	28.4	34.6	------	97	98	76	61	80	82	23.6
11	59.38	58.83	59.64	58.02	58.93	60.55	24.9	24.1	29.8	30.4	28.1	26.6	32.7	------	92	97	67	64	79	92	2.5
12	59.09	59.21	60.04	57.81	58.59	59.03	25.9	26.5	30	30.9	28.6	27.4	32.9	------	93	94	71	65	76	78	4.1
13	58.97	59.78	60.14	57.76	58.53	60.59	25.2	25.1	31.1	31.9	28.4	27.1	33.3	------	99	99	68	61	80	89	------
14	59.48	59.41	59.98	57.33	57.87	59.70	26.9	25.4	31	33	28.2	26.5	34.4	------	86	95	67	52	80	90	------
15	58.96	58.87	59.13	56.83	56.80	58.59	24.8	25.9	30.5	31.3	28.9	26.8	33.3	------	93	92	70	69	76	83	------
16	57.60	57.87	58.28	55.73	56.68	58.07	25.7	25.5	31.7	33.6	29.4	28.5	34.8	------	91	91	62	57	70	73	------
17	57.27	57.38	58.03	56.43	57.44	57.65	24.7	24.2	31.3	31.2	28.2	26.8	32.8	------	94	97	63	67	82	87	------
18	57.61	58.60	58.57	56.58	56.97	58.45	25.7	26.2	32.1	31.7	29	28.2	33.3	------	88	88	65	64	74	79	------
19	58.02	58.49	58.30	55.96	56.72	58.43	26	25.9	32	34	29.9	28.5	35.4	------	90	86	67	54	74	77	------
20	58.14	58.48	58.17	56.27	56.94	58.37	26.2	27.1	31	31.2	29.5	28.4	32.4	------	90	89	69	69	72	70	3.8
21	57.99	58.11	58.40	56.58	57.24	58.38	25.7	26.3	31.1	31	28.8	27.3	33.9	------	94	93	67	70	81	87	------
22	57.95	58.74	58.69	56.76	57.70	59.08	27	25.1	31.8	32	29.4	27.3	33.7	------	86	94	66	63	74	92	------
23	58.62	58.71	59.02	56.78	56.86	58.48	24.9	25	32.3	32.1	29.5	27.3	34.2	------	99	98	63	63	70	80	------
24	57.87	58.06	58.16	56.52	57.02	58.74	25.7	25.4	32	28.6	29	25.6	33.3	------	91	92	64	71	74	84	------
25	57.91	58.42	58.39	56.26	57.03	59	24.4	25.1	31.1	32.4	29.2	26.1	33.8	------	88	89	63	57	68	79	5.3
26	58.88	58.68	58.92	56.78	57.87	59.63	24.8	25.2	30.4	32	28.5	27.9	33.8	------	92	95	67	58	73	81	5.1
27	58.91	59.10	58.68	57.06	57.62	58.89	26.7	26.8	31.6	30.1	28.4	28.3	33.7	------	80	81	60	67	77	78	------
28	58.05	58.62	58.54	56.78	57.28	58.58	25.4	25.2	30.4	30.8	28.6	26.9	34.5	------	95	92	68	65	83	86	------
29	57.96	58.04	59.19	57	57.54	59.07	26	24.6	28	30.3	28	26.1	32.7	------	90	96	81	68	76	85	------
30	58.63	58.66	59.45	58.67	57.37	58.88	24.9	25.5	28.3	32.1	28.5	25.7	33.3	------	92	92	77	63	78	90	------
Mean	58.44	58.70	58.96	56.96	57.43	58.93	25.4	25.4	31	31.4	28.9	27.1	33.8	------	91.4	92.6	67.4	64.7	76.2	83.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	46.7

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.				2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.			Amount.	Form and direction.		
														Upper.	Lower.			Upper.	Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*				*0–10*			
1	Calm	----	Calm	----	SE	1	E	1	Calm	----	Calm	----	1	Ci.	Cu.		5	Ci.-S.	Cu.	NE
2	Calm	----	Calm	----	E	2	NE	2	Calm	----	Calm	----	1	Ci.	Cu.		3	Ci.	Cu.	E
3	Calm	----	Calm	----	S	2	ESE	1	Calm	----	Calm	----	1	Ci.	NNE Cu.		6	Ci.-S.	Cu.	
4	Calm	----	Calm	----	NE	2	S	3	E	1	SE	1	1	Ci.	Cu.		1	Ci.	Cu.	
5	Calm	----	Calm	----	SE	2	E	1	S	1	Calm	----	6	Ci.	Cu.-N.	E	1	Ci.	Cu.	
6	Calm	----	Calm	----	NNE	1	E	2	Calm	----	Calm	----	5	Ci.	ENE Cu.		7	Ci.-S.	Cu.-N.	NE
7	Calm	----	NNE	1	S	2	SSE	3	E	1	Calm	----	5	Ci.-S.	Cu.		8	Ci.-S.	Cu.-N.	SE
8	Calm	----	Calm	----	W	1	SE	1	Calm	----	Calm	----	5	Ci.	Cu.		10	Ci.-S.	Cu.	E
9	Calm	----	Calm	----	NE	1	SSE	3	Calm	----	Calm	----	5	A.-Cu.	SSE Cu.		3	Ci.-S.	Cu.	SE
10	Calm	----	Calm	----	E	1	NNE	1	SE	2	SE	3	10	Ci.-S.	Cu.		2	Ci.	Cu.	
11	ESE	2	NNE	1	ESE	2	E	1	E	1	S	3	10	Ci.-S.	Fr.-N.	N	7	Ci.-S.	Cu.	
12	Calm	----	Calm	----	S	2	SSE	2	Calm	----	Calm	----	5	Ci.	Cu.		5	Ci.	Cu.	
13	Calm	----	Calm	----	S	2	SE	3	Calm	----	S	2	6	Ci.	Fr.-Cu.	S	3	Ci.	Cu.	S
14	SSE	2	Calm	----	S	3	S	1	Calm	----	Calm	----	3	Ci.	SE Fr.-Cu.		1	Ci.	Cu.	
15	Calm	----	SE	1	S	2	S	3	SE	1	Calm	----	4	Ci.-S.	Cu.		1	----------	Cu.	
16	Calm	----	Calm	----	SE	3	S	2	Calm	----	NE	3	3	Ci.	Cu.	E	1	Ci.	Cu.	
17	Calm	----	Calm	----	S	2	S	2	Calm	----	Calm	----	3	Ci.	Cu.		9	Ci.-S.	Cu.	
18	Calm	----	Calm	----	S	3	SSE	3	S	1	Calm	----	10	Ci.-S.	Cu.	S	1	Ci.	Cu.	
19	Calm	----	Calm	----	Calm	----	SE	2	S	1	Calm	----	3	Ci.	Cu.		2	Ci.	Cu.	
20	Calm	----	Calm	----	W	1	S	3	Calm	----	Calm	----	10	Ci.-S.	N.	SW	2	Ci.	Cu.	SSW
21	Calm	----	Calm	----	S	2	S	2	Calm	----	Calm	----	7	Ci.-S.	Cu.		1	Ci.	Cu.	
22	Calm	----	E	1	S	2	SSE	2	E	1	Calm	----	5	Ci.	Cu.		6	Ci.-S.	Cu.	
23	Calm	----	Calm	----	NNE	2	SE	3	E	1	Calm	----	5	Ci.-S.	Cu.		1	Ci.	Cu.	
24	Calm	----	NE	1	S	3	SE	1	Calm	----	Calm	----	1	Ci.	Fr.-Cu.	E	9	Ci.-S.	Cu.-N.	E
25	Calm	----	NE	1	S	2	E	2	E	1	SE	4	9	Ci.-S.	Cu.-N.		1	Ci.	Cu.	
26	SSE	2	Calm	----	S	2	SSE	2	SE	1	Calm	----	1	Ci.	Cu.		1	Ci.	Cu.	
27	SSW	2	Calm	----	SSW	1	S	3	E	1	Calm	----	9	Ci.-S.	Cu.		7	Ci.-S.	Cu.	
28	Calm	----	SE	1	SE	1	S	2	E	2	Calm	----	7	Ci.	Cu.	E	3	Ci.-S.	Cu.	
29	Calm	----	Calm	----	SSE	3	S	2	SE	1	Calm	----	3	Ci.	Cu.	SE	6	Ci.-S.	Cu.	
30	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	7	Ci.-S.	Cu.	SE	3	Ci.	Cu.	
Mean	------	0.3	------	0.2	------	1.8	------	2	------	0.6	------	0.5	5	----------	----------		3.9	----------	----------	

TAGBILARAN.

[$\phi = 9°\ 38'$ N; $\lambda = 123°\ 51'$ E; barometer above sea, 26.2 meters; gravity correction not applied, —1.86 mm.]

JULY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.32	58.80	58.68	56.69	57.33	58.71	24.8	24.2	30.3	29	28.6	26.4	33.2	------	95	95	74	79	82	93	58.3
2	58.26	58.35	58.66	57.34	57.67	58.76	24.8	24.5	29.4	28.8	25.1	27	30.6	------	98	99	81	80	99	94	71.6
3	58.50	58.61	59.10	57.78	59.03	60.40	25.6	24.7	29.6	28.4	24.1	24.4	31.3	------	97	98	79	89	99	95	65.5
4	59.85	59.94	60.01	58.61	59.05	60.11	24.5	24.1	30	28.9	27.4	25	31.3	------	96	97	74	80	87	96	6.9
5	59.98	60.10	59.11	57.50	58.16	59	24.4	24.3	30	28.9	27.9	25.2	32.8	------	99	99	80	81	84	95	19.8
6	58.76	58.47	58.49	56.62	57.27	58.48	23.8	23.7	29.4	25.8	26.2	25	31.1	------	98	99	81	98	93	98	1.5
7	58.03	57.82	57.98	56.50	56.50	58.10	23.8	23.9	28.7	28.4	26.2	24.6	32	------	98	99	79	85	92	95	13
8	57.33	57.43	57.79	55.38	57.05	57.74	24.2	23.4	30.1	30.9	27.7	25.6	31.4	------	95	97	73	71	85	93	67.6
9	57.21	57.28	57.98	56.19	57.25	58.90	23.4	23.6	28.8	28.9	27.1	26.1	30.9	------	97	98	80	80	93	99	7.6
10	57.22	57.91	58.68	56.84	58.17	59.63	25.1	24.4	30.9	29.9	26	24.6	32.3	------	98	98	73	78	89	99	------
11	58.22	58.72	58.64	56.84	57.49	59.02	24	24.8	30.1	32	28.6	25.6	33.1	------	98	97	72	70	81	98	------
12	58.02	57.80	58.37	56.15	56.40	58.30	25	26	29.7	31.5	28.9	26.7	33	------	92	97	81	73	82	96	------
13	56.94	57.62	57.67	56.30	56.04	58.03	26.1	25.8	31.6	29.4	28.6	27	32.8	------	98	97	75	86	90	95	------
14	57.42	57.49	58.28	56.18	56.98	60.24	25.8	26.1	30.1	31.4	28.9	23.4	32.8	------	95	99	87	79	88	97	85.1
15	58.39	58.48	58.78	56.34	57.48	58.20	23.2	22.9	29.5	30.7	28.5	25.5	31.7	------	98	97	79	74	87	98	------
16	58	58.13	58.56	56.63	57.35	58.80	25.3	24.2	31.1	28.8	28.3	24.2	32.4	------	96	98	77	83	88	97	10.9
17	57.67	57.77	58.18	56.53	56.87	57.95	24	23.6	26	28.3	25.6	25.4	31.2	------	97	97	98	91	98	98	44.2
18	57.31	57.40	57.45	56.05	56.25	57.41	25.2	24.5	29.4	29.4	27.2	24.2	31.2	------	98	96	80	78	85	98	9.6
19	57.43	56.87	56.96	55.30	56.50	57.72	24.6	25.1	27.8	29.9	26.3	25.4	30.9	------	95	94	89	75	96	98	8.4
20	57.58	57.77	58.09	56.55	57.29	58.60	24.4	24.9	28.3	30.9	27.3	25.7	32.3	------	97	99	81	71	82	98	5.3
21	58.28	58.18	57.96	56.40	57.61	59.15	23.8	25	29.5	30	28.3	27.3	31.6	------	95	98	84	77	87	96	7.1
22	57.99	58.11	58.19	57.09	57.50	58.60	23	23.3	29	28.3	27.5	26.3	29.8	------	95	97	81	88	94	98	------
23	57.21	57.65	57.65	55.98	56.98	58.35	26.3	26.4	30.3	31.3	28.9	23.5	32.6	------	96	97	78	70	79	96	4.6
24	57.86	57.72	57.89	56.79	57.64	59.30	22.8	23.5	30.6	30.5	26.8	24	32.4	------	95	97	73	77	91	97	4.9
25	58.15	58.94	58.58	56.82	57.50	58.93	25.7	25.4	30.3	30.2	27.3	25.8	32.2	------	93	92	72	78	88	95	------
26	57.61	57.22	58.48	56.46	57.04	58.50	24.1	24.4	30.8	25.4	24.2	23.6	32.8	------	96	97	74	97	97	95	48
27	56.26	56.33	56.66	54.77	55.43	56.84	23.3	23.5	29.5	28.4	25.4	25.7	31.6	------	94	96	81	85	97	98	26.9
28	56.23	56.36	57.08	55.61	57.06	58.15	24.5	23.9	28	28.9	27	26	30.7	------	94	92	86	84	90	94	------
29	57.33	57.92	58.36	57.07	57.79	59.25	25.4	24.6	30	30.3	28.3	26.5	32.7	------	93	95	77	72	81	94	------
30	58.45	58.35	58.83	56.93	58.25	59.30	25.2	26	29.7	30.7	28.6	26.2	32.2	------	93	95	75	76	75	90	------
31	58.70	57.52	58.28	56.85	57.84	58.77	25.3	25.5	30.6	30.8	26	23.4	32.3	------	90	91	72	75	87	97	3.1
Mean	57.89	57.97	58.24	56.55	57.32	58.69	24.6	24.5	29.6	29.5	27.2	25.3	31.9	------	95.8	96.7	78.9	80	88.6	96.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	564.9

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			6 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	Calm	----	Calm	----	SE	3	SE	2	Calm	----	Calm	----	10	Ci.-S.	Fr.-N. S	10	Ci.-S.	Cu.-N.
2	SSW	2	Calm	----	Calm	----	SE	1	E	1	W	1	10	Ci.-S.	Cu.	10	Ci.-S.	N.
3	SW	1	Calm	----	SW	2	SSW	1	S	1	S	1	9	Ci.-S.	Cu. E	10	Ci.-S.	Fr.-N. S
4	SE	1	SSE	1	SE	2	S	1	Calm	----	Calm	----	10	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N. SE
5	Calm	----	Calm	----	SSE	1	NE	1	Calm	----	Calm	----	10	Ci.-S.	N.	8	Ci.-S.	Cu.
6	SE	2	Calm	----	NNE	2	S	1	Calm	----	Calm	----	10	Ci.-S.	Cu.	9	Ci.-S.	Fr.-N. SE
7	SSE	1	S	1	SE	2	Calm	----	SSE	1	S	1	1	Ci.	Cu.	6	Ci.-S.	Cu.
8	SSW	2	Calm	----	SE	1	SE	2	Calm	----	E	1	6	Ci.-S.	Cu.	5	Ci.-S.	Cu.
9	S	3	Calm	----	S	1	SE	3	Calm	----	SSE	1	10	Ci.-S.	Cu.	6	Ci.-S.	Cu.
10	SSW	2	Calm	----	SW	2	S	2	Calm	----	Calm	----	6	Ci.-S.	Fr.-Cu. S	6	Ci.-S.	Cu.
11	Calm	----	Calm	----	SE	2	NNW	2	S	1	Calm	----	1	Ci.	Cu.	2	Ci.	Cu. N
12	Calm	----	Calm	----	SE	2	S	2	Calm	----	Calm	----	2	Ci.	Cu.	3	Ci.-S.	Cu. SE
13	Calm	----	Calm	----	S	3	S	1	SE	1	Calm	----	6	Ci.-S.	Cu. NNE	7	Ci.-S.	Cu.-N. SE
14	Calm	----	Calm	----	NE	2	Calm	----	Calm	----	S	5	2	Ci.	Cu.	4	Ci.-S.	Cu. S
15	SSW	2	Calm	----	Calm	----	S	1	Calm	----	SE	1	10	Ci.-S.	Cu.	6	Ci.-S.	Cu.
16	Calm	----	Calm	----	S	2	Calm	----	Calm	----	SSW	2	6	Ci.-S.	Cu.	7	Ci.-S.	Cu.
17	S	2	NNE	1	SSE	2	SSW	2	Calm	----	Calm	----	10	Ci.-S.	Cu. NE	10	Ci.-S.	Fr.-N. S
18	SW	1	S	2	W	3	W	3	WSW	2	Calm	----	10	----------	N. SSW	10	Ci.-S.	Fr.-N. SSW
19	SSW	2	SSW	2	SSW	2	SW	1	SSW	2	Calm	----	10	Ci.-S.	Fr.-N. S	9	Ci.-S.	Cu.
20	SSW	2	SSW	3	SSW	3	SW	2	Calm	----	Calm	----	10	----------	N. SW	5	Ci.-S.	Cu.
21	Calm	----	Calm	----	SW	3	SSW	3	SSW	2	Calm	----	10	Ci.-S.	Cu. E	10	Ci.-S.	Cu.
22	WSW	3	S	1	S	1	SSW	2	Calm	----	Calm	----	10	Ci.-S.	Fr.-N. SSW	10	Ci.-S.	Cu.
23	Calm	----	Calm	----	S	2	SSE	3	Calm	----	Calm	----	10	Ci.-S.	Cu. NE	1	Ci.	Cu.
24	Calm	----	Calm	----	S	2	S	2	SSE	1	Calm	----	8	A.-Cu. E	Cu.	5	Ci.-S.	Cu.
25	Calm	----	Calm	----	S	2	SE	3	E	1	Calm	----	10	Ci.-S.	Cu. N	9	Ci.-S.	Cu.
26	Calm	----	Calm	----	S	1	SSE	3	NE	1	Calm	----	3	Ci. ENE	Cu.	10	Ci.	N. SE
27	Calm	----	E	1	Calm	----	SE	1	Calm	----	Calm	----	7	Ci.	Cu. NE	10	Ci.-S.	Cu.
28	Calm	----	Calm	----	SSW	3	SW	4	S	1	Calm	----	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. S
29	SSW	2	Calm	----	SW	3	S	4	W	2	SW	1	9	Ci.-S.	Cu.	7	Ci.-S.	Cu.
30	Calm	----	Calm	----	S	1	S	3	SSW	2	Calm	----	7	Ci.-S.	Cu. SE	1	Ci.	Cu.
31	Calm	----	Calm	----	S	2	S	3	E	2	SSE	1	5	A.-Cu.	Cu.	5	Ci.	Cu.
Mean	------	0.9	------	0.4	------	1.8	------	1.9	------	0.7	------	0.5	7.7	----------	----------	7.1	----------	----------

TAGBILARAN.

[$\phi = 9°\ 38'$ N; $\lambda = 123°\ 51'$ E; barometer above sea, 26.2 meters; gravity correction not applied, −1.86 mm.]

AUGUST, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.83	57.61	57.85	56.55	57.51	58.41	25.4	25.6	29.6	29.9	28	26.8	31.1	------	88	92	76	74	86	94	------
2	57.81	57.59	58.20	57.24	58.47	59.73	26	25	30	33	28.5	27.3	34.9	------	95	98	76	64	80	95	------
3	58.39	59.01	59.84	57.92	58.78	60.20	26	25	28.5	28.8	26.6	25.8	30.7	------	91	96	80	82	92	84	------
4	59.35	59.27	59.75	57.18	57.78	59.02	25.2	25	28.4	29	26.7	25.3	32	------	95	93	73	69	81	88	------
5	57.88	57.77	58.45	56.52	57.56	59.14	25.8	24.2	29.3	30.3	27.5	25.5	32	------	88	93	66	66	78	88	------
6	57.93	58.73	59.50	57.37	58.44	60.16	24.3	23.5	29	30.5	28.4	25	32.5	------	89	92	68	66	74	93	------
7	59.07	59.86	59.80	57.48	58.80	59.80	24.3	24	29	31	27	24.3	33.7	------	97	97	67	61	77	94	------
8	58.92	59.02	59.15	57.06	57.56	58.89	24.5	25.3	28	27.7	26.8	25.2	30.7	------	92	93	80	82	84	90	27.7
9	58.13	58.20	58.26	56.64	57.11	58.54	22.5	24	28.7	29.3	28	25	31.6	------	96	98	75	70	79	92	------
10	57.99	58.40	59.05	57.09	57.58	59.60	24.5	24	30	30.9	28	26.8	32.3	------	94	93	71	66	76	83	------
11	58 69	58.16	58.59	56.95	57.17	59.31	25.6	25.4	30.4	31.5	27.9	26.5	33.2	------	93	93	66	63	73	82	------
12	58.15	57.92	58.71	56.39	56.63	57.93	25	26	29.2	31.9	28	27.3	32.6	------	88	84	68	59	76	75	------
13	57.19	56.88	57.74	55.98	56.94	58.70	26.8	26.9	30	32	28.9	27.9	32.7	------	80	80	64	50	67	79	------
14	57.24	57.86	57.90	56.67	57.55	58.88	27.2	27	31.7	32.5	28.9	25.9	33.7	------	78	77	59	52	71	83	------
15	58.08	58.46	58.77	56.86	57.09	58.40	26.7	26	30.9	32.5	28.5	26.5	33.7	------	85	89	67	59	78	83	------
16	58.39	58.31	58.89	56.24	57.46	59.02	24.6	24	30.2	31.9	27.3	24	33.7	------	95	93	66	61	88	90	57.4
17	57.81	57.89	58.18	55.88	56.83	59.06	23.9	24.9	29.8	31	28.4	23.3	32.6	------	92	91	69	64	77	89	53.1
18	57.54	57.74	58.43	56.19	57.08	58.19	23.2	23.6	29.3	29.9	27.5	26.4	30.9	------	97	97	72	69	84	86	------
19	56.97	57.35	58.40	56.09	57.03	58.63	24.6	23.6	29.6	31.6	28.2	26.4	32.5	------	95	97	69	63	71	81	------
20	58.03	58.04	58.03	55.98	57.55	53.79	26.1	25.2	30.5	31.7	27	24.9	33.2	------	83	88	62	59	87	92	35.8
21	57.92	58.29	59.49	57.28	58.01	59.12	24.6	26.1	28.5	28.6	26.9	26	29.4	------	79	88	79	73	79	81	------
22	58.32	58.41	59.18	56.98	57.98	59.60	25.9	26	28.9	29.7	27.6	24.8	31.4	------	80	81	74	69	79	90	43.8
23	58.66	58.56	58.67	55.99	56.68	58.51	22.8	24.4	27.7	29	27	23.5	30.2	------	93	89	76	69	81	78	31
24	58.14	58.42	59.05	57.02	57.74	58.76	25.9	24.4	29.4	30.6	27.4	26.6	32.2	------	91	91	70	65	78	80	------
25	58.31	58.40	58.37	56.30	57.27	58.75	26.1	26.2	30.3	30.5	28.5	26.5	32.3	------	86	87	66	70	72	81	------
26	57.30	57.20	57.33	55.29	55.78	57.53	26.1	26.5	30.5	30.4	28	27.8	31.8	------	80	81	65	68	79	79	2
27	56.51	56.14	56.53	54.28	55.10	57.08	26.1	26.7	29.4	30.4	28.5	27.5	31.4	------	79	77	71	65	67	84	------
28	55.91	55.81	56.45	54.79	55.69	57.68	27	26.8	29.9	31.4	29	27.8	32.6	------	80	78	64	54	69	81	------
29	57.19	57.33	57.55	55.92	56.88	58.90	26.7	26.8	30.8	30	28.2	26.4	31.9	------	80	82	67	62	78	85	------
30	58.16	57.97	57.99	56.16	56.73	57.99	26	25.9	31.4	31.1	28.5	27	32.9	------	90	90	62	65	74	78	------
31	56.68	56.79	56.29	54.48	55.05	55.89	26.7	26.6	30.7	29.7	28	27.8	33.3	------	86	86	67	70	79	73	------
Mean	57.89	57.98	58.40	56.41	57.22	58.72	25.4	25.3	29.7	30.6	27.9	26.2	32.2	------	88.2	89.2	69.5	65.5	77.9	84.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	250.8

Day.	Wind.										Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	SSE	2	S	2	S	3	SSW	1	S	3	SW	2	5	A.-Cu.	Cu.	10	Ci.-S.	Cu.
2	Calm	----	Calm	----	W	3	Calm	----	SW	1	Calm	----	10	Ci.-S.	Cu.	3	Ci.	Cu. NW
3	Calm	----	Calm	----	SSW	2	W	3	Calm	----	Calm	----	10	Ci.-S.	Cu.	10	Ci.-S.	Fr.-Cu. SW
4	Calm	----	Calm	---	SW	2	SSW	2	Calm	----	Calm	----	10	Ci.-S.	Cu. S	8	Ci.-S.	Cu.
5	Calm	----	Calm	----	W	3	S	3	S	1	Calm	----	2	A.-Cu.	Cu.	3	Ci.	Cu.
6	Calm	----	Calm	----	SW	1	S	3	Calm	----	Calm	----	1	Ci.	Cu.	2	Ci.	Fr.-Cu. W
7	Calm	----	Calm	----	S	1	S	1	SSE	2	Calm	----	10	Ci.-S.	Cu.	2	Ci.	Cu. E
8	E	1	SE	1	S	2	S	2	Calm	----	Calm	----	7	Ci.-S.	Cu. E	10	Ci.-S.	Fr.-N. SSW
9	Calm	----	SSE	1	S	2	W	3	Calm	----	Calm	----	9	Ci.-S.	Cu.	9	Ci.-S.	Cu.
10	Calm	----	Calm	----	S	3	S	3	S	2	Calm	----	10	Ci.-S.	Cu. SW	1	Ci.	Cu.
11	Calm	----	S	1	SSW	3	SW	3	W	2	SW	1	2	Ci.	Cu. SSW	2	Ci.	Fr.-Cu. W
12	SSW	2	S	3	W	3	SW	3	W	2	WSW	1	7	Ci.-S.	Cu. SSW	3	Ci.	Cu. WSW
13	W	1	W	2	W	4	W	5	SW	3	W	2	7	Ci.	Cu. SW	2	Ci.	Cu.
14	Calm	----	SW	2	SW	3	W	4	Calm	----	Calm	----	5	Ci.	Cu. W	5	Ci.-S.	Cu. SW
15	Calm	----	Calm	----	SW	2	S	2	Calm	----	Calm	----	5	Ci.	Fr.-Cu. S	2	Ci.	Cu.
16	Calm	----	Calm	----	S	3	S	1	Calm	----	Calm	----	1	Ci.	Cu.	1	Ci.	Cu. SSW
17	Calm	----	S	1	S	2	S	3	Calm	----	Calm	----	2	Ci. SE	Cu.	2	Ci.	Cu.
18	Calm	----	SSE	1	S	2	SE	2	Calm	----	Calm	----	10	Ci.-S.	Cu. S	7	Ci.-S.	Cu.
19	Calm	----	Calm	----	SSW	2	W	3	Calm	----	Calm	----	2	Ci.	Cu.	2	Ci.	Cu.
20	Calm	----	Calm	----	SSW	2	S	3	Calm	----	Calm	----	4	A.-Cu.	Cu.	2	Ci.	Cu. SSW
21	Calm	----	S	1	SW	3	Calm	----	Calm	----	S	1	10	Ci.-S.	Cu. SSW	10	Ci.-S.	Cu.
22	Calm	----	S	2	S	4	W	4	SW	3	S	2	6	Ci.-S.	Cu. E	7	Ci.-S.	Cu. WSW
23	S	2	S	1	S	2	S	3	Calm	----	Calm	----	10	Ci.-S.	Cu. SW	10	Ci.-S.	Cu.
24	Calm	----	Calm	----	SSW	2	S	2	S	2	Calm	----	10	Ci.-S.	Cu.	6	Ci.-S.	Cu.
25	Calm	----	SSW	2	S	1	S	4	SSW	3	Calm	----	10	Ci.-S.	Cu.	3	Ci.-S.	Cu.
26	S	1	S	2	S	4	SSW	4	SW	3	SW	2	6	Ci.-S.	Cu.	5	Ci.	Cu. SW
27	S	2	S	3	S	4	S	4	SSW	4	SSW	3	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
28	S	3	S	3	S	3	SW	4	SW	3	S	3	10	Ci.-S.	Cu.	5	Ci.-S.	Cu.
29	S	2	S	3	SW	4	SSW	3	S	2	S	1	2	Ci.	Fr.-Cu. WSW	7	Ci.-S.	Cu.
30	S	2	Calm	----	S	3	S	2	S	3	Calm	----	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
31	Calm	----	S	1	S	2	SW	3	Calm	----	Calm	----	9	A.-Cu. W	Cu.	10	Ci.-S.	Cu. W
Mean	------	0.6	------	1	------	2.6	------	2.7	------	1.3	------	0.6	6.8	----------	----------	5.5	----------	----------

TAGBILARAN.

[$\phi = 9° 38'$ N; $\lambda = 123° 51'$ E; barometer above sea, 26.2 meters; gravity correction not applied, —1.86 mm.]

SEPTEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	55.19	55.26	56.23	54.43	55.09	56.54	27	26.8	30.5	30.4	28.2	27.6	33.4	26.6	84	84	66	64	73	76	------
2	56.30	57.11	56.78	55.49	56.60	58.42	26.5	26.4	29.4	30.8	28.4	25.4	33.6	24.4	82	76	70	62	73	85	------
3	56.55	57.03	57.90	55.97	56.60	58.19	26.2	26.4	31.4	31	28.9	27.7	33.9	25.5	82	82	62	60	67	79	------
4	57.26	58.25	58.40	56.68	57	58.11	26.3	26.8	31.2	31.5	28.4	25.2	32.8	24	86	84	68	60	75	85	------
5	56.81	57.51	58.35	57.07	57.80	58.87	26	26.4	31.4	28.6	26.6	25.3	33.9	24.7	90	90	68	78	78	88	0.5
6	57.71	57.80	58.89	56.96	57.96	59.36	25	24.3	28.6	27.2	23.8	23.5	29.4	23.2	92	96	83	84	95	99	74.7
7	58.13	57.44	57.79	55.31	56.07	57.01	23.3	23.2	24	25.1	25.3	24.8	26.9	22.9	97	97	91	89	84	88	12.5
8	56.52	57.80	58.56	56.84	57.58	59.50	23.5	25.3	28.3	30	27.3	26.3	30.8	22.8	96	91	77	70	79	85	------
9	58.65	59.06	59.48	57.52	58.33	60.25	25.8	24.9	30	31.5	28.4	26.4	32.8	24.6	88	92	65	63	76	79	------
10	58.60	58.50	58.75	57.02	57.43	58.64	24.3	25.5	31	32.5	28.5	26.5	33.7	23.4?	96	93	67	52	76	86	------
11	57.67	58.07	58.64	56.50	56.90	58.01	24.4	24	30.5	29.5	27.2	26.7	32.7	23.4	97	91	68	68	81	82	------
12	57.79	57.88	58.22	56.90	57.33	57.85	26.1	26.2	31	25.8	27	26.6	32.6	25	86	87	64	87	78	86	8.9
13	57.41	57.71	58.09	55.82	56.40	57.53	26.2	25.8	29.1	30.9	27.4	27.2	31.8	25.2	87	88	70	64	85	74	------
14	56.55	55.86	56.20	53.89	54.54	55.58	25.9	26.4	29.4	29.9	26.5	25.9	31.7	24.9	83	82	73	66	86	89	------
15	54.47	54.38	54.87	53.31	53.56	55.25	25.2	25.5	28	27.5	25.9	26	29.5	23.5	93	93	82	79	85	81	59.5
16	55.56	56.55	57.14	54.85	56.20	57.62	24.7	24.2	26.8	27	26.5	26.9	29.9	23.8	94	95	83	81	84	75	14.7
17	57.14	57.52	57.76	56.65	57.43	58.65	24.5	25.9	29.2	29.3	26.7	26.3	30.7	23	96	89	76	70	83	87	------
18	57.18	57.47	57.45	55.58	56.65	57.51	25.7	26.2	30	27.3	26.6	25.6	32.4	24.5	86	88	73	85	86	87	6.1
19	55.87	56.17	56.53	54.68	55.60	57.25	25.6	26.2	29.4	29	27.3	25.9	31.2	25.1	87	87	74	79	84	85	6.6
20	55.88	56.89	57.80	55.79	56.81	58.35	25.8	26	28.6	29	26	26	30.7	24.4	85	85	76	69	85	83	------
21	57.43	58.44	58.55	56.59	57.85	59.10	24.9	25.3	30.7	31	27.5	25.8	32.7	23.8	84	84	66	63	82	87	------
22	58.73	59.83	59.88	57.88	59.08	60.65	23.9	23.5	30.1	29.6	27	24.9	31.7	23.2	97	96	71	75	86	96	------
23	59.07	59.97	59.93	57.68	59.56	60.14	24	24.4	29.9	30.3	24.8	24	33.2	23.3	95	97	75	74	92	93	5.1
24	58.93	59.01	59.06	56.75	58.56	59.07	23.6	23.4	29.5	30.7	23.5	23.9	32.4	22.9	98	97	76	66	97	97	32.3
25	57.99	58.17	58.84	56.05	57.36	58.32	23.5	23.7	25.9	28.7	26.6	24.7	31.4	22.9	96	97	89	77	88	97	6.1
26	57.53	57.05	57.84	55.39	56.40	57.80	25	25.3	31	30.5	27.4	26.2	33.2	24.2	93	94	65	66	79	87	------
27	57.24	57.04	57.98	55.61	57.09	58.88	25.9	26.3	30.4	31.5	28	27.2	32.7	25	86	88	68	59	73	81	------
28	57.96	58.87	59.79	56.86	57.72	59.34	26.3	26.6	31	31.1	28	25.6	32.7	24.5	86	86	62	61	77	88	------
29	58.10	58.57	59.25	56.79	58.03	58.66	24.6	26	30.3	31.5	28	26.6	33.7	24	95	85	64	60	79	81	------
30	58.09	58.17	58.48	56.09	57.03	58.90	25.5	26	31.4	32.2	28.5	26.9	33.6	24	89	89	63	60	77	83	------
Mean	57.28	57.65	53.11	53.10	57.02	58.31	25.2	25.4	29.6	29.7	27	25.9	32.1	24.1	90.2	89.4	71.8	69.7	81.4	85.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	227

Day.	Wind.										Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	Calm	----	Calm	----	SW	3	SW	3	SW	2	Calm	----	10	Ci.-S.	Cu.	6	Ci.-S.	Cu.
2	Calm	----	Calm	----	S	3	S	3	S	1	Calm	----	10	Ci.-S.	Cu. SW	5	Ci.-S.	Cu. SE
3	Calm	----	S	2	S	3	S	3	S	1	S	1	5	Ci.-S.	Cu.	10	Ci.-S.	Cu.
4	Calm	----	Calm	----	SSE	3	S	3	Calm	----	Calm	----	4	A.-Cu. E	Cu.	1	Ci.	Cu.
5	Calm	----	S	1	SSE	1	SE	1	Calm	----	Calm	----	5	A.-Cu.	Cu.	10	Ci.-S.	Cu.-N.
6	Calm	----	Calm	----	Calm	----	S	2	Calm	----	Calm	----	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
7	Calm	----	Calm	----	NE	1	Calm	----	Calm	----	Calm	----	10	Ci.-S.	N.	10	----------	N.
8	Calm	----	S	2	S	2	S	3	Calm	----	Calm	----	3	Ci.	Cu. SW	3	Ci.	Fr.-Cu.SSW
9	Calm	----	Calm	----	SSW	2	S	3	S	2	Calm	----	3	Ci. SSE	Cu.	2	Ci.	Cu.
10	Calm	----	Calm	----	S	1	S	3	S	1	Calm	----	3	Ci.	Cu.	2	Ci.	Cu.
11	Calm	----	Calm	----	SSW	2	SW	4	Calm	----	Calm	----	1	Ci.	Cu.	7	Ci.-S.	Cu. W
12	Calm	----	Calm	----	S	2	S	1	Calm	----	Calm	----	6	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
13	Calm	----	S	1	SW	2	SW	1	Calm	----	Calm	----	10	Ci.-S.	Cu. SW	9	Ci.-S.	Cu.
14	Calm	----	SSW	1	SW	3	SW	3	SW	4	SW	4	4	Ci.	Cu.	7	Ci.-S.	Cu.
15	SW	2	SW	2	SW	4	S	2	SW	3	SSW	3	10	----------	N. WSW	10	Ci.-S.	Cu.
16	SSW	4	SSW	2	SW	3	SSW	3	S	2	S	2	10	----------	N.	10	Ci.-S.	Cu.
17	S	1	S	1	S	4	S	1	S	3	S	2	10	Ci.-S.	Fr.-N. ssw	10	Ci.-S.	Cu.
18	Calm	----	SSW	1	S	1	SSW	2	Calm	----	Calm	----	7	Ci.-S.	Cu.	10	Ci.-S.	Fr.-N.ssw
19	Calm	----	S	1	SW	2	SSW	1	Calm	----	Calm	----	5	Ci.	Cu. SW	10	Ci.-S.	Cu.
20	Calm	----	SSW	2	S	3	SW	3	Calm	----	Calm	----	10	Ci.-S.	Fr.-N. SW	9	Ci.-S.	Cu.
21	Calm	----	Calm	----	S	2	S	3	Calm	----	Calm	----	6	Ci.	Cu.	6	Ci.-S.	Cu.
22	Calm	----	Calm	----	SSW	1	S	1	Calm	----	Calm	----	10	Ci.-S.	Cu.	9	Ci.-S.	Cu. SW
23	Calm	----	Calm	----	SSW	2	S	3	Calm	----	Calm	----	7	Ci.-S.	Cu.	5	Ci.-S.	Cu. SSW
24	Calm	----	Calm	----	S	1	Calm	----	W	1	Calm	----	9	Ci.-S.	Cu.	7	Ci.-S.	Cu.
25	Calm	----	Calm	----	Calm	----	SSE	1	Calm	----	Calm	----	10	A.-Cu.	Cu.	10	Ci.-S.	Fr.-N. S
26	Calm	----	Calm	----	SSW	1	SW	1	Calm	----	Calm	----	9	Ci.-S.	Cu.	9	Ci.-S.	Cu.
27	Calm	----	S	2	S	3	WSW	3	WSW	3	S	1	6	Ci.-S.	Cu.	2	Ci.	Cu.
28	Calm	----	SW	1	SW	2	WSW	2	Calm	----	Calm	----	2	Ci.	Cu.	2	Ci.	Cu.
29	Calm	----	Calm	----	SSW	3	SSW	2	Calm	----	S	1	1	A.-Cu.	Cu.	2	Ci.	Cu.
30	Calm	----	S	1	S	2	S	2	SSW	1	Calm	----	1	Ci.	Cu.	1	Ci.	Cu.
Mean	------	0.2	------	0.7	------	2.1	------	2.1	------	0.8	------	0.5	6.6	----------	----------	6.8	----------	----------

TAGBILARAN.

[$\phi = 9°\ 38'$ N; $\lambda = 123°\ 51'$ E; barometer above sea, 26.2 meters; gravity correction not applied, —1.86 mm.]

OCTOBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.93	59.11	59.09	57.09	58.09	59.75	26.6	26.7	31.8	30.5	28	26	33.1	24.6	83	84	62	70	79	88	------
2	59.37	59.89	60.30	58.54	59.54	60.59	24.3	25	31	29.5	27.6	25.6	33.4	23.2	97	95	67	70	82	88	------
3	60.12	60.41	60.88	58.49	59.84	60.14	24.9	24.2	30.4	28.9	27.2	25	34.4	23.9	94	96	74	77	83	93	------
4	59.04	59.51	59.75	57.50	58.50	59.51	23.4	24.1	31.8	30	27.5	26	34.6	22.9	97	94	65	66	79	90	------
5	57.98	58.86	59.36	56.93	58.74	60.02	24.2	24	29	29.1	25	24.5	33	23.3	98	98	74	73	97	98	------
6	58.78	59.16	59.61	57.90	58.94	60.39	24.6	26	29.3	31.1	27.9	27	33	23	95	87	70	60	78	79	------
7	59.41	60.42	60.88	58.90	59.66	60.63	25.7	26	29.7	28.3	27.2	26.3	32.3	25	81	79	67	71	72	82	------
8	60.01	60.64	60.69	57.79	58.93	60.60	25.9	26.1	30.5	32.2	28.3	27	33.3	25.1	83	83	65	55	74	79	------
9	59.09	59.27	60.13	57.37	58.36	59.53	25.8	25.9	25.9	29.9	26.5	26.3	31.8	24.6	85	87	86	67	83	82	6.6
10	58.44	58.72	59.14	56.80	57.43	58.38	25.7	25.8	30	30.7	26.5	26.6	32.3	24.4	83	84	68	64	85	81	------
11	57.84	58.34	58.84	56.42	57.21	58.61	26	24.8	29.4	31.3	27.2	24.6	32.8	24.2	85	90	68	63	83	93	------
12	57.81	57.89	58.87	56.43	57.63	59.03	25.1	24.9	31.8	30.6	27.9	25.4	33.1	23.7	91	90	59	67	81	91	------
13	58.12	58.02	58.33	55.70	56.60	57.52	25	25.4	32.9	32.8	28.3	25.3	34	24.3	92	90	52	55	74	88	------
14	56.27	55.77	55.93	53.39	54.55	55.12	24.3	24.9	30.8	29	25.7	25	31.2	23.7	96	94	71	74	94	95	57.5
15	52.92	52.42	51.77	48.18	48.52	49.94	24.8	26.4	25.2	24.6	23.8	24.6	27.1	23	93	85	92	92	93	85	127.5
16	50.39	52.50	54.04	53.32	55.29	56.62	24.9	25	24.8	27.2	25.2	25.9	27.9	23.2	84	88	88	75	83	77	4.6
17	56.26	57.85	58.56	57.41	58.33	59.79	26	26.9	30	30	26.5	25	32.2	24.8	79	76	70	65	85	92	------
18	58.94	59.62	59.72	57.80	58.85	60.24	25.7	25	30.5	29.5	27.8	25.9	33.2	24.6	93	97	67	72	84	91	1.5
19	59.34	60.25	60.05	57.80	58.42	59.60	24.9	24	30.3	26.9	25.3	24.9	32.8	23.7	92	93	72	86	93	88	1.8
20	58.42	58.92	59.05	56.39	57.46	58.94	23	23.6	29.2	31.2	26.4	24.5	32.8	22.3	98	96	74	66	82	94	------
21	58.44	59.12	59.67	57.23	58.73	59.99	24.5	23.4	30.5	30.9	27.9	25.6	31.9	22.8	92	97	63	65	80	89	------
22	58.38	58.98	59.27	56.74	57.76	58.81	24.6	24.2	30.8	32.5	28	26	33.7	23.3	95	94	69	56	83	90	------
23	57.52	58.43	58.80	56.27	57.59	58.60	24.8	24.7	29.9	31.7	28	25.7	32.6	23.9	95	93	73	68	79	86	------
24	57.62	58.61	58.93	56.48	57.31	58.52	24.8	24.9	28.9	32	26.8	25	33.7	23.6	93	94	77	54	84	97	------
25	57.71	58.08	58.50	56.33	57.44	58.64	24.5	24.7	28.5	30	27.8	25.1	32.3	23.6	94	94	78	69	81	92	------
26	57.65	58.06	58.58	56.67	57.44	59	25.6	25.5	30.7	31.2	27.2	26.9	32.6	24.6	92	93	69	66	83	79	------
27	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
28	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
29	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
30	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
31	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
Mean	57.88	58.42	58.80	56.53	57.58	58.79	25	25.1	29.8	30.1	27	25.6	32.5	23.8	90.8	90.4	70.8	67.9	82.8	88	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	[a]199.5

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	SSE	1	SSE	1	S	1	S	3	S	2	Calm	----	1	Ci.	Cu.	1	Ci.	Cu.	
2	Calm	----	Calm	----	S	2	SSE	2	Calm	----	Calm	----	5	Ci.-S.	Cu.	7	Ci.-S.	Cu.	
3	Calm	----	Calm	----	W	1	S	4	Calm	----	Calm	----	3	Ci.	Cu.	7	Ci.-S.	Cu.	
4	Calm	----	Calm	----	SW	1	SW	1	Calm	----	Calm	----	6	Ci.-S.	Cu.	9	Ci.-S.	Cu.	
5	Calm	----	Calm	----	S	1	S	1	Calm	----	Calm	----	8	Ci.-S.	Cu.	9	Ci.-S.	Cu.	
6	Calm	----	S	2	WSW	3	SSW	3	SW	2	SSW	2	9	Ci.-S.	Cu. S	6	A.-Cu.	Cu.	
8	Calm	----	Calm	----	W	3	SW	2	SW	2	Calm	----	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.	
8	Calm	----	S	1	SSW	2	SSW	2	Calm	----	Calm	----	8	Ci.-S.	Cu.	3	Ci.	Cu.	
9	SSE	1	SE	1	S	2	W	2	Calm	----	Calm	----	3	Ci.	Cu.	9	Ci.-S.	Cu.	
10	Calm	----	SW	2	S	3	SW	1	Calm	----	SW	2	6	Ci.-S.	Cu.	6	Ci.-S.	Cu.	S
11	SSW	2	Calm	----	SSW	3	SW	3	Calm	----	Calm	----	10	Ci.-S.	Cu.	3	Ci.	Cu.	
12	Calm	----	Calm	----	W	1	S	2	Calm	----	Calm	----	10	Ci.-S.	Cu.	9	Ci.-S.	Cu.	SSW
13	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	10	Ci.-S.	Fr.-N.	10	Ci.-S.	Cu.	
14	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	10	Ci.-S.	Fr.-N.	10	Ci.-S.	Cu.	
15	Calm	----	NNW	3	Calm	----	NW	6	NW	9	W	11	10	Ci.-S.	Fr.-N. NNW	10	----------	N. NNW	
16	SW	11	SSW	10	S	7	S	4	S	4	S	4	10	----------	N.	10	Ci.-S.	Fr.-N. SSW	
17	S	3	S	4	S	2	S	1	S	2	Calm	----	10	Ci.-S.	Cu.	7	Ci.-S.	Cu.	SW
18	Calm	----	Calm	----	S	1	S	1	Calm	----	Calm	----	9	Ci.-S.	Cu.	7	Ci.-S.	Cu.	SW
19	Calm	----	Calm	----	S	1	S	4	Calm	----	Calm	----	10	Ci.-S.	Fr.-N.	10	Ci.-S.	Fr.-N. SSW	
20	Calm	----	Calm	----	SW	2	W	2	Calm	----	Calm	----	9	Ci.-S.	Cu. SW	5	Ci.	Fr.-Cu. N	
21	Calm	----	Calm	----	S	2	SW	1	Calm	----	Calm	----	7	Ci.-S.	Cu.	5	Ci.-S.	Cu.	
22	Calm	----	SW	1	W	2	S	1	Calm	----	Calm	----	3	Ci.	Cu.	2	Ci.	Cu.	
23	Calm	----	Calm	----	W	1	SW	1	Calm	----	Calm	----	2	Ci.	Cu.	5	Ci.-S.	Cu.	W
24	Calm	----	Calm	----	SSW	1	S	1	SW	1	Calm	----	2	Ci.	Cu.	3	Ci.	Cu.	
25	Calm	----	Calm	----	S	2	NNE	2	Calm	----	Calm	----	9	Ci.-S.	Cu.	6	Ci.-S.	Cu.	
26	Calm	----	Calm	----	S	3	S	3	Calm	----	Calm	----	8	A.-Cu.	Cu.	3	Ci. SE	Cu.	
27	------	----	------	----	------	----	------	----	------	----	------	----	----	----------	----------	----	----------	----------	
28	------	----	------	----	------	----	------	----	------	----	------	----	----	----------	----------	----	----------	----------	
29	------	----	------	----	------	----	------	----	------	----	------	----	----	----------	----------	----	----------	----------	
30	------	----	------	----	------	----	------	----	------	----	------	----	----	----------	----------	----	----------	----------	
31	------	----	------	----	------	----	------	----	------	----	------	----	----	----------	----------	----	----------	----------	
Mean	------	0.7	------	1	------	1.8	------	2	------	0.8	------	0.7	7.2	----------	----------	6.6	----------	----------	

[a] 26 days of observation.

Note: This station was temporarily closed from October 27 to November 10.

TAGBILARAN.

[$\phi = 9° 38'$ N; $\lambda = 123° 51'$ E; barometer above sea, 26.2 meters; gravity correction not applied, —1.86 mm.]

NOVEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11	58.64	58.83	59.44	57.64	58.20	59.56	23	23.5	29.2	30.8	27	24.7	31.6	22	95	92	71	69	85	92	
12	58.86	59.35	59.53	57.48	57.91	58.25	23.5	23.6	30.3	29.8	26.9	24.8	32.3	22.9	96	97	74	75	89	92	
13	57.93	58.44	58.63	56.82	57.56	58.23	24	23.5	31.5	30.5	27.4	25	32.4	22.6	93	95	60	64	81	85	
14	57.67	58.27	58.80	56.99	57.74	58.76	23.9	23.1	31	29.3	26.7	24.5	32.5	22.7	92	95	59	70	87	94	
15	58.71	59.20	59.68	57.53	57.79	59.17	23.3	24.6	30.8	30.1	26.8	24.4	31.3	22.8	97	93	68	73	87	88	
16	58.62	58.92	59.52	57.50	57.96	59.22	22.4	23.6	30.7	31.5	27.2	23.2	32.6	22	96	95	67	66	86	98	
17	58.21	58.59	58.83	56.58	57.58	58.57	22.2	21.9	30.9	31	27.9	25.1	33	21.2	98	96	62	62	78	88	
18	58.13	58.40	59.03	56.33	57	58.34	24.1	24	27.6	31.2	27.9	25	32.5	23.4	94	91	79	60	82	83	
19	57.85	58.46	58.65	56.37	57.08	58.49	23.9	23.8	32	30.2	27.4	25.6	33.9	23.2	96	95	65	69	80	88	
20	57.83	57.92	58.23	56.24	56.80	57.93	23.7	23	29	31.4	27.3	25.2	33.8	22.3	94	95	76	68	84	85	
21	56.70	57.38	57.73	55.49	56.75	58.17	24	24	30.8	32.5	27.9	25.4	34.8	23.4	91	93	68	61	82	90	
22	57.62	57.73	58.07	55.89	57.45	58.85	23.3	23.6	29.6	29	26.9	24	32.9	22.8	97	97	74	76	85	95	2.8
23	57.43	57.62	57.77	55.25	56.56	57.08	24.4	24.5	28	29.3	26.7	24.5	30.2	23.3	97	96	77	74	85	87	
24	55.54	55.46	55.88	54.11	53.32	52.77	25.2	26.3	27.1	24.5	24.8	24.9	28.3	23.5	82	83	93	94	97	91	37.3
25	51.19	52.03	54.50	54.52	55.90	57.40	25	25.3	28.6	29.8	26.5	24.7	30.5	23.3	87	88	83	73	96	92	
26	57.47	58.38	58.29	56.09	56.87	58.65	23.1	23	29.7	30.2	26.9	24	31.9	22.6	99	97	72	68	83	95	
27	57.77	58.07	58.46	55.94	55.75	55.72	23.2	23.2	29.9	28.4	26.2	25.4	32	22.7	97	98	69	71	95	97	66.2
28	53.43	53	52.06	52.01	54.49	56.89	24.9	24.7	25.6	28.4	26	24.2	29.2	23	98	97	85	69	84	90	79.2
29	56.17	57.05	57.88	56.45	58	59.06	25.7	26	29	28.4	25.1	24	30.3	23.5	84	94	74	83	91	95	13.2
30	58.90	59.30	60.13	58	58.81	60.26	24	23.2	29.4	30.8	27.1	26	31.6	22.8	97	98	74	70	89	90	1.8
Mean	57.23	57.62	58.06	56.16	56.98	58.07	23.8	23.9	29.5	29.9	26.8	24.7	31.9	22.8	94	94.2	72.5	70.8	86.3	90.8	
Total																					[a]200.5

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.		Amount.	Form and direction.	
														Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11	Calm	----	Calm	----	SSE	2	S	1	Calm	----	Calm	----	1	Ci.	Cu.	3	Ci.	Fr.-Cu. SE
12	Calm	----	Calm	----	NNW	1	SSE	2	Calm	----	Calm	----	2	Ci.	Cu.	5	Ci.	Cu. E
13	Calm	----	SSE	1	SSE	2	S	2	Calm	----	S	1	2	Ci.	Cu.	1	Ci.	Cu.
14	Calm	----	Calm	----	SE	2	S	2	Calm	----	Calm	----	3	Ci. W	Cu.	6	Ci.-S.	Cu. SE
15	Calm	----	Calm	----	S	1	SSE	1	Calm	----	Calm	----	6	Ci.-S.	Cu.	5	Ci.-S.	Cu. SE
16	Calm	----	SE	3	SE	1	E	1	Calm	----	Calm	----	3	Ci.	Cu.	3	Ci.	Cu. E
17	Calm	----	SE	1	NE	2	SE	2	Calm	----	Calm	----	1	Ci.	Cu.	1	Ci.	Cu.
18	Calm	----	Calm	----	SSE	2	SE	2	Calm	----	Calm	----	5	Ci.	Cu. E	2	Ci.	Cu. E
19	Calm	----	Calm	----	S	1	S	3	Calm	----	Calm	----	2	Ci.	Cu.	3	Ci.	Cu.
20	Calm	----	Calm	----	NNE	2	SSE	2	SE	2	Calm	----	5	Ci.	Cu.	7	Ci.-S.	Cu. E
21	Calm	----	Calm	----	NE	1	NNE	1	SE	2	Calm	----	5	Ci.	Cu.	1	Ci.	Cu. NE
22	Calm	----	Calm	----	NNW	2	S	3	Calm	----	Calm	----	5	Ci.-S.	Cu.	7	Ci.-S.	Cu. ESE
23	Calm	----	Calm	----	NE	2	NE	2	Calm	----	Calm	----	10	Ci.-S.	Fr.-N. E	10	Ci.-S.	Cu. E
24	N	2	N	2	N	2	NNW	2	NNW	1	NNW	2	10	Ci.-S.	Cu. NNE	10	----------	N.
25	NNW	3	W	2	S	1	S	1	Calm	----	Calm	----	10	Ci.-S.	N.	10	Ci.-S.	Cu. SW
26	Calm	----	Calm	----	NW	2	S	3	S	2	Calm	----	7	Ci.	Cu.	1	Ci.	Cu.
27	Calm	----	Calm	----	NW	3	N	1	N	3	NNW	3	7	Ci.	Cu.	10	Ci.-S.	Fr.-N. NE
28	NNE	2	NNE	2	NNE	3	E	4	SE	4	SE	5	10	----------	N. NE	10	Ci.-S.	Fr.-N. SE
29	SSE	5	S	3	S	3	S	2	S	2	Calm	----	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
30	Calm	----	Calm	----	W	1	SW	1	S	1	S	1	7	Ci.-S.	Cu.	5	Ci.	Cu.
Mean		0.6		0.7		1.8		1.9		0.8		0.6	5.6			5.5		

[a] 20 days of observation.

TAGBILARAN.

[$\phi = 9° 38'$ N; $\lambda = 123° 51'$ E; barometer above sea, 26.2 meters; gravity correction not applied, —1.86 mm.]

DECEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.99	61.16	61.55	59.20	60.82	61.46	23.9	24	27	28.9	24	23.6	29.7	22.5	96	98	83	78	91	90	------
2	59.76	60.55	61.48	58.26	59.35	60.73	22.8	22.4	29.5	29.6	25.7	24	31.3	21.7	93	95	75	79	88	90	------
3	59.47	59.19	59.41	56.67	57.72	58.54	22.9	22.3	27.8	30.8	26	23.8	31.2	22.1	97	97	77	67	85	96	------
4	57.56	58.08	58.81	56.45	57.50	58.74	23.1	22.9	29.5	30.4	26.8	23.9	31.7	22.2	97	95	75	70	80	91	------
5	57.48	58.18	59.44	56.99	58.12	59.24	22.1	22.5	30.8	29.5	26	24	32.6	21.4	99	97	56	66	90	93	------
6	58.69	59	59.82	57.88	59.03	60.40	21.9	21	30.1	31.5	27.2	25.6	32.3	20.6	96	98	70	64	82	85	------
7	59.73	60.21	60.20	58.21	59.01	60.37	24	22.6	30.8	30.6	26	24.4	32.9	22.4	94	95	62	67	85	95	------
8	59.47	59.99	60.49	58.72	59.04	60.07	23.6	22.2	29.8	31.5	25.5	23	32.6	22	97	96	67	64	93	88	------
9	59.53	59.72	60.45	58.41	59.02	60.01	22.4	22.5	28.1	28.5	25	24	31.4	21.9	95	96	74	75	90	95	4.1
10	59.31	59.72	60.22	58.07	59.21	60	23.6	23.1	29	28.5	26	24.5	31.2	22.6	95	97	72	78	85	87	2
11	58.99	59.59	60.21	57.94	59.20	60.63	23.6	23.2	29.3	31.8	26.8	24.9	33.3	22.8	93	93	62	47	71	82	------
12	59.49	59.77	60.69	58.30	59.33	60.20	24	23.8	30	32.4	27	24.2	33.7	23.1	88	87	61	54	80	93	------
13	59.59	59.87	60.69	58.65	59.62	61.10	23.1	23.7	30.5	32	26.4	25.2	33.7	22.8	94	94	66	50	78	88	------
14	60.06	60.88	60.81	58.91	59.61	60.70	24.4	23.8	29.4	28	25.4	24	32	23.2	95	95	71	82	92	95	3.3
15	59.67	59.99	60.82	58.28	59.64	60.77	23.2	23.8	30.6	30.7	26.4	23.8	32.4	22.4	98	95	65	67	81	90	------
16	59.50	59.78	60	58.11	59.30	60.06	22.2	22.4	30	28.5	26.4	24.7	31.1	21	91	90	69	67	76	87	------
17	59.72	59.90	60.35	57.69	58.81	59.80	23.3	22.6	30.4	30.4	27.8	25	32.3	21.6	89	89	61	66	75	87	------
18	58.83	59.52	60.01	57.30	57.79	58.98	24.5	23	29.5	31.3	26	22.5	32.4	21.5	89	97	64	44	78	94	------
19	58.26	59.16	59.67	57.39	58.72	59.18	20.7	19.9	28.9	29.5	25.4	22	30.8	19	94	94	68	59	79	93	------
20	58.67	58.95	59.52	57.31	58.22	59.23	21.6	21.3	28.3	29.4	25.9	23.2	31.4	20.8	95	96	72	70	85	94	------
21	58.32	58.83	58.95	57.29	58.04	58.93	23.8	23.7	29.3	27.2	26.3	25	31.4	22.7	96	96	74	90	93	93	12.4
22	58.47	59.13	59.76	57.26	58.21	59.90	24.9	24.4	30.4	27	26.8	24.9	31.7	24.1	94	97	68	86	90	87	2.3
23	59.13	60.02	60.22	58.62	59.70	61.36	24.8	24.5	27.4	28.4	25.5	25.3	30	21.7	92	92	76	73	83	89	10.4
24	59.43	59.20	60	58.05	58.74	59.58	22.4	21	29.8	29.6	26	24.7	31.6	20.2	92	92	63	70	86	91	------
25	59.37	59.58	60.10	58.42	60.06	60.22	23.9	23	29	27.9	23.4	22.1	29.4	21.9	88	91	72	77	88	90	5.8
26	59.99	60.18	60.34	57.94	59.19	60.27	22.1	23	28.7	29.8	26.1	24.5	31.8	21.7	88	93	68	60	76	86	------
27	59.57	59.89	60.04	58.33	59.20	59.80	23.2	23	30	30	26.9	24.6	31.4	22.4	94	95	68	65	75	89	------
28	59.31	60.52	60.98	58.52	59.62	60.45	23	22.9	31.4	31	26.2	24.5	32.8	22.2	96	94	56	59	85	90	------
29	60.06	60.87	61.50	59.17	60.39	61.16	23.8	22.9	28.8	28.2	25.5	23	30.7	21.9	87	94	67	70	84	94	------
30	60.53	60.90	61.41	58.96	59.80	60.92	22	21.8	30	29.8	25.3	23	31.3	21.4	95	93	62	68	75	84	------
31	60.06	60.08	60.14	57.52	58.89	59.61	24.2	24	28.5	31.4	26.4	24.9	32.3	22.6	94	94	75	65	81	87	------
Mean	59.29	59.76	60.26	58.03	59.06	60.08	23.2	22.8	29.4	29.8	26	24.1	31.8	21.9	93.6	94.4	68.4	67.6	83.2	90.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	40.3

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*			*0–10*			*0–10*			
1	Calm	----	Calm	----	SSW	2	Calm	----	Calm	----	Calm	----	10	Ci.-S.	Fr.-N.	10	Ci.-S.	Cu.	
2	Calm	----	SE	1	NW	2	SSE	2	Calm	----	Calm	----	3	Ci.-Cu.	Cu.	5	Ci.	Cu.	
3	Calm	----	Calm	----	NNW	2	NW	1	Calm	----	Calm	----	2	Ci.	Cu.	3	Ci.-S.	Cu.	
4	Calm	----	Calm	----	SSE	1	S	2	Calm	----	Calm	----	7	Ci.-S.	Cu.	5	Ci.-S.	Cu.	
5	Calm	----	Calm	----	SW	2	S	3	SW	1	Calm	----	3	Ci.	Cu.	1	----------	Cu.	
6	Calm	----	Calm	----	SSE	2	SE	1	Calm	----	Calm	----	3	Ci.	Cu.	3	Ci.	Cu.-N.	E
7	Calm	----	Calm	----	SE	1	SE	2	E	1	Calm	----	3	Ci.	Fr.-Cu.	E	3	Ci.	Fr.-Cu.	E
8	Calm	----	Calm	----	NNE	3	NE	2	Calm	----	Calm	----	1	Ci.	Cu.		3	Ci.	Cu.	E
9	Calm	----	Calm	----	NE	2	NE	2	Calm	----	Calm	----	3	Ci.-Cu.	Cu.	E	10	Ci.-S.	N.	E
10	Calm	----	Calm	----	NNE	1	NE	2	Calm	----	Calm	----	6	Ci.-S.	Cu.	E	8	Ci.-S.	Cu.	E
11	E	2	SE	1	NE	2	SE	3	Calm	----	Calm	----	6	Ci.-S.	Cu.	E	2	Ci.	Cu.	
12	Calm	----	Calm	----	SE	2	E	2	Calm	----	Calm	----	3	Ci.	Cu.		6	Ci.-S.	Cu.	SE
13	Calm	----	Calm	----	SE	2	SE	2	SE	1	Calm	----	4	Ci.	Cu.		2	Ci.	Fr.-Cu.	E
14	Calm	----	E	1	SE	2	Calm	----	E	1	Calm	----	7	Ci.-S.	Cu.	NE	10	Ci.-S.	N.	NE
15	Calm	----	Calm	----	SE	2	S	3	Calm	----	Calm	----	5	Ci.	Cu.	SE	3	Ci.	Cu.	SE
16	Calm	----	ESE	1	E	3	NE	2	E	2	Calm	----	1	Ci.	Cu.		9	Ci.-S.	Cu.	E
17	Calm	----	Calm	----	E	2	SE	2	Calm	----	Calm	----	1	Ci.	Cu.		3	Ci.	Cu.	E
18	Calm	----	Calm	----	NE	1	NE	1	Calm	----	Calm	----	6	Ci.	Cu.	E	5	Ci.-S.	Cu.	
19	Calm	----	SE	1	SE	1	E	1	Calm	----	Calm	----	2	Ci.	Cu.		7	Ci.-S.	Cu.	SSE
20	Calm	----	Calm	----	S	1	SE	2	Calm	----	Calm	----	2	Ci.	Cu.	NE	4	Ci.	Cu.	E
21	Calm	----	Calm	----	NNE	1	Calm	----	Calm	----	Calm	----	7	Ci.-S.	Cu.	SSE	8	Ci.-S.	Cu.	
22	Calm	----	Calm	----	NE	4	NE	1	NE	1	Calm	----	7	Ci.-S.	Cu.	E	7	Ci.	Cu.	E
23	Calm	----	E	1	E	1	SE	2	E	1	NE	2	10	Ci.-S.	Cu.	SE	9	Ci.-S.	Cu.	
24	Calm	----	Calm	----	NNE	2	E	1	NNE	1	NE	1	2	Ci.	Cu.	ESE	5	Ci.	Cu.	SE
25	Calm	----	E	1	E	1	E	2	Calm	----	NE	1	4	Ci.	Cu.	SE	10	----------	N.	SE
26	Calm	----	NE	1	E	2	SE	2	Calm	----	Calm	----	4	Ci.	Fr.-Cu.	ENE	3	Ci.	Fr.-Cu.	SSE
27	Calm	----	SE	1	E	2	SE	3	Calm	----	Calm	----	1	Ci.	Fr.-Cu.		1	Ci.	Cu.	
28	Calm	----	Calm	----	E	1	S	1	Calm	----	NNE	1	3	Ci.	Cu.		1	Ci.	Cu.	
29	Calm	----	E	1	SE	2	SE	1	Calm	----	Calm	----	1	Ci.	Cu.		9	Ci.-S.	Cu.	
30	Calm	----	Calm	----	E	1	SE	4	Calm	----	Calm	----	3	Ci.	Cu.		5	Ci.-S.	Cu.	
31	Calm	----	Calm	----	S	2	SE	3	NE	2	NE	1	10	Ci.-S.	Cu.	ESE	5	Ci.	Cu.	SE
Mean	------	0.1	------	0.3	------	1.8	------	1.8	------	0.4	------	0.2	4.2	----------	----------		5.3	----------	----------	

SURIGAO.

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

JUNE, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.34	58.57	59.02	57.39	57.75	59.60	25.7	25.4	31.8	32.1	29	27	33	24.6	91	93	66	69	75	88	
2	59.26	59.78	59.79	58.78	58.53	59.93	25.9	25.1	32	29.7	27.9	26.4	32.6	24.8	94	94	71	77	85	90	0.3
3	59.01	59.30	59.77	58.19	58.30	59.46	25.3	25.2	31.6	32.1	29	26.9	32.5	24.2	97	95	72	69	83	86	
4	58.33	58.61	58.71	57.03	57.45	58.76	25.7	25	32	32.4	29	26.9	32.6	24.4	94	95	70	68	81	90	
5	57.98	58.22	58.83	56.43	57.14	59.13	25.5	25	32.1	30.6	29.3	27.1	32.6	24.4	94	93	69	74	79	88	
6	58.66	58.72	59.21	56.53	57.14	58.70	25.7	25.1	30.5	32.5	29	26.6	33.3	24.5	95	95	75	71	82	90	
7	58.23	58.39	59.11	57.22	57.01	58.46	25.2	24.9	32.1	30.4	28.8	26.5	33	24.4	93	93	72	74	83	89	
8	57.67	58.29	58.79	57.35	57.78	59.06	25.5	24 5	31.4	29.2	29	26.3	34	24.3	93	94	69	71	81	90	
9	58.46	58.71	58.63	56.67	57.88	59.26	25	25.2	30.9	31.8	29.1	27	32.8	24.2	97	94	70	65	78	88	
10	58.58	59.11	59.12	57.09	57.89	59.63	25.7	25.1	30.7	31.7	29.1	27.2	32	24	91	92	71	63	81	88	.3
11	58.62	58.99	59.78	58.20	58.98	59.86	23.8	23.6	30.2	32	28.5	24	33	23.1	91	92	70	70	85	94	9.7
12	58.94	59.10	59.98	57.59	58.66	59.65	23.7	23.5	29.2	32.1	28.9	26	32.4	23	96	96	74	69	73	85	
13	59.03	59.28	59.68	57.26	58.78	60.60	24.4	25.1	31.4	30.7	29	26.6	32.4	24.1	93	91	62	71	82	87	
14	59.21	59.48	59.60	57.57	57.99	59.74	25.3	25.1	32	32.7	29	26.4	33	24	91	91	67	66	74	89	
15	58.71	58.93	59.03	56.98	57.40	58.54	25	24.7	32.1	32.1	28.9	27.2	33	23.6	92	91	64	72	75	87	
16	57.71	57.87	57.85	56.03	56.68	58.11	25.3	25	30.4	32.7	29	25.7	35	23.9	93	92	73	60	81	88	
17	57.13	57.66	58.46	57.01	56.49	57.84	23.9	25.6	28.6	28.7	27	25.2	29.4	23.8	92	88	76	83	86	92	
18	57.74	58.49	58.31	56.56	56.94	58.31	24.9	25.3	32	30	29.1	26.1	33.5	24.1	91	90	67	69	70	91	.3
19	58.21	58.35	58.10	55.93	56.93	58.85	25.1	24.9	32.5	31.8	28.7	26.6	34.9	24	94	92	66	67	80	86	
20	58.29	57.92	57.81	56.19	56.80	58.26	25.5	25.2	32.1	32	29.1	26.1	33.6	24.5	90	87	58	61	70	83	
21	57.81	57.97	58.09	56.54	57.35	58.40	24.8	26	32.6	31.5	29.7	26.4	33.5	24	88	85	65	66	77	90	
22	58.41	58.69	58.79	57.11	57.64	58.87	25.2	25	30.6	32	29	26.6	34.4	24.3	92	92	71	61	81	87	
23	58.29	58.72	58.78	56.87	57.25	58.64	25.3	25	33.4	33.6	29.5	26.7	35	24	93	92	60	67	72	85	
24	57.94	58.04	58.36	56.28	57.35	58.38	25.3	24.5	33.2	33.2	28.6	26	34.4	23.4	86	89	60	66	82	88	7.4
25	58.01	58.13	58.33	56.59	57.47	59.44	25.7	24.7	31.6	32.7	29	25.5	33.1	23.9	88	94	69	66	78	92	1.3
26	58.79	58.65	58.79	56.93	58.01	59.27	24.4	24.2	32	32	28.6	25.7	33	23.4	95	93	64	67	78	90	
27	58.23	58.98	58.48	56.68	57.90	58.77	24.7	24.2	30.3	31.4	29.4	26	32.9	23.5	92	94	67	66	75	89	
28	58.01	58.03	58.08	56.59	57.23	58.22	25	24.7	30.9	31.8	30	26.3	32.5	23.7	94	94	58	55	69	86	
29	57.98	58.36	58.43	57.49	56.96	59.17	25.1	25	26.8	30	27.9	25.4	30.6	24	92	92	90	75	84	90	.8
30	58.23	58.38	59.11	57.55	57.41	58.83	24	23.8	31.8	29.2	27.8	25.6	32.3	23.1	95	94	68	76	79	91	.5
Mean	58.33	58.59	58.83	57.02	57.57	58.99	25.1	24.9	31.3	31.5	28.9	26.3	33	24	92.6	92.2	68.5	68.5	78.6	88.6	
Total																					20.6

Day.	Wind.										Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
		0-12		*0-12*		*0-12*		*0-12*		*0-12*		*0-12*	*0-10*			*0-10*		
1	Calm		Calm		ENE	1	ENE	2	ENE	1	Calm		0	Ci.	Cu.	0	Ci.	Cu.
2	Calm		Calm		ENE	1	NE	1	NE	1	Calm		0	Ci.	Cu.	8	Ci.-S.	Cu.-N.
3	Calm		S	1	ENE	1	ENE	2	E	1	Calm		0	Ci.	Cu.	1	Ci.-S.	Cu.
4	Calm		Calm		ENE	1	ENE	2	NE	1	Calm		0	Ci.	Cu.	1	Ci.	Cu.-N.
5	Calm		Calm		NE	1	NW	2	SE	1	Calm		0	Ci.	Cu.	1	Ci.-S.	Cu.-N.
6	Calm		Calm		N	1	ENE	2	E	1	Calm		1	Ci.	Cu.	1	Ci.	Cu.
7	Calm		Calm		N	1	Calm		ENE	1	Calm		3	Ci.	Cu.	8	Ci.-S.	Cu.-N.
8	Calm		Calm		NW	1	S	1	Calm		Calm		2	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
9	Calm		Calm		WNW	2	ENE	1	ENE	1	Calm		5	A.-Cu.	Cu.-N.	1	Ci.-S.	Cu.-N.
10	Calm		Calm		WNW	2	W	2	E	1	Calm		7	A.-Cu.	Cu.-N.	6	Ci.-S.	Cu.-N.
11	Calm		SW	1	NNE	1	N	1	ENE	1	Calm		9	A.-Cu.	Cu.-N.	9	Ci.-S.	Cu.
12	Calm		Calm		WNW	1	ENE	2	Calm		Calm		0	Ci.	Cu.	4	Ci.-S.	Cu.-N. S
13	Calm		Calm		SW	1	WNW	2	Calm		Calm		5	Ci.	Cu.	4	Ci.-S.	Cu.-N.SW
14	Calm		S	1	ENE	1	ENE	1	ESE	1	Calm		0	Ci.	Cu.	0	Ci.	Cu.
15	Calm		Calm		E	1	ENE	1	SE	1	Calm		0	Ci.	Cu.	0	Ci.	Cu.
16	Calm		Calm		WNW	2	SE	1	Calm		SW	1	0	Ci.	Cu.	3	Ci.	N. S
17	Calm		Calm		S	1	NE	1	Calm		Calm		5	Ci.	Cu.-N.	10	Ci.-S.	Cu.-N.
18	Calm		Calm		NE	1	W	2	Calm		Calm		1	A.-Cu.	Cu.	2	Ci.	N.
19	Calm		Calm		ENE	1	WNW	3	WSW	1	Calm		0	Ci.	Cu.	1	Ci.-S.	Cu.
20	Calm		Calm		W	2	W	2	Calm		Calm		0	Ci.	Cu.	1	Ci.	Cu.
21	Calm		Calm		N	1	WNW	2	Calm		Calm		0	Ci.	Cu.	1	Ci.	Cu.
22	Calm		Calm		WNW	1	NW	1	NE	1	Calm		2	Ci.	Cu.	5	Ci.-S.	Cu.
23	Calm		Calm		ENE	1	ENE	2	Calm		SW	1	0	Ci.	Cu.	0	Ci.	Cu.
24	Calm		S	1	E	1	ENE	2	ENE	1	Calm		0	Ci.	Cu.	1	Ci.	Cu.
25	Calm		Calm		ENE	1	NE	1	E	1	Calm		0	Ci.	Cu.	0	Ci.	Cu.
26	Calm		S	1	ENE	1	NE	1	E	1	SSW	1	0	Ci.	Cu.	0	Ci.	Cu.
27	Calm		Calm		NW	2	NW	1	Calm		Calm		2	Ci.	Cu.-N.	1	Ci.-S.	Cu.
28	Calm		Calm		WNW	2	WNW	2	Calm		Calm		0	Ci.	Cu.	6	Ci.	Cu.-N.SW
29	Calm		Calm		NW	1	Calm		Calm		Calm		9	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N.
30	Calm		Calm		Calm		Calm		SE	1	Calm		3	Ci.-S.	Cu.	6	A.-Cu.	Cu.
Mean		0		0.2		1.2		1.4		0.6		0.1	1.8			3.3		

NOTE.—This station was reduced to third class from September 1, 1911, to May 31, 1912. The observations for January to May will be found further on among observations of third-class and rain stations.

SURIGAO.

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

JULY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.21	58.38	58.76	56.75	57.15	58.62	24.7	24.5	30	31.5	28.5	26.2	32.6	24	97	96	75	67	77	89	
2	57.77	58.12	59.03	57.39	57.52	58.92	25.5	25.1	26.9	25.6	25.9	24.7	27	24.6	93	94	90	95	91	94	3.9
3	58.44	58.63	59.01	58.31	58.80	59.83	25.1	24.2	28.4	27.2	23.5	23.4	31.4	23	90	95	82	78	97	97	57.9
4	59.61	60.07	59.99	58.75	58.98	60.22	23.3	24	29	27.3	26.9	25	29.6	23	97	96	79	78	81	92	
5	59.43	59.58	59.10	57.55	57.81	59	23.7	23.3	31	31.4	28.6	24.6	32.5	23	94	95	72	69	80	93	6.9
6	58.33	58.43	58.75	56.76	57.36	58.54	24.2	24	29.7	28.7	27.1	25.1	31	23.6	95	96	80	76	83	92	
7	57.83	58.10	58.10	55.84	56.63	58.05	24.1	23.5	31.1	30.7	28.2	26.4	32.1	22.9	97	96	73	67	80	89	3.3
8	57.05	57.30	57.46	55.44	56.44	58.16	24.5	23.5	29.2	29.2	27.6	25.7	31.5	23.3	96	96	76	71	84	94	3.5
9	57.97	57.47	58.31	56.24	56.81	58.50	24.6	24.2	26.8	29.7	27.3	24.5	30.4	23.7	94	96	89	75	77	92	.3
10	57.59	57.98	58.65	57.34	58	59.22	23.4	23.2	31.1	30.7	28.4	25.6	32.5	22.7	94	94	69	65	76	92	
11	58.03	58.59	58.51	56.54	57.56	58.82	24.2	23.9	31.2	31.6	28.8	26	32.6	23.3	94	94	71	68	80	91	
12	57.79	57.70	58.09	56.36	56.64	58.15	24.7	24.4	30.5	31	28.7	26.5	32.1	23.5	94	94	71	75	80	90	.3
13	56.81	57.15	57.94	56.08	56.45	58.14	25.5	24.6	30.4	29.6	28.5	27.3	31.4	24.3	93	95	76	80	85	90	
14	56.81	57.17	58.10	56.11	57.77	58.61	25.6	24.9	29.6	29.8	25.6	25.3	31	24	95	93	77	76	92	91	17.5
15	58.17	58.47	59.05	56.25	57.26	58.86	24.8	24.2	26.6	29.3	27.6	25.1	31	24	91	94	87	82	84	95	
16	57.75	58.09	58.36	56.44	57.11	58.11	23.7	23.5	29.2	30.6	28.3	25	31.1	23	99	97	70	72	79	94	7.4
17	57.08	57.44	57.64	56.45	56.35	58.24	24.7	24	30	28.4	27.8	25.5	30.4	23.7	90	96	80	77	79	91	2
18	56.82	57.07	56.84	55.98	55.79	56.72	24.9	24	30.4	28.7	27.6	27.1	31.5	23.5	92	96	67	76	76	76	
19	56.23	56.19	56.75	55.44	56.34	57.37	26	26.5	29	30.7	28.1	25.2	31.1	25.2	82	77	71	64	72	97	6.6
20	57.30	57.48	57.76	55.91	56.90	58.56	25	24.4	28	30.4	28.5	25.9	30.6	23.6	90	93	77	63	78	91	2.5
21	57.31	57.63	57.97	56.73	57.69	59.12	25.6	24.1	27.9	30	28	26	31	23.9	95	91	78	75	81	92	.8
22	57.27	57.44	57.93	56.64	57.44	58.31	25.1	24.5	27.4	29.6	27.6	25.3	30	24	88	86	81	69	83	90	
23	57.17	57.25	57.53	55.97	56.40	58.01	24.8	24.6	31.4	32.8	28.4	26.7	33	24.3	93	93	62	54	68	80	
24	57.18	57.11	57.86	56.60	57.06	58.85	26.6	26.2	30.7	31	29	25.8	32	25	80	84	67	62	74	86	.5
25	57.96	57.70	58.70	56.89	57.40	58.38	24.3	24.1	29.7	29.6	28.1	26	31.3	23.8	94	86	69	67	74	96	.3
26	57.51	57.43	57.90	56.20	56.46	57.51	25.4	25	30	28.2	26	25	30.5	24.3	95	95	68	76	84	89	4.1
27	56.19	55.93	56.61	54.43	55.22	56.39	23.9	24	26.6	28.4	26.6	24.5	29	23.5	96	96	92	75	85	96	23.6
28	55.60	55.79	56.92	55.63	56.50	57.97	24.8	26.7	28.5	30	28	27.4	30.9	24.8	92	79	75	65	77	78	.3
29	57.33	57.61	58.19	57	57.63	59.27	27	24.4	30.7	31.5	28.5	25.5	32.3	24.1	80	92	67	54	74	86	2.3
30	58.39	58.42	58.65	56.86	57.25	59.34	24.6	24.5	30.4	30.1	27.6	27	31.5	23.9	92	92	80	71	81	79	.6
31	58.18	57.56	58.05	57.10	57.55	58.48	26.7	25.5	30.2	30	28.5	26	32.5	25	83	96	71	65	74	78	
Mean	57.58	57.72	58.15	56.52	57.11	58.46	24.9	24.4	29.4	29.8	27.7	25.7	31.2	23.8	92.1	92.7	75.5	71.2	80.2	89.7	
Total																					144.6

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.				2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.			Amount.	Form and direction.		
														Upper.	Lower.			Upper.	Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*				*0–10*			
1	Calm		Calm		Calm		ENE	1	Calm		Calm		10	Ci.-S.	Cu.-N.		9	Ci.-S.	Cu.	
2	Calm		Calm		Calm		Calm		Calm		Calm		10	Ci.-S.	Cu.-N.		10		N.	
3	Calm		Calm		ENE	1	SSW	2	Calm		Calm		10		S.-Cu.		10		N.	E
4	Calm		Calm		ENE	1	ESE	1	ESE	1	Calm		10	Ci.-S.	Cu.-N.	SE	10		Cu.-N.	
5	Calm		Calm		ENE	1	ENE	1	NNE	1	Calm		9	A.-Cu.	Cu.-N.		3	Ci.-S.	Cu.	
6	Calm		Calm		NE	1	E	1	Calm		Calm		8	Ci.	Cu.-N.		9	Ci.-S.	Cu.-N.	
7	Calm		Calm		NE	1	E	2	NE	2	ESE	1	6	Ci.-S.	Cu.-N.		3	Ci.-S.	Cu.	
8	Calm		Calm		E	1	WNW	2	Calm		NW	1	5	Ci.	Cu.-N.		4	Ci.-S.	Cu.-N.	
9	Calm		Calm		Calm		NNW	1	Calm		Calm		10		N.		8	Ci.-S.	Cu.-N.	
10	Calm		Calm		Calm		ENE	2	ENE	1	Calm		4	Ci.-S.	Cu.-N.		8	Ci.-S.	Cu.-N.	
11	Calm		Calm		E	1	ESE	1	E	1	Calm		1	Ci.-S.	Cu.-N.	E	1	Ci.	Cu.	
12	Calm		Calm		NW	1	Calm		NNE	1	Calm		0	Ci.	Cu.		5	Ci.-S.	Cu.	
13	Calm		Calm		Calm		Calm		NE	1	SW	1	1	Ci.	Cu.-N.		6	Ci.-S.	Cu.-N.	
14	Calm		Calm		NW	1	NW	1	S	1	Calm		1	Ci.	Cu.		6	Ci.-S.	Cu.	
15	Calm		Calm		E	1	ENE	2	Calm		Calm		10		Cu.-N.		10	Ci.-S.	Cu.-N.	
16	Calm		Calm		WNW	1	WNW	2	Calm		Calm		3	Ci.	Cu.-N.		4	Ci.-S.	Cu. WbyS	
17	SE	1	Calm		ENE	1	WSW	1	Calm		Calm		10		Cu.-N.		8	Ci.-S.	Cu.-N.	
18	SW	1	Calm		SSW	1	SW	2	SW	2	SW	3	9	Ci.-S.	Cu.-N.		10		N.	
19	SW	3	SW	3	WSW	1	WSW	1	SW	1	SW	2	9	Ci.-S.	Cu.-N.		9	Ci.-S.	Cu.-N.	
20	SW	2	Calm		SSW	2	WSW	2	SW	1	SW	2	10		Cu.-N.		8	Ci.-S.	Cu.	
21	Calm		Calm		E	1	Calm		Calm		SSW	1	10	Ci.	N.		9	Ci.-S.	Cu.-N.	
22	Calm		S	1	WSW	1	SW	1	Calm		Calm		10		N.		10		N.	
23	Calm		Calm		WSW	1	WSW	2	Calm		Calm		10		Cu.-N.	W	2	Ci.-S.	Cu.	
24	WSW	1	SW	1	SW	2	SW	1	Calm		SW	1	6	Ci.-S.	S.-Cu.		4	Ci.-S.	Cu.	
25	SW	1	Calm		SSW	2	SSW	1	Calm		Calm		10		Cu.-N.		6	Ci.-S.	Cu.	
26	SSW	1	Calm		WNW	1	Calm		Calm		WNW	1	5	A.-Cu.	Cu.-N.		9	Ci.-S.	N.	
27	Calm		WSW	1	Calm		Calm		WSW	1	WSW	1	5	A.-Cu.	Cu.-N. NNW		8	Ci.-S.	Cu.-N.	
28	SW	1	WSW	2	SW	1	WSW	1	WSW	1	SW	1	10		Cu.-N. WSW		9	Ci.-S.	Cu.-N.	
29	SW	1	Calm		S	1	WNW	1	Calm		Calm		9	Ci.-S.	Cu.		4	Ci.-S.	Cu.	
30	Calm		SSW	2	ENE	1	W	1	Calm		W	2	10		N.		4	Ci.-S.	Cu.	
31	W	1	Calm		ENE	1	WNW	2	Calm		SW	1	8	Ci.-S.	S.-Cu.		2	Ci.	Cu.	
Mean		0.4		0.3		0.9		1.1		0.5		0.6	7.4				6.7			

SURIGAO.

[$\phi = 9°\ 48'$ N; $\lambda = 125°\ 29'$ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

AUGUST, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	56.93	57.02	57.55	56.51	57.20	58.20	26.1	27	29.5	31.2	28.1	27.8	31.6	25.5	79	74	61	61	73	71	------
2	56.87	56.86	57.46	57.11	58.28	59.13	26.8	25.5	29.6	31.1	29	26.7	31.9	25.4	83	84	72	59	70	76	3.8
3	58.88	58.99	59.35	57.80	58.33	59.84	26.1	24.6	26.4	28.6	27	26.7	29	24.3	87	95	90	66	80	83	3.3
4	58.71	58.47	59.08	57.27	57.76	59.05	25.3	24.5	29.5	28.2	27.5	25.5	30.5	24	88	88	71	72	78	88	8.9
5	58.02	57.63	58.30	56.61	56.95	58.77	24.3	25.3	30	31.2	28.3	25.5	31.7	23.7	95	93	70	61	76	85	.5
6	58.14	58.57	58.98	57.66	58.34	59.79	25.1	25	30.2	30.3	28.5	26.1	31.8	24.1	88	88	62	66	72	87	------
7	58.96	59.23	59.61	57.29	58.27	59.90	25	24.5	30.1	31.2	28.2	26.2	32.6	24.2	92	92	71	61	77	88	5
8	58.73	58.37	58.63	56.94	57.56	58.32	24.2	24	27.5	28.8	26.6	25.8	29.9	23.6	91	91	79	69	80	89	9.2
9	58.03	58.28	58.15	56.29	56.91	58.27	23.6	22.7	27.5	30	27.5	26.5	30.5	22.4	97	95	77	66	81	87	.8
10	57.54	57.72	58.76	56.99	57.22	59.10	26.2	24.5	29.5	29.7	28	26.7	30.5	24	92	88	75	70	74	79	.3
11	57.66	57.12	58.11	56.46	56.78	58.55	27.6	26.9	30.8	30	28.5	27.6	32	26.5	76	83	64	67	68	77	------
12	56.89	56.92	57.91	56.06	56.59	57.96	27.4	27.3	30.5	29.6	28.1	27.8	31.5	27	77	78	63	68	70	76	------
13	56.76	56.66	57.21	56.02	56.81	58.29	27.7	27.1	31.8	33	29	27.8	33.5	27	76	79	52	52	68	78	------
14	57.29	57.41	57.70	56.78	56.84	58.44	27.5	25.7	32.2	31.7	29.4	27.6	33.4	25.2	78	82	54	58	59	81	------
15	58.12	58.07	58.64	56.85	57.31	58.92	27.1	25.5	31.4	30.5	29.6	25.7	32.8	24.5	83	88	65	72	68	83	------
16	58.51	58.07	58.51	56.79	57.63	58.37	24.3	24	32	32.2	28.8	26.1	33.2	23.5	92	92	60	57	76	89	------
17	57.63	57.64	57.95	56.01	56.73	58.05	24.1	26.1	29.5	30.8	29.1	26	32.1	24.1	98	85	76	68	74	88	11.5
18	57.57	57.63	58.23	56.29	56.81	58.03	24.3	25	27.5	29.2	27.6	25.8	30.4	24	97	95	84	75	81	89	.3
19	57.28	57.13	58.26	56.23	57.04	58.52	23.4	24.6	29.5	30.2	28	26.5	31.4	23.4	93	91	68	64	77	87	2.8
20	57.67	57.50	57.75	56.48	57.15	58.47	25.1	24.6	29.5	31.1	28.2	26.6	31.6	24.4	91	95	72	60	70	85	------
21	58.01	57.91	59.59	57.06	57.86	58.96	25.6	25.8	26.1	28.3	26.7	27	28.5	24.5	88	87	85	76	85	80	6.7
22	58.37	58.10	59.09	57.05	57.76	59.17	24.8	24	29.3	30.4	27.6	24.6	31.4	23.6	92	95	73	66	80	97	23.4
23	58.60	58.04	58.14	55.66	56.46	57.90	24.5	24.4	27.1	29.5	27	26	30.3	24	93	94	78	79	77	85	1.8
24	57.21	57.32	58.87	56.87	57.02	57.86	26.5	25.2	27	29	27.6	27.6	29.5	25	80	84	81	71	69	75	.3
25	57.22	57.26	57.45	55.68	56.50	57.82	27.4	27.1	29.9	30.1	28.5	28.2	31	26.9	78	81	67	62	67	67	------
26	56.56	56.37	56.23	54.85	55.29	56.89	27.8	27.5	30.8	31.2	28.6	28.5	32.5	27.1	72	78	57	60	70	70	------
27	57.04	56.36	55.70	53.89	54.64	56.44	28	27.8	31.9	32.1	28.6	28	33.6	27	77	79	58	61	77	74	------
28	55.40	55.26	55.77	54.37	55.15	57.11	28	27.6	32.2	31.4	29.4	28.5	32.9	27.4	73	73	53	58	68	75	------
29	56.55	56.66	56.91	55.62	56.68	58.65	27.7	27.5	31.1	32.1	28.5	27.2	32.5	26	78	74	62	62	78	77	------
30	57.06	56.80	57.58	55.74	56.23	57.04	27.1	27	31	32	29	28.6	33.5	26	72	75	58	57	62	69	------
31	55.70	55.95	55.76	53.89	54.44	55.28	28	27.7	31.6	31.7	29.2	28.5	32.9	27.5	74	76	56	54	64	70	------
Mean	57.55	57.46	57.98	56.29	56.92	58.29	26	25.7	29.8	30.5	28.2	26.9	31.6	25	84.8	85.5	68.2	64.5	73.2	80.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	78.6

Day.	Wind.										Clouds.				
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.		2 p. m.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction.	Amount.	Form and direction.
													Upper. Lower.		Upper. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*		*0–10*	
1	W	SW	SSW	SSW	Calm	SW	95.8	98.8	49.4	43.7	287.7	10	---------- cu.-N. WSW	7	A.-Cu. Cu.
2	Calm	Calm	SSW	SSW	SW	SSW	24.1	44.5	69.7	55.8	194.1	6	Ci. S.-Cu.	7	Ci.-S. Cu.
3	Calm	Calm	Calm	SW	Calm	SW	29.6	15.1	41.8	44.6	131.1	10	---------- N.	10	---------- Cu.-N.
4	Calm	SSW	SSW	SW	WSW	Calm	21.4	48.3	73.4	27.6	170.7	10	---------- Cu.-N.	4	Ci.-S. Cu. WSW
5	SW	Calm	WSW	SSW	Calm	SSW	39.6	59	54.1	33.2	185.9	7	Ci. N.	1	Ci. Cu.
6	Calm	Calm	SW	SW	WSW	SW	37.8	45.3	72.2	24.4	179.7	4	Ci. Cu.-N.	4	Ci.-S. Cu.
7	SW	SSW	SW	WSW	SW	Calm	32.2	51.7	74	36.4	194.3	10	Ci.-S. Cu.-N.	1	Ci.-S. Cu.
8	SW	Calm	WSW	SW	SSW	Calm	42.4	58.7	67.6	29.5	198.2	8	Ci.-S. Cu.-N.	8	Ci.-S. Cu.-N.
9	SW	S	WSW	WSW	SSW	Calm	46.4	41.8	71.1	33.8	193.1	10	---------- Cu.-N.	0	Ci. Cu. SW
10	SW	WSW	SSW	SSE	WSW	SW	32.8	56.8	62.6	40.8	193	10	---------- N.	8	Ci.-S. Cu.
11	SW	SW	WSW	SW	SW	SW	94.8	106.7	107.8	74	383.3	1	A.-Cu. Cu.-N.	6	Ci. Cu.
12	SW	SSW	WSW	WNW	SSW	SW	96.6	110.7	127.1	64.4	398.8	5	Ci. Cu.-N.	5	A.-Cu. Cu.
13	SW	SW	SW	WSW	SW	WSW	78.4	89.6	79.1	51.2	298.3	4	Ci.-S. Cu.	1	Ci.-S. Cu.
14	SW	Calm	SSW	W	SW	SW	42.1	56.6	83.4	44.6	226.7	4	Ci.-S. Cu.	1	Ci.-S. Cu.
15	Calm	Calm	SSW	WNW	Calm	SW	34.6	42	53.3	28.7	158.6	1	Ci.-S. Cu.	1	Ci. Cu.
16	WSW	Calm	WSW	W	SSE	SW	31.9	47.5	50.2	20.7	150.3	1	Ci.-S. Cu.-N.	1	Ci. Cu.
17	Calm	WSW	WSW	WNW	SW	Calm	38.1	71.9	59.8	20.9	190.7	8	A.-Cu. Cu.-N.	1	Ci. Cu.-N.
18	WSW	Calm	W	WSW	SW	Calm	50.1	31.6	57.3	22	161	10	---------- N.	8	A.-Cu. Cu.-N.
19	Calm	Calm	SW	SW	WSW	Calm	31.1	51.8	81.6	44.3	208.8	1	Ci. Cu.-N.	1	Ci. Cu.
20	W	Calm	WSW	SSW	Calm	Calm	30	56.1	64.9	26	177	9	Ci. S.-Cu.	1	Ci. Cu.
21	S	Calm	WSW	SSW	Calm	SSW	53.4	34	30.4	61.4	179.2	10	---------- Cu.-N.	9	Ci.-S. Cu.-N.
22	SW	Calm	WSW	SW	Calm	SW	37.8	46.7	85.6	46.7	216.8	9	Ci.-S. Cu.-N.	3	Ci.-S. Cu.
23	WSW	SW	SW	WNW	SSW	Calm	79.7	101.4	82.6	30.1	293.8	10	---------- N.	9	Ci.-S. Cu.-N.
24	WSW	SSW	SW	SW	SW	SW	80.7	67.1	99.3	96.9	344	9	---------- N.	9	---------- Cu.-N.
25	SW	SSW	SW	SW	SW	SW	83.1	129.5	139.8	94.4	446.8	9	---------- S.-Cu.	8	Ci.-S. Cu.
26	SW	SW	SSW	SSW	SW	WSW	83.5	98.8	110	92	374.3	7	Ci.-S. Cu.	4	Ci.-S. Cu.
27	SSW	S	W	WSW	SW	SW	80.5	91.7	105.6	85.6	363.4	7	Ci.-S. Cu.	3	Ci.-S. Cu.
28	SW	SW	WSW	WSW	SW	SW	71.8	100.3	109.6	52.3	334	1	Ci.-S. Cu.	1	Ci. Cu.
29	Calm	SW	WSW	SW	WSW	SW	43.8	86.7	93.1	78.9	312.5	1	Ci. Cu.	4	Ci. Cu.
30	SSW	SSW	WSW	S	SSW	SSW	76.4	84.8	104.6	95	360.8	4	Ci.-S. Cu.	5	Ci.-S. Cu.
31	SW	WSW	SW	SW	SW	SSW	86.9	108.1	129.7	105.7	430.4	9	A.-Cu. Cu.-N. W	5	Ci.-S. Cu.
Mean	------	------	------	------	------	------	55.1	68.8	80.3	51.8	256	6.6	---------- ----------	4.4	---------- ----------
Total	------	------	------	------	------	------	------	------	------	------	7,937.3	----	---------- ----------	----	---------- ----------

SURIGAO.

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

SEPTEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 a. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	54.55	54.35	55.53	54.05	54.59	55.93	28.2	28	30	31.1	29.1	28.2	33	27.7	69	65	56	52	66	79	3
2	55.61	56.34	56.29	55.39	55.88	56.76	28	25.6	28.7	30.3	29	28.6	30.5	24.5	72	73	76	63	61	68	
3	56.55	56.88	57.40	55.87	56.63	58.05	26.6	25.5	32.2	32	29.5	28	34.4	25.3	82	84	46	47	60	73	
4	57.91	58.11	58.33	56.39	56.80	57.78	24.7	24.5	30.6	33.6	29.1	25.5	34	24.2	92	87	78	40	69	87	
5	57.21	57.43	58.30	56.94	57.39	58.66	24	23.6	29.7	29.1	27.6	26.4	31.5	23.4	89	89	73	74	84	90	2.8
6	57.71	57.63	58.49	57.02	57.13	58.40	25.4	25	26	24.8	24.1	24.4	27.1	23.8	97	88	92	94	95	91	34.6
7	56.83	56.33	56.48	55.17	56.34	56.93	24	23.9	24.7	25.5	24.5	23.5	25.9	22.6	90	89	94	89	92	95	22
8	56.85	57.22	58.07	56.83	57.42	59.16	23.3	23.2	30.3	30.4	27.7	26	31	22.7	96	98	61	63	73	84	
9	58.28	58.33	58.98	57.28	57.86	59.48	25.9	25.6	30.6	31.5	28.5	27.9	32.1	25.1	84	85	58	56	68	81	
10	58.31	57.96	58.26	57	57.15	58.16	27.1	26.9	30	30.6	28.5	27.6	32	26.6	83	80	69	65	73	79	
11	57.32	57.62	57.50	56.05	55.65	57.66	27.2	27	31	31.1	28.3	27.5	32.2	26.7	82	81	67	56	69	81	4.1
12	57.30	57.51	57.84	55.74	56.50	57.52	27.3	25.7	30.1	31.2	27	27.9	31.5	25.5	81	90	74	66	81	73	.8
13	56.46	56.47	57.28	54.99	55.11	56.54	27.8	27.7	30.1	29.6	28	28	31.4	27.5	71	70	68	68	74	80	
14	54.96	55.02	55.42	53.47	53.43	54.47	27.6	27	28.5	28.5	28	27.5	29.9	26.4	81	81	78	74	73	76	2.3
15	52.82	53.43	54.30	52.63	53.06	55.25	27.7	27.5	28.4	31.1	27.5	27	31.9	25.6	73	74	77	62	77	81	8.1
16	55.06	55.88	56.55	54.74	55.65	57.16	27.6	25.5	29.7	30	27.6	26.4	30.5	24.4	73	88	69	68	73	82	1.1
17	56.36	56.33	57.31	56.86	56.74	57.81	27.9	26.3	31.1	30.5	27.5	27.5	32.6	26	71	82	60	62	76	73	
18	57.50	56.28	56.73	55.16	55.65	56.51	27.2	27	30.2	30.1	28.5	27.6	32.5	27	78	81	67	64	71	80	
19	55.46	55.23	55.89	54.31	54.41	56.89	27.3	27.1	31	30.8	28	27.4	31.6	26.6	79	76	63	60	77	81	
20	55.51	55.95	56.64	55.30	56.11	58.01	27	27	29.5	30.9	27.5	27.2	32.6	26.6	80	81	68	59	76	83	
21	56.82	57.62	58.26	56.59	57.75	59.03	27.1	26.9	30.1	29	27.5	25	31	24.5	81	78	68	74	78	88	
22	58.83	59.17	59.61	57.93	58.80	60.39	24.3	24.9	29.6	30.6	27.5	24.9	32.4	24	97	92	77	70	81	88	
23	58.77	59.34	59.74	57.78	59.04	59.71	25.3	25.6	30.7	30.9	25	24	32.7	23.6	88	91	69	60	92	95	7.9
24	58.38	58.40	58.86	56.72	57.32	58.56	23.7	23.5	29.4	28.1	26.6	25.1	30.5	23	97	96	76	80	86	92	
25	57.53	57.65	58.25	55.98	56.72	57.18	24.3	24	30.4	31	27.5	26.4	31.6	23.3	95	96	68	67	80	86	2.3
26	56.64	56.14	57.56	55.14	56.08	57.28	25.1	26	26.7	29.6	27.6	27.4	30.2	25	91	85	87	70	81	82	2.3
27	57.06	56.57	57.78	55.91	57.29	58.44	26.7	26.5	31.2	30.5	28.3	26.2	33.6	24.9?	82	84	62	64	75	90	24.4
28	58.37	58.42	59.12	56.99	57.71	58.51	24.5	24.2	31.5	30.7	27.3	25.6	32.4	23.9	95	96	62	69	75	84	
29	57.83	57.96	58.90	57.11	57.71	58.66	24.3	25	30.7	30.7	27.5	26.4	32.1	24	88	90	70	71	78	84	
30	57.17	57.98	57.66	56.19	56.94	59.52	24.2	23.5	32.2	30.7	28	26.7	32.5	23.3	94	93	60	68	70	83	22.1
Mean	56.87	56.98	57.58	55.92	56.50	57.81	26	25.7	29.8	30.2	27.6	26.6	31.6	24.9	84.4	84.8	69.8	65.8	76.1	83	
Total																					137.8

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	WSW	SSW	SW	WSW	SW	78.9	84.2	118.5	86.7	368.3	6	Ci.-S.	Cu.	8	Ci.-S.	S.-Cu.
2	SSW	SSW	WSW	SSW	SSE	S	99.2	101.6	121.3	71.8	393.9	9	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.
3	Calm	Calm	SW	SW	SW	SW	43.8	43.5	92.8	43.3	223.4	8	Ci.-S.	S.-Cu.	5	Ci.-S.	Cu.
4	Calm	Calm	Calm	WSW	Calm	Calm	23.1	26	47.3	19.9	116.3	7	A.-Cu.	S.-Cu.	3	A.-Cu.	Cu.
5	Calm	Calm	Calm	Calm	Calm	Calm	26	24.6	30.6	14.5	95.7	7	Ci.	S.-Cu.	10		N.
6	Calm	NNW	S	S	N	NNE	42.8	51.5	32.8	49.9	177	10		N.	10		N.
7	NW	WNW	Calm	SSW	ESE	Calm	47.8	36.7	36.7	24.6	145.8	10		N. WNW	10		cu.-N.WSW
8	Calm	SSW	SW	SSW	WSW	SW	36.8	65.4	97.4	40.8	240.4	1	A.-Cu.	Cu.-N.	1	A.-Cu.	Cu.
9	SW	Calm	WSW	SW	SW	SW	27.7	64.9	77.5	53.7	223.8	0	Ci.-S.	Cu.	0	Ci.-S.	Cu.
10	SW	SSW	SW	SSW	WSW	SW	85	98.2	87.1	57.4	327.7	5	Ci.	Cu.-N. WSW	7	Ci.-S.	Cu.
11	SW	SW	SSW	W	SW	WSW	84.2	83.9	124.7	82.4	375.2	3	Ci.	cu.-N. WSW	2	Ci.-S.	Cu.
12	SW	WSW	SW	SSW	SSW	SW	93.1	104	118.8	105.7	421.6	10		N. WSW	8	Ci.-S.	Cu. WSW
13	SW	SW	SSW	W	WSW	WSW	119.9	145.6	169.4	152.9	587.8	10		Cu.-N.	9	Ci.-S.	Cu.
14	SW	SW	SSW	SSW	SW	SW	157.2	137.9	167	159	621.1	10		cu.-N. WSW	10		N. WSW
15	SW	SSW	SSW	SW	SW	SW	153.7	125	143.7	75.1	497.5	10		cu.-N. WSW	8	Ci.-S.	Cu.
16	SW	SSW	SSW	SW	SW	Calm	90.9	90.1	94.1	40	315.1	10		Cu.-N.	5	Ci.-S.	Cu. SW
17	SW	Calm	SSW	SW	SW	SSW	68.1	70.8	125.8	104.4	369.1	9	Ci.-S.	S.-Cu.	7	A.-Cu.	Cu.
18	SW	SW	SW	SW	SW	WSW	106.5	130.4	119.9	113.7	470.5	2	Ci.-S.	Cu. SW	8	Ci.-S.	Cu.
19	SW	SW	SW	SW	SW	SW	109.2	114.8	130.2	127.6	481.8	9	Ci.-S.	cu.-N. WSW	8	Ci.-S.	Cu.
20	SW	SW	SW	SW	SW	SW	83.7	95.8	119.6	57.1	356.2	8	Ci.-S.	Cu.-N.	5	A.-Cu.	Cu. SW
21	SW	SW	SW	SW	SW	Calm	89	89.8	70.3	25.9	275	9		S.-Cu.	9	Ci.	Cu.
22	Calm	Calm	W	WSW	Calm	Calm	21.2	37.2	42.3	19.3	120	8	Ci.-S.	S.-Cu.	6	A.-Cu.	Cu.
23	Calm	Calm	SW	WNW	Calm	Calm	24.7	69	49.9	28	171.6	1	Ci.-S.	Cu.	8	A.-Cu.	Cu.-N.
24	Calm	Calm	WNW	WSW	WSW	Calm	19.1	56	50.4	18.8	144.3	10	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.-N.
25	Calm	Calm	NW	WSW	WSW	SW	18.8	57.1	68.9	38.6	183.4	8	Ci.	Cu.-N.	1	Ci.-S.	Cu.
26	SW	SSW	SW	WSW	SSW	SW	63.8	87.4	98	60.7	309.9	10		cu.-N. WSW	7	Ci.-S.	Cu.-N. WSW
27	Calm	Calm	WSW	W	WSW	SSW	48.3	54.5	64.2	33	200	6	Ci.-S.	Cu.-N. SW	1	Ci.-S.	Cu.
28	Calm	SSW	SW	W	SSW	Calm	22.7	45.7	52.8	21.5	142.7	8	Ci.-S.	S.-Cu.	7	Ci.-S.	Cu.
29	SSW	Calm	SW	SW	SSW	Calm	35.7	60.6	77.2	30	203.5	2		Cu.-N. SW	8		Cu.-N. SW
30	Calm	Calm	SW	W	Calm	Calm	15.6	44.6	59	23.9	143.1	0	Ci.	Cu.	0	Ci.	Cu.
Mean							64.6	76.6	89.6	59.3	290.1	6.9			6.3		
Total											8,701.7						

SURIGAO.

[$\phi = 9°\ 48'$ N; $\lambda = 125°\ 29'$ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

OCTOBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.[a]								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.47	58.73	58.71	57.46	58.46	59.35	22.1	24.3	31.1	31	27.5	25	32.5	22	99	91	59	68	76	94	------
2	59.09	59.50	60.01	58.36	59.41	60.76	23.6	23	32	31	28.3	25.6	32.9	22.6	95	95	69	69	83	92	------
3	59.65	59.71	60.36	58.01	59.23	60.02	24.4	24.1	30.9	31	28	25.9	32.5	23.7	97	96	66	65	81	90	------
4	58.77	59.22	59.73	57.85	58.17	59.29	25	24.4	29.5	28.5	27.4	25.1	31.9	23.7	92	94	74	78	85	95	0.8
5	58.09	58.48	59.13	56.81	58.15	59.36	24.6	24.3	31.4	31.4	27.6	25.4	32.6	23.8	94	95	68	63	84	91	1.5
6	58.32	58.35	58.99	57.05	58.56	59.72	25	24.8	29.6	29.8	27.5	25	30.2	24.3	92	94	73	73	81	88	8.6
7	59.28	59.52	60.31	58.31	59.10	60.06	24.8	24.1	27.1	29.4	26.5	26.4	30.4	23.5	88	91	87	72	77	79	2
8	59.02	59.96	60.19	57.84	58.85	60.29	26.7	26.6	31.5	30.5	27.1	24.8	31.9	24.7	78	80	63	65	77	85	2
9	58.87	59.12	59.73	57.41	58.21	59.21	24.5	24.4	29.7	30.1	27.1	25.6	31.9	23.8	96	95	78	69	79	93	3
10	58.41	58.66	58.91	56.51	57.51	58.11	24.5	24	31.8	30	27.4	25.3	32	23.5	97	96	61	69	79	85	8.9
11	57.83	57.95	59.10	56.06	56.61	58.17	24	23.6	27.7	30.6	27.5	27.5	31.5	23.4	95	95	88	72	81	82	2.3
12	57.52	57.58	58.85	56.36	57	57.96	26.9	26.6	28	30.8	27.8	27.7	31.1	26.1	87	90	85	71	84	83	2.8
13	53.92	57.03	57.86	54.96	55.46	55.86	26.2	26.6	28	28	27.7	27.5	28.5	26.2	92	83	80	82	78	77	------
14	54.01	53.79	53.41	52.42	52.20	50.93	26.8	27	27.1	25.1	25.3	------	[b]27.5	[b]23.5	85	85	91	92	94	------	85.1
15	47.30	43.93	39.71	44.49	49.66	52.50															129.3
16	52.41	54.35	54.76	54.71	55.74	57.54															13.2
17	57.17	58	58.80	56.67	58.34	59.66															
18	59.29	59.88	59.44	57.40	58.75	60.26															
19	59.21	59.70	60.10	57.56	58.49	59.14															
20	58.03	58.60	58.76	56.51	57.70	58.57															
21	57.83	58.84	58.99	57.13	58.54	59.65															1
22	53.41	58.63	59.04	56.61	57.69	58.74															10.2
23	57.71	58.38	58.75	56.03	57.36	57.98															1.3
24	57.24	58.12	58.61	56.26	57.18	57.91															85.8
25	57.13	57.88	58.11	56.24	57.40	58.33															1.8
26	57.54	57.66	58.40	56.66	57.79	59.31															
27	58.41	58.92	59.83	58.08	58.75	59.45															
28	59.16	59.37	60.01	58	59.18	59.34															4.3
29	58.40	58.42	59.96	57.41	58.51	59.70															21.1
30	58.75	58.98	59.54	57.71	59.01	60.13															
31	59.61	59.73	60.66	58.24	59.13	59.17															17
Mean	57.70	57.97	58.35	56.49	57.62	58.60	24.9	24.8	29.7	29.8	27.3	25.9	31.2	23.9	91.9	91.4	74.4	72	81.4	87.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	402

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	Calm	WNW	WNW	Calm	Calm	40.2	43.3	40.7	21.2	145.4	1	A.-Cu.	Cu.	0	Ci.	Cu.
2	SW	Calm	Calm	WNW	Calm	Calm	31.1	28.8	36.2	20.7	116.8	0	Ci.	Cu.	1	Ci.-S.	Cu.
3	Calm	SSW	WNW	W	WSW	W	28	36.7	67.4	22.7	154.8	1	A.-Cu.	Cu.	0	Ci.	Cu.
4	Calm	Calm	Calm	WNW	WSW	Calm	23.3	25.5	37.3	17.1	103.2	8	Ci.-S.	S.-Cu.	8	A.-Cu.	N.
5	Calm	SSW	WSW	WNW	Calm	SW	25.2	41.3	47.3	30.3	144.1	7	Ci.-S.	Cu.-N.	4	Ci.-S.	Cu.
6	SW	Calm	WSW	SW	Calm	Calm	34.9	52.3	54.5	39.7	181.4	10	----------	N.	8	A.-Cu.	Cu.-N.
7	Calm	SW	WSW	SW	W	SSW	30.3	69.5	119.1	70.6	289.5	10	----------	N.	8	A.-Cu.	Cu.
8	SW	WSW	SSW	SW	Calm	Calm	62.8	57.4	56.1	27.1	203.4	9	A.-Cu.	cu.-N. WSW	5	Ci.-S.	Cu.
9	SW	Calm	ENE	WSW	SW	Calm	25.4	31.1	59.2	36.7	152.4	6	Ci.	cu.-N. WSW	8	Ci.-S.	Cu.-N.
10	SW	Calm	SSW	WSW	WSW	Calm	28.4	46.4	67.4	20.1	162.3	1	Ci.	Cu.-N.	2	Ci.-S.	Cu.
11	SW	Calm	WSW	WSW	SW	WSW	30.9	32.4	61	60.2	184.5	4	Ci.	Cu.	3	A.-Cu.	Cu.
12	SW	WSW	WSW	SSW	SW	SW	55.3	41.2	70.2	45.1	211.8	10	----------	N.	6	Ci.-S.	cu.-N. WSW
13	SW	W	WNW	WSW	W	WSW	55.8	79.2	84.3	92.7	312	9	----------	S.-Cu.	9	Ci.-S.	Cu.-N. W
14	SW	W	WSW	WNW	W	W	124.7	131.5	127.1	152.1	535.4	10	----------	N. NWbyN	10	----------	N. NWbyN
15	W	W	S	SSW	S	S	237.3	-----	-----	-----	------	10	----------	N. WbyN	10	----------	N. SSW
16	Calm	Calm	SSW	SSW	SSW	Calm	-----	-----	-----	-----	------	10	----------	Cu.-N. SSW	10	----------	N. SSW
17	Calm	SSE	ENE	WSW	Calm	Calm	-----	-----	-----	-----	------	5	A.-Cu.	Cu.	4	Ci.-S.	Cu. SSW
18	Calm	SW	NW	NW	NE	Calm	-----	-----	-----	-----	------	7	----------	N.	0	Ci.-S.	Cu.
19	Calm	Calm	N	NNW	ENE	Calm	-----	-----	67.1	37	------	9	----------	Cu.-N. N	3	A.-Cu.	Cu.
20	SW	SW	NWbyN	NNW	W	Calm	32.2	39.7	52	30.8	------	0	Ci.	Cu.	0	----------	Cu.
21	SW	W	NNW	WNW	NW	W	34	44	63.9	39.6	181.5	10	----------	N.	1	Ci.-S.	Cu.
22	WSW	Calm	NNW	NW	Calm	Calm	32.5	44.5	40.8	18.2	136	0	Ci.	Cu.	1	Ci.-S.	Cu.
23	Calm	Calm	WNW	W	WSW	Calm	29.3	39.7	70.3	30.6	169.9	9	Ci.	N.	1	Ci.-S.	Cu.
24	W	Calm	WSW	W	W	WSW	35.7	75.6	59.8	39.6	210.7	3	Ci.	Cu.-N.	2	Ci.-S.	Cu.-N.
25	W	SSW	Calm	WSW	W	SW	56.5	32.8	75.3	42	206.6	10	----------	N.	7	Ci.-S.	Cu.-N.
26	WSW	Calm	NW	W	Calm	Calm	40.5	42.6	52.8	25.9	161.8	3	Ci.	Cu.-N.	1	Ci.-S.	Cu.-N.
27	Calm	Calm	E	NE	E	E	28.4	50.5	77.4	56.5	212.8	0	Ci.	Cu.	1	Ci.	Cu.
28	ENE	Calm	Calm	NW	Calm	SSW	28.8	34.8	63.8	33.2	160.6	0	Ci.	Cu.	2	Ci.-S.	Cu.-N.
29	Calm	SSW	ENE	Calm	Calm	SSW	29.2	51.3	21.5	31.7	133.7	9	----------	Cu.-N.	8	A.-Cu.	Cu.-N.
30	Calm	SW	ENE	NW	Calm	Calm	32.4	40.8	48.1	34.4	155.7	0	Ci.	Cu.	0	Ci.	Cu.
31	SW	SW	N	WNW	Calm	Calm	31.6	38.3	49.3	31.9	151.1	1	Ci.-S.	Cu.-N.	0	Ci.	Cu.
Mean	------	------	------	------	------	------	46.1	48.1	61.8	41	191.1	5.5	----------	----------	4	----------	----------

[a] The thermometer-shelter was destroyed during a typhoon on October 15th.
[b] Deduced from five observations.

SURIGAO.

[$\phi = 9°\ 48'$ N; $\lambda = 125°\ 29'$ E; barometer above sea, 6 meters; gravity correction not applied, −1.86 mm.]

NOVEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.93	58.22	58.57	56.56	58.17	59.30	------	------	------	------	------	------	------	------	------	------	------	------	------	------	7.4
2	59.35	59.71	59.68	57.64	59.17	60.45	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
3	59.57	59.68	59.93	57.78	59.01	60.22	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
4	58.83	59	59.68	57.46	58.15	59.98	------	------	------	------	------	------	------	------	------	------	------	------	------	------	5.1
5	58.14	57.99	58.79	56.49	55.74	55.45	------	------	------	------	------	------	------	------	------	------	------	------	------	------	228.6
6	51.56	54.89	56.62	55.28	56.76	58.38	24.5	24.5	29.2	29.1	27.8	27	29.6	22.7	92	91	67	76	82	78	------
7	57.95	58.69	59.31	57.74	58.83	59.65	22.7	25.5	28.5	29.2	25.9	25.7	29.8	22.3	96	88	82	74	93	93	26.9
8	59.33	59.62	60.66	58.30	58.94	59.72	25	23.6	28	28	25	23.7	29	23	90	97	85	68	88	97	36.8
9	58.74	58.53	59.04	57.05	57.50	58.58	23	23.8	29.2	28.6	26.5	25.9	30	22.9	97	95	77	78	85	91	5.6
10	58.07	58.14	58.58	56.73	57.86	58.97	24	24.2	28.1	30	27.1	26.6	30.5	23.4	97	95	83	72	85	86	10.4
11	58.14	58.88	59.36	57.99	58.72	59.52	26	24.4	30.5	29.2	27.7	25.5	31	23.7	85	94	72	79	80	92	.3
12	59.13	59.28	59.81	57.84	58.40	58.85	24.4	23.5	30.8	30.9	27.8	26.5	31.3	23.4	97	96	71	73	83	88	------
13	58.14	58.38	58.95	56.97	57.84	58.56	26	24	30.5	31.1	27.5	25	31.5	23.6	89	93	68	62	80	91	------
14	58.03	58.25	59.03	57.31	57.90	59.04	23.8	23.4	30.2	29.8	27.4	25	31.6	23	97	94	70	72	78	88	------
15	58.43	59.29	59.71	57.61	58.25	59.34	23.7	24	30.6	29.5	27.6	26.7	32	23.5	95	96	67	75	83	87	------
16	58.11	58.88	59.76	57.59	58.45	59.14	24.9	24.1	30.7	31.2	27.5	27.1	31.7	23.4	92	94	70	68	84	85	------
17	58.14	55.38	59.13	57.30	58.02	58.88	24.5	24.1	31	27	26.3	26.2	31.3	23.8	94	96	62	88	90	90	51.3
18	57.88	58.11	58.84	56.66	57.61	58.46	24.5	26.1	29.7	29.8	27.6	24.5	32	24	95	89	71	73	80	94	------
19	57.85	58.08	58.61	56.45	56.99	58.33	23.8	23.2	27.7	28.5	27.5	25.3	30	22.9	93	96	79	78	78	90	.3
20	57.45	57.64	58.13	56.15	56.43	57.29	24.4	23.7	28.6	29.1	27.1	25.5	30.4	23.6	92	95	72	74	80	88	7.4
21	57.03	57.19	57.67	55.86	56.56	58.13	24.7	23.5	28.5	30	27.2	24	31.2	23.4	93	96	73	59	72	86	------
22	56.99	57.25	58.13	56.20	57.20	58.21	23.7	23.4	28	29.3	26	25.1	30.5	23.1	88	92	79	76	92	96	65.8
23	56.82	56.68	57.76	55.06	56.14	56	24.1	26	25.6	28.1	27.5	27.5	28.5	23.9	97	89	92	79	81	81	5.8
24	54.11	53.63	54.33	51.03	49.75	50.11	26	25.6	25	25.4	25.2	25.5	26.5	24	86	87	95	93	94	88	95.8
25	51.24	52.81	56.16	54.60	56.21	57.53	26	23.9	29.5	28.1	27	27	31	22.6	82	91	71	77	78	84	2.3
26	57.58	57.69	58.26	56.34	56.96	58.01	24.6	24.1	28.5	29.1	27.2	26	31.1	23.5	93	94	83	76	89	92	------
27	57.61	57.68	57.96	55.73	54.51	54.92	24.5	26.5	27.2	26.7	26.2	26	28	24.3	97	90	83	80	92	92	63.2
28	52.92	53.13	54.69	53.60	55.24	56.13	26.2	25	25.4	25.7	26	24.6	27.4	23	90	91	89	88	88	92	55.4
29	55.95	57.26	58.29	56.90	58.47	59.82	23	23.2	28.6	29.3	27.1	26	30.5	22.9	98	96	77	76	84	87	------
30	58.81	59.10	59.98	58.01	59.04	60.91	25.6	24.5	29.5	30.7	25.7	24.1	31.3	23.9	90	96	75	71	92	92	6.6
Mean	57.33	57.74	58.51	56.54	57.29	58.23	24.5	24.3	28.8	28.9	26.9	25.7	30.3	23.4	92.6	93.2	76.5	75.4	84.4	89.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	675

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	W	W	SW	SSW	SSW	Calm	55.8	76.6	54.4	27.9	214.7	10	------	N.	10	------	N. SSW
2	SSE	W	ENE	NNW	SSW	SSW	34	35.9	57.6	32.8	160.3	10	------	Cu.-N.	8	Ci.-S.	Cu.
3	Calm	SSW	ENE	NNW	NE	Calm	32.8	35.6	51.5	43.5	163.4	0	Ci.	Cu.	1	Ci.	Cu.
4	Calm	S	Calm	NNW	ENE	Calm	25.7	18.5	93.9	45.9	184	1	Ci.	Cu.-N. NNE	8	Ci.-S.	N.
5	N	NNW	W	WSW	W	W	57.1	93.6	92.3	120.7	363.7	10	------	Cu.-N.	10	------	N. WNW
6	SW	SSW	ENE	E	ENE	E	98.5	45.6	118.6	75.9	338.6	10	------	Cu.-N.	7	A.-Cu.	Cu.
7	Calm	ENE	ENE	ESE	Calm	E	29	92.3	89.3	69.8	280.4	10	------	Cu.-N.	6	Ci.-S.	N.
8	S	SSW	Calm	NE	SE	Calm	34.4	44.9	57.4	30.3	167	10	Ci.	Cu.-N.	9	------	Cu.-N. NEbyE
9	E	Calm	ENE	E	ENE	NE	33.5	37.2	67.8	41.2	179.7	9	A.-Cu.	Cu.-N.	3	Ci.	Cu.-N.
10	E	NE	ENE	E	NE	ENE	33	38.6	78.7	104.3	254.6	10	------	N.	1	A.-Cu.	Cu.
11	Calm	Calm	ENE	N	NEbyE	Calm	41.6	38.8	70	30.8	181.2	1	------	Cu.-N.	1	Ci.	Cu.-N.
12	Calm	SSE	ENE	ENE	ENE	S	26.9	41.6	76.9	58.9	204.3	0	Ci.	Cu.-N.	1	Ci.	Cu.-N.
13	S	Calm	ENE	ENE	NE	Calm	56.3	42.8	83.7	42	224.8	0	Ci.	Cu.-N.	1	Ci.	Cu.
14	E	SW	ENE	E	ESE	Calm	30.3	36.2	52.3	26	144.8	0	Ci.	Cu.	2	Ci.	Cu.
15	E	Calm	ENE	N	NE	ENE	28.5	51	73.2	48.5	201.2	1	Ci.	Cu.-N.	2	Ci.-S.	Cu.
16	E	SSW	ENE	ENE	ENE	ENE	28.7	55.8	88	76.7	249.2	0	Ci.	Cu.	1	Ci.	Cu.-N.
17	Calm	Calm	ENE	ESE	ENE	E	22.7	63.9	63.1	75.9	225.6	4	Ci.	Cu.-N.	10	------	Cu.-N.
18	Calm	Calm	ENE	ENE	NNE	Calm	33.5	57.7	97.4	42.8	231.4	3	Ci.-S.	Cu.-N.	3	Ci.	Cu.-N.
19	SSW	SW	NNW	NNW	Calm	WSW	33.5	74	64.2	35.7	207.4	1	Ci.	Cu.-N.	8	A.-Cu.	Cu.-N.
20	Calm	WSW	NNW	NW	WSW	Calm	32.2	54.9	45.7	25.1	157.9	3	Ci.	Cu.-N. N	8	Ci.-S.	Cu.-N.
21	SW	SSW	NNW	WNW	Calm	SSW	36.2	51.5	42.1	30.3	160.1	0	Ci.	Cu.	0	Ci.	Cu.
22	SW	SW	NNW	Calm	Calm	WNW	36.7	48.1	31.9	56.1	172.8	6	Ci.	Cu.-N. NNW	9	A.-Cu.	Cu.-N.
23	NW	NW	NNE	NW	NW	WNW	88.5	150.7	120.1	84.7	444	10	------	N.	9	Ci.-S.	Cu.-N. NNE
24	NW	W	WNW	WSW	WSW	SW	91.4	90.9	186.8	311.2	680.3	10	------	Cu.-N.	10	------	N. W
25	SSE	SSW	Calm	WSW	WSW	Calm	99.6	33.6	54.2	40.7	228.1	9	------	Cu.-N. S.	8	A.-Cu.	Cu.-N.
26	Calm	N	NNW	Calm	Calm	Calm	22	48.9	37.2	23	131.1	9	------	Cu.-N.	4	Ci.-S.	Cu.-N.
27	NW	NW	NW	NNW	NW	NE	43.7	90.4	109.4	169.8	413.3	10	------	Cu.-N.	10	------	N. N
28	NE	E	E	ESE	SE	Calm	246.7	160.9	95.5	41.5	544.6	10	------	Cu.-N. ESE	10	------	N.
29	SE	SSW	Calm	ENE	ENE	Calm	29.6	32.8	50.4	32	144.8	10	------	S.-Cu.	8	A.-Cu.	Cu.
30	Calm	Calm	ENE	ENE	SSE	SE	18.8	35.1	63	62.6	179.5	7	A.-Cu.	Cu.-N.	4	Ci.	Cu.-N.
Mean	------	------	------	------	------	------	49.4	59.3	75.6	63.6	247.8	5.8	------	------	5.7	------	------
Total	------	------	------	------	------	------	------	------	------	------	7,432.8	----	------	------	----	------	------

SURIGAO.

[$\phi = 9°\ 48'$ N; $\lambda = 125°\ 29'$ E; barometer above sea, 6 meters; gravity correction not applied, −1.86 mm.]

DECEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.75	60.97	61.12	59.63	60.67	61.53	23.8	23.7	28	29.4	26.7	23.4	30.1	23.1	91	95	76	71	79	93	------
2	60.46	60.77	61.46	58.63	59.21	60.27	22.8	22.5	28.5	27	27.1	24.4	30	22.3	96	96	75	80	83	92	------
3	58.79	58.39	59.16	56.76	57	57.90	23.9	23.6	27.9	29.2	26.4	27	30.2	23.2	91	95	74	64	82	78	------
4	57.13	57.29	58.07	56.35	56.98	58.70	26.1	25.9	28.9	29.5	26.7	26	29.9	25.1	80	78	65	61	79	76	------
5	57.53	57.98	59	57.04	57.71	59.30	24.1	23	30.5	30.1	26.6	23.1	32.5	22	89	92	59	62	65	85	------
6	58.76	59.06	59.69	58.04	59.06	60.30	22	21.6	29.6	30	27.5	25.8	30.7	21.4	93	96	65	69	74	85	------
7	59.42	60.09	60.61	58.76	59.26	60.16	25.7	25.5	28.5	28	27	26.5	29.5	23.4	82	84	73	68	80	76	------
8	59.31	59.54	60.45	58.61	59	59.92	25.6	25.9	27.5	27.2	26	23.9	28.6	23.3	81	75	70	72	80	94	0.5
9	59.29	59.63	60.49	58.50	59.20	59.53	23.6	23.4	27	27.7	26.1	25	29.1	23	94	94	88	79	90	94	23.1
10	59	59.28	60.29	58.36	59.16	59.81	24.6	24.5	27.7	26.2	25.6	25	29.1	24.2	93	96	84	88	91	89	16
11	59.46	59.62	60.63	58.74	59.16	60.66	24.2	24	29.1	28.7	27	25.7	30.5	23.8	94	96	70	70	80	87	9.9
12	59.53	59.88	60.71	59.06	59.15	60.27	23	24.5	27.6	28	26.5	26	29	22.9	97	87	79	77	88	92	9.4
13	59.51	60.03	60.64	59.16	59.87	60.57	24.7	23.6	29	26.2	26.2	25.6	30.2	23.5	94	96	79	90	90	94	7.6
14	59.59	60.30	61.19	59.20	60.03	60.51	26.3	25.1	26.2	26.7	24.5	24.8	27.5	23.5	89	94	90	86	95	93	35.8
15	59.47	59.80	60.87	58.80	59.94	60.67	23.6	25.9	28	29.4	26.9	26.4	29.9	23.6	98	86	79	74	84	87	3.3
16	59.69	59.83	60.61	58.54	59.40	60.23	25.8	24.9	25.2	26.5	25.7	25.3	27.4	24	91	92	90	84	86	88	25.1
17	59.33	59.73	60.14	58.41	59.36	59.81	24.4	22.7	29.5	28	24.4	23.5	30	22.3	92	97	69	74	94	99	4.6
18	59.08	59.37	59.79	57.38	57.54	58.40	22.4	21.5	27.8	29	25.6	22	30.1	21.4	99	97	71	62	72	92	------
19	58.26	58.30	59.16	57.47	58.51	59.13	20.7	21.5	27.8	29.1	25.7	22.6	20	20.5	97	89	68	62	78	92	------
20	58.44	58.70	59.22	57.51	58.27	59.17	21.5	21.2	28	28.5	27.1	26.5	30.2	20.8	94	95	68	71	81	86	------
21	58.17	58.44	59.10	57.46	57.77	59.12	24.8	24.2	28.6	28.4	26.2	25	30	24	91	94	76	80	87	92	3.8
22	58.30	59.03	59.82	57.80	58.78	60.16	24.4	24.6	28.5	28.9	27.1	26	30.5	24	97	95	81	76	83	85	1.8
23	59.21	60.26	60.28	58.94	60.41	61.08	25.1	23.6	26	26.1	23.4	23.1	28.1	22.9	92	95	85	88	93	96	36.8
24	59.29	59.20	60.10	58.14	59	60.17	23	23	28.9	29.5	27	25.6	30	22.8	96	97	74	70	77	87	21
25	59.36	59.24	59.87	58.81	59.91	60.52	24.1	24	25.9	25.5	24	23.2	27.1	22.7	95	95	89	92	92	97	26.7
26	59.65	59.91	60.66	58.55	59.56	60.37	25.3	25	28.5	29.5	25.2	26	30.1	24	90	90	70	68	92	85	9.1
27	59.55	59.87	60.44	58.89	59.54	60.17	24.7	23.7	29.5	30	26.4	25.2	30.8	23.3	92	96	74	65	84	90	3.3
28	59.87	60.08	61.21	58.95	59.93	60.59	23.8	23.5	27.6	30.1	27	25.7	31	23.2	96	96	79	67	85	87	------
29	59.92	60.72	62.15	59.53	60.46	61.27	26.1	23.5	24.5	27.9	26.5	26.2	29.6	23.4	85	96	92	77	81	79	4.4
30	60.49	60.71	61.49	59.25	59.71	60.49	26	24.8	28.5	29.6	26.7	25.6	30	24	79	86	75	67	80	88	30.2
31	59.31	59.44	60.54	58.41	59.06	60.16	24.1	26	27.3	28.2	26.2	26.1	29.9	23.5	98	92	85	80	90	91	------
Mean	59.22	59.53	60.29	58.38	59.12	60.03	24.2	23.9	27.9	28.3	26.2	25	29.7	23.1	91.8	92.3	76.5	74	83.7	88.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	272.4

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	SSW	Calm	NE	ENE	Calm	42.9	21.4	34	30.9	129.2	10	----------	N.	1	Ci.	Cu.
2	Calm	SE	NNE	NNW	NNW	NW	27.7	35.4	62.6	31.1	156.8	1	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N.
3	NW	SWbyW	NW	WNW	WSW	WSW	35.6	65.5	59.5	75.4	236	1	----------	S.-Cu.	4	Ci.-S.	Cu.-N.
4	WSW	WSW	WSW	SW	W	WSW	76.1	104.3	85.8	47.3	313.5	1	Ci.	cu.-N. WSW	2	Ci.-S.	Cu.
5	SW	Calm	SW	WSW	WSW	SW	28.7	55.3	74.2	32	190.2	0	Ci.	Cu.-N.	0	Ci.	Cu.
6	SW	SSW	ENE	NNW	NE	Calm	39.1	36.7	35.6	26.9	138.3	0	Ci.	Cu.	1	Ci.	Cu.-N.
7	N	Calm	NNW	NE	ENE	NNE	60.6	73.2	59.8	90.1	283.7	1	Ci.	Cu.-N.	8	A.-Cu.	Cu.-N.
8	N	NNE	NNW	NNW	Calm	Calm	88	90.4	85.3	40.8	304.5	7	A.-Cu.	Cu.-N.	7	A.-Cu.	Cu.-N.
9	NNE	Calm	Calm	NNW	E	E	29.6	50.5	72.4	72.4	224.9	10	----------	N. NNE	4	Ci.-S.	cu.-N. ENE
10	ENE	Calm	ENE	Calm	ENE	E	70.2	50.2	56.5	88.7	265.6	10	----------	N.	9	Ci.-S.	Cu.-N.
11	E	Calm	ENE	E	ENE	ESE	65.5	124.5	137.8	81.3	409.1	4	Ci.-S.	Cu.-N.	8	A.-Cu.	Cu.-N. E
12	E	E	ENE	Calm	ENE	NE	58.1	80.3	59.3	49.7	247.4	9	----------	N.	9	A.-Cu.	Cu.-N.
13	Calm	Calm	E	E	ENE	ESE	28.2	47.7	92.7	84.8	253.4	1	Ci.-S.	Cu.-N.	10	----------	N.
14	E	Calm	ENE	ESE	E	ENE	67.3	84.5	72.7	47.3	271.8	4	Ci.	Cu.-N.	10	----------	cu.-N. ESE
15	Calm	ENE	ENE	ENE	ENE	ENE	39.6	115.7	140.6	85	380.9	3	Ci.	Cu.-N.	9	A.-Cu.	cu.-N. ESE
16	ENE	ENE	NNE	NE	ENE	E	77.4	56.6	96.6	71.6	302.2	10	----------	N.	9	A.-Cu.	Cu.-N. E
17	E	Calm	ENE	NE	NE	ENE	30.3	44	73.4	34.8	182.5	2	Ci.	Cu.-N.	9	----------	Cu.-N.
18	S	Calm	NW	Calm	WSW	Calm	30.8	33.6	41.2	27.1	132.7	10	----------	Cu.-N.	1	Ci.	Cu.
19	S	SSW	WSW	W	Calm	SSW	40.5	46.9	56.8	29.8	174	0	Ci.	Cu.	0	Ci.	Cu.
20	Calm	Calm	NNW	NNW	Calm	E	28.8	33.2	26.4	18.8	107.2	0	Ci.	Cu.	7	A.-Cu.	Cu.-N.
21	SE	Calm	Calm	NNW	SW	SSW	30.3	25.4	51	29.3	136	4	Ci.	Cu.-N.	4	A.-Cu.	Cu.-N.
22	Calm	Calm	ENE	NNW	ENE	Calm	21.1	34.1	71.3	50.7	177.2	7	----------	Cu.-N.	1	Ci.	Cu.-N.
23	S	SSW	NNW	NNW	Calm	SSW	45.7	38.3	------	------	------	10	----------	N.	10	----------	N.
24	Calm	Calm	ENE	ENE	E	ENE	------	------	------	------	------	5	A.-Cu.	Cu.-N. NE	4	Ci.	Cu.-N.
25	E	ENE	ENE	ENE	Calm	Calm	------	------	------	------	------	10	----------	N.	10	----------	N.
26	ENE	SW	ENE	ENE	ESE	WSW	------	------	------	------	------	5	Ci.-S.	Cu.-N.	6	Ci.-S.	cu.-N. ENE
27	E	Calm	ENE	ESE	ESE	Calm	------	------	------	------	------	2	Ci.	Cu.-N.	6	A.-Cu.	Cu.-N.
28	Calm	Calm	Calm	ENE	ENE	ENE	------	------	------	------	------	7	----------	Cu.-N.	1	Ci.	Cu.
29	SE	SSW	SW	SSE	E	ENE	------	------	------	------	------	9	Ci.	Cu.-N.	9	----------	Cu.-N.
30	E	SE	NE	E	ENE	E	------	------	------	------	------	4	----------	Cu.-N.	1	Ci.	Cu.
31	Calm	ENE	ENE	ENE	ENE	E	------	------	------	------	------	10	----------	N.	7	Ci.-S.	Cu.-N. E
Mean	------	------	------	------	------	------	46.2	58.6	70.2	52.1	228	5.1	----------	----------	5.7	----------	----------

CEBU.

[$\phi = 10°\ 18'$ N; $\lambda = 123°\ 54'$ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.84 mm.]

JANUARY, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.06	59.40	60.26	57.85	58.95	59.55	24.1	24.5	27.2	28.9	26.5	25.2	29	23.3	84	83	79	64	70	78	------
2	58.78	59.91	60.51	59.06	59.82	60.56	24.6	23.6	28.4	29	26.1	24.3	29.6	23.4	80	85	72	61	71	80	------
3	60.23	60.17	61.48	59.88	60.30	60.95	23.3	23.1	28	26.5	26.1	24.4	29	22.9	78	79	71	76	75	78	1.3
4	60.42	61.17	61.69	59.84	60.22	60.58	24.1	24	28	29.1	26.2	24.6	29.5	23.1	75	76	61	60	75	77	------
5	60.18	60.47	60.81	58.94	59.70	59.79	23.7	24.5	28.7	30	27	24.9	30	23.4	76	75	66	56	70	79	------
6	59.10	59.41	60.29	58.79	59.52	59.62	25	23.5	25.1	28.5	26.6	25.6	29	23.3	83	93	96	70	80	80	9.2
7	59.22	60.07	60.59	59.13	60.06	60.58	25	23	27.5	28.5	26.2	23.4	29	22.6	77	96	60	60	75	85	5.3
8	60.14	61.06	60.90	59.06	59.80	60.26	22.4	22	27	28.4	26.5	24.5	29	21.7	82	93	73	68	73	75	------
9	60.01	60.68	60.99	58.98	59.47	60.26	22.6	21.6	29	28.4	26.6	26	31.2	20.9	83	90	62	67	77	69	------
10	59.86	61.22	61.63	59.68	60.84	61.51	24	24	28	28.7	27.2	26.9	28.9	23.5	86	88	63	59	70	70	------
11	60.56	62.08	62.71	60.46	61.71	62.24	24.7	24.2	27	28	26.7	24.1	28.2	23	86	88	73	63	67	71	------
12	61.31	61.93	62.36	59.88	61.49	62.35	23.4	23	28.9	28.8	26.9	25	29.5	22.4	73	85	67	65	74	83	7.2
13	61.36	61.88	62.60	60.25	61.20	62.61	23.8	23.3	28	28.1	27.4	26	29.2	22	70	89	63	73	70	75	------
14	60.93?	62.21	62.79	60.17	60.65	61.68	23.8	21.5	28.5	29.1	26.5	23.1	30	20.5	67	82	54	54	64	78	------
15	61.30	61.23	62.37	60.17	60.62	63.07	23.3	23	29.5	30.5	27.5	25.5	31.2	22.6	80	79	53	51	62	73	------
16	62.32	62.71	63.37	61.02	61.53	62.68	23.6	23	29	30.5	27.1	24	31.4	22.7	72	74	53	52	64	73	------
17	61.94	62.28	63.29	60.89	61.78	62.78	23.3	22	28.1	30.4	27.5	25.4	30.5	20.9	75	78	65	52	63	72	------
18	61.77	61.98	63.06	60.79	61.60	62.53	24.7	24.2	28	29.2	26.5	22.8	30	22	72	74	63	51	69	78	------
19	62.37	62.66	63.42	61.48	62.01	63.02	22.6	23	29.2	29.6	27.5	25.8	30	21.8	79	73	51	51	60	68	------
20	62.46	62.58	63.50	60.83	61.50	62.58	23.8	23.1	27.3	29.6	26.5	23.1	30	22	75	77	67	61	65	65	1.3
21	61.76	62.02	62.88	60.63	61.61	62.47	23	22	27.4	28.1	26.4	23.7	29	21.4	66	82	63	58	59	69	------
22	61.83	62.47	63.44	60.60	60.96	61.74	22.8	20	28	28.4	26.4	25.3	29.6	18.9	73	77	59	61	66	70	------
23	61.15	61.52	62.50	60.71	61	62.42	25.1	24	28.5	29	27	22.6	29.6	21	76	81	60	65	70	83	------
24	62.08	62.39	63.44	61.54	61.50	62.75	21.9	22.6	28	29	27.5	25	29.7	20.6	86	86	66	59	64	76	------
25	61.46	62.24	63.31	61.29	61.32	62.54	23.5	22.8	28.2	29	26.5	24.9	30.2	21.7	85	83	62	61	68	74	------
26	61.68	62.23	63.23	61.05	62.21	63.30	23.8	21.8	28.9	29	26.5	24	30.6	21.5	81	82	61	67	69	75	------
27	62.74	63.21	63.80	61.19	62.66	63.22	22.4	23	29.9	32	25.8	24.5	32.9	21.5	77	75	55	43	70	78	------
28	62.15	63.02	63.53	61	61.64	62.87	24.3	24.4	28.7	29.4	27.2	26	30.2	23.8	77	74	58	54	63	72	------
29	62.11	62.60	63.05	60.34	61.40	62.65	24.3	22.2	29	29.5	27	24	30.3	21.9	77	84	60	59	65	85	1
30	61.12	62.01	63.04	60.75	61.44	62.38	22.6	21.4	28.5	29.1	27.7	24.7	30.1	20.4	85	85	64	57	64	74	------
31	61.50	61.66	62.98	60.44	60.86	62.31	23.5	22.5	28.5	29.1	27.2	24	30.4	22	85	87	63	57	68	74	------
Mean	61.06	61.63	62.38	60.22	60.95	61.87	23.6	22.9	28.2	29.1	26.8	24.6	29.9	22	78.1	82.4	64	59.8	68.4	75.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	25.3

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
											Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	NNE	NE	ENE	NNE	Calm	35.4	74.1	95	32.5	237	10	Ci.	N.	6	Ci.-S.	Cu.
2	E	NNE	ENE	ENE	NE	NNE	42.1	88.5	104	55.7	290.3	1	Ci.	Cu.-N.	7	Ci.-S.	Cu.
3	N	Calm	ENE	NE	NE	NNE	40.6	84.7	108.6	59.4	293.3	6	Ci.-S.	S.-Cu.	10	Ci.-S.	N.
4	NE	N	ENE	ENE	NNE	NE	46.3	107.8	104.8	44.3	303.2	9	Ci.	Cu.-N.	4	Ci.-S.	Cu.
5	NE	NNE	NE	NNE	ENE	ENE	48	100	127.9	32.7	308.6	3	Ci.	S.-Cu.	1	Ci.-S.	Cu.
6	N	Calm	ENE	NNE	ENE	NNE	29.5	53.9	99.6	39	222	10	Ci.-S.	Cu.-N.	6	Ci.-S.	N.
7	NE	ENE	ENE	ENE	E	ENE	56	92.3	125.5	43	316.8	10	----------	N.	4	A.-Cu.	Cu.
8	E	E	ENE	ENE	E	E	33.5	74.5	109.4	32.4	249.8	4	Ci.	Cu.-N.	6	Ci.	Cu. NE
9	ENE	Calm	E	E	ENE	Calm	28	40.1	82.3	24.8	175.2	4	Ci.-S.	S.-Cu. NE	7	Ci.-S.	S.-Cu. NE
10	Calm	Calm	ENE	E	NE	Calm	26.8	52.6	88.7	29.9	198	4	Ci.	Cu. ENE	4	Ci.	Cu. ENE
11	NE	Calm	E	E	Calm	Calm	25.7	61.4	82.1?	35.4	204.6	6	Ci.-S.	Cu. ENE	7	Ci.-S.	Cu. ENE
12	NE	Calm	Calm	E	E	NE	26	-----	76.3?	42.8	------	4	Ci.	Cu. ENE	6	Ci.-S.	S.-Cu. ENE
13	NNE	Calm	NE	E	E	E	26.9	70.1	136.3	130	363.3	9	----------	N. ENE	4	Ci.	Cu. NE
14	E	Calm	NE	E	NE	Calm	29.8	64.7	129.5	28.4	252.4	6	Ci.	Cu.-N. NE	3	Ci.	Cu. NE
15	NE	Calm	NE	ENE	NE	ENE	50.6	84.2	112.7	43.4	290.9	3	Ci.	Cu. NE	2	Ci.-Cu.	Cu.
16	NE	Calm	ENE	E	NE	NE	41.2	83.2	117.3	33	274.7	2	Ci.	Cu.	3	Ci.	Cu. ENE
17	NE	Calm	ENE	ENE	N	N	32.5	89.8	128.3	53	303.6	3	Ci.	Cu. ENE	6	Ci.-S.	Cu. NE
18	NE	NE	NE	NE	NE	Calm	53.4	76.1	116.4	24.4	270.3	8	----------	Cu.-N. NE	6	A.-Cu.	Cu. NE
19	Calm	N	ENE	E	NE	NE	44.9	109.6	135.1	37	326.6	2	Ci.	Cu.	4	Ci.	Cu. ENE
20	NE	Calm	ENE	E	NE	Calm	33.2	61.2	123.5	42.3	260.2	5	Ci.-S.	Cu. ENE	4	Ci.	Cu. ENE
21	Calm	NNE	ENE	E	NE	NE	26.6	99.8	170.6	33.8	330.8	4	Ci.	N.-cf. ENE	3	Ci.	Cu. NE
22	NE	Calm	E	E	E	Calm	32.7	83.3	132.5	22.8	271.3	2	Ci.	Cu. NE	3	Ci.	Cu. NE
23	ENE	NE	E	E	E	Calm	28	81.5	109.7	18.2	237.4	3	Ci.	S.-Cu. ENE	4	A.-Cu. N	Cu. ENE
24	Calm	Calm	E	E	E	NE	25.7	81.8	104.2	33.4	248.1	2	Ci.	Cu. ENE	2	----------	Cu. ENE
25	NE	NE	E	E	E	NE	35	68.4	97.1	44.3	244.8	2	Ci.	Cu. ENE	3	----------	Cu. E
26	NE	NE	E	E	NE	NE	30.3	78.9	119.5	36.6	265.3	4	Ci.	S.-Cu. ENE	3	Ci.	Cu. ENE
27	Calm	Calm	E	NE	NNE	Calm	25.4	93.8	123.6	37.8	280.6	3	Ci.	S.-Cu. ENE	6	A.-Cu. E	Cu.-N. NNE
28	Calm	NE	E	E	NE	Calm	38.6	105.6	140.9	33.5	318.6	7	A.-Cu.	Cu.-N. NE	3	Ci.	Cu. ENE
29	Calm	Calm	E	E	N	Calm	22.8	97.1	137.9	32.4	290.2	3	A.-Cu.	Cu. NE	3	Ci.	Cu. NE
30	NE	Calm	E	E	E	NE	23.1	68.4	118.3	37	246.8	3	----------	Cu. NE	2	----------	Cu. NE
31	NE	NE	E	E	E	E	30.9	58.4	100.3	31.3	220.9	2	----------	Cu. ENE	3	----------	Cu.
Mean	------	------	------	------	------	------	34.5	79.5	114.8	39.6	269.9	4.6	----------	----------	4.4	----------	----------

CEBU.

[$\phi = 10°\ 18'$ N; $\lambda = 123°\ 54'$ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.84 mm.]

FEBRUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	61.51	61.92	62.70	60.62	60.84	62.06	22.6	23.5	28.5	29.4	27.5	23	30.4	21	80	87	67	59	66	79	------
2	61.22	61.47	62.66	60.22	60.76	62.14	21.2	21.5	30	29.9	27.5	25	31.1	21	78	78	59	67	76	76	------
3	61.17	61.78	62.56	59.63	60.48	61.47	24.7	23.3	30	29.8	27.5	25.6	30.9	22.3	77	82	61	62	66	75	------
4	60.77	61.56	62.66	60.97	62.14	62.84	25	24.9	28.4	28.8	26	24.5	30.9	23	79	78	68	55	69	84	2.3
5	61.55	62.42	63.34	61.11	62.06	63.15	24.2	23.2	26.6	29	26.5	24.5	30.2	22.5	86	93	77	64	76	84	.8
6	62.21	62.78	63.52	61.50	62.09	63.52	24.8	23.5	28.1	29.1	27	25	30	23	79	82	70	64	70	74	------
7	62.62	63.21	63.84	61.61	62.39	63.47	23	23	28	29.2	27	26	29.8	22.5	75	70	61	60	70	72	------
8	62.14	62.86	63.33	60.73	61.61	63.04	23.3	22.5	29.4	29.6	27.6	26	30.7	21.7	74	72	52	57	62	65	------
9	61.75	62.02	62.39	60.04	60.64	61.86	24.5	23.5	29.1	29.4	27.6	26	30.8	22.8	73	74	62	65	81	79	.8
10	61.07	60.97	61.42	59.46	59.80	61.37	24.7	24.4	29.4	28.9	27	25.8	31.5	23.7	87	87	68	68	75	82	------
11	60.11	60.76	61.64	59.89	60.39	61.47	24.8	23.8	28.6	29.5	28	26	30.6	23	87	86	66	64	65	72	------
12	60.28	60.58	61.18	58.84	59.19	60.61	25.4	23.8	28.9	29.3	27.6	25.2	30.2	23.5	79	83	58	59	62	78	------
13	58.98	59.59	60.60	57.95	58.56	59.61	23.2	23.5	24.5	29	27.4	23.7	29.8	21.7	80	82	92	62	68	76	1.3
14	58.10	58.66	59.35	57.06	58.11	59.29	22.8	21.9	30	29.2	25.5	25	31.4	21.5	83	86	56	70	92	90	21.6
15	58.23	58.42	59.71	57.64	58.53	60.02	24.3	23.6	30	30.5	28	25.5	31.3	23.4	91	92	67	72	77	84	------
16	59.50	59.64	60.51	58.27	58.46	60.06	25.5	25.2	29.5	29.5	28.5	26.2	31.1	24.5	85	90	68	70	72	81	.8
17	59.36	59.67	60.68	58.59	58.74	60.01	25.1	23.6	29	30	28	26.4	30.6	23.2	84	90	73	64	70	79	------
18	58.63	59.47	60.44	58.48	59.56	60.35	24.9	23.3	29.5	29.5	28.2	26	30.8	22.8	83	86	68	68	70	85	------
19	59.85	60.41	61.28	59.02	59.99	61.47	25.7	24	29.5	29.2	27	25	31	23.3	87	87	63	70	77	89	.8
20	60.02	60.47	61.25	59.48	60.17	61.22	23.9	24	28.5	28.5	26.3	24	30.1	22.8	81	81	59	55	77	87	2.3
21	60.08	60.88	61.79	59.78	59.90	61.41	25	24.4	28.3	30	28	27	31	23.7	82	84	72	61	66	70	------
22	60.26	60.75	61.84	59.72	60.04	61.04	25.6	25.3	28.5	30	27.5	25	31.4	23.9	74	75	60	57	70	80	------
23	60.38	60.58	61.69	59.13	59.51	60.85	24.6	23.5	28.8	30.5	27.6	25.5	31.5	22.7	79	79	67	51	69	76	------
24	60.27	59.90	60.46	58.26	58.56	59.86	24.7	22.6	28	27.5	26.9	25.5	29.8	22.4	80	82	70	73	74	76	.5
25	58.52	59.48	60.63	59.17	59.39	60.32	25.5	24	29.5	29.5	27.4	24.8	31.2	23.6	80	91	64	61	69	77	------
26	58.63	59.38	60.79	58.54	59.13	60.76	24.6	24.5	28.8	29.1	28	27	30.5	23.5	78	78	65	68	65	70	.8
27	59.03	59.46	60.49	57.79	58.53	59.81	24.8	24.1	28.8	30	28.2	25.5	31.2	23.5	81	85	65	64	66	80	------
28	58.71	59.35	60.18	58	57.70	59	24.3	23.7	29.2	30.4	28.1	26.9	31.5	23.4	80	81	57	59	61	74	1.8
29	57.86	58.62	60.05	58.14	57.93	59.61	25.4	23.8	29.6	29.5	28	27	31.2	22.7	84	86	61	61	66	70	------
Mean	60.10	60.59	61.48	59.30	59.83	61.09	24.4	23.7	28.8	29.4	27.4	25.5	30.8	22.8	80.9	83	65.4	63.1	70.6	78.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	33.8

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	E	E	E	Calm	21.7	57.6	111	21.2	211.5	3	Ci.	S.-Cu. ENE	3	------	S.-Cu. ENE
2	E	Calm	SE	E	E	Calm	29.1	42.1	107.5	32.7	211.4	1	------	Cu.	3	Ci.	Cu. ENE
3	Calm	Calm	E	E	N	NE	24.8	71.6	151.3	35.9	283.6	6	------	S.-Cu. ENE	3	------	Cu. E
4	NE	NE	NE	NE	NE	Calm	41.3	97.1	126.3	45.1	309.8	8	------	Cu.-N. ENE	8	------	Cu.-N. ENE
5	Calm	Calm	NE	ENE	NE	NE	28.6	76.1	99.2	51.2	255.1	7	------	Cu.-N. ENE	7	Ci.-S.	N.-cf. ENE
6	NE	NE	ENE	E	E	NE	39.9	78.1	145.1	91	354.1	5	Ci.	Cu. ENE	3	Ci.	Cu. ENE
7	NE	NE	ENE	E	NE	E	44.2	114.7	116.2	107.3	382.4	2	Ci.	Cu.	3	------	Cu. ENE
8	NE	NE	NE	E	NE	Calm	43.1	84.9	126.7	28.2	282.9	2	Ci.	Cu.	3	------	Cu. ENE
9	Calm	Calm	E	E	E	Calm	24.8	96.6	117.2	55	293.6	7	------	S.-Cu. ENE	3	Ci.	Cu. ENE
10	Calm	NE	NE	ENE	NE	Calm	33.8	75.3	113.8	49.1	272	7	------	Cu.-N. ENE	7	------	Cu.-N. ENE
11	NE	Calm	ENE	E	E	NE	49.5	69	109.2	49.3	277	3	Ci.	S.-Cu. ENE	3	------	Cu. ENE
12	NE	NE	E	E	ENE	NE	36.6	114.5	111.5	39.6	302.2	3	------	Cu. ENE	3	------	Cu. ENE
13	Calm	NE	NE	E	NE	Calm	25.1	61.2	118.5	19.2	224	7	------	Cu.-N. ENE	4	------	Cu. ENE
14	Calm	Calm	N	NE	NE	Calm	16.6	50.3	64.7	20.4	152	4	Ci.-S.	S.-Cu. ENE	6	Ci.-S.	Cu.-N. NE
15	Calm	Calm	E	E	NE	Calm	12.6	60.1	108.4	33.4	214.5	4	Ci.	S.-Cu. NE	3	Ci.	Cu. E
16	NE	Calm	E	E	Calm	Calm	28.7	46.8	97.7	-----	------	6	------	S.-Cu. ENE	3	Ci.	Cu. ENE
17	Calm	Calm	SSE	E	Calm	E	-----	-----	118	28.6	------	3	Ci.	N.-cf. ENE	3	Ci.	Cu. ENE
18	Calm	NE	E	E	ENE	Calm	27.4	76	137	50.3	290.7	2	Ci.	Cu. ENE	3	Ci.	Cu. ENE
19	NE	Calm	E	E	NE	NE	26	106.7	155.3	-----	------	3	Ci.	Cu.	7	Ci.-S.	N.-cf. NE
20	NE	NE	E	E	E	NE	-----	141.9	178.1	62.7	------	3	Ci.	Cu. ENE	5	Ci.-S.	Cu. ENE
21	NE	NE	E	E	ENE	E	54.6	98.9	107.5	95.2	356.2	5	Ci.	Cu. ENE	3	Ci.	Cu. ENE
22	NE	E	ENE	E	E	NE	63.5	88.1	90.9	48.8	291.3	2	Ci.	Cu.	3	------	Cu. E
23	NE	Calm	E	E	E	NE	39.7	77.5	92.8	44.5	254.5	3	Ci.	S.-Cu. E	4	Ci.	Cu. E
24	NE	Calm	E	NE	Calm	NE	35.8	85.2	66.3	39.6	226.9	3	Ci.	S.-Cu. E	8	------	N.-cf. E
25	NE	Calm	E	E	NE	Calm	39	94.1	118	40.6	291.7	7	------	Cu.-N. ENE	4	Ci.	Cu. ENE
26	NE	Calm	ENE	E	NE	E	27.1	73.7	123.9	101.2	325.9	3	Ci.	S.-Cu. ENE	3	Ci.	Cu. ENE
27	E	Calm	E	E	ENE	NE	37.1	99.5	143.9	99.5	380	3	Ci.	Cu. ENE	2	Ci.	Cu. ENE
28	ENE	NE	E	E	ENE	E	50.3	97.1	113.6	60.7	321.7	2	Ci.	Cu.	3	Ci.	Cu. E
29	NE	Calm	E	E	E	E	51.9	105.4	128.7	110	396	3	Ci.	S.-Cu. E	5	Ci.	Cu. E
Mean	------	------	------	------	------	------	35.3	83.6	117.2	54.1	286.4	4	------	------	4.1	------	------

CEBU.

[$\phi = 10°\ 18'$ N; $\lambda = 123°\ 54'$ E; barometer above sea, 4.5 meters; gravity correction not applied, −1.84 mm.]

MARCH, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a.m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.70	59.07	60.38	58.35	58.94	60.22	25.3	23.6	29	29.5	27.5	25.5	30.6	23	77	86	58	58	65	75	1
2	60.06	60.17	61.28	59.30	59.66	60.95	24.2	24	29	30.5	28	27	31.6	23.3	80	83	56	50	61	77	.8
3	60.23	60.66	61.89	59.80	59.98	61.22	24.3	23.9	29.5	30.6	28.1	26.5	31.8	23.1	85	90	64	60	69	77	
4	60.72	60.66	61.99	59.64	59.21	60.45	24.7	24	30	29.5	27.4	26	31.2	23.7	82	85	57	59	63	70	
5	59.45	59.64	60.74	58.86	59.55	60.66	24	23.5	29	28	27	26	30.7	22.5	77	75	63	65	73	80	
6	60.14	60.25	61.47	59.65	59.95	60.95	25	25	29.4	30.5	27.3	26.5	31.4	24	82	80	59	53	61	69	
7	60.07	60.35	61.73	59.27	59.73	61.31	24.5	24.7	29	30	28.5	25.5	31.8	23.5	87	86	67	62	73	92	6.9
8	60.99	61.31	62.45	60.32	60.49	62.24	25	24.9	29	30	28	26	31.4	23.9	89	87	68	62	65	76	
9	61.73	62.32	63.03	60.45	60.20	61.52	22.9	22.5	29	30.1	27.8	25	31.1	21.8	83	82	64	52	62	73	
10	60.71	61.12	62.35	59.83	59.89	61.21	23.8	23.6	29.2	29	27.5	26.5	30.6	23.2	76	78	60	64	69	73	
11	59.47	59.82	60.84	58.56	58.36	59.67	25	23.6	29	31	28.5	25	32	23	79	86	64	56	67	76	
12	57.93	58.57	59.59	57.13	57.86	59.36	24.5	23.9	29.2	30.5	28.5	27.1	31.8	23.1	83	87	70	62	73	80	
13	58.06	58.86	59.72	57.46	57.85	59.38	26	25.2	31	31	29	27	32.4	24.5	84	88	59	59	69	75	
14	58.56	59.50	61.32	59.37	59.34	60.86	25.9	25.1	29.5	30	27.9	27	31.5	23.9	83	86	59	56	68	70	
15	60.12	60.38	61.28	59.52	59.39	60.66	24.1	22	29	29.5	28	27	31.2	21.8	79	88	59	56	63	70	
16	60.08	60.37	61.65	59.10	59.08	60.76	23.8	22	29	31	27.6	25.5	32.2	21.4	77	81	55	53	69	74	
17	60.21	60.48	62	59.23	59.40	61.26	24.7	23.4	28.6	29	27.5	25.8	30.8	22.4	80	82	63	61	66	70	
18	60.83	60.89	62.30	60.02	60.29	61.81	23.4	23.3	28.5	30.5	27.3	26.5	31.8	22	74	71	54	42	56	73	
19	60.82	61.61	62.93	60.02	60.39	61.82	24.3	23.1	29	30	27.5	25	31.2	22.9	74	70	47	44	53	64	
20	60.91	61.39	62.83	60.22	60.53	62.46	23.2	22.5	29	30	27.5	25.5	32.1	21.6	76	81	52	56	68	80	
21	61.25	61.42	62.57	60.68	61.31	62.60	24.7	24.5	29	29.7	26	25.6	30.7	24	83	82	66	60	76	79	
22	61.53	62.07	62.93	60.69	60.64	61.96	24.8	24.4	29	30	27.6	26.5	31	23.8	82	80	64	57	69	76	3.8
23	61.06	61.70	62.74	60.40	60.38	61.52	24.5	24.6	27.5	30	28.9	25.8	30.2	23.5	84	87	76	56	58	80	.8
24	60.46	61.33	62.24	60.32	60.78	62.51	23.9	23	29	30.5	28	26.5	32.2	22.4	82	84	61	58	70	76	
25	61.61	62.21	63.06	60.88	61.26	62.55	25.6	24.9	29	30.4	28	26.5	31.4	23.9	75	75	68	52	67	73	.3
26	61.53	62.35	62.76	60.02	60.38	61.61	24	24.6	29.5	29.7	28	26	31.2	22.9	83	79	61	63	68	80	
27	60.61	61.30	62.69	60.15	60.29	61.74	24.8	23.7	28.9	30.2	28.2	26.5	31.2	23.3	81	81	63	61	66	74	
28	60.43	61.37	62.52	60.14	60.45	61.62	25.4	24.3	30	30.8	28.5	26.5	32.6	23.7	80	89	54	54	66	73	
29	60.65	60.86	62.28	60.25	60.36	61.74	25.3	24.7	29.4	30.5	28.5	27	31.7	24	78	79	59	59	64	80	
30	60.26	60.87	62.22	60.25	60.36	61.64	25.8	25.5	29.9	30.5	29	27.2	31.4	24.9	82	83	60	58	63	72	.8
31	60.40	60.56	61.62	60.10	60.15	61.52	25.3	24.1	29.4	29.1	28.2	25.5	30.5	23.2	80	86	62	60	62	80	
Mean	60.31	60.76	61.92	59.68	59.89	61.28	24.6	23.9	29.2	30.1	27.9	26.2	31.4	23.2	80.5	82.5	61	57	65.9	75.4	
Total																					14.4

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
												Form and direction.			Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Amount.	Upper.	Lower.	Amount.	Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	E	E	E	E	NE	50.7	90.3	117.7	53	3	Ci.	Cu.	7		S.-Cu. E
2	NE	Calm	E	E	ENE	E	43.5	90.9	124.2	85.5	4	Ci.-S.	S.-Cu. E	2	Ci.	Cu. ENE
3	Calm	Calm	E	E	ENE	NE	29.3	80.5	106.2	71	4	Ci.	N.-cf. E	6	Ci.	Cu. E
4	ENE	NE	ENE	E	ENE	E	37.8	116.3	141.6	80.1	2	Ci.	Cu. E	2	Ci.	Cu. E
5	NE	Calm	E	E	E	ENE	47.3	83.1	114.1	49.2	2	Ci.	Cu. E	7		Cu.-N. E
6	Calm	Calm	E	E	E	Calm	36.2	74.8	123.1	53.5	4	A.-Cu. ESE	S.-Cu. E	5	Ci.	Cu. E
7	Calm	Calm	E	E	E	E	35.9	64.1	106.5	46.1	7		Cu.-N. E	3		Cu. E
8	E	E	E	E	E	E	46.4	97.6	128.7	92.5	2	Ci.	Cu. E	3		Cu. E
9	E	Calm	E	E	E	ENE	31.8	79.4	86.3	54.4	2	Ci.	Cu. E	2		Cu. E
10	Calm	Calm	E	E	NE	NE	45.5	67.2	125.9	45.5	2		Cu. E	3	Ci.	Cu. E
11	NE	Calm	E	E	E	Calm	29.1	68.6	104.6	19.9	2	Ci.	Cu. E	3	Ci.	Cu. E
12	Calm	Calm	SE	E	E	Calm	17.3	44.8	115.1	42.5	3		Cu. E	3	Ci.	Cu. E
13	Calm	Calm	Calm	E	E	ENE	19.7	37	118.6	47.2	7		S.-Cu. E	3	Ci.	Cu. E
14	E	Calm	E	E	ENE	ENE	33.7	82.1	115.3	82.3	3	Ci.	Cu. E	3	Ci.	Cu. E
15	Calm	Calm	E	E	ENE	E	18.2	42	109.1	115	6	Ci.-S.	Cu. ENE	3	Ci.-S.	Cu. ENE
16	NE	Calm	E	E	E	NE	36.9	65.8	102	41	6	Ci.-S.	Cu. E	3	Ci.	Cu. E
17	E	Calm	E	E	ENE	NE	85.3	92.7	150.5	46.8	2	Ci.	Cu. E	3	Ci.	Cu. E
18	NE	NE	E	E	ENE	ENE	39	117	124	89.3	3		S.-Cu. E	2		Cu. E
19	NE	Calm	E	E	E	NE	46.6	90.6	119.5	33.7	3	Ci.	S.-Cu. E	2	Ci.	Cu.
20	NE	Calm	E	E	E	NE	32.4	76.3	103.9	42.5	2	Ci.	Cu.	3	Ci.	Cu. E
21	NE	NE	E	E	NE	NE	44.3	118.6	125	46.6	3	Ci.	Cu. E	4	Ci.	Cu. E
22	NE	NE	E	E	ENE	N	38.8	120.2	154	69.5	4	Ci.-S.	Cu.	4	Ci.	Cu. ENE
23	NE	NE	ENE	E	NE	NE	42.8	79.1	100.7	73.7	7		Cu.-N. ENE	5	Ci.	Cu. ENE
24	NE	NE	ENE	E	NE	NE	35.1	64.8	113.6	55.2	2	Ci.	Cu.	3	Ci.	Cu. E
25	NE	NE	E	E	E	E	50.8	106.2	146.9	108.9	4	Ci.-S.	Cu. E	2	Ci.	Cu. E
26	NE	NE	E	E	E	NE	36.6	88.9	151.8	116.1	3	Ci.	Cu.	2	Ci.	Cu. E
27	NE	Calm	E	E	ENE	NE	43.5	83.9	113	57.8	3	A.-Cu.	Cu. E	3	Ci.	Cu. E
28	NE	Calm	E	E	E	NE	36.2	83.4	110	60.4	2	Ci.	Cu. E	3	Ci.	Cu. E
29	NE	Calm	E	E	NE	NE	38.5	95.2	120.5	60.2	2		Cu. E	2	Ci.	Cu. E
30	NE	NE	E	E	E	E	34.8	113.7	156.5	87.7	4		S.-Cu. E	3	Ci.	Cu. E
31	E	NE	E	E	NE	NE	88	96.2	113.6	53.6	5		N.-cf. E	7		S.-Cu. E
Mean							40.4	84.2	120.7	63.9	309.2	3.5			3.4	
Total											9,586.5					

CEBU.

[ϕ=10° 18′ N; λ=123° 54′ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.84 mm.]

APRIL, 1912.

Day.	Atmospheric pressure, 700 mm.						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.41	60.62	61.62	59.49	59.38	61.11	24.4	24.2	29.8	30.2	27.5	26	31.2	23.5	80	78	56	54	66	76	
2	59.63	60.67	61.27	59.45	59.98	61.55	24.5	25	29.9	30	28.3	27	31.8	23	77	76	56	60	63	70	
3	60.36	60.75	61.50	59.41	59.43	60.90	25.2	24	30.1	30.4	27.8	26.6	31.8	23.7	79	83	57	56	68	72	
4	59.41	59.87	60.99	58.70	59.24	60.61	25.5	24.4	28.8	30	27.5	27	30.5	24.2	76	86	64	59	72	77	
5	59.16	59.47	60.52	58.39	58.39	60.19	25.7	25.2	30.5	30.9	29.4	26.8	31.9	24.1	80	82	59	52	59	74	
6	59.66	59.91	60.55	58.74	58.86	60.71	25.9	26	30	30.7	28.5	25.3	31.9	24.5	78	80	68	58	70	70	
7	60.33	60.41	61.09	58.87	59.10	60.79	24.6	24.4	29.5	30	29	27.5	31.5	23.5	76	80	67	62	68	73	
8	60.19	60.30	61.17	58.64	59.05	60.88	25.9	24.8	30.4	30.5	29.6	27.5	31.9	24.1	78	79	63	59	61	72	
9	60.05	60.61	61.29	58.98	59.79	61.31	26.8	26.9	30.5	31.6	29.2	27.3	32.6	26	78	80	62	56	74	78	
10	60.77	61.22	62.02	59.89	60.90	62.49	27.3	27.3	30.5	31	29.6	27.5	32.2	26	81	82	65	68	67	79	2
11	61.32	61.72	62.25	60.42	61.05	62.89	27.1	26	30	30.4	28.5	27.6	31.2	25.5	81	88	68	64	70	73	
12	62.25	62.78	63.40	61.47	61.53	63.19	26.1	24.5	29.8	30.6	29	26.6	31.9	24.3	79	80	56	50	58	72	
13	62.56	63.01	63.81	61.39	61.64	63.26	25.2	24.5	29.3	30.8	29.3	28.2	31.9	23.4	77	83	59	60	66	72	
14	62.16	62.25	63.08	60.72	60.69	62.05	26.1	25	29.6	30	28	27.6	31.3	24.5	75	82	66	63	74	71	
15	61.16	61.16	61.99	59.52	59.91	61.60	25.6	24.9	29.8	30.5	28.2	27.1	31.4	23.9	79	79	56	59	69	72	
16	60.22	60.98	62.10	59.87	60.18	61.55	25.6	24.5	30	30	28.5	27	31.2	23.3	79	83	59	62	64	74	
17	60.55	61.11	61.83	59.61	59.76	61.73	25.7	24	29.2	30.6	28.2	27.8	31.8	23.7	78	87	63	57	72	71	
18	60.74	60.80	61.69	59.39	59.28	61.28	26.2	26	29.7	30.5	28.5	28	31.9	24.3	75	76	63	65	74	71	
19	60.41	60.54	61.37	59.13	58.97	60.73	26.8	26.2	30.5	30.7	29.6	28	32.4	25	78	81	56	63	69	76	
20	59.31	59.55	60.90	58.74	58.92	60.79	27.6	27	30.5	31	29	27.5	32.1	26.5	79	80	62	61	66	73	
21	58.97	59.17	59.73	57.88	58.39	59.89	26.3	26	30.8	31.5	29.5	28	32	24.9	75	76	59	54	64	77	2
22	59.11	59.27	59.82	58.04	58.24	59.99	26.3	26	30.4	31.5	29.3	27.5	32.6	24.9	86	84	66	58	69	76	
23	58.99	59.20	59.72	57.72	58.52	60.39	26.2	26.4	30.4	31.4	29.5	27	32.8	25.4	79	77	64	57	66	73	
24	59.09	59.24	59.82	58.01	58.55	59.96	26.3	26	31.4	31.4	29.3	28	32.4	24.2	76	79	57	57	66	70	
25	58.17	58.77	59.53	57.58	58.37	59.69	26.3	26.6	30	31.5	29.7	27.8	32.6	25	76	78	67	57	61	69	
26	58.84	59.54	59.58	57.93	58.42	60.34	26.3	26.5	31.5	30.1	29.5	28	33.2	24.8	76	75	57	69	61	74	.5
27	59.25	59.46	60.64	58.25	58.69	59.91	27.2	26	24.8	28.1	27.8	25.5	28.8	23.7	83	91	91	77	82	88	20.6
28	58.85	59.36	60.52	57.59	58.50	59.98	25.2	25.5	30.5	31.7	29.2	28	32.8	24.5	90	90	66	64	76	82	
29	58.65	58.99	60.02	57.58	58.06	59.41	27	27	30.3	31	29.4	27.5	32.6	26.5	83	84	55	59	68	81	
30	57.73	58.21	59.08	56.57	56.73	58.28	26.5	26	30.5	31.5	29	27.5	32.6	24.4	82	83	62	56	70	69	
Mean	59.94	60.30	61.10	58.93	59.28	60.91	26	25.6	30	30.7	28.8	27.3	31.9	24.5	79	81.4	62.3	59.9	67.8	74.2	
Total																					25.1

Day.	Wind.										Total movement in 24 hours.	Clouds.					
	Direction.						Total movement in 6 hours.					6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	Calm	E	E	ENE	NE	36.4	105.1	110.5	57.1	309.1	3		S.-Cu. E	3	Ci.	Cu. E
2	NE	Calm	E	E	E	ENE	30.1	94.7	127.6	54.9	307.3	3	A.-Cu.	Cu. E	5		Cu. E
3	NE	Calm	E	E	NE	E	52.5	62.8	121.3	45.3	281.9	2		Cu. E	3	Ci.	Cu. E
4	NE	Calm	E	E	ENE	NE	38.6	81.8	119.5	60.4	300.3	3	Ci.	S.-Cu. E	6	A.-Cu.	Cu. E
5	Calm	Calm	E	E	E	Calm	21.7	67.6	93.5	31.2	214	3	Ci.	S.-Cu. NE	3	Ci.	Cu. ENE
6	Calm	Calm	E	E	Calm	Calm	18.7	56.5	79.4	17.3	171.9	3	Ci.	Cu. ENE	5	Ci.-S.	Cu. ENE
7	Calm	Calm	E	E	NE	NE	17.9	84.9	103.8	27.1	233.7	2		Cu. ENE	3	Ci.	Cu. ENE
8	Calm	Calm	E	E	E	Calm	16.4	71.6	123.6	41.8	253.4	2	Ci.	Cu. E	2	Ci.	Cu.
9	NE	Calm	E	E	ENE	Calm	22.5	67.9	116.4	39	245.8	3	Ci.	Cu. E	3	Ci.	Cu. E
10	NE	Calm	E	E	NE	NE	29.5	89.6	132.5	96.9	348.5	2	Ci	Cu. E	4	Ci.	Cu. E
11	E	Calm	E	E	E	NE	31.9	87.9	116.4	56.6	292.8	7		Cu.-N. E	6		Cu. E
12	NE	Calm	E	E	E	NE	46.8	75.1	108.4	108.7	339	2	Ci.	Cu.	3	Ci.	Cu. E
13	NE	Calm	E	E	E	E	35.2	81.9	111.8	104.2	333.1	3	Ci.	Cu. E	3	Ci.	Cu. E
14	NE	Calm	E	E	ENE	E	36	112.3	139.2	85.9	373.4	2	Ci.	Cu.	4	Ci.	Cu. E
15	NE	Calm	E	E	ENE	NE	33.8	70.8	118.8	66.7	290.1	2	Ci.	Cu.	5		S.-Cu. E
16	NE	Calm	E	E	NE	NE	25.9	74.2	141.6	42.5	284.2	2	Ci.	Cu.	3	Ci.	Cu. E
17	NE	Calm	E	E	ENE	E	32.1	73.2	116.7	52.6	274.6	2	Ci.	Cu. E	3	Ci.	Cu. E
18	NE	Calm	E	E	ENE	NE	32.7	75.4	117.1	46.7	271.9	2	Ci.	Cu. E	3	Ci.	Cu. E
19	NE	Calm	E	E	NE	NE	32.4	66.8	130.7	59.2	289.1	2	Ci.	Cu. E	3	Ci.	Cu. E
20	ENE	NE	E	E	NE	E	58.1	86.7	140	133.9	418.7	2	Ci.	Cu. E	2		Cu. E
21	E	Calm	ENE	E	E	E	53.8	94.3	156.6	115.8	420.5	2	Ci.	Cu. E	3	Ci.	Cu. E
22	NE	E	ENE	E	ENE	E	51.4	88.9	142.6	130.4	413.3	4		Cu. E	3	Ci.	Cu. E
23	NE	NE	E	E	E	NE	45.6	116.7	137.4	96.6	396.3	2		Cu. E	3		Cu. E
24	NE	NE	E	E	ENE	E	33.2	93.7	119.5	81.7	328.1	3	Ci.	Cu. E	2		Cu. E
25	Calm	NE	E	E	ENE	NE	31.6	94.5	137.6	61	324.7	2	Ci.	Cu. E	2		Cu. E
26	Calm	NE	E	E	N	Calm	37.8	108.9	138.7	30.5	315.9	2		Cu. E	8		Cu.-N. E
27	Calm	Calm	NE	NE	Calm	Calm	20.9	43.1	60.1	12.3	136.4	9		Cu.-N. E	9		cu.-N.ENE
28	Calm	Calm	E	E	E	NE	19.9	46.7	107.8	49	223.4	2	Ci.	Cu.	3	Ci.	Cu.
29	NE	NE	E	E	Calm	NE	41.2	74	88.5	38.6	242.3	3	Ci.	Cu. E	3	Ci.	Cu. E
30	NE	Calm	ENE	E	Calm	NE	29	50.7	102.8	39.3	221.8	2	Ci.	Cu. E	3	Ci.	Cu. E
Mean							33.8	79.9	118.7	62.8	295.2	2.8			3.7		
Total											8,855.5						

CEBU.

[$\phi = 10°\ 18'$ N; $\lambda = 123°\ 54'$ E; barometer above sea, 4.5 meters; gravity correction not applied, −1.84 mm.]

MAY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.33	58.21	58.99	56.56	56.69	58.89	26.1	24.9	31	31	29	27.5	32.2	24	73	76	62	58	69	73	------
2	57.80	58.36	59.22	57.26	58.02	60.06	27.2	26.5	30.5	31.5	29	28.1	32	25.2	77	83	65	63	74	81	------
3	59.81	60.20	61.10	58.77	59.55	61.13	27.9	26.7	30.4	30.8	29	28	31.6	25.9	80	83	60	64	68	70	------
4	60.14	60.57	61.25	58.74	58.72	60.29	26.6	26.4	30	30.5	29.4	27	32.2	25.1	74	81	62	62	58	79	------
5	59.21	60.09	60.31	57.88	58.53	59.54	25.5	25.7	30	31.2	28.5	26.6	32.6	24.4	81	84	62	57	71	80	------
6	58.86	59.19	59.29	57.32	57.58	59.50	25.7	25.4	31	30.5	29.2	26.9	32.8	24.5	82	87	58	65	63	76	------
7	58.84	59.41	59.83	57.67	58.40	59.60	25	25.2	30.7	31.5	29	26.1	32.6	24.5	83	88	64	63	74	82	------
8	58.66	59.47	60.19	57.85	58.16	59.54	25.9	25	30	28.6	28.5	25.5	31.5	24.3	82	88	67	79	73	88	1
9	58.45	59.11	59.43	57.19	57.94	58.70	25	25.3	31	31.2	29	27	32.6	24.1	88	89	64	61	71	70	------
10	58.48	59.57	60.51	58.41	59.07	60.53	25.5	24.7	30.5	31.5	29	27.1	32.5	23.5	75	84	58	53	69	78	------
11	59.75	60.26	60.44	58.17	58.49	60.03	26.8	27.2	32	31.5	29.8	27.4	33.1	25.5	77	75	57	57	66	77	------
12	59.10	59.96	59.89	57.62	57.82	59.51	26.2	25.4	31	32	29.6	27.5	32.5	24.1	82	82	58	54	67	73	------
13	58.52	58.97	59.14	57.10	57.29	59.31	26.4	26.5	32	32.2	29.7	27.9	33.3	25.3	82	84	60	53	72	74	------
14	58.40	58.85	59.32	57.48	58.23	59.66	27	27	31.5	32.5	30.2	27.6	33.5	25.7	82	86	62	54	70	69	------
15	58.61	59.01	59.79	57.57	58.39	59.55	26.4	27.5	32	32.4	29.6	28.5	33.2	25.9	79	84	60	52	69	66	------
16	58.79	58.94	59.52	57.30	57.43	59.14	27.4	27.6	31.5	33	30	27.5	34	26.5	73	80	60	61	68	72	------
17	58.61	58.77	59.47	56.91	58.10	59.66	26.7	26.8	30.8	32.8	29.5	28.5	33	26	83	83	65	59	75	75	------
18	58.55	58.90	59.64	57.58	57.93	59.34	27.9	27.8	31.5	32.7	30.2	29	33.5	26.4	78	82	60	59	68	71	------
19	58.60	58.80	59.11	57.10	57.17	58.41	27.8	27.4	31.6	32.5	30	28.5	33.2	26.4	78	81	56	54	64	67	------
20	57.50	58.10	58.23	56.10	56.64	58.28	27.2	26.8	31.3	32.5	30.4	29	32.9	26	75	81	57	52	61	64	------
21	58.74	59.94	59.12	56.94	58.03	59.01	27	26.5	31.7	32.5	30	28.5	33.2	25.5	72	76	55	43	64	64	------
22	58.19	59.02	59.30	57.09	58.02	59.08	27.2	26.9	31.1	31.5	29.4	27.2	33.9	25.7	70	72	66	60	72	75	------
23	58.30	59.21	59.12	56.77	57.35	59.48	26.7	26.2	32.5	33	30.2	27.6	34.2	25.5	80	85	54	55	56	64	------
24	58.29	58.61	58.24	56.56	57.45	58.89	26.6	26.9	31	32.7	29.8	28.5	33.8	25.5	73	76	65	53	70	75	------
25	57.76	58.07	58.15	55.61	56.64	57.39	27.5	23	30	32.5	30	28.5	33.5	25	80	88	68	55	67	74	1
26	57.06	57.97	58.09	56.03	57.15	58.09	27.5	27.2	31.6	33.4	30.4	28	33.8	25.8	80	86	59	56	68	79	------
27	57.08	57.78	58.19	56.28	57.74	59.25	26.3	26.5	32	34	30	28.3	34.8	25.6	81	81	64	53	70	82	29.2
28	58.38	58.84	59.04	57.01	57.55	59.85	25.4	26.9	32	32.4	30.6	28	34.6	24.5	92	87	59	57	68	82	------
29	58.82	59.39	59.82	57.16	57.52	59.40	27.5	27	31.5	33	31.2	29.2	33.9	26.1	84	86	65	49	63	68	------
30	58.64	59.19	59.88	57.13	57.69	59.16	27.7	27	31.5	31.5	30	27.6	33	26.7	76	84	64	53	70	79	------
31	58.06	58.71	59.22	57.39	57.94	59.41	27	27.2	30.5	33	29.5	27.5	33.5	25.6	83	84	68	58	66	71	1.3
Mean	58.51	59.08	59.45	57.24	57.85	59.34	26.7	26.5	31.2	32	29.7	27.7	33.1	25.3	79.2	82.8	61.4	57.2	67.9	74.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	32.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	Calm	E	E	NE	Calm	19.3	48.6	105.2	29.3	202.4	5	------	S.-Cu. E	3	Ci.	Cu. E
2	E	Calm	E	E	ENE	NE	32.1	69.5	126.6	56	284.2	3	Ci.	S.-Cu. E	4	Ci.-S.	Cu. E
3	NE	NE	ENE	E	NE	NE	64.4	80.2	117.9	36	298.5	3	Ci.	Cu. E	2	Ci.	Cu. E
4	Calm	Calm	S	E	ENE	Calm	33.5	40.4	91.7	26.9	192.5	3	Ci.	Cu.	5	Ci.-S.	Cu. E
5	Calm	Calm	SE	E	Calm	Calm	16.6	38.5	93.9	20.1	169.1	3	Ci.	Cu.	3	Ci.	Cu. E
6	Calm	Calm	ESE	E	ENE	Calm	17.6	34.6	84.4	29.1	165.7	3	Ci.	Cu.	4	Ci.	Cu. E
7	Calm	Calm	ESE	E	Calm	Calm	22.6	25.8	65.9	23.3	137.6	5	Ci.-S.	Cu. E	4	Ci.	Cu. E
8	Calm	Calm	S	Calm	Calm	Calm	25.3	51.7	51.5	22.6	151.1	3	Ci.	Cu. E	7	------	Cu.-N.
9	Calm	Calm	S	E	Calm	Calm	26.4	43.1	93.9	25.4?	188.8	2	Ci.	Cu. E	3	Ci.	Cu. E
10	NE	Calm	E	E	Calm	Calm	23.4	41.3?	111.5	36.7	212.9	2	Ci.	Cu.	6	------	Cu.-N. E
11	NE	Calm	Calm	E	E	Calm	23.8	41.2	111	36.7	212.7	2	Ci.	Cu. E	3	Ci.	Cu. E
12	Calm	Calm	ENE	E	Calm	Calm	27.7	46.7	100.4	24.4	199.2	2	------	Cu.	2	Ci.	Cu.
13	Calm	Calm	SE	E	E	Calm	19.6	------	------	26.8	------	3	Ci.	Cu.	3	Ci.	Cu.
14	Calm	Calm	E	E	Calm	Calm	20.1	39.6	95.2	19.3	174.2	3	Ci.	Cu. E	3	Ci.	Cu.
15	Calm	Calm	E	E	Calm	Calm	12.9	------	101.4	23.9	------	3	Ci.	Cu. E	3	Ci.	Cu. E
16	Calm	Calm	S	S	ENE	Calm	17.3	------	------	18.7	------	6	Ci.	Cu. E	3	Ci.	Cu. E
17	Calm	Calm	S	E	ENE	Calm	9.4	25.7	90.7	25.3	151.1	4	Ci.	Cu.	4	Ci.	Cu. E
18	SE	Calm	ESE	E	Calm	NE	32.2	49.9	92.8	27.1	202	3	Ci.-S.	Cu. E	4	Ci.	Cu. E
19	Calm	Calm	E	E	E	NE	12.4	75	103	32.5	222.9	3	Ci.	Cu. E	3	Ci.	Cu. E
20	Calm	Calm	E	E	Calm	Calm	12.3	65.6	108.6	19.3	205.8	2	Ci.	Cu.	3	Ci.	Cu. E
21	E	Calm	Calm	E	Calm	Calm	27.9	32.5	83.5	12	155.9	4	Ci.-S.	Cu.	4	Ci.	Cu. E
22	Calm	Calm	S	E	Calm	Calm	12.7	45.9	80 ?	15.9	154.5	3	Ci.	Cu.	5	Ci.	Cu.
23	Calm	Calm	SE	E	E	Calm	16.7	27.2	81.1	13.2	138.2	4	Ci.-S.	Cu.	6	Ci.-S.	Cu.
24	Calm	Calm	S	E	S	Calm	16.4	45.4	83.6	30.1	175.5	3	Ci.	Cu.	6	Ci.-S.	Cu. E
25	Calm	Calm	S	S	Calm	Calm	11.2	26.9	39.2	9.3	86.6	7	Ci.-S.	Cu.	6	Ci.-S.	Cu.
26	Calm	Calm	S	S	SW	Calm	13.1	38.2	58.2	20.4	129.9	7	Ci.-S.	Cu.-N. S	4	Ci.	Cu.
27	Calm	Calm	S	S	Calm	S	8.9	37.8	51.2	15.5	113.4	7	A.-Cu.	Cu.	5	Ci.-S.	Cu.
28	Calm	Calm	Calm	E	Calm	E	19.6	22.1	46.1	17.4	105.2	6	Ci.-S.	Cu.	4	Ci.-S.	Cu.
29	Calm	Calm	SE	E	Calm	Calm	11.1	56.3	86.1	15.5	169	3	Ci.	Cu. E	3	Ci.	Cu.
30	Calm	Calm	S	E	Calm	Calm	16.4	30.3	66.1	29.5	142.3	3	Ci.	Cu. E	5	Ci.	Cu.
31	Calm	Calm	S	E	Calm	Calm	17.4	33.9	46.4	12.7	110.4	3	Ci.	Cu. E	5	Ci.	Cu.
Mean	------	------	------	------	------	------	20.7	43.4	85.1	24.2	173.3	3.6	------	------	4	------	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------

CEBU.

[$\phi = 10°\ 18'$ N; $\lambda = 123°\ 54'$ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.84 mm.]

JUNE, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.11	58.71	59.04	57.13	57.35	59.09	26.8	27	31	32.5	30.5	29.4	34	26	78	88	62	60	71	75	------
2	58.80	59.59	59.78	57.90	58.02	59.69	28.2	27.8	32	33	30.5	29	34.6	27	77	75	60	56	71	76	------
3	58.53	59.13	59.49	58.03	58.07	58.84	28.9	28.5	31.9	33.5	30	28.5	34.3	26.5	77	78	56	56	67	81	------
4	57.90	58.39	58.51	56.46	57.04	58.44	27.8	27	31.9	32	30.5	29.2	33.1	26	82	84	58	60	65	70	------
5	57.82	58.33	58.66	56.68	56.85	58.80	28.1	28.5	31.5	32	30.1	29	32.8	28	80	80	69	63	73	78	16.5
6	58.36	58.75	58.93	56.15	56.74	58.70	26.8	27.2	30	34	30.6	28.1	34.5	25.9	82	84	70	56	68	80	------
7	57.99	58.49	58.78	56.66	57.16	58.30	27.2	27	30.1	33.5	29.5	28.1	34.4	26.1	83	84	73	51	71	82	15.2
8	57.82	58.31	58.95	57.24	57.79	59.28	27.5	27	30.5	30.5	29.5	27	32.1	26.2	87	90	71	72	73	84	------
9	58.42	58.69	58.69	56.20	57.44	58.94	26.6	26.3	30.3	34	30.5	29.5	34.9	25	83	85	68	48	68	68	------
10	58.59	59.35	59.58	56.66	57.45	59.07	27.4	27	31	32.5	30	28.5	33.5	23.1	80	87	68	58	71	84	31.7
11	58.73	58.89	59.55	58.14	58.26	60.08	24.4	24.6	29.1	30.5	29	28.5	31	23.3	95	94	81	68	74	73	4.1
12	58.59	58.79	59.64	57.75	58.44	59.43	27.9	28	30	32	29.5	27.5	32.6	26.5	79	81	71	63	67	81	------
13	58.46	59.38	59.83	57.59	58.55	60.39	27.9	28	30	32.2	27	26.5	33.2	26	79	79	71	50	86	88	7.9
14	59.26	59.21	59.89	57.23	57.70	59.48	26.4	26.5	30.2	32.5	30	27.4	33.5	25.4	88	88	70	59	71	81	18.5
15	58.69	58.84	59.04	56.58	56.70	58.41	26.3	25	30	31.6	30	29	32.9	23.3	90	92	71	61	70	83	------
16	57.57	57.54	57.84	55.72	56.31	58.14	27.6	27.3	32	31.5	29.5	25.1	32.9	24.8	88	86	60	64	69	91	29.2
17	56.88	57.27	57.75	56.22	56.98	57.59	25.7	25.5	30	30.3	29	28	31.9	23.9	82	84	70	63	76	82	------
18	57.16	58.11	58.38	56.53	56.89	58.36	26.7	26.6	30	31.5	29.5	27.5	32.2	25.9	86	83	71	60	70	84	------
19	57.76	58.20	57.99	55.57	56.70	58.40	27.1	27	31.5	32.2	30	28	33	26.5	84	86	61	62	67	80	------
20	57.68	57.88	57.87	55.93	56.80	58.08	26.8	27.1	30.5	31.8	29.1	28.5	32.4	24.6	83	81	65	61	76	81	16.3
21	57.71	57.73	58.23	56.28	56.94	58.13	25.4	26	30	31.8	29	27.6	32	24.3	93	89	69	63	78	84	------
22	58.31	59.26	58.72	56.51	57.43	58.78	26.3	26	31.4	32.7	29.5	27	33.8	25.4	86	88	66	57	73	87	1.3
23	58.16	58.51	58.94	56.93	56.57	58.38	26.4	26	30.5	31.9	32.5	26.6	33.7	25.4	89	91	68	62	60	80	------
24	57.58	57.82	58.27	56.27	56.85	58.58	26.6	26.8	31	32.3	30	27.4	33	25.9	81	83	62	55	65	74	.5
25	57.65	58.29	58.22	56.21	56.85	59.06	25.9	25.9	32.3	33.2	30.1	29	33.7	25	85	81	57	60	68	72	------
26	58.76	58.52	58.74	56.92	57.43	59.49	27.3	26	31.1	32	29.5	28.6	33.2	25	81	84	62	60	71	73	------
27	58.34	58.85	58.39	56.77	57.14	58.68	26.8	25.8	31.7	31.5	29	27.5	32.7	25.5	80	87	65	57	69	77	10.2
28	57.86	58.27	58.43	56.46	56.68	58.41	26.7	25.9	30	32.1	29.1	25.5	32.4	24	82	88	69	57	70	91	11.9
29	57.79	57.86	59.06	56.93	57.19	59	25.7	25.7	29	30.1	28.5	26.5	31.6	23.9	93	90	78	68	77	86	.3
30	58.08	58.27	58.98	57.14	57.06	58.74	26	26	30.5	31.8	30	26.9	32.6	25	88	86	65	61	68	81	------
Mean	58.11	58.51	58.81	56.76	57.25	58.83	26.8	26.6	30.7	32.1	29.7	27.8	33.1	25.3	84	85.2	66.9	59.7	70.8	80.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	163.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
1	Calm	Calm	E	E	Calm	E	14.2	64.9	88.7	25.1	192.9	6	----------	Cu.-N. E	3	Ci.	Cu. E
2	Calm	Calm	E	E	Calm	Calm	17.2	65.4	92.9	29.5	205	3	Ci.	Cu. E	3	Ci.	Cu. E
3	SE	Calm	E	S	Calm	Calm	22.3	44.6	64.4	35.8	167.1	3	Ci.	Cu. E	4	Ci.	Cu.
4	NE	Calm	E	E	E	Calm	27.6	45	98.5	18.3	189.4	2	Ci.	Cu. E	4	Ci.	Cu. E
5	Calm	Calm	S	S	Calm	Calm	28.5	39.6	51	16.3	135.4	4	Ci.	Cu. E	4	Ci.	Cu.
6	NE	Calm	S	E	Calm	Calm	18.8	49.7	65.7	14.5	148.7	7	Ci.-S.	Cu.-N. E	4	Ci.	Cu.
7	Calm	Calm	S	E	SSW	Calm	14.7	40.7	55.5	12.4	123.3	3	Ci.	Cu. E	6	Ci.-S.	Cu.
8	Calm	Calm	S	S	Calm	Calm	8.9	30.6	42.6	11.8	93.9	6	Ci.-S.	Cu.	8	Ci.-S.	Cu.
9	Calm	Calm	S	SSW	Calm	SE	9.7	43.5	48.5	32.5	134.2	4	Ci.	Cu. E	4	Ci.	Cu.
10	Calm	Calm	SSW	SSW	E	Calm	19.4	44.6	65.4	34.4	163.8	6	Ci.-S.	Cu.	5	A.-Cu.	Cu. E
11	Calm	Calm	E	E	E	S	24.6	50.7	60.2	36.7	172.2	9	----------	N.	5	Ci.-S.	Cu.-N. E
12	SW	SSW	S	S	Calm	Calm	36	49.1	47.9	20.9	153.9	5	Ci.	Cu. SW	5	Ci.	Cu.
13	Calm	Calm	SSW	SSW	Calm	Calm	35.9	62.2	65.2	29	192.3	4	Ci.	Cu.-N. SW	5	Ci.-S.	Cu. SW
14	Calm	Calm	S	S	Calm	Calm	10.2	30.5	46.8	13.4	100.9	4	Ci.	Cu.	3	Ci.	Cu.
15	Calm	Calm	E	E	Calm	Calm	23.4	39.4	73.8	18.2	154.8	7	----------	Cu.-N. E	3	Ci.	Cu. E
16	Calm	Calm	S	S	SW	W	18	35	72.5	35.6	161.1	5	----------	Cu.-N. E	4	Ci.	Cu.
17	Calm	Calm	SSW	SW	WSW	WSW	23.4	51.2	48.2	37	159.8	3	Ci.	S.-Cu.	9	Ci.-S.	Cu. SW
18	Calm	Calm	SSW	SSW	Calm	Calm	13.7	59.7	90.4	12.7	176.5	4	Ci.	Cu. SW	3	Ci.	Cu. SW
19	Calm	Calm	S	SSW	SW	Calm	17.6	44.3	83.4	18.2	163.5	5	Ci.	Cu.	5	Ci.	Cu. SW
20	Calm	Calm	SW	SSW	W	Calm	9.7	65.6	86.3	27.9	189.5	7	Ci.-S.	Cu.-N. SW	6	Ci.-S.	Cu.
21	Calm	Calm	SW	S	WSW	Calm	10.5	43.9	69	17.3	140.7	7	Ci.-S.	Cu.	6	Ci.-S.	Cu. SW
22	Calm	Calm	S	S	SSW	Calm	15.5	31.6	44.2	16.6	107.9	3	Ci.	Cu.	6	Ci.	Cu.
23	Calm	Calm	Calm	E	Calm	Calm	14.7	19.6	40.7	18.5	93.5	6	Ci.-S.	Cu.-N. ESE	5	Ci.	Cu. E
24	Calm	Calm	SSE	E	SW	Calm	15.5	29.6	75.3	16.3	136.7	2	----------	Cu. E	3	Ci.	Cu. E
25	Calm	N	SSE	S	Calm	SE	23.1	26	45.4	26.2	120.7	7	----------	Cu.-N. E	3	Ci.	Cu.
26	W	Calm	S	SW	S	SSW	24.1	23.6	48.1	30.3	126.1	2	Ci.	Cu.	5	Ci.	Cu.
27	W	Calm	S	SSW	SW	Calm	24.1	34.8	74.8	15.5	149.2	6	Ci.-S.	Cu. SW	5	Ci.	Cu.
28	Calm	Calm	S	SSW	Calm	Calm	21.3	41.2	68.6	28.6	159.7	7	----------	Cu.-N. S	5	Ci.	Cu.
29	Calm	Calm	Calm	Calm	WSW	Calm	12.3	19.7	27.1	16.3	75.4	4	Ci.-S.	Cu.	7	Ci.-S.	Cu.-N.
30	Calm	Calm	S	S	Calm	Calm	14.1	29	44.2	18.7	106	3	Ci.	Cu. E	5	Ci.	Cu. E
Mean	------	------	------	------	------	------	19	41.8	62.8	22.8	146.5	4.8	----------	----------	4.8	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	4,394.1	----	----------	----------	----	----------	----------

CEBU.

[$\phi = 10°\ 18'$ N; $\lambda = 123°\ 54'$ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.84 mm.]

JULY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.87	58.31	58.34	56.64	56.99	58.65	26.2	26	31.5	31.5	29	26.2	32.7	25.6	86	89	63	57	68	82	------
2	57.98	58.06	58.49	57.48	57.08	58.76	25.5	26	28.5	29.3	26.5	25.5	29.8	24.9	84	82	77	68	83	88	------
3	57.79	58.06	58.77	58.18	59.11	60.02	25.1	25	30.9	26	26.4	25	31.7	24.5	90	91	66	90	92	92	14.3
4	59.10	59.56	59.81	58.27	58.78	59.80	25.2	25	29.5	32	28	26.5	32.4	24.5	88	88	75	54	76	76	11.9
5	59.86	59.85	58.99	57.44	57.73	58.69	24	24.5	30	31	29.5	27	31.8	23.4	91	91	65	63	73	80	1.8
6	58.51	58.06	58.41	56.53	57.13	58.38	25.3	25	31	32.3	29	27.4	32.6	24.4	88	90	67	59	74	81	.8
7	57.71	57.73	57.79	55.54	56.09	57.47	26.6	26	30	30.9	29.5	25.5	32	23.2	86	90	70	61	67	90	26.2
8	56.92	57.18	57.64	55.81	56.65	57.68	23.6	24.5	30.1	30	27.6	25.7	31.6	23	93	94	64	66	80	86	.8
9	56.71	57.13	57.79	56.18	57.06	58.54	25.1	24.8	28.5	30	27.2	26.6	30.9	24.2	91	91	73	69	83	84	------
10	57.18	57.66	58.55	57.20	58.05	59.51	25.8	25	30	30.5	27.4	26.5	31.8	24.4	88	91	65	65	74	80	------
11	58.12	58.26	58.74	56.52	57.07	58.96	24.9	25.3	29.9	32.5	30.5	27.8	32.9	23.7	86	85	71	49	56	69	------
12	58.01	57.67	58.01	56.02	56.23	58.06	26.3	25.6	31.1	33	30.5	28	33.4	24.7	79	82	67	47	56	72	------
13	57.32	57.21	57.57	55.76	55.94	57.59	26.8	26	31.5	33	29.4	28	34	25.5	82	89	66	58	75	85	10.7
14	56.96	57.03	58.04	56.15	57.32	59.39	26.2	26	30.5	31	28.9	24.8	31.2	24.4	92	92	72	70	71	91	19.6
15	58.23	58.37	58.63	56.43	57.39	58.71	24.3	23.8	29.2	30.3	28.5	26.5	31.9	23.3	90	90	68	64	74	86	------
16	57.51	58.13	58.64	56.36	57.08	58.51	25.7	25.5	28.5	30	25.5	25.4	31	24.9	86	86	75	71	93	94	10.7
17	57.36	57.52	57.72	56.50	56.62	57.76	25	24.9	29.4	28.4	26.4	25.5	31.3	24.3	91	91	72	80	89	89	8.6
18	56.93	57.01	57.03	55.54	55.87	57.18	25.5	25.3	27.5	30	26.1	26	30.3	24.9	87	89	77	70	83	80	3.8
19	56.26	55.97	56.54	54.96	56.03	57.74	25.6	25.9	28	27.5	24.8	25.2	29.4	23.4	79	77	69	84	91	90	10.3
20	56.82	56.90	57.41	55.88	56.79	58.02	25.4	26	28.1	29.8	27.5	26.5	30	24.4	90	84	77	67	73	73	------
21	57.06	57.33	57.78	55.84	57.64	59.06	26.3	26	29.3	30.1	27.1	25.5	31.2	25	72	69	71	68	72	89	.5
22	57.53	57.64	57.78	56.68	57.05	58.09	25	25	29.5	29.5	28	26.8	30.5	24.5	82	80	61	71	79	82	------
23	56.51	56.98	57.46	55.59	56.56	58.29	25.8	24.7	30	32.4	29.7	26.4	32.7	24.4	84	86	71	59	73	75	------
24	57.41	57.48	57.56	56.47	57.01	59.10	25	25.9	30	30.5	29.1	26.6	31.2	23.9	74	74	65	68	67	78	------
25	57.58	58.40	58.40	56.84	57.23	59.15	26	25.5	30.5	31.5	29	27.1	32.4	24.9	78	79	68	57	67	78	------
26	57.28	57.01	58.29	56.93	56.43	58.12	26.4	25.2	30.4	25.4	25.4	24.5	32.2	23.8	80	85	63	94	93	92	47
27	56.09	56.22	56.40	54.77	54.97	56.67	24.3	24.5	29.5	28.5	27.2	25.5	31.2	23.5	91	87	72	71	75	86	3.5
28	55.33	55.46	56.61	55.68	56.69	58.06	25.5	25.4	28.1	26.8	25.8	25	29.5	24.2	85	84	70	84	92	92	31.5
29	57	57.45	58.13	57.13	57.65	59	25	25	28.5	29	27.8	26.5	30	23	88	83	73	71	75	80	------
30	57.84	58.01	58.45	56.74	57.66	59.24	25.8	25	29.6	31.6	25.9	25.6	31.9	24.2	82	85	71	61	88	85	16.8
31	58.11	56.99	58.16	56.96	58.22	58.53	24.8	24.5	29.2	29.8	24	23.8	30.5	23.3	81	79	73	70	91	89	6.1
Mean	57.45	57.57	58	56.42	57.04	58.48	25.4	25.3	29.6	30.1	27.7	26.1	31.5	24.2	85.3	85.6	69.6	67.3	77.5	83.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	224.9

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	Calm	E	SSW	Calm	20.4	29.6	65.7	15.3	131	5	Ci.	Cu. E	7	----------	Cu.-N. E
2	Calm	Calm	SW	SE	Calm	Calm	16.7	26.4	28.7	9.6	81.4	8	Ci.-S.	Cu.-N. E	9	----------	Cu.-N.
3	Calm	Calm	SE	NE	Calm	Calm	13.9	28.6	30.1	15.3	87.9	6	A.-Cu. E	Cu.	10	----------	N. SW
4	SW	Calm	Calm	E	Calm	Calm	26.8	24.4	39.3	13.1	103.6	7	----------	S.-Cu. SW	7	Ci.-S.	Cu.-N. E
5	NE	Calm	Calm	SE	Calm	SE	22.3	21.5	40.4	19.9	104.1	6	Ci.-S.	Cu.-N. SW	5	Ci.-S.	Cu.-N.
6	Calm	Calm	SE	SE	Calm	Calm	9.7	21.2	36.4	13.2	80.5	6	Ci.	Cu.	5	Ci.-S.	Cu.
7	Calm	Calm	SE	E	E	SW	11.2	32.2	68.9	46.1	158.4	4	Ci.	Cu.	5	Ci.	Cu.
8	Calm	Calm	S	S	Calm	Calm	19.9	23.6	32.2	14.8	90.5	6	Ci.	Cu.	7	Ci.-S.	Cu.
9	Calm	Calm	Calm	SSW	Calm	Calm	19.6	28.7	----	14.8	------	9	----------	Cu.-N.	8	Ci.-S.	cu.-N. SSW
10	Calm	Calm	S	Calm	Calm	Calm	9.9	32.5	49.7	14.8	106.9	7	Ci.-S.	Cu. SSW	6	Ci.	Cu.
11	Calm	Calm	SW	S	E	Calm	15	32.7	62.8	15.8	126.3	4	Ci.	Cu. E	3	Ci.	Cu.
12	Calm	Calm	S	S	Calm	Calm	14.2	34.9	46.4	11.6	107.1	5	----------	Cu. E	4	Ci.	Cu.
13	Calm	Calm	S	S	Calm	Calm	9.4	24.9	39	16.7	90	5	Ci.-S.	Cu.	6	Ci.	Cu.-N.
14	Calm	Calm	E	Calm	Calm	NW	14.3	38.3	46.4	27.8	126.8	3	Ci.	Cu. E	7	Ci.-S.	Cu.-N.
15	N	Calm	Calm	SW	Calm	Calm	27.1	11.3	37.8	16.1	92.3	8	Ci.-S.	S.-Cu.	5	Ci.	Cu. E
16	Calm	Calm	Calm	S	Calm	Calm	12.7	15.3	28.6	11.7	68.3	7	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
17	Calm	Calm	SE	Calm	Calm	Calm	5.9	16.4	25.1	5.1	52.5	7	Ci.-S.	Cu.-N.	8	----------	Cu.-N.NE
18	Calm	Calm	SSW	SW	Calm	Calm	14.5	33.2	53.3	23.4	124.4	8	Ci.-S.	Cu.-N. SW	6	Ci.-S.	Cu.-N. WSW
19	Calm	Calm	W	SW	Calm	SW	23.3	28.4	79.1	32.5	163.3	9	----------	N.-cf. SW	9	Ci.-S.	N.-cf. WSW
20	W	SW	SW	SW	SW	Calm	26.9	114.3	107.2	27.4	275.8	8	Ci.-S.	N.-cf. SW	8	A.-Cu.	Cu. SW
21	SW	Calm	SW	SW	NW	Calm	37.3	63.1	95.8	15.3	211.5	8	----------	S.-Cu. W	8	Ci.-S.	N.-cf. SW
22	Calm	Calm	SW	SW	Calm	Calm	22.3	38.8	69.5	16.1	146.7	8	----------	S.-Cu. W	9	----------	S.-Cu. W
23	Calm	Calm	SSW	SSW	SW	Calm	15.8	59	79.7	34.6	189.1	4	Ci.-S.	Cu. SW	5	Ci.	Cu. SW
24	Calm	Calm	SW	SW	Calm	Calm	11.3	55.5	76.1	17.2	160.1	6	Ci.	S.-Cu.	7	Ci.-S.	Cu. W
25	SW	Calm	Calm	SW	Calm	Calm	39.3	29.6	37.5	11.5	117.9	6	Ci.-S.	S.-Cu.	7	Ci.-S.	Cu.
26	Calm	Calm	SE	N	SE	SW	16.7	34.8	41.2	36.4	129.1	3	Ci.	Cu.	9	----------	Cu.-N. E
27	Calm	Calm	S	Calm	Calm	Calm	15.1	23.3	35	12.4	85.8	7	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
28	Calm	Calm	SSW	SSW	Calm	Calm	19.3	67.5	65	23.9	175.7	9	Ci.-S.	N.-cf. WSW	8	Ci.-S.	Cu.-N. WSW
29	Calm	Calm	SW	SW	Calm	Calm	13.7	51.4	49	18.3	132.4	6	Ci.-S.	Cu. SW	8	----------	cu.-N. SW
30	Calm	Calm	SW	SW	Calm	SW	8.3	53	60.1	25.9	147.3	6	Ci.-S.	Cu. SW	4	Ci.	Cu. SW
31	SW	Calm	SW	W	Calm	Calm	24.4	48.6	48.5	16.3	137.8	5	A.-Cu.	Cu. WSW	7	Ci.	Cu.-N. WSW
Mean	------	------	------	------	------	------	18	36.9	52.5	19.1	126.8	6.3	----------	----------	6.9	----------	----------

CEBU.

[$\phi = 10°\ 18'$ N; $\lambda = 123°\ 54'$ E; barometer above sea, 4.5 meters; gravity correction not applied, −1.84 mm.]

AUGUST, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.35	57.08	57.58	56.44	57.35	58.11	23.7	24.5	30	30.4	28	26.9	30.6	23.2	87	83	68	63	76	81	------
2	57.24	57.11	57.78	57.28	57.95	59.35	26	26	29.5	31.6	29.2	27.4	32.9	24.5	78	75	70	59	60	67	------
3	58.19	58.76	59.56	57.91	58.39	59.79	26.2	25.1	28.9	28.6	25.4	25.2	29.5	24.9	73	86	67	70	87	85	5.1
4	58.74	58.81	59.34	56.76	57.85	58.71	25	25.4	29	30.6	27.6	26.2	30.9	24.5	83	78	68	63	76	82	------
5	57.94	57.46	58.14	56.43	57.36	58.82	25.6	25.7	30.3	30.5	27.5	26	31	24.2	85	80	66	63	79	81	------
6	58.14	58.80	59.03	57.20	58.71	60.02	24.6	24.5	29.5	30.1	25.4	25.3	31.2	24	84	86	67	64	90	88	3.8
7	58.62	59.10	59.65	57.39	58.78	59.61	24.5	24	29.2	31.2	27.5	25	31.9	23.5	89	90	68	61	81	90	4.8
8	58.51	58.64	58.81	56.74	57.57	58.76	24.7	24.5	27.3	28.8	24.3	24	30.2	22.9	91	89	82	74	91	91	60.5
9	57.88	57.89	57.98	56.77	57.11	58.24	24.5	24.4	28.6	26.5	25.9	25.2	30.1	23.2	89	90	76	88	86	89	15.5
10	57.23	58	58.68	56.81	57.45	59.31	25	24.9	29	30	24.6	25	30.6	24	85	84	69	67	91	87	8.1
11	57.81	57.41	58.08	56.96	56.86	58.71	25.2	25.8	29.5	26.4	27	25.6	31	24.5	85	80	68	90	80	89	23.9
12	57.02	57.18	57.95	56.06	56.20	57.88	25.5	25.5	29.5	30.1	28	26.2	31.2	24	88	82	64	60	70	81	------
13	56.88	56.26	57.51	55.60	56.30	58.20	25.8	25.5	29.5	30.4	29.2	26.5	30.8	24.5	81	80	64	69	66	80	------
14	57.30	57.56	57.49	56.45	57.46	58.24	26.3	25.5	29	30.4	27.4	26.4	30.7	25.2	80	85	72	65	80	81	------
15	58.06	58.19	58.63	56.70	57.08	58.71	25.2	25.2	29.9	30.9	29.4	27	31.6	24.6	83	84	69	69	74	80	------
16	57.91	57.96	58.69	56.54	57.41	58.77	26.2	25	30.5	32.4	27.5	25.8	32.8	24.3	82	88	68	61	81	90	4.5
17	57.37	57.86	57.99	55.64	56.80	58.55	25.2	25	29	31	26.5	25.4	31.7	23.9	90	90	74	69	92	90	12.4
18	57.11	57.24	58.38	56.26	56.72	58.15	24.2	24	29.5	30.6	25.9	25	31.9	23.5	91	91	71	62	88	92	37.6
19	56.83	57.06	57.93	56.23	56.98	58.50	25.4	25.5	29.5	29.3	26.6	25	30.5	23.8	91	90	68	72	80	87	.8
20	57.23	57.69	57.58	55.95	57.39	58.60	24.8	24	29.6	30.5	27.6	26	31	23.4	85	87	67	65	81	92	47.5
21	57.31	57.91	59.04	57.19	57.73	58.77	25.8	25	27.5	28	27.1	26.2	29	24	85	87	81	77	82	82	2
22	57.63	58.08	58.96	56.78	57.62	58.91	25.6	24.7	29	29.5	26	25.4	30.5	24.5	85	89	74	70	91	90	1.8
23	57.82	58.04	58.24	55.67	56.42	58.21	24.8	24.5	28	28.1	27.5	26.4	29	24	90	84	70	73	77	81	------
24	57.38	57.86	58.59	56.86	57.52	58.21	25.5	25	29	30.1	26.9	26.4	30.8	24.5	82	83	68	58	80	81	------
25	57.42	57.49	57.83	55.94	56.76	58.29	26	26	30	29.6	29.4	27.4	32	25.6	76	76	64	72	56	67	------
26	56.78	56.88	56.74	54.78	55.14	56.76	26.8	26	29.4	29.5	29	27.7	30.9	25.5	71	76	71	76	64	70	.5
27	55.23	55.36	55.68	53.61	54.39	56.62	26.9	26.4	30.4	30.5	28.6	28	31	26.1	76	76	56	68	63	66	------
28	55.25	55.18	55.79	54.25	55.05	57.12	27.2	26.6	30	30.8	29.5	28	31.4	26.3	68	72	71	67	64	69	------
29	56.56	56.55	56.90	55.63	56.89	58.19	27	26.5	30	29.8	28.2	27.4	31	26.1	71	73	65	66	69	71	------
30	57.40	57.33	57.48	55.74	56.23	57.49	27	26.6	30.6	30.5	29.3	27.7	31.3	25.9	72	75	65	68	79	72	------
31	55.98	56.28	55.74	53.92	54.43	55.37	27.2	26.2	29.6	30.2	29.5	27.5	31	26	74	79	74	73	71	73	------
Mean	57.36	57.52	57.99	56.21	56.96	58.35	25.6	25.3	29.4	29.9	27.5	26.2	31	24.5	82.3	82.8	69.2	68.5	77.6	81.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	228.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Nocn.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	SW	SW	Calm	Calm	30.9	47.3	63.5	10.2	151.9	7	A.-Cu.	S.-Cu.	7	------	S.-Cu. WSW
2	Calm	Calm	SSW	NW	Calm	W	13.6	47.7	49.7	30.5	141.5	7	------	S.-Cu. WSW	5	Ci.-S.	Cu. WSW
3	Calm	Calm	SW	SW	Calm	Calm	18.8	42.3	61.5	11	133.6	9	Ci.-S.	S.-Cu.	8	Ci.-S.	Fr.-Cu. WSW
4	Calm	Calm	SW	SSW	Calm	Calm	10.5	47.7	78.8	12.9	149.9	8	------	N.-cf. WSW	7	A.-Cu.	Cu. WSW
5	Calm	Calm	S	SSW	W	Calm	16.9	60.5	62.2	17.9	157.5	4	A.-Cu.	Cu. SW	3	Ci.	Cu.
6	Calm	Calm	SW	SSW	NE	Calm	13.2	47.2	68.2	17.6	146.2	3	Ci.	Cu.	5	Ci.	Cu. W
7	Calm	Calm	SSW	SW	Calm	Calm	13.2	43	39.4	13.4	109	7	Ci.-S.	Cu.	5	Ci.	Cu. W
8	Calm	Calm	Calm	S	Calm	Calm	7.2	26.2	59.2	13.2	105.8	8	A.-Cu.	Cu.-N.	8	Ci.-S.	Cu.-N. NNW
9	Calm	Calm	SW	Calm	Calm	Calm	12.1	42.8	35.3	8.9	99.1	7	A.-Cu.	Cu. WSW	9	------	Cu.-N. WSW
10	Calm	Calm	SW	SW	Calm	Calm	13.6	43.7	76.6	13.4	147.3	7	------	cu.-N. WSW	6	Ci.-S.	Cu. W
11	Calm	Calm	SW	W	SW	Calm	23.8	67	53.5	25.1	169.4	2	Ci.	Cu. W	8	------	N. WSW
12	Calm	SW	SW	SW	SW	Calm	35.4	76.4	84.5	19.3	215.6	6	Ci.-S.	Cu. SW	7	Ci.-S.	Cu.-N. SW
13	Calm	SW	SW	SW	SW	W	31.9	82.1	116.7	33.9	264.6	6	Ci.-S.	Cu. SW	5	Ci.-S.	Cu. WSW
14	Calm	Calm	SSW	SW	Calm	Calm	18.8	82.8	67.5	22	191.1	7	Ci.-S.	Cu.-N. SW	6	Ci.-S.	Cu. SW
15	Calm	Calm	SSW	SSW	Calm	Calm	16.1	55.4	78.1	9.4	159	5	Ci.-S.	Cu. SW	4	Ci.-S.	Cu. SW
16	Calm	Calm	SSW	SSW	Calm	Calm	15.9	45.3	35.4	27.4	124	2	Ci.	Cu.	4	Ci.	Cu.-N. SW
17	Calm	Calm	SSW	SSW	Calm	SW	17.7	55.2	55.9	44.2	173	6	Ci.	Cu.-N. SW	5	Ci.	Cu.
18	Calm	Calm	S	SSW	Calm	Calm	15.3	30.9	44.2	22	112.4	9	------	cu.-N. WSW	6	Ci.-S.	Cu.-N. WSW
19	Calm	Calm	SW	W	Calm	Calm	8.7	40.8	54.3	11.5	115.3	6	Ci.-S.	Cu.	6	Ci.	Cu. WSW
20	Calm	Calm	SSW	SW	Calm	Calm	5.1	56.3	68.7	17.4	147.5	5	Ci.-S.	Cu. WSW	4	Ci.	Cu. WSW
21	Calm	Calm	SW	WSW	Calm	Calm	8.2	33.7	39.1	24.3	105.3	7	Ci.-S.	cu.-N. WSW	9	------	Cu.-N. WSW
22	Calm	Calm	SW	SW	Calm	Calm	11.5	60.9	57.5	14.5	144.4	7	Ci.-S.	cu.-N. WSW	8	------	Cu.-N. WSW
23	Calm	WSW	SW	SW	SW	Calm	33	48.3	80.5	15.3	177.1	9	------	cu.-N. WSW	7	Ci.-S.	Cu. W
24	WSW	Calm	SW	SW	SW	Calm	33.4	58.1	57.1	26.2	174.8	7	------	s.-cu. WSW	8	Ci.-S.	Cu. WSW
25	Calm	Calm	SSW	SW	SW	Calm	14.9	64.6	78.9	18.7	177.1	8	A.-Cu.	Cu. WSW	7	Ci.-S.	Cu. W
26	W	Calm	SSW	SW	SW	W	25.6	86.5	96	33.4	241.5	7	Ci.-S.	Cu. W	6	Ci.-S.	Cu. W
27	WSW	SW	SW	SW	WSW	SW	54.7	100.9	140.9	75.8	372.3	6	Ci.-S.	Cu. SW	6	Ci.-S.	Cu. W
28	WSW	WSW	SW	SW	Calm	WSW	61	108.1	121.2	46.3	336.6	8	Ci.-S.	Cu. WSW	6	Ci.-S.	Cu. SW
29	SW	WSW	SW	WSW	WSW	WSW	35	98.2	79.1	42.3	254.6	4	Ci.	Cu. SW	8	Ci.-S.	Cu.-N. W
30	W	Calm	S	SSW	Calm	Calm	33.5	70.3	76.1	26.4	206.3	8	------	s.-cu. WSW	7	Ci.-S.	Cu. W
31	Calm	Calm	SW	SW	SW	Calm	22.8	85.2	87.8	39.7	235.5	7	A.-Cu. E	Cu. SW	9	Ci.-S.	Cu. W
Mean	------	------	------	------	------	------	21.7	59.9	69.9	24	175.5	6.4	------	------	6.4	------	------
Total	------	------	------	------	------	------	------	------	------	------	5,439.2	------	------	------	------	------	------

CEBU.

[$\phi = 10°\ 18'$ N; $\lambda = 123°\ 54'$ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.84 mm.]

SEPTEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	54.38	54.81	55.64	53.90	54.66	56.07	27.5	27.3	30.5	30	29	28	31.5	26.5	72	70	65	71	68	68	
2	55.38	56.41	56.35	54.74	55.81	57.05	26.8	25.5	28.5	30.5	29.5	27.5	31.9	24.9	74	78	74	68	58	66	
3	55.87	56.53	57.51	55.91	56.26	58.16	26.8	26.4	28	30	29.7	27	31.2	26	72	81	81	74	64	72	0.8
4	57.23	57.95	58.23	56.44	56.91	58.28	26.5	26.4	30.5	31.7	29	26.5	32.5	24.5	74	78	68	52	64	76	
5	56.84	57.37	58.17	57.17	57.69	58.89	25.4	24.6	32.2	32	27.5	26.6	34	24.4	76	75	56	57	88	83	.5
6	57.33	57.41	58.65	56.64	57.63	59.24	25.6	25	29	29	25.3	24.8	31	23.8	85	86	74	74	89	89	28.3
7	57.78	57.22	57.05	54.29	55.48	56.44	24	23.5	24	26.9	24	23.8	27.5	22.9	93	92	91	75	91	92	20.1
8	55.80	57.15	57.82	56.64	57.42	58.99	23.6	24.2	28.5	29	25.5	24.6	30	23	90	90	70	74	89	90	1.3
9	58.24	58.40	58.91	57.27	57.93	59.45	24	24.9	29.5	30.5	28	26.4	31.2	23.5	87	80	69	67	81	81	
10	58.03	58.19	58.39	56.78	57.18	58.31	25.4	25	30	31	28.5	26	31.9	24.7	79	80	67	61	78	80	
11	57.12	57.58	58.36	56.29	56.59	58.17	24.8	24.9	29.6	29	28	26.2	30.7	23.4	82	81	66	71	82	82	
12	57.01	58.46	57.72	56.05	56.76	57.50	25.8	25.1	30.1	31	29.5	27.6	32.4	24.7	84	83	65	62	64	71	
13	56.90	57.12	57.34	54.93	55.57	56.81	26.8	26	31.1	30.5	28.5	27.6	32.5	25.3	74	76	63	68	64	69	
14	55.52	54.88	55.49	53.04	53.71	54.39	26.8	26.4	30.2	31	28	27.2	33.2	26	77	80	60	59	70	72	.5
15	53.07	53.01	54.01	52.55	52.89	54.13	27	27	29	27.5	26.3	26.8	30	25.3	74	75	74	81	78	75	15.3
16	53.90	55.06	56.55	54.19	55.31	57.11	26.2	25.3	26.7	29.1	27.5	27	29.4	24.5	85	89	77	64	73	73	.3
17	56.29	56.74	56.56	56.34	56.59	57.86	26.4	26	30	29	29	26.9	30.2	25.6	77	80	67	77	71	77	1.5
18	56.73	56.99	57.01	55.09	55.94	56.71	26	25.6	29.5	32	28.5	27.2	32.4	25	82	83	71	57	67	74	
19	55.44	55.56	55.89	54.53	54.99	56.43	26	25.3	29.5	27.5	26.1	26.4	30	24.5	81	82	71	88	83	82	16
20	55.83	56.22	56.99	55.49	56.08	57.87	25.5	25.5	29.5	28.7	26.5	26.2	30	24.7	85	84	64	66	73	75	
21	56.82	57.63	58.26	56.51	57.35	58.66	25.2	25.1	29	29.5	28.5	26.2	30.2	24.3	77	79	68	74	78	81	
22	58.38	58.92	59.73	57.84	58.81	60.14	24.2	23.9	29.5	30.5	28	26.8	31	23.5	86	88	68	65	79	81	
23	59.29	59.46	59.79	57.93	59	59.87	24.9	24.9	31.1	26.5	26.5	25.2	32.6	23.9	84	83	64	87	88	90	7.9
24	58.41	58.52	59.06	56.65	57.12	58.72	24	24	27.5	30.3	25.1	24.8	31.5	23.5	91	91	81	70	95	89	9.9
25	57.55	57.57	58.46	55.79	56.71	58.02	24.4	23.9	30.9	30.5	27.5	26.2	31.5	23.7	90	92	66	75	81	84	
26	57.03	56.74	57.43	54.89	55.51	57.45	25	25	32	30.3	28	27	33	23.7	87	83	60	68	81	81	
27	56.67	56.26	57.55	55.54	56.24	58.39	26.5	26	30.1	30.7	29.4	27.5	31.4	25.5	80	76	69	67	72	76	
28	57.85	58.27	59.44	56.58	57.14	58.89	26.4	26.6	29.8	31	29	27.4	31.4	25.7	79	80	73	62	71	78	
29	57.65	58.05	58.82	56.71	57.46	58.14	27.2	27	30.3	32	29	26.2	33.2	25.1	77	77	60	46	74	78	
30	57.34	57.67	58.24	56.23	56.86	59.13	25.8	25.7	29.7	31.6	28.9	27	31.8	24.6	78	78	69	56	74	81	
Mean	56.72	57.04	57.65	55.76	56.45	57.84	25.7	25.4	29.5	30	27.8	26.5	31.4	24.6	81.1	81.7	69	67.9	76.3	78.9	
Total																					102.4

Day.	Wind. Direction.						Wind. Total movement in 6 hours.				Total movement in 24 hours.	Clouds. 6 a. m.			Clouds. 2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	W	SW	SW	SW	W	37.5	72.3	90.1	41	240.9	9		S.-Cu. W	8	A.-Cu.	Cu. W
2	W	SW	SW	SSW	W	Calm	48.6	81.3	89.5	23.1	242.5	8		S.-Cu. W	7	A.-Cu.	Cu. W
3	Calm	Calm	SW	SW	SW	Calm	26.2	79.9	96.4	38.1	240.6	6	Ci.-S.	Cu. SW	8		S.-Cu. WSW
4	Calm	Calm	SSW	SW	WSW	Calm	13.2	65.2	74.2	10.8	163.4	4	Ci.	Cu. WSW	4	A.-Cu.	cu. WSW
5	Calm	Calm	SSW	Calm	Calm	Calm	11.6	29.2	36.7	6.2	83.7	5	A.-Cu.	Cu.	8		Cu.-N. WSW
6	Calm	Calm	SW	S	Calm	Calm	7.5	28.5	26.6	8.3	70.9	8	A.-Cu.	Cu.-N. W	9		Cu.-N. NNW
7	Calm	Calm	SW	WSW	SW	W	16.1	34.4	42.8	35.2	128.5	10		N. NW	9		Cu.-N. N
8	Calm	Calm	SW	SW	SW	Calm	8.5	57.6	83.1	7.8	157	6	Ci.-S.	N.-cf. W	7	Ci.-S.	Cu.-N. WSW
9	Calm	Calm	SW	SW	Calm	Calm	11.8	72.9	86.3	12.7	183.7	3	Ci.	Cu. WSW	5	Ci.	Cu. SW
10	Calm	Calm	SW	SW	WSW	Calm	24.6	71.9	70	14.8	181.3	3	Ci.	Cu.	4	Ci.-S.	Cu. W
11	Calm	Calm	SW	SW	SW	Calm	21.1	62.6	78.7	21.5	183.9	2	Ci.	S.-Cu. W	7	Ci.-S.	Cu. W
12	W	Calm	SW	SW	WSW	W	24.7	58.2	76.4	30.6	189.9	5	Ci.-S.	Cu. W	5	Ci.-S.	Cu. W
13	Calm	W	SW	SW	SW	W	18	70.2	98	49.3	235.5	8	Ci.-S.	Cu. W	6	Ci.-S.	Cu. W
14	WSW	Calm	SW	WSW	SW	SW	37.5	56.6	62.3	39.4	195.8	8	Ci.-S.	Cu. W	7	Ci.-S.	Cu. W
15	SW	SW	SW	SW	SW	SW	50.2	99.6	98.7	85.5	334	8	Ci.-S.	Cu.-N. W	7	A.-Cu.	Cu.-N. WSW
16	SW	SW	SW	SW	SW	W	67.6	103	118	55.8	344.4	8		Cu.-N. SW	9		cu.-N. SW
17	WSW	SW	SSW	WSW	Calm	SW	48.9	99.2	59.2	24.7	232	7	A.-Cu.	Cu. SW	9		Cu.-N. W
18	W	Calm	SW	WSW	W	W	28.5	71	92	34.8	226.3	6	Ci.-S.	Cu. W	6	Ci.-S.	Cu. W
19	Calm	Calm	SW	SW	SW	WSW	9.7	80.7	65	46.5	201.9	5	Ci.-S.	Cu. W	9		Cu.-N. W
20	W	Calm	SW	WSW	W	Calm	23.8	75.6	81.6	31.1	212.1	7	A.-Cu.	Cu.-N. SW	8	Ci.-S.	cu.-N. SW
21	Calm	Calm	SW	SW	Calm	Calm	22	40.4	67.9	12.7	143	7		s.-Cu. WSW	7	A.-Cu.	Cu. SW
22	Calm	Calm	SSW	SW	W	Calm	11.5	50.1	71.4	17.2	150.2	8	Ci.-S.	S.Cu.	5	Ci.-S.	Cu. SW
23	Calm	Calm	S	Calm	Calm	Calm	12.3	34.1	35.7	15	97.1	5	Ci.	S.-Cu. W	8		Cu.-N. W
24	Calm	Calm	W	S	Calm	Calm	24.1	26.2	31.9	18	100.2	7	Ci.	s.-cu. NNE	8	Ci.-S.	Cu.-N. N
25	Calm	Calm	S	SW	Calm	Calm	19	35.7	35.1	8	97.8	5	Ci.	Cu. N	6	Ci.-S.	Cu.-N. N
26	Calm	Calm	W	SW	SW	Calm	10.3	55.5	78.6	33.5	177.9	5	Ci.-S.	Cu.	5	Ci.	Cu. W
27	W	SW	SW	SW	SW	Calm	25.57	67.67	118.9	33	245	5	Ci.	Cu. SW	5	Ci.	Cu. SW
28	Calm	SW	SW	SSW	Calm	Calm	20.4	81.9	87.7	20.1	210.1	4	Ci.	Cu. SW	3	Ci.	Cu. SW
29	W	Calm	SW	SW	SW	Calm	29.6	77.9	88.8	15.9	212.2	6	A.-Cu.	Cu. SW	6	A.-Cu.	Cu. W
30	Calm	Calm	SSW	SW	Calm	Calm	16.3	75.6	75.8	10.3	178	3	A.-Cu.	Cu. W	3		Cu. W
Mean							24.2	63.8	73.9	26.7	188.7	6			6.6		
Total											5,659.8						

CEBU.

[ϕ=10° 18′ N; λ=123° 54′ E; barometer above sea, 4.5 meters; gravity correction not applied, —1.84 mm.]

OCTOBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.65	58.99	58.84	56.94	57.79	59.54	26.6	25	29.5	30.4	29.5	26.8	31.6	24.5	83	83	68	64	68	81	------
2	58.60	59.46	60.28	58.35	59.64	60.79	25.6	25	32	31	28.6	26.3	34	24	85	88	66	65	73	83	------
3	59.41	59.89	60.58	58.03	59.66	60.12	25.4	25	30.4	33.5	24.6	25	34.2	22	88	90	71	56	91	92	31.7
4	58.47	59.25	59.64	57.33	58.31	59.27	24.6	24.9	31.5	30.9	25.5	25.2	32.7	24	91	90	64	69	88	90	2.5
5	57.41	58.46	58.98	56.85	58.54	58.91	24.5	24.5	31	27.6	25.2	24.6	32.4	24	92	92	64	86	90	93	6.9
6	58.23	58.87	59.06	57.35	58.27	60.16	24.4	24	29.5	26	25.5	25.5	30.9	23.7	91	91	68	84	88	89	7.1
7	58.33	59.97	60.43	58.41	59.22	60.19	24.8	24.5	29.4	26.7	26	25.4	30	23.7	90	92	68	75	73	84	9.4
8	58.47	60	60.28	57.37	58.58	60.14	25.2	25.1	29.5	30.3	28.2	26.8	31.2	24.4	83	83	69	66	72	80	------
9	58.26	58.81	59.23	56.96	57.60	59.05	26	25.1	29.4	29.5	28	26.3	30.8	24.7	81	82	71	69	67	76	------
10	57.69	58.27	58.70	56.51	56.84	57.91	25.9	26.5	29.2	30	28	25.7	31.4	24.5	80	76	66	67	70	83	21.6
11	57.37	57.94	58.69	56.29	56.71	58.17	25.4	24	28.6	29.1	27.5	26.2	30.5	23.6	84	91	71	77	73	81	------
12	57.52	57.64	58.66	56.56	57.46	58.71	25.4	25	29.5	27	27.5	26	30.3	23.9	85	88	71	79	80	85	1.5
13	57.86	57.82	58.34	55.69	56.42	56.98	25.4	24.7	30.3	27.5	25.6	24.8	31.7	23.9	88	91	68	87	92	88	9.9
14	55.93	55.32	55.45	53.02	54.36	53.81	24	24.9	27.9	29	25	24.2	29.3	23.6	93	92	84	85	92	93	92.8
15	52.34	51.30	50.62	46.51	43.66	35.86	24.4	25.9	26.2	25.2	24.4	23.6	27.4	23	92	82	82	86	90	93	[a] 299.7?
16	42.36	48.32	51.39	51.63	53.71	55.66	24	23.8	24	26.5	27	26.2	27.4	23.2	96	91	91	78	77	85	37.2
17	55.59	57.36	58.55	57.11	58	59.24	26.4	26	28.4	28	26	25.5	29.7	24.4	81	80	75	77	84	84	2
18	59.06	59.47	59.60	57.45	58.51	60.10	24	24.5	31	31.4	28	27	32.9	23.3	90	89	70	66	85	88	1
19	59.26	59.75	60.10	57.59	58.26	59.17	26.2	25	29.7	28.5	27.5	26.2	31.5	24.7	87	90	75	74	84	89	.5
20	58.12	58.52	58.90	56.55	57.49	58.89	25.4	24	30.4	30.6	28.5	26.3	31.8	23.5	87	83	65	62	74	82	------
21	57.96	58.80	59.61	56.51	58.26	59.97	25.7	24.5	30.5	31	27.6	25.8	31.5	24.3	86	91	65	64	83	87	------
22	58.09	58.85	59.21	56.94	57.59	58.74	24.2	24.5	30.3	29	27	25.5	31.9	23.5	91	91	66	78	84	88	------
23	57.38	58.27	58.54	56.11	57.56	58.29	25.3	25	31	31.1	24.5	24.5	31.5	23	89	88	68	69	92	92	29.2
24	57.15	58.28	58.94	56.31	57.36	58.06	25	24.5	28	28.5	24.8	24.8	30	23.9	89	87	80	85	92	92	32
25	57.23	57.34	58.16	56.28	57.31	58.51	24.4	24	30	29.6	27	25.9	31.5	23.5	90	91	68	70	83	87	1
26	57.33	57.49	58.39	56.75	57.29	58.90	24	23.6	29	29.7	27.8	26.3	30	23.4	90	90	74	67	82	85	2.3
27	58.33	58.85	59.84	58.02	58.34	59.71	25.6	24.5	31	32.5	28.5	26	33	24.2	88	87	69	61	78	84	------
28	58.97	59.33	60.10	57.70	58.46	59.67	25.6	25.1	30.3	32.7	28	26.5	33	24.6	87	89	70	50	77	83	------
29	58.01	58.30	59.59	57.28	58.38	59.27	25	23.8	29.5	30	27.5	25	30.9	23.3	85	85	70	65	76	86	------
30	58.53	58.96	60.58	57.32	58.80	60.59	24.2	24.5	30	31	28.2	26	32	23.5	86	86	71	57	76	84	------
31	59.42	59.73	60.49	57.93	58.99	60	25.2	24.8	31.4	30.6	28.5	27.5	31.9	23.6	87	87	61	68	78	70	------
Mean	57.40	58.05	58.70	56.44	57.33	58.21	25.1	24 7	29.6	29.5	27	25.7	31.3	23.8	87.6	87.6	70.6	71.2	81	85.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	588.3?

Day.	Wind. Direction.						Wind. Total movement in 6 hours.				Wind. Total movement in 24 hours.	Clouds. 6 a. m.			Clouds. 2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	SSW	SW	WSW	Calm	11.8	71.4	74	18.7	175.9	4	Ci.	Cu. SW	3	Ci.	Cu. SW
2	Calm	Calm	SE	E	E	Calm	12	30.6	57.6	15.9	116.1	5	Ci.-S.	Cu.	5	Ci.	Cu. W
3	Calm	Calm	SSW	SE	Calm	Calm	9.3	52.5	44.8	18.4	125	2	----------	Cu.	6	Ci.	Cu. SW
4	Calm	Calm	SE	E	Calm	Calm	21	36.5	31.3	12.4	101.2	8	Ci.-S.	Cu.	8	Ci.-S.	Cu. N
5	Calm	Calm	S	Calm	NE	Calm	12.3	29.9	41.3	14.1	97.6	5	Ci.	Cu.	8	----------	Cu.-N.
6	Calm	Calm	SW	NW	Calm	Calm	12.1	49.7	47.9	7.8	117.5	8	----------	Cu.-N. SW	7	Ci.-S.	Cu.-N. W
7	W	SW	S	W	Calm	Calm	13.7	61.7	54.3	12.9	142.6	9	----------	N. WSW	8	----------	Cu.-N. WSW
8	Calm	Calm	SW	SW	Calm	Calm	11	75.6	88.8	12.6	188	7	----------	S.-Cu. SW	6	Ci.-S.	Cu. WSW
9	Calm	Calm	SW	SW	WSW	Calm	11.7	81.1	73.7	19.3	185.8	7	Ci.-S.	Cu. SW	7	Ci.-S.	Cu. SW
10	Calm	Calm	SW	SW	Calm	Calm	13.6	80.4	86.5	20.9	201.4	6	A.-Cu.	Cu. SW	6	A.-Cu.	Cu. SW
11	Calm	WSW	SW	SW	SW	Calm	23.1	51.2	67.8	14.9	157	8	----------	Cu.-N. WSW	7	Ci.-S.	N.-cf. WSW
12	Calm	Calm	S	Calm	Calm	Calm	8.9	33.8	30.3	8.5	81.5	8	Ci.-S.	Cu. W	9	----------	N.-cf. W
13	Calm	Calm	SE	Calm	Calm	Calm	8.3	31.2	18.8	9.7	68	6	A.-Cu.	N.-cf. W	8	Ci.-S.	Cu.-N. NW
14	Calm	Calm	W	Calm	NE	W	9.7	25.4	18.4	28.2	81.7	9	Ci.-S.	Cu.-N. N	9	Ci.	Cu.-N. N
15	W	NW	NW	NNW	NW	WNW	41	86.3	176.4	356.6	660.3	10	----------	Cu.-N. NNE	10	----------	N. N
16	SSW	SW	SW	SW	SW	SW	437.5	315.9	193.6	189.9	1,136.9	10	----------	Cu.-N. SW	10	----------	Cu.-N. SW
17	SW	SW	SW	W	Calm	Calm	160.9	94.1	67.6	14.5	337.1	7	Ci.-S.	Cu.-N. SW	8	----------	Cu.-N. SW
18	Calm	Calm	SE	E	Calm	Calm	24.1	27.9	32.4	19.7	104.1	5	A.-Cu. W	Cu.-N. SW	5	Ci.	Cu. SSW
19	SE	Calm	SSE	Calm	Calm	Calm	33.3	42.8	54.7	18.2	149	7	A.-Cu.	N.-cf. E	8	Ci.-S.	Cu.-N. NNE
20	Calm	Calm	E	Calm	Calm	Calm	22	59.2	34.1	29	144.3	3	Ci.	Cu. NNE	5	Ci.	Cu. NNE
21	Calm	Calm	NE	S	Calm	Calm	13.7	34.1	60.7	16.9	125.4	3	Ci.	Cu. NE	7	Ci.-S.	Cu. N
22	Calm	Calm	E	E	Calm	Calm	23.3	36.4	35.2	13.9	108.8	3	Ci.	Cu. NE	6	Ci.	Cu.-N. NE
23	Calm	Calm	SSE	Calm	Calm	Calm	21.3	42.1	42.6	16.4	122.4	6	Ci.-S.	Cu. NE	4	Ci.	Cu. NE
24	N	Calm	E	E	W	Calm	26.9	33.4	44.6	21.7	126.6	5	Ci.	Cu. NE	7	Ci.-S.	Cu.-N. WNW
25	Calm	Calm	SE	SW	Calm	Calm	19.3	35.8	41.3	17.7	114.1	7	Ci.-S.	Cu.-N. NNE	8	Ci.-S.	Cu.-N. NNE
26	Calm	Calm	SSW	SSW	Calm	Calm	17.4	57.6	81.3	20.1	176.4	4	A.-Cu.	Cu. SW	5	Ci.	Cu. SW
27	E	NNE	SSE	SSE	Calm	Calm	26	35.6	39.7	22.5	123.8	3	Ci.	Cu. SW	4	Ci.	Cu. SW
28	NE	Calm	ENE	E	NNE	N	34.8	67.5	77.2	32.2	211.7	5	Ci.	Cu. N	4	Ci.	Cu.
29	NE	Calm	E	E	Calm	N	27.1	78.9	84.4	26.6	217	3	Ci.	Cu. NE	7	Ci.-S.	Cu. NE
30	Calm	Calm	S	S	NE	Calm	26.4	45.5	61.5	20.1	153.5	5	----------	S.-Cu. NNE	3	Ci.	Cu.
31	Calm	Calm	SSE	E	Calm	Calm	26.9	40.4	60.4	26.9	154.6	2	Ci.	Cu.	5	Ci.	Cu.
Mean	------	------	------	------	------	------	37.4	59.5	62	34.7	193.7	5.8	----------	----------	6.5	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	6,005.3	----	----------	----------	----	----------	----------

[a] Approximate estimate made by the observer as the rain-gauge was blown down by a NW gale at about 7 p. m. of the 15th.

CEBU.

[$\phi = 10°\ 18'$ N; $\lambda = 123°\ 54'$ E; barometer above sea, 4.5[a] meters; gravity correction not applied, —1.84 mm.]

NOVEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.04	58.74	58.80	56.49	56.84	58.02	25.4	25.4	24.1	23.5	24.4	24.8	26	23.2	84	88	96	96	92	91	69.9
2	57.33	58.97	60.10	57.70	58.96	60.04	25.4	26	29	29	26	24.5	30.9	24	84	81	67	70	88	87	------
3	59.23	59.61	59.95	57.49	58.88	59.97	24.5	24.4	30.1	31	27	25	32	23.5	87	88	64	59	81	88	------
4	58.39	58.85	59.48	57.06	58.13	59.01	24.8	25	29.5	30.5	27.9	25.8	31	24.3	88	89	72	59	71	79	------
5	58.22	58.16	58.79	57.28	57.17	56.56	25.6	25	29.6	25.1	26.5	24	30	23.5	83	83	61	83	73	91	42.7
6	54.80	50.68	55.76	55.31	56.94	58.62	23.4	25.5	26.1	28.5	27	26.2	29.6	23	90	91	85	78	78	81	21.1
7	57.81	58.90	59.37	57.46	58.60	59.91	24.7	24.5	30.5	30.5	27.5	26	30.9	24.1	92	92	68	68	81	83	------
8	59	59.50	60.54	57.90	58.53	59.66	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
9	58.70	58.82	59.29	56.85	57.36	58.64	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
10	57.56	58.17	58.76	56.63	57.71	59	------	------	------	------	------	------	------	------	------	------	------	------	------	------	.5
11	58.50	58.87	59.74	57.78	58.61	59.31	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
12	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
13	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
14	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
15	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
16	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
17	58.67	58.74	59.24	57.03	57.84	58.93	25.7	26	29.2	30.9	29.5	27	31.4	25	78	79	69	54	61	77	------
18	58.13	58.53	59.19	57.12	57.87	58.53	26	26.5	29.5	30.5	29.1	26.5	31.1	25.4	78	78	64	59	57	70	------
19	57.67	58.54	58.77	56.24	57.01	58.35	25.8	25	30	30.3	29.5	26.9	31	24.5	82	87	67	60	66	74	------
20	57.96	58.09	58.26	56.12	56.92	57.58	26.4	26	29.5	32.3	29	26.5	32.6	25	76	76	68	59	68	74	------
21	57.16	57.58	57.93	55.79	56.88	58.20	25.6	25.6	29.5	31.4	28.5	26.5	31.9	24.9	81	83	68	63	57	70	------
22	57.66	57.69	58.21	56.19	57.27	58.59	25.4	26.4	30.1	31.5	29	25.5	31.8	24.5	82	76	67	59	68	92	2
23	57.04	57.39	57.99	55.47	56.94	57.35	25.3	25.3	30	30.6	27.5	27.4	32	25.1	84	85	61	55	66	67	------
24	55.24	55.42	55.70	52.86	53.45	51.96	27	27	28.3	26.5	25	26.8	28.5	23.1	70	79	75	88	96	78	143.2
25	48.28	50.43	54.05	54.20	56.06	57.55	25	24	28.5	28.4	26.1	24.7	29.6	23	92	91	67	70	82	84	------
26	57.58	58.46	58.37	56.30	57.08	58.69	23.5	24	29.6	30.8	28.3	26	31.2	23	87	85	67	64	72	84	------
27	58.26	58.41	58.61	56.22	55.84	55.35	25.3	25.7	29.5	29.5	27.8	27	31.7	24.4	83	81	72	78	67	73	13.7
28	53.66	53.94	53.77	53.24	54.54	56.75	25	25	26	27.2	27.6	26.9	28.6	24.3	92	91	91	78	81	81	2.5
29	56.02	57.10	58.05	56.62	58.03	59.39	26	26.5	28.6	30.5	28.5	26	31.4	24.8	85	84	70	65	71	79	7.9
30	58.64	59.20	59.98	58.03	59.04	60.18	25.7	25.5	30.9	31.5	28.5	27	31.9	24.2	83	84	63	59	78	83	63
Mean	57.18	57.55	58.35	56.38	57.30	58.25	25.3	25.4	29	29.5	27.6	26	30.7	24.1	83.9	84.3	70.6	67.4	74	80.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	[b]366.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	NNW	NW	W	SW	W	17.3	29.8	63.1	48.3	158.5	10	----------	Cu.-N. NNE	10	----------	Cu.-N. WSW
2	SSE	SSE	SW	W	Calm	Calm	61.4	80.2	51.4	31.1	224.1	8	----------	Cu.-N. S	7	Ci.-S.	Cu. S
3	N	Calm	SE	S	ENE	Calm	27.4	30.9	66.3	29.1	153.7	4	A.-Cu.	Cu.	4	Ci.	Cu.
4	Calm	Calm	E	E	Calm	NE	34.5	79.1	95.7	33.9	243.2	5	Ci.-S.	Cu.	3	Ci.	Cu. NE
5	NE	Calm	NNE	N	N	W	35.4	42.8	35.7	30.1	144	7	Ci.-S. E	cu.-N. NNE	9	Ci.-S.	cu.-N.NNE
6	SW	N	SE	S	SW	SW	96.2	174.1	77.2	36.9	384.4	10	----------	N. NNE	8	Ci.-S.	Cu. SSE
7	Calm	Calm	E	E	NE	N	20.6	----	----	45.9	------	8	Ci.-S.	Cu. E	5	Ci.	Cu. E
8	NNE	N	E	ENE	Calm	Calm	39.7	68.1	77.9	----	------	3	Ci.	Cu. NE	6	Ci.-S.	Cu. ENE
9	Calm	Calm	ENE	E	Calm	NE	----	----	81.8	25.4	------	6	----------	S.-Cu. E	4	Ci.	Cu. E
10	NE	N	ENE	E	NE	N	36.5	76.9	92.8	45.3	251.5	3	Ci.	Cu. E	4	Ci.	Cu. E
11	E	Calm	ENE	E	Calm	N	39.6	----	----	----	------	2	----------	Cu. E	3	----------	Cu. E
12	------	Calm	E	E	------	------	----	----	----	----	------	3	Ci.	Cu.	4	Ci.	Cu. E
13	------	------	------	------	------	------	----	----	----	----	------	----	----------	----------	----	----------	----------
14	------	------	------	------	------	------	----	----	----	----	------	----	----------	----------	----	----------	----------
15	------	------	------	------	------	------	----	----	----	----	------	----	----------	----------	----	----------	----------
16	------	------	------	------	------	------	----	----	86.3	68.7	------	----	----------	----------	----	----------	----------
17	NNE	N	NE	E	NE	NE	60.6	73.2	109.4	70	313.2	2	Ci.	Cu. E	3	Ci.	Cu. E
18	N	N	ENE	NE	NE	NE	69.7	95.3	117	42.9	324.9	2	Ci.	Cu. E	4	Ci.	Cu. E
19	Calm	NE	ENE	NE	Calm	NNE	31.6	102.7	160	51	345.3	3	Ci.	Cu. E	4	Ci.	Cu. NNE
20	NE	N	SSW	SW	N	N	39.6	69.7	86.3	46.4	242	4	Ci.	Cu. NNE	7	Ci.-S.	Cu. NNE
21	NNE	N	SSW	NE	N	N	32.7	48.3	80.1	47.5	208.6	4	Ci.	Cu. N	3	Ci.	Cu. NW
22	N	Calm	E	E	Calm	NNE	34.8	67.1	107.8	92.5	302.2	4	Ci.	S.-Cu.ENE	4	Ci.	Cu. ENE
23	NE	N	NNE	N	NE	N	50.5	89.5	117	85	342	7	Ci.-S.	Cu. NNE	7	Ci.-S.	Cu. NNE
24	NNE	NW	Calm	S	SSW	WNW	42	62.6	66	164.2	334.8	9	----------	Cu.-N. N	10	----------	Cu.-N. NNW
25	SW	SW	SW	SW	W	NW	593.7	358.5	147.3	41.3	1,140.8	10	----------	N. WSW	6	Ci.-S.	Cu. SW
26	Calm	Calm	E	E	N	NE	32.5	47.2	69	29.6	178.3	2	Ci.	Cu.	3	Ci.	Cu. E
27	Calm	Calm	NE	Calm	N	N	27.2	74	80.7	115.4	297.3	5	Ci.-S. SE	Cu. NNE	9	----------	cu.-N.NNE
28	N	NNE	NNE	NE	E	SSE	134.4	246.2	214.1	133.3	728	10	----------	Cu.-N. NE	9	A.-Cu.	Cu.-N.NE
29	SW	Calm	SE	SSW	SSW	W	75.5	52	90.9	55.5	273.9	8	A.-Cu.	Cu. S	6	A.-Cu.	Cu. S
30	NW	N	E	S	Calm	W	43.7	31.4	48.3	35	158.4	3	A.-Cu.	Cu.	6	A.-Cu. E	Cu.
Mean	------	------	------	------	------	------	69.9	90.9	92.6	58.5	321.4	5.5	----------	----------	5.7	----------	----------

[a] Beginning with November 17, the height of the barometer above sea level was 9 meters.
[b] 25 days of observation.

CEBU.

[$\phi = 10°\ 18'$ N; $\lambda = 123°\ 54'$ E; barometer above sea, 9 meters; gravity correction not applied, —1.84 mm.]

DECEMBER, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.53	61.39	61.44	59.47	61.02	61.54	24	24	27	29.5	27.5	25.5	30	22	93	91	77	68	78	88	------
2	60.54	60.75	61.44	58.48	59.37	60.39	24.6	24	29.2	29.8	27.7	26.5	30.6	23.5	87	83	72	65	72	80	------
3	59.18	59.24	59.41	56.97	57.65	58.59	25.4	26	28.7	29.5	27	25.6	30.9	23.9	84	80	73	64	70	77	------
4	58.01	58.16	58.67	56.32	57.65	58.65	26	25.5	28.4	29.4	27.3	25.5	30.5	24.2	75	76	69	61	71	75	------
5	57.94	58.26	59.29	56.97	58.62	59.34	25.2	25.6	28	29.6	27.5	26	30.1	24.2	76	77	67	62	73	84	------
6	58.75	59.18	59.81	58.03	59.17	60.34	25.4	25.4	30	29	27.5	26.1	31	23.5	79	79	65	67	73	79	------
7	59.44	60.23	60.51	58.29	59.18	60.25	25.6	25.4	28.5	29.1	27.2	25.5	29.8	24.4	79	81	66	64	81	78	2
8	59.64	59.83	60.21	58.19	58.83	60.05	25	24.5	29	30.4	26.5	25	30.8	23.9	68	71	50	54	62	76	------
9	59.83	59.94	60.57	58.54	58.90	60.44	25.2	25.5	28.5	28.8	27	26	29.3	23.9	79	80	63	62	77	88	11.2
10	59.25	59.98	60.72	58.43	58.94	60.35	24.7	24.5	25.9	28.3	26.8	25.4	28.5	23.5	90	92	88	68	80	93	5.9
11	59.17	59.94	60.88	58.92	59.32	60.82	25.2	25.5	28	28.5	28.1	26	29	24	90	86	67	65	74	80	------
12	59.82	59.93	61.13	58.86	59.52	60.42	26	26	28.5	30	27.5	26.5	30.4	25	76	76	63	57	73	86	19.3
13	59.79	60.14	61.08	59.42	59.84	61.40	24.9	25	28	29.2	25.9	26	30	23.5	91	92	77	66	88	84	15.8
14	60.51	60.81	61.14	59.49	60	60.75	24.8	25.4	28.2	25.6	26	25.8	29	23.6	88	88	74	90	84	89	3.3
15	60.13	60.24	61.24	58.76	59.83	60.84	25	24.6	28.3	29.6	28.7	26.5	30	24	92	91	72	63	66	76	------
16	60.07	60.19	60.23	58.29	59.37	60.34	25.2	25	28.5	28.9	27.9	26	29.6	23.5	83	82	66	65	68	84	------
17	59.66	60.01	60.68	58.18	59.02	59.92	24	23.8	28.9	30.2	28	25.4	30.5	23.5	91	90	62	59	67	84	.3
18	58.80	59.61	60.19	57.48	57.97	58.84	25.2	25	27.8	30	27.5	25.8	30.6	23.9	84	73	57	52	75	84	------
19	57.96	58.85	59.48	57.59	58.57	59.32	24.4	23.5	29	29.6	27.5	25	29.7	22.1	87	82	58	59	77	76	------
20	58.69	58.96	59.52	57.39	58.14	59.09	24	24	29.1	30.3	28	26.5	31	23.3	83	86	70	67	80	84	12.7
21	58.59	58.87	59.06	57.17	57.98	59.14	26.2	26.2	29	29.5	27.9	26	30	24.7	85	88	71	71	74	84	------
22	58.29	58.87	59.79	57.64	58.24	59.72	25.8	25.6	29	29	27.6	26.5	30	24.9	84	83	66	68	83	81	12.2
23	59.57	59.93	60.75	59.03	59.63	61.12	25.8	25	26.8	27.7	27	26	28	23.6	84	92	76	70	77	80	17.5
24	59.36	59.13	60.25	58.31	58.73	60.27	25	24.8	28	29.5	27.5	26	30	23.9	90	88	69	64	77	80	------
25	59.29	59.41	60.32	59.32	60.17	60.64	25.7	25.4	27.4	26	25.5	25.3	28.6	24.2	82	80	71	76	78	78	2
26	59.71	60.39	60.79	58.62	59.35	61.03	24.2	24.5	28	29	27.5	26.2	29.5	23.8	90	87	67	60	75	82	1.8
27	59.84	60.20	60.60	59.07	59.32	60.19	24.8	24.8	28.4	29.1	27.6	26.2	29.6	23.7	88	82	71	70	76	82	.8
28	59.27	60.16	61.22	58.93	59.93	60.72	25.6	25.2	30.4	30.2	27.5	25.8	31.2	24.8	84	82	63	58	78	81	.8
29	60.43	60.75	61.94	59.82	60.34	61.23	25.7	25.5	26.4	27.5	26.9	25.5	28.2	24.5	84	84	79	70	77	80	------
30	61.10	61.01	61.60	59.33	59.62	60.60	25.1	25	27.5	29	27.5	25.8	29.4	23.8	78	77	70	58	68	78	1.3
31	59.64	60.04	60.67	58.60	59.24	60.15	25.6	25	27.2	27.2	27	25.5	27.6	24.5	87	92	75	75	72	81	------
Mean	59.45	59.82	60.47	58.38	59.14	60.21	25.1	25	28.2	29	27.3	25.9	29.8	23.9	84.2	83.6	68.8	65.1	75	81.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	106.9

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	Calm	SSW	S	Calm	NW	89.5	29.2	37.6	34.6	190.9	7	A.-Cu.	Cu.-N.	4	Ci.	Cu.
2	NW	Calm	NE	NE	N	Calm	35	70.2	88.3	39.9	233.4	4	Ci.-S.	Cu.	7	Ci.-S. ESE	cu.-N.NNE
3	N	Calm	SW	Calm	N	W	27.1	47.3	53.6	38.6	166.6	3	Ci.-S.	Cu. NE	7	Ci.-S.	Cu. NNE
4	SW	Calm	SSW	S	N	W	42.3	46.4	46.1	39.7	174.5	7	Ci.-S.	Cu. W	7	Ci.-S.	cu. WSW
5	W	W	SSW	SSW	NW	NW	71	121.9	132.5	47.5	372.9	7	Ci.-S.	Cu.	3	Ci.	cu. WSW
6	NW	NW	NE	NE	Calm	Calm	53	53.3	63.9	24.4	194.6	2	Ci.	Cu.	4	Ci.	Cu. NE
7	N	Calm	NE	NE	WSW	N	57.3	126.8	133.5	60.4	378	3	Ci.	S.-Cu.	4	Ci.	Cu. NE
8	N	N	NE	SW	N	Calm	71.6	125.5	90.1	31.4	318.6	2	Ci.	Cu. NE	4	Ci.	Cu. N
9	NE	Calm	N	NE	NE	NNE	69.9	119	153.5	72	414.4	7	----------	S.-Cu. NE	6	Ci.-S.	Cu. NNE
10	N	NE	NNE	NE	NNE	N	42.6	78.3	146.4	114.1	381.4	9	----------	cu.-N. NNE	6	Ci.-S.	cu.-N.NNE
11	N	ENE	NE	NE	ENE	NNE	87.5	109.2	148.9	110.5	456.1	8	Ci.-S.	Cu.-N. NE	3	Ci.	Cu. NE
12	N	N	NE	NE	Calm	Calm	86.8	148.2	105.6	30.3	370.9	3	Ci.	S.-Cu. NE	4	Ci.	Cu. NE
13	N	NE	NE	NE	NE	N	60.5	110.5	102.4	66.3	339.7	3	Ci.	N.-cf. NE	8	----------	Cu.-N. NE
14	N	NE	NE	NE	NNE	NE	61.2	92.9	97.2	57.8	309.1	7	Ci.-S.	Cu.-N. NE	9	----------	N. NE
15	NE	N	NE	NE	NE	NNE	44.5	112.5	-----	76.9	-------	4	Ci.	N.-cf. NE	3	Ci.	Cu. NE
16	N	NE	NE	NE	NE	NE	59.7	145.4	141.6	88.5	435.2	7	----------	Cu.-N. NE	4	Ci.	Cu. NE
17	N	N	NE	NE	NE	NE	65.9	89.3	87.8	76.4	319.4	3	Ci.	Cu. NE	5	Ci.	Cu. NE
18	N	NNE	NE	NE	NW	N	64.8	100.6	74.3	51.5	291.2	4	Ci.	Cu. NE	5	Ci.-S.	Cu. NNE
19	W	N	S	S	NE	Calm	41.8	35.3	73	30.6	180.7	6	Ci.	Cu. NNE	7	Ci.	Cu. NNE
20	Calm	Calm	NE	SW	Calm	N	30.3	53.1	53.6	22.5	159.5	6	----------	N.-cf. NE	6	Ci.	Cu. NNE
21	NE	Calm	NE	NE	NE	NE	39.4	95	147.8	79.4	361.6	3	Ci.	Cu. NE	4	Ci.	Cu. NE
22	N	NNE	NE	NE	NE	NE	52	97.7	118.5	71.8	340	3	Ci.	Cu. NE	3	Ci.	Cu. NE
23	N	NE	NNE	NNE	NE	N	73.2	103	98.6	77.2	352	9	----------	Cu.-N. NE	8	----------	cu.-N.NNE
24	SW	Calm	NE	NE	NE	NE	46.4	77.2	108.8	82.4	314.8	7	A.-Cu. SE	Cu. NNE	4	Ci.	Cu. NE
25	N	N	NE	NE	NNE	N	74.5	118.6	133.3	83.4	409.8	7	----------	S.-Cu. NE	8	----------	N. ENE
26	N	N	NE	NE	NE	ENE	95	127.1	100.3	99.6	422	7	----------	cu.-N. ENE	3	Ci.	Cu. ENE
27	N	NE	NE	NE	NE	N	80.9	100.3	106.4	66.5	354.1	3	Ci.	Cu. NE	6	Ci.	cu.-N. NE
28	N	NNE	NE	NE	NE	NE	60.1	46.1	107.5	80.9	294.6	4	Ci.	Cu.-N. NE	3	Ci.	Cu. ENE
29	NNE	N	NE	NE	NNE	NNE	79.3	130.9	111.6	111.3	433.1	3	Ci.	S.-Cu. ENE	5	Ci.	Cu. NE
30	N	N	NE	NE	N	N	65.7	137.8	152.9	101.4	457.8	4	----------	S.-Cu. ENE	2	Ci.	Cu. ENE
31	NNE	NNE	NNE	NE	NNE	N	87.4	121.9	135.8	84.5	429.6	9	----------	Cu.-N. ENE	7	Ci.-S.	Cu. ENE
Mean	------	------	------	------	------	------	61.8	95.8	105	66.2	328.6	5.2	----------	----------	5.1	----------	----------

ILOILO.

[$\phi = 10°\ 42'$ N; $\lambda = 122°\ 34'$ E; barometer above sea, 6 meters; gravity correction not applied, −1.84 mm.]

JANUARY, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.64	59.27	59.96	57.79	58.97	59.82	23.2	23	28.2	29	26	24	31.2	22.8	88	87	66	62	72	85	------
2	59.12	59.94	60.67	58.94	59.72	60.72	23	22.7	28.9	29.7	26.6	24.5	30.3	22.5	88	91	53	49	67	78	------
3	59.86	59.98	61.48	59.41	60.17	60.93	23.8	23.4	27	29.6	24.6	24	29.7	23.1	83	85	72	56	82	83	0.3
4	60.60	60.98	61.43	59.31	59.62	60.12	23	22.7	27.8	29.4	26.4	24.5	30.1	22.5	87	85	65	54	64	78	.5
5	59.66	60.02	60.56	58.52	59.12	59.76	23.4	22.5	28.6	29.6	27.1	24.2	30.7	22.4	85	87	60	51	63	82	------
6	58.91	59.02	59.71	58.27	59.68	60.14	24	23.3	29.2	30.4	25	24	30.6	22.9	87	91	63	56	88	88	1.3
7	59.61	60.27	60.76	59.22	59.95	60.14	22.5	23.1	28	28.7	26.5	23.2	29	22.3	94	88	58	53	66	84	------
8	59.89	60.80	61.12	59.11	59.65	59.78	22.4	21.3	27.7	28.5	26.5	24	30.1	21.1	88	93	62	54	69	81	1
9	59.87	60.62	61.25	58.94	59.75	60.57	22.5	22.4	27.4	30	26.5	24	30.3	22.2	94	92	64	56	74	88	------
10	59.92	60.87	61.93	59.46	60.51	61.52	23.5	23.6	25.7	30.5	27.2	24	30.5	22.7	90	90	84	47	53	78	.8
11	60.93	62	62.52	60.01	61.20	61.72	22.1	22.7	28.1	29.8	26.8	24	30.1	22	93	89	68	50	65	81	.8
12	61	61.96	62.57	59.81	61.06	62.23	23.4	23.3	29.5	30.5	26.8	24	30.7	23	86	89	61	53	71	90	2.8
13	61.64	61.74	62.62	59.75	60.91	62.62	23.2	23	27.6	29	26.8	24	30	22.8	97	96	73	61	68	81	.5
14	62.19	62.42	63.43	60.67	61.06	62.09	22.8	21.7	28.2	28.5	26	23	29.5	21.5	88	89	55	49	66	86	------
15	61.37	61.89	62.81	60.50	60.87	62.82	22	21.5	28.2	29.5	27	23.2	30.1	21.4	91	91	60	54	61	83	------
16	62	62.32	63.83	61.09	61.50	62.98	22.8	21.7	28.4	29.7	26.7	23.3	30.4	21.5	85	91	58	45	62	80	------
17	62.47	62.55	63.43	61.22	62.10	63.72	22.6	22	29.3	29.5	27	23.2	30.3	21.6	86	90	53	49	63	84	------
18	62.24	62.29	63.06	61.02	61.61	62.44	22.2	21.6	27.4	28.3	26.7	23.5	30.5	21.4	88	87	61	57	64	84	------
19	62.37	62.72	63.83	61.92	62.02	62.93	22.6	22.2	26.8	28.4	26.5	22.9	29.4	22	87	88	68	59	70	85	------
20	62.57	62.75	63.42	61.05	61.79	62.97	22.3	22.2	28.5	29.1	25.2	23.7	30	21.7	89	89	58	52	72	79	------
21	62.14	62.48	63.27	61.02	61.93	62.84	22.8	21.6	27.6	28.1	25.7	22.2	29.9	21.5	88	90	59	52	71	81	------
22	62.24	62.39	63.55	60.57	60.98	61.95	21.2	20.6	27.7	28.2	26.2	22.4	28.2	19.8	89	87	58	46	57	80	------
23	61.33	61.71	62.75	60.75	61.18	62.54	20.6	20.2	29.2	28.5	26.4	23	30	20.1	90	86	54	60	73	87	------
24	62.12	62.38	63.32	60.96	61.20	62.54	22.2	23.1	28	30.1	27.6	23	30.5	22	89	83	67	46	43	68	------
25	61.67	62.12	63.08	60.79	60.86	62.37	21.6	22	28.2	30	27.5	24.2	31	21.6	84	87	58	45	59	75	------
26	61.67	62.22	63.42	61.13	61.95	63.22	23.1	22	29.1	30.5	27.5	24	31.1	21.7	83	91	57	43	56	78	------
27	63.19	63.50	64.45	62.07	62.45	63.52	23	22	28.5	28.6	26.9	24	30	21.6	84	90	57	54	70	84	------
28	62.67	63.30	63.88	61.27	61.70	63.26	22.3	22	28	28.9	27.2	24	29.5	21.6	88	84	61	58	67	80	------
29	62.27	62.75	63.22	60.60	61.42	62.47	22.4	22.3	29.5	28.7	26.5	24.2	31	21.8	88	88	56	59	72	79	------
30	62	62.04	63.21	60.64	60.84	62.17	23.1	22.4	28.6	30.3	27.5	23.9	31	21.9	83	87	57	42	57	74	------
31	61.54	61.69	62.91	60.33	60.77	62.38	21.9	21.5	28.7	30.5	27.5	24.2	31.1	21.1	90	87	56	46	56	76	------
Mean	61.22	61.64	62.50	60.20	60.86	61.91	22.6	22.2	28.2	29.4	26.6	23.7	30.2	21.9	88.1	88.6	61.4	52.2	65.8	81.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	NE	NE	NE	NE	NE	66.8	102.8	82.3	51.7	303.6	4	Ci.	Cu.	10	Ci.-S.	Cu.
2	NE	NE	NE	NE	NE	NE	53.1	89.5	138.1	56.5	337.2	4	Ci.	Cu.	6	Ci.	Cu.
3	NE	NE	NE	NE	NE	NE	61.5	85.5	139.5	55.8	342.3	8	Ci.	Cu.	5	Ci.	Cu.
4	NE	NE	NE	NE	NE	NE	63.6	98.5	127.3	61.4	350.8	9	Ci.	Cu.	7	Ci.	Cu.
5	NE	NE	NE	NE	NE	NE	61.5	115.9	127.7	52	357.1	5	Ci.	Cu.	2	Ci.	Cu.
6	NE	NE	NE	NE	NE	NE	52.8	100.8	126	72.7	352.3	4	Ci.	Cu.	2	Ci.	Cu.
7	NE	NE	NE	NE	NE	NE	61.4	114.3	175.1	58.1	408.9	9	Ci.-S.	Cu.	3	Ci.	Cu.
8	NE	NE	NE	NE	NE	NE	53.7	84.7	114.3	56.1	308.8	4	Ci.	Cu.	9	Ci.	Cu.
9	NE	NE	NE	ENE	NE	NE	44.6	59.3	111	51.7?	266.6	3	Ci.	Cu.	3	Ci.	Cu.
10	NE	NE	NE	NE	NE	NNE	39.4	69.5	103.3	53.3	265.5	10	Ci.-S.	Cu.	3	Ci.	Cu.
11	NNW	NNW	NE	NE	NE	N	44.6	83.2	121.2	78.9	327.9	10	Ci.-S.	Cu.	7	Ci.	Cu.
12	NNW	NW	NE	NE	NNW	NNW	64.4	72.1	77.2	77.5	291.2	8	Ci.	Cu.	9	Ci.	Cu.
13	N	NW	NE	N	NNE	NW	51.7	114.1	130.7	77.2	373.7	8	A.-Cu.	Cu.	6	A.-Cu.	Cu.
14	NW	NW	NE	NE	N	N	73.5	109.1	147.9	60.4	390.9	3	Ci.	Cu.	7	Ci.	Cu.
15	NW	NW	NE	NE	N	N	66.2	100.9	135.2	82.4	384.7	7	Ci.	Cu.	5	Ci.	Cu.
16	NW	NW	NE	NE	NE	NNE	85.3	124.1	148.9	63.9	422.2	4	Ci.	Cu.	2	Ci.	Cu.
17	NE	NE	NE	ENE	NE	NE	76.1	109.2	170.3	76.9	432.5	0	Ci.	Cu.	6	Ci.	Cu.
18	NE	NNE	NE	NE	NE	N	82.1	130.4	168.7	83.4	464.6	3	Ci.	Cu.	8	Ci.	Cu.
19	N	N	NNE	ENE	NE	NNE	91.7	119.1	177	72.7	460.5	2	Ci.	Cu.-N.	7	Ci.	Cu.
20	NE	N	ENE	ENE	NE	NE	71.6	112.9	150.7	77.7	412.9	5	Ci.	Cu.-N. ENE	6	Ci.	Cu.
21	NE	NE	NE	ENE	NE	NNE	81.8	110.7	152.9	75.4	420.8	5	Ci.	Cu.	4	Ci.	Cu.
22	NE	NNE	NNE	ENE	NE	NW	67.6	-----	152.1	74	-------	4	Ci.	Cu.	3	Ci.	Cu.
23	NW	N	NE	ENE	NE	NE	-----	-----	-----	-----	-------	3	Ci.	Cu.	4	Ci.	Cu.
24	NNE	NNE	NE	ENE	NE	N	64.4	100.4	134.9	73.7	373.4	9	Ci.	Cu.-N. ENE	2	Ci.	Cu.
25	NNE	NNE	NE	NE	NE	N	-----	-----	129.5	72.7	-------	4	Ci.	Cu.-N. ENE	3	Ci.	Cu.
26	NNE	NNE	NE	ENE	NE	NE	71.4	100.4	144.8	83.2	399.8	1	Ci.	Cu.-N.	2	Ci.	Cu.
27	N	NNE	NE	E	NE	NNW	81.8	104.1	169.2	89.8	444.9	1	Ci.	Cu.-N.	3	Ci.	Cu.
28	NE	NE	NNE	ENE	NE	NNE	82.3	119.7	150.5	75.3	427.8	2	Ci.-S.	Cu.-N.	7	Ci.	Cu.-N. NE
29	NW	NNE	NNE	ENE	NE	NNE	73.5	116.4	175.1	79.9	444.9	1	Ci.	Cu.-N.	2	Ci.	Cu.
30	NW	NNE	ENE	ENE	NE	NNE	82.1	114.6	135	69.5	401.2	0	----------	Cu.-N.	2	Ci.	Cu.
31	N	NNW	NE	ENE	NE	NNE	62	94.6	127.4	73.7	357.7	0	----------	Cu.-N. ENE	2	Ci.	Cu.
Mean	------	------	------	------	------	------	66.6	102	138.1	69.6	375.9	4.5	----------	----------	4.7	----------	----------

ILOILO.

[$\phi = 10°\ 42'$ N; $\lambda = 122°\ 34'$ E; barometer aboye sea, 6 meters; gravity correction not applied, —1.84 mm.]

FEBRUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	61.47	62.14	63.01	60.18	60.66	62.36	22.3	21.4	29.4	31.5	27.5	24.3	31.9	21	82	89	59	49	63	78	------
2	61.69	61.87	62.75	60.14	61.14	62.52	22.7	21.5	30	30.5	28	24.1	32	21	84	88	54	56	52	76	------
3	61.38	61.90	62.76	59.87	60.56	61.42	24	22.6	29.2	29	27.5	24.6	30.5	22.3	79	90	60	62	66	78	------
4	61.34	61.89	62.81	60.70	62.04	62.62	23.3	23.2	29.6	28.7	25.2	24.2	30	22.9	88	86	52	63	74	81	------
5	61.88	62.22	63.35	61.01	61.96	63.02	24	23.9	27.3	29.6	27	24.2	30.5	23.5	82	83	72	58	70	83	1
6	62.44	62.90	63.57	61.71	61.93	63.49	23.5	23	28	29.4	27	24.2	30	22.9	86	84	61	50	61	74	------
7	63.12	63.33	63.97	61.71	62.21	63.58	22.8	22	28.1	29.1	27.1	23.7	30.1	21.6	79	80	52	48	57	73	------
8	62.87	63.05	63.68	60.71	61.51	63.24	22.5	21.5	27.6	28.9	27.1	23.4	29.6	21.3	79	83	55	48	54	75	------
9	62.07	62.10	62.66	60.23	60.39	61.99	22.5	22	28.5	30.7	27.7	24.3	31.4	21.9	81	86	52	48	62	80	------
10	61.07	61.16	61.83	59.33	60	61.48	24.6	24	27.1	29	27.9	24.1	30.7	23.4	79	86	72	68	68	91	1
11	60.49	60.58	61.52	59.44	59.85	60.88	23.7	23.4	28.7	31.4	28.9	25	32	23.2	91	92	66	48	59	87	------
12	60.64	60.54	61.11	58.99	58.86	60.83	23.4	23.1	28.6	29.5	27.5	24.6	30.2	22.8	90	90	57	49	62	80	------
13	59.66	59.72	61.02	58.14	58.47	59.81	23.2	22.7	27	29.3	27.4	24.2	30.4	22.6	86	89	65	51	60	71	------
14	58.91	58.97	59.96	57.41	58	59.53	23.1	22.9	29.5	30.4	28.1	26	31.6	22.5	78	80	58	61	70	78	------
15	58.50	58.56	60.06	57.98	58.26	60.05	24.3	24.2	25.7	28.5	28	25.2	31.8	23.9	86	90	91	78	73	83	1.6
16	59.58	59.45	60.32	57.93	58.12	59.73	24.7	24.3	30.3	32.2	29.2	26.3	33.4	23.6	87	93	66	53	64	77	------
17	59.49	59.59	60.72	57.87	58.39	59.49	25	23.7	29.8	32.5	29	26.3	33.5	23.7	85	92	64	50	64	80	------
18	59.54	59.65	60.56	58.81	59.31	60.50	24.2	23.6	30	30.3	28.1	25.6	32	23.3	91	91	59	58	73	82	2.5
19	60.41	60.64	61.43	59.51	60.10	61.54	24.7	24.3	29	26	25	23.5	30.5	23.1	87	91	68	92	89	92	3.6
20	60.14	60.07	61.11	58.99	59.50	61.03	23.1	22.7	28	30	27.6	24.1	31	22	92	91	64	53	60	82	------
21	60.08	60.31	61.42	59.20	59.31	61	24	23.5	29.7	30.7	28.5	25.3	31.6	23.2	82	85	58	55	58	73	------
22	60.54	60.82	61.80	59.15	59.59	60.84	23.5	22.5	29.5	31.5	27.5	25.1	32.5	22.2	82	87	56	46	69	74	------
23	60.78	60.65	61.06	58.59	59.20	60.78	23.2	22.5	28.8	31.9	28.6	25.8	33	22.5	84	89	62	43	54	69	------
24	59.70	59.61	59.91	57.45	58.48	59.65	24	23	30	31	27.6	24.5	32	22.7	79	84	56	53	70	80	------
25	59.65	59.84	60.59	59.03	59.18	59.91	24	23.8	29.9	30.5	28.3	25.2	31.5	23.4	85	87	57	52	56	74	------
26	59.50	59.77	60.79	58.13	58.84	60.45	24	22.7	30.5	31.5	28.5	25.6	32.2	22.3	81	87	53	48	60	76	------
27	59.10	59.36	60.10	57.37	58.02	59.43	24	23.5	29.5	32.2	29.1	25.2	32.5	23.1	86	89	61	46	55	78	.3
28	59.14	59.47	60.29	57.73	57.14	59.07	23.8	22.5	29.2	31.6	28.7	25.2	32.2	22.3	86	88	48	42	53	71	------
29	58.69	58.95	60.05	57.74	57.68	59.25	24.9	23.8	30	31	28.5	26.2	32.1	23.5	79	89	59	50	60	73	1.3
Mean	60.48	60.66	61.52	59.14	59.61	61.02	23.7	23	28.9	30.3	27.8	24.8	31.5	22.7	84	87.6	60.6	54.4	63.3	78.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	11.3

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	NNE	ENE	ENE	ENE	N	56.9	63.4	98.5	56.1	274.9	6	Ci.	Cu.	2	Ci.	Cu.
2	NE	NE	NNE	ENE	NNE	N	53.7	78.9	119.9	64.9	317.4	1	Ci.	Cu.	3	Ci.	Cu.
3	N	N	NE	ENE	NE	NNW	66	96.6	164.4	99	426	1	Ci.	Cu.-N.	2	Ci.	Cu.
4	N	NNE	NE	ENE	NE	N	72.7	117.2	151.1	80.7	421.7	8	Ci.	S.-Cu.	4	Ci.	Cu.-N.
5	NW	NE	NE	NE	NE	N	75.9	117.3	148.1	101.2	442.5	9	Ci.	S.-Cu.	8	Ci.	Cu.
6	N	N	NE	NE	NE	NE	87.2	117.8	173.5	91.4	469.9	10	------	Cu.-N. ENE	4	Ci.	Cu.
7	N	NNW	ENE	NE	NE	N	105.2	140	183.9	83.4	512.5	0	Ci.	Cu.	1	Ci.	Cu.
8	NNE	NNE	NE	ENE	NE	N	82.4	133.3	171.6	76.7	464	1	Ci.	Cu.	2	Ci.	Cu.
9	N	NNE	NE	ENE	NE	NNW	90.9	120.5	152.3	83.2	446.9	2	Ci.	Cu.	5	Ci.	Cu.
10	NNW	N	NE	E	NNE	NNE	83.4	93.8	153.5	85	415.7	9	Ci.	S.-Cu. NE	8	Ci.	Cu.
11	NW	NNW	ENE	ENE	ENE	NNE	69	105.4	130.9	86.7	392	10	------	Cu.-N.	2	Ci.	Cu.
12	N	NE	ENE	ENE	NE	N	73.4	138.7	171.2	83.5	466.8	2	Ci.	Cu.-N.	1	Ci.	Cu.
13	N	NE	NE	ENE	NE	N	80.5	119.6	152.9	69.7	422.7	2	Ci.	Cu.-N.	7	Ci.	Cu.
14	NNW	N	NE	NE	NE	NE	72.2	97.4	112.1	64.1	345.8	2	Ci.	Cu.	9	Ci.	Cu. NNE
15	N	NE	NE	N	NW	NNE	62.6	67.8	82.3	84.3	297	9	------	S.-Cu.	9	Ci.	cu.-N. NE
16	N	NNE	ENE	ENE	NE	NNE	51.5	68.2	111.5	67.3	298.5	9	Ci.	S.-Cu. NE	2	Ci.	Cu.
17	NNE	NNE	E	NE	NE	NE	58.1	78.3	127.3	-----	------	2	Ci.	Cu.	1	Ci.	Cu.
18	N	N	NE	ENE	ENE	NE	-----	-----	163	83.7	------	2	Ci.	Cu.-N.	2	Ci.	Cu.
19	N	N	NNE	NNE	NNE	N	-----	-----	118.5	102.8	------	10	------	Cu.-N.	10	Ci.-S.	cu.-N. NE
20	NW	N	NE	NE	NE	N	100.1	137.3	159.1	105.2	501.7	6	Ci.	Cu.-N. NE	4	Ci.	Cu.
21	N	NW	NE	NE	NE	N	107	134.2	140.5	71	452.7	6	Ci.	Cu.-N.	4	Ci.	Cu.
22	N	N	NNE	ENE	ENE	N	62.2	92.8	116.7	81.5	353.2	1	Ci.	Cu.	1	Ci.	Cu.
23	NW	N	ENE	NE	NE	N	75.8	107.6	141.6	91.5	416.5	1	Ci.	Cu.-N.	3	Ci.	Cu.
24	NW	NE	NE	NE	NE	NNE	67.9	112.9	-----	71.4	------	1	Ci.	Cu.	8	A.-Cu.	Cu. E
25	NW	N	NE	ENE	ENE	NNW	82.6	125.8	153.7	89	451.1	4	Ci.	Cu.-N.	8	A.-Cu.	S.-Cu. ENE
26	NW	NNE	NE	ENE	NE	NNE	106.2	130.2	150.5	97.6	484.5	1	Ci.	Cu.-N.	1	Ci.	Cu.
27	N	NE	ENE	NE	NE	N	86.7	117.7	151.3	83.7	439.4	9	Ci.-S.	N.	1	------	Cu.
28	N	N	ENE	ENE	NE	NNW	60	100.6	144	79.9	384.5	1	Ci.	Cu.	1	Ci.	Cu.
29	NE	NE	ENE	ENE	NE	N	78.7	126.9	173.2	107.3	486.1	9	Ci.	Cu.-N. NE	1	Ci.	Cu.
Mean	------	------	------	------	------	------	76.6	108.9	143.5	83.6	415.4	4.6	------	------	3.9	------	------

ILOILO.

[$\phi = 10°\ 42'$ N; $\lambda = 122°\ 34'$ E; barometer above sea, 6 meters; gravity correction not applied, —1.84 mm.]

MARCH, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.79	58.87	60.11	57.97	58.51	60.36	23.9	23.3	29.5	31.7	28.5	25.2	32.2	23.1	84	88	55	44	54	69	------
2	59.92	60.35	61.22	59.05	59.40	60.81	24.3	23.3	30	30.6	28.5	25.1	31.9	22.9	78	84	53	47	54	74	------
3	60.22	60.68	62.01	59.46	59.70	60.86	24.2	23.5	29.5	30.7	28.8	25.6	32.2	23.4	82	87	59	52	60	78	------
4	60.41	60.66	62.04	59.50	58.76	60.49	24.2	23.7	28.7	30.5	28	23.8	31	23.2	88	88	58	39	49	72	------
5	59.49	59.55	60.65	58.45	59.34	61.28	22.6	22.1	29.1	31	28.5	21	31.6	20.9	78	81	60	48	58	98	8.1
6	60.27	60.27	61.31	59.09	59.40	60.57	22.6	24.2	29	31.2	28.5	26.2	31.4	22.3	90	90	62	50	57	73	------
7	60.26	60.43	61.41	58.76	59.47	61.31	25.1	24.5	29.4	30.7	28.7	26.4	31.7	24.4	82	87	64	59	66	81	.3
8	60.57	60.63	61.72	59.43	59.77	61.36	24.9	24.4	30.4	31.5	29.1	26	32.9	24.2	87	88	59	51	55	62	------
9	61.98	62.22	63.14	60.11	59.85	61.51	24.1	23.2	28.7	31.6	28.4	24.1	32.3	22.8	77	84	50	35	46	67	------
10	61.02	61.33	62.22	59.40	59.44	61.08	23.1	22.3	29.5	31.6	28	24.8	31.9	22	75	84	55	56	55	70	------
11	59.63	59.76	60.76	58.25	58.44	59.54	23.9	22.5	28.5	32.2	28.8	26.4	33	22.1	76	83	64	49	61	68	------
12	58.24	58.39	59.51	57.29	57.60	59.31	24.6	23.7	30.1	33.7	29	27	34.5	23.3	77	82	58	37	68	77	------
13	58.07	58.41	59.50	57.07	58.01	59.20	26	24.7	31.2	30.5	28.1	25.9	34.9	24.3	76	79	59	68	68	75	------
14	59.14	59.35	60.93	58.37	58.64	60.53	24.5	23.7	31.5	32.6	29.5	26.2	33.9	23.6	84	87	52	41	51	64	------
15	59.64	59.82	60.99	58.78	58.61	60.20	24.3	23.4	29.5	33.5	29.6	25.7	34.2	23.2	74	80	56	37	49	71	------
16	59.74	59.92	61.59	58.67	58.82	60.56	24.5	22.6	29.4	32	29	24.8	33.7	22.5	78	95	48	31	48	64	------
17	60.15	60.39	61.94	58.87	58.76	60.96	22.8	23	29.6	30.5	28.5	25	32	22	76	79	59	50	48	66	------
18	60.91	61	62.49	59.84	59.80	61.80	24	21.5	29	30.5	28.3	25.3	31.7	21.3	70	74	43	36	49	60	------
19	61.12	61.42	62.67	59.72	60.13	61.68	24.4	23	30	31.6	28.9	25.2	32.6	22.7	74	83	37	32	46	69	------
20	60.91	61.18	62.54	59.62	59.74	61.86	24	23.2	28.6	32.3	29.1	26	32.7	23	80	87	52	39	52	67	------
21	61.22	61.41	62.61	61.56	60.79	62.06	24.5	24.1	29.8	29	27.7	25.9	31.3	23.9	78	83	54	60	62	74	------
22	61.76	61.93	62.69	59.92	60.21	61.70	25.2	23.7	29.7	31.5	28.8	26.3	32.2	23.5	80	85	55	48	56	67	------
23	61.16	61.39	62.14	59.95	59.75	61.02	25.2	25	29.4	31.3	28.8	26	32.1	24.8	79	80	59	52	54	69	------
24	60.72	61.14	62.21	59.74	60.34	61.66	24.4	23.7	30.5	32.4	29.5	26.1	34	23.4	80	83	52	44	52	73	------
25	61.78	62.27	62.86	60.43	60.78	62.38	24.7	24	30	32	29.7	26	32.4	23.7	83	86	53	35	37	57	------
26	62.12	62.27	62.52	59.27	59.40	61.63	24.3	23.4	30	31.5	29	25.2	32.9	23.1	71	83	56	46	52	68	------
27	61.08	61.33	62.64	59.74	59.79	61.50	24	23.7	29.1	31.1	29	25.2	32.5	23.5	81	86	60	44	53	76	------
28	60.82	61.13	62.16	59.38	59.58	61.23	24.1	24	30.3	33	30	26.7	33.8	24	84	87	54	39	50	62	------
29	60.40	60.53	61.71	59.53	59.86	61.55	25.3	24.5	30.7	32	28.6	26.2	33	24.3	77	82	47	42	60	73	------
30	60.56	60.73	61.69	59.44	59.50	61.48	25.2	24.5	31.1	33.1	30.2	26.4	33.6	24.4	80	81	54	39	48	65	------
31	60.35	60.44	61.44	59.34	59.87	61.30	25.3	24.3	30.1	32	28.1	25.9	32.1	24.3	77	86	56	43	60	71	------
Mean	60.40	60.62	61.72	59.23	59.42	61.06	24.3	23.6	29.7	31.6	28.8	25.5	32.7	23.2	79.2	84.3	54.9	44.9	54.1	70.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	8.4

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NNE	NW	ENE	NE	NE	NNW	89	124.9	155.3	86.7	455.9	1	Ci.-S.	Cu.-N.	3	Ci.	Cu.
2	NW	NW	NE	ENE	NE	N	96	128.4	153.9	83.5	461.8	9	Ci.	Cu.-N.	4	Ci.	Cu.
3	NNE	NNW	ENE	ENE	NE	NNW	84	113.5	151.9	-----	-------	1	Ci.	Cu.-N.	5	Ci.	Cu.
4	N	NE	NE	ENE	NE	NW	-----	127.1	185.5	70.2	-------	2	Ci.	Cu.-N. NE	7	Ci.	Cu.
5	NNE	N	NE	ENE	ENE	ENE	85.6	120.9	142.6	85.1	434.2	1	Ci.	Cu.-N.	5	Ci.	Cu.
6	NW	NNW	NE	NE	NE	NNE	-----	-----	-----	-----	-------	10	Ci.	Cu.-N.	9	Ci.	Cu.
7	N	NW	NE	NE	NE	NNE	-----	-----	-----	-----	-------	8	Ci.	Cu.-N.	2	Ci.	Cu.
8	NE	NE	NE	NE	NE	NNE	-----	-----	144	69.8	-------	9	Ci.	Cu.-N.	1	Ci.	Cu.
9	N	NNE	NE	NE	NE	NNE	61.2	125.8	149.5	56.6	393.1	0	Ci.	Cu.	1	Ci.	Cu.
10	NW	NW	NNE	ENE	ENE	NNE	83.5	106.2	141.4	88.8	419.9	2	Ci.	Cu.-N. NE	1	Ci.	Cu.
11	NNW	NNW	NE	ENE	E	NNW	63.1	92.7	94.6	-----	-------	1	Ci.	Cu.-N.	3	Ci.	Cu.
12	N	NW	ESE	E	SW	Calm	-----	-----	76.2	31.6	-------	0	Ci.	Cu.	2	Ci.	Cu.
13	Calm	Calm	E	SW	NNE	N	27.4	56.8	81.6	42.1	207.9	0	Ci.	Cu.	1	Ci.	Cu.
14	NW	NW	ENE	ENE	NE	N	58.2	90.9	153.1	56.5	358.7	3	Ci.	Cu.	5	Ci.	Cu.
15	NW	N	NE	NNE	NE	NNE	65.4	100.1	126.9	70.8	363.2	1	Ci.	S.-Cu.	4	Ci.	Cu.
16	N	N	ESE	E	NE	NNW	70.2	102.4	-----	-----	-------	1	Ci.	Cu.-N.	5	Ci.	Cu.
17	N	NNE	NE	NE	NE	NNW	-----	-----	-----	77.5	-------	3	Ci.	Cu.	2	Ci.	Cu.
18	N	N	NE	ENE	NE	NE	87.9	129	-----	67.1	-------	0	Ci.	S.-Cu.	1	Ci.	Cu.
19	N	NNE	NE	ENE	NE	N	71.6	107.8	166.2	88.5	434.1	0	Ci.	Cu.	5	Ci.	Cu.
20	NW	NE	NE	NE	NE	N	80.2	104.4	117.8	65	367.4	2	Ci.	Cu.	3	Ci.	Cu.
21	NW	NNE	NNE	NE	NE	N	74.5	104.8	154.2	96	429.5	8	Ci.	Cu.-N.	9	Ci.	Cu.
22	N	NE	NE	NE	NE	NNW	86.7	122.8	158.3	89.8	457.6	4	Ci.	Cu.-N.	8	Ci.	Cu.
23	NW	NE	NE	NE	NE	N	87.2	127.1	144.8	82.4	441.5	9	Ci.	Cu.-N.	7	Ci.	Cu.
24	NW	N	NE	ENE	NE	N	66.3	84.3	-----	76.4	-------	0	Ci.	Cu.	4	Ci.	Cu.
25	NNW	N	NE	NE	NE	NNE	66.2	98.8	166	59.3	390.3	2	Ci.	Cu.	2	Ci.	Cu.
26	NW	N	NE	NE	NE	N	59.3	106.2	155.3	66.8	387.6	1	Ci.	Cu.-N.	1	Ci.	Cu.
27	N	N	NE	NE	NE	NNW	63.8	109.7	133.1	80.8	387.4	4	Ci.	Cu.-N. NE	1	Ci.	Cu.
28	N	NNE	NE	NE	NE	N	70.2	100.6	135.8	78.6	385.2	6	Ci.	Cu.-N. NE	1	Ci.	Cu.
29	NW	NW	NE	E	NE	NNW	83.7	128.2	174.3	99	485.2	2	Ci.	Cu.-N. NE	1	Ci.	Cu.
30	N	N	NE	NE	NE	NNW	83.9	129.8	150.5	85.1	449.3	3	Ci.	Cu.-N. NE	1	Ci.	Cu.
31	NW	NNE	NNE	NE	NE	NNE	90.9	122.5	170.1	98.5	482	9	Ci.	Cu.-N. NE	5	Ci.	Cu.
Mean	------	------	------	------	------	------	74.2	110.2	143.3	75.1	409.6	3.5	----------	----------	3.5	----------	----------

ILOILO.

[$\phi = 10°\ 42'$ N; $\lambda = 122°\ 34'$ E; barometer above sea, 6 meters; gravity correction not applied, —1.84 mm.]

APRIL, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.52	60.46	61.46	58.88	58.95	60.75	24.6	23.5	30	31.5	29.3	26.3	33	23.4	80	87	52	43	48	68	------
2	60.18	60.62	61.15	58.89	59.50	61.08	25	24	30.2	32.5	29.7	26	33.4	23.8	78	84	52	44	48	68	------
3	60.22	60.43	61.45	59.04	58.95	60.75	25.3	24.5	30	32.2	29	26.2	32.7	24.3	76	82	56	45	56	70	------
4	59.90	60.06	60.71	58.24	58.41	59.65	25.3	24.2	30	31.8	28.8	27.6	32.8	24	74	82	54	42	61	71	------
5	59.39	59.26	60.29	58.23	58.48	60.41	25.9	25	31.2	33.2	30.1	27.2	33.5	25	81	88	55	42	47	61	------
6	60	60.38	60.80	58.37	59.12	61.03	25.4	24.4	31.1	32.7	28.2	26.2	34.5	24.2	71	87	54	45	79	72	------
7	60.90	61.17	61.24	58.78	59.21	60.83	25.6	25.2	30	31.8	29.6	26.3	32.6	24.9	79	81	59	51	58	73	------
8	60.32	60.42	61.33	58.51	59.16	60.82	24.2	24	30.7	32.3	29.5	26.3	33.2	23.7	80	83	56	48	52	66	------
9	60.27	60.62	61.26	58.82	59.94	61.25	25.2	24.7	31.2	33.3	29.7	27.7	33.5	24.4	75	81	56	47	64	70	------
10	61.12	61.39	62.18	59.98	60.63	62.03	25.5	25.1	31.6	32.5	29.8	27	33.2	24.4	82	83	54	51	63	68	------
11	61.70	62.02	62.08	60.10	61	62.63	25.5	24.4	32.1	32.1	29.2	26.2	33.7	24.2	77	83	47	52	69	86	4.6
12	62.42	62.53	63.25	60.92	60.91	62.61	24.7	23.7	29.6	32.8	30.4	27.3	33.9	23.6	92	94	58	40	43	63	------
13	62.85	63.08	63.65	61.20	61.33	62.55	25.5	23.7	30	31.3	29.3	28	32.9	23.1	79	83	53	50	59	69	------
14	62.48	62.34	62.91	60.23	60.11	61.31	25.9	25.1	30.6	31.1	29.6	27.2	32.8	25	79	84	57	55	58	68	------
15	61.03	61.18	61.76	59.13	59.29	61.26	25.5	24.6	30.6	32.7	30	26.7	34	24.5	80	80	50	43	50	69	------
16	60.12	60.77	61.69	59.22	59.69	61.31	25.5	24.7	30	33	30	27.2	33.6	24.4	78	83	54	37	48	63	------
17	60.70	60.83	61.49	59.02	59.24	61.27	25.7	24.4	30.1	34	30.4	26.7	34	24.2	75	83	56	34	43	59	------
18	60.90	60.74	61.45	58.79	58.84	61	25.4	25.2	31	33.5	30	27	34.4	25	73	79	53	41	53	66	------
19	60.03	60.14	61.14	58.43	58.23	59.95	26.2	25.5	30.4	33.7	30.7	27.8	34.6	25.1	73	81	56	34	46	62	------
20	59.34	59.40	60.51	58.03	58.29	59.59	26.3	25.8	31.8	33.5	30.7	28.1	34	25.7	76	81	54	44	53	65	------
21	58.98	59.18	59.74	57.48	58.03	59.65	26.1	25.1	31.4	33.5	30.7	27.4	34.1	25	81	83	48	46	53	71	------
22	58.97	59.07	59.46	57.40	57.49	59.62	26.9	26.6	32.6	33	30.6	28	33.2	26	77	81	56	50	60	65	------
23	59.08	59.20	59.61	57.18	57.84	59.47	26	25	30.8	33.5	31.2	27	34	24.9	82	84	59	45	48	70	------
24	59.09	59.25	59.60	57.32	57.91	59.27	25.1	24.3	30.1	32.8	30.6	27.7	34	24.2	80	85	56	43	48	60	------
25	58.39	58.73	59.59	57.32	57.51	59.50	25.9	25.4	31.5	33.6	30.7	27.8	34	25	72	80	52	42	50	65	------
26	59.02	59.60	60.09	57.33	58.03	59.59	25.8	24.6	30.2	32.5	30.2	28.2	33.1	24.5	77	82	54	47	54	67	------
27	59.29	59.40	60.63	58.49	58.54	60.23	26.3	26.1	30.2	30.4	28.7	27	31.6	26	73	76	59	63	71	79	------
28	59.53	59.57	60.46	57.38	58.25	59.65	25.9	25.7	31	35.1	28.4	27.7	35.1	25.7	87	87	62	40	75	80	------
29	58.87	58.98	59.56	56.70	57.13	58.25	26.9	26.5	31.7	33	30.4	28.8	34	26.4	83	85	60	47	56	62	------
30	57.57	57.70	58.64	56.07	56.34	58.13	26.9	26	32.2	33.4	30.6	27	35.1	25.9	74	82	48	43	50	64	------
Mean	60.11	60.28	60.97	58.52	58.88	60.51	25.7	24.9	30.8	32.7	29.9	27.2	33.6	24.7	78.1	83.1	54.7	45.1	55.4	68	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	4.6

Day.	Wind.										Clouds.				
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.		2 p. m.	
												Amount.	Form and direction.	Amount.	Form and direction.
	2 a. m	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper. Lower.		Upper. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*		*0–10*	
1	N	NNE	ENE	ENE	NE	NNE	89.5	132	152.1	93.8	467.4	0	Ci. Cu.-N. NE	1	Ci. Cu.
2	N	NE	ENE	NE	NE	NE	96	139.4	152.3	90.9	478.6	1	Ci. Cu.-N.	3	A.-Cu. Cu.
3	N	NW	NE	NE	ENE	N	86.4	124.9	166.8	82.3	460.4	3	Ci. Cu.-N. NE	1	Ci. Cu.
4	N	NNE	NNE	NE	ENE	NE	83.9	113.8	157.5	104.4	459.6	4	Ci. Cu.-N. NE	2	Ci. Cu.
5	N	NNE	NE	NE	NE	NE	76.2	106	132.6	62.6	377.4	0	Ci. Cu.	0	Ci. Cu.
6	N	NNE	ENE	NE	Calm	Calm	57.4	87.4	108.9	40.7	294.4	7	Ci. Cu.-N.	1	Ci. S.-Cu.
7	N	NNE	NE	NNE	NNE	N	38.1	99	162.2	62.2	361.5	2	Ci. Cu.-N.	0	Ci. Cu.
8	N	NNW	NNE	ENE	NE	NNE	56	102	137.8	69.4	365.2	0	Ci. Cu.	0	Ci. Cu.
9	SE	NE	E	E	ENE	NE	63.1	-----	-----	-----	------	1	Ci. Cu.	2	Ci. Cu.
10	NNE	NNE	E	E	ENE	ENE	-----	-----	-----	-----	------	5	Ci. Cu.-N. NE	2	Ci. Cu.
11	NE	NNE	NE	E	ENE	E	-----	-----	-----	-----	------	2	Ci. Cu.	6	Ci. Cu.
12	NE	NNE	ENE	NE	NE	NNE	-----	102.4	126.17	82.7	------	4	Ci. Cu.-N. NE	2	Ci. Cu.
13	NE	NNE	ENE	NE	NE	ENE	-----	78.6	150	-----	------	4	Ci. Cu.-N. NE	2	Ci. Cu.
14	E	NNE	NE	NE	NE	NNE	-----	-----	-----	-----	------	2	Ci. Cu.-N. NE	2	Ci. Cu.
15	NNE	N	NE	NE	NE	ENE	-----	109.7	-----	82.7	------	3	Ci. Cu.-N.	1	Ci. Cu.
16	N	NNE	NE	ENE	NE	NE	63.8	108.6	144.3	93.9	410.6	4	Ci. Cu.-N. NE	2	Ci. Cu.
17	N	NNE	ENE	E	NE	NNE	74.5	105.9	148.9	86.4	415.7	2	Ci. Cu.	1	Ci. Cu.
18	N	NNE	ENE	ENE	ENE	ENE	76.2	102.5	146.4	80	405.1	2	A.-Cu. Cu.	2	Ci. Cu.
19	NNE	NNE	ENE	ENE	NE	NE	73.8	123.7	158.2	81	436.7	3	Ci. Cu. NE	1	Ci. Cu.
20	N	NNE	ENE	ENE	ENE	NNE	74	108.9	166.7	81.3	430.9	2	Ci. Cu.	1	Ci. Cu.
21	NNE	NE	NE	NE	NE	N	97.2	136.8	156.9	101.1	492	4	Ci. Cu.-N. NE	1	Ci. Cu.
22	N	NNE	ENE	ENE	ENE	NE	114.9	133.3	168.7	85.6	502.5	9	Ci.-S. Cu.-N. NE	2	Ci. Cu.
23	N	NNE	NE	ENE	NE	NE	64.2	121	139.2	67.6	392	3	Ci. Cu. NE	1	Ci. Cu.
24	NNE	NNE	ENE	E	NE	ENE	57.4	118	154.8	76.4	406.6	3	Ci. Cu. NE	1	Ci. Cu.
25	N	NNE	ENE	ENE	ENE	ENE	86.6	104.6	-----	74	------	2	Ci. Cu.	5	Ci. Cu.
26	NNE	N	ENE	ESE	NE	E	61.7	125.8	183.2	90.9	461.6	1	Ci. Cu.	3	A.-Cu. Cu.
27	N	NNE	NNE	NNE	NE	NE	83.1	106.2	106.7	71.1	367.1	5	A.-Cu. S.-Cu.	10	Ci. Cu.-N.
28	N	N	ESE	E	NNW	NNE	59	88.5	89.6	59	296.1	5	Ci. Cu.	3	Ci. Cu.
29	N	N	ENE	E	NE	N	60.4	98.2	133.4	71.6	363.6	4	Ci. Cu.	2	Ci. Cu.
30	N	NW	NE	E	NE	NE	56.9	87.1	118.6	58.1	320.7	1	Ci. Cu.	2	Ci. Cu.
Mean	------	------	------	------	------	------	72.9	110.2	144.2	78	407.5	2.9	----------	2.1	----------

ILOILO.

[$\phi = 10°\ 42'$ N; $\lambda = 122°\ 34'$ E; barometer above sea, 6 [a] meters; gravity correction not applied, −1.84 mm.]

MAY, 1912.

Day.	Atmospheric pressure, 700 mm.						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.85	57.98	58.83	56.10	56.68	58.43	25.5	24.6	31	34	30.5	27.2	35	24.5	71	76	51	39	44	59	
2	58.22	58.34	59	57.08	57.30	59.35	25.5	24.7	31.1	33.1	30.4	29	33.9	24.4	71	75	56	47	54	64	
3	59.61	59.92	60.75	58.58	59.21	61.05	27	26.7	31.7	32.8	30.4	28	34	26.7	78	82	57	49	59	70	
4	60.33	60.43	61.18	58.65	58.60	60.25	26	25.4	30.7	33.2	29.7	27.2	34.2	25.1	78	80	61	39	58	62	
5	59.48	60.02	60.43	57.52	58.31	59.65	25.2	24.2	31.3	34	29	27.1	34.9	22.9	71	74	55	40	66	73	
6	59.24	59.30	59.44	57.05	57.92	59.54	24.4	23.2	30.5	30	28.6	27.5	32.4	22.2	76	77	56	64	74	78	
7	58.72	59.45	59.79	57.45	58.16	59.55	24.8	23.7	32.4	32.5	28.7	28	35	23	83	74	41	49	69	72	
8	58.97	59.60	60.14	57.84	58.09	59.40	27	24	29.9	30.2	28.7	28	31.6	23.9	79	80	59	65	63	71	
9	58.52	58.83	59.17	56.65	57.60	59.21	25.4	24.6	31.9	33.4	29.3	27	35.6	23.9	82	85	52	43	72	84	
10	58.85	59.44	60.04	57.88	58.45	60.39	25.8	25.3	31.5	34.1	30.5	28.6	34.5	24.9	81	82	54	34	47	63	
11	59.51	60.18	60.44	57.59	57.99	60.01	27	26.5	31	34	30.7	29	34.7	26.3	72	77	55	43	53	64	
12	59.07	59.58	59.59	57.23	57.84	59.42	26.8	26.5	31	35	29.5	28	35.7	26.1	77	84	52	38	71	76	
13	58.63	59.07	59.30	56.95	57.20	59.14	26	25.7	32	31.7	30.2	29	34.3	24.6	66	66	52	59	69	68	
14	58.42	58.71	59.32	57.57	58.14	59.52	26	25.7	31.5	31.3	29.5	28.1	33	25.5	80	78	60	64	64	71	
15	58.79	58.85	59.79	57.73	57.71	59.64	26.4	25.1	33	31.2	30	28.8	33.7	25	79	84	50	68	73	78	
16	58.50	58.68	59.51	57.38	57.38	59.34	27	26.8	31	31.7	30	29	33.2	26.1	81	76	62	59	70	71	
17	58.13	58.39	59.40	56.86	58.34	59.72	26.8	26.7	32.5	32.8	25.1	26	34.4	24.9	81	77	58	58	87	82	2.5
18	58.44	58.58	59.54	57.55	57.84	59.21	24.8	24.8	31.9	32.8	30.3	29.1	35.9	24.4	87	87	55	57	74	71	
19	58.46	58.53	58.82	56.79	56.68	58.19	27.6	27.2	32.2	34.6	32	29	35.6	26.9	80	86	54	41	49	64	
20	57.87	57.94	57.78	55.60	56.48	58.24	27.1	26.8	32.5	34.8	31.2	28.8	35.8	26.4	78	83	55	40	56	64	
21	57.80	58.49	58.82	56.58	58.66	59.50	27	26.2	32.4	31	25.4	25.4	33.5	24.3	73	75	58	69	85	82	8.1
22	58.78	58.95	59.19	56.92	58.27	59.27	24.6	24.1	32.3	32	27.1	26.8	33.5	23.9	87	87	55	66	72	80	
23	58.55	58.98	59.27	56.88	57.84	59.57	25.8	25.2	31.4	31.8	29.4	26.8	34	24.7	85	90	57	64	68	83	
24	58.62	58.67	58.18	55.93	57.26	58.82	26	26	31.5	34.7	29.8	27	35.6	25.7	84	84	57	40	63	75	
25	57.99	57.93	58.14	55.69	56.49	57.52	26.1	25.5	31	30.6	29.1	27	32.6	25.1	82	85	66	68	78	86	.3
26	57.05	57.67	58.38	56.35	57.19	58.60	25.4	25.2	30.1	30.8	29.5	28.9	32	24.7	90	90	74	68	73	78	
27	57.53	58	58.19	56.52	57.42	59.47	27	25.3	31.4	29.2	29.5	29	33.6	25.3	86	92	60	73	78	78	1.3
28	58.50	59.05	59.08	57.29	58	59.84	26.8	25.6	30.2	30.2	29.5	28	31.2	25.6	80	88	67	70	72	74	
29	59.31	59.33	59.41	57.06	57.42	59.19	27	25.6	31.5	33.6	30.1	29.4	35.8	25.5	80	88	63	56	74	70	
30	58.81	59.14	59.48	57.17	57.81	58.86	26.8	27.5	30	31	29	28.5	31.9	26.5	84	78	73	69	78	78	
31	58	58.71	59.30	58.01	58.06	59.15	27	26.2	29	29.2	27.5	25.9	31.9	25.2	86	86	78	71	80	85	
Mean	58.60	58.93	59.35	57.11	57.75	59.32	26.2	25.5	31.3	32.3	29.4	27.9	34	25	79.6	81.5	58.2	55.2	67.5	73.4	
Total																					12.2

Day.	Wind. Direction.						Total movement in 6 hours.				Total movement in 24 hours.	Clouds. 6 a. m.			Clouds. 2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	N	E	ESE	ENE	N			97.2	40		2	Ci.	Cu.	1	Ci.	Cu.
2	N	N	E	ENE	NE	N	61.2	104	133	77	375.2	2	Ci.	Cu.	2	Ci.	Cu.
3	NW	NE	NE	NE	NE	N	69.7	109.6	143.2	63.9	386.4	3	Ci.	Cu.	3	Ci.	Cu.
4	NE	N	NE	NE	NE	NE	64.4	96.8	139.7	61.5	362.4	1	Ci.	Cu.	2	Ci.	Cu.
5	N	N	ESE	E	SSW	Calm	39.7	72.4	79.4	21.1	212.6	2	Ci.	Cu.	2	Ci.	Cu.
6	Calm	Calm	SW	SW	SW	Calm	11.3	42.1	124.7	31.2	209.3	2	Ci.	Cu.	4	Ci.	Cu.
7	Calm	NE	NE	SW	SW	SW	15.3	47.3	113.7	91.1	267.4	7	Ci.	Cu. E	4	Ci.	Cu.
8	N	Calm	SW	SW	NW	NE	28.7	70.3	131.8	45.7	276.5	3	Ci.	Cu.	2	Ci.	Cu.
9	Calm	Calm	E	E	SW	SW	16.1	53.6	90.1	27.4	187.2	2	Ci.	Cu.	1	Ci.	Cu.
10	NNW	N	NE	NE	NE	NNE	46.2	76.4	128.7	77	328.3	3	Ci.	Cu.	1	Ci.	Cu.
11	NNW	N	NE	NE	NE	N	58.9	97.7	126.5	74	357.1	2	Ci.	Cu.	2	Ci.	Cu.
12	N	NNE	E	E	SSW	Calm	50.7	71.1	89.8	32.2	243.8	8	Ci.	S.-Cu.	1	Ci.	Cu.
13	Calm	Calm	E	SW	SSW	NE	19.5	44.3	119.6	28.5	211.9	2	Ci.	Cu.	1	Ci.	Cu.
14	NW	Calm	SW	SW	N	Calm	20.3	56.1	138.6	28.5	243.5	3	Ci.	Cu.	2	Ci.	Cu.
15	Calm	Calm	S	SW	SW	Calm	13.9	49.9	122.9	23	209.7	3	Ci.	Cu.	8	Ci.	Cu.
16	Calm	Calm	SW	SW	SW	Calm	11.9	61.8	115.3	30.1	219.1	7	Ci.	Cu.	6	Ci.	Cu.
17	Calm	Calm	SE	SW	WSW	NE	8.5	51.5	107	28	195	4	Ci.	Cu.	6	Ci.	Cu.
18	NNE	NNE	E	SW	SW	NNW	18.2	47.8	77.5	52.6	196.1	9	Ci.	S.-Cu.	5	Ci.	Cu.
19	N	N	NE	NE	NE	N	48	105.6	135.5	56.5	345.6	2	Ci.	Cu.	2	Ci.	Cu.
20	N	NNW	NE	NE	NE	NNE	63	96.1	101.7	32.7	293.5	7	Ci.	S.-Cu.	1	Ci.	Cu.
21	N	Calm	SE	SW	Calm	Calm	40.4	46.9	91.5	20.3	199.1	3	Ci.	Cu.	7	Ci.	Cu.-N.
22	Calm	Calm	Calm	SW	NW	Calm	16.7	27	89.5	20.1	153.3	6	A.-Cu.	Cu.	7	Ci.	Cu.
23	N	Calm	NE	SW	NW	Calm	23	35.4	114.1	21.9	194.4	7	Ci.	Cu.	7	Ci.	Cu.-N.
24	NE	Calm	E	E	NW	Calm	17.2	45.3		12.3		4	Ci.	Cu.	5	Ci.	Cu.
25	Calm	Calm	SW	SW	SW	Calm	13.7	45.9	97.1	34.4	191.1	9	Ci.	Cu.	10	Ci.	Cu.
26	N	Calm	S	SW	SW	SW	20.3	55	143.2	59.2	277.7	3	Ci.	Cu.	5	Ci.	Cu.
27	SE	NW	SW	SW	SW	SW	34.9	58.2				3	Ci.	Cu.	9	Ci.-S.	S.-Cu.
28	Calm	Calm	NE	SW	SW	SW						10	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.
29	Calm	Calm	ENE	SW	SW	SW						5	Ci.	Cu.	3	Ci.	Cu.
30	SW	SW	SW	SW	SW	SW						8	Ci.	Cu.	8	Ci.	Cu.
31	Calm	Calm	SW	SW	SE	SW						7	Ci.	S.-Cu.	9	Ci.-S.	S.-Cu.
Mean							32	64.2	114.1	41.9	255.7	4.5			4.3		

[a] Beginning with May 28, 10 a. m., the height of the barometer above sea level was 6.5 meters.

ILOILO.

[$\phi = 10°\ 42'$ N; $\lambda = 122°\ 34'$ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.84 mm.]

JUNE, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.24	58.68	58.76	56.63	56.97	58.69	24.8	25.6	31.4	34.6	30.5	29.9	35.1	24.5	92	82	59	49	75	68	5.3
2	58.84	59.21	59.49	57.37	57.43	59.18	27.4	26.6	32	34.6	30.9	29.3	35	24.4	83	86	52	41	58	69	
3	58.74	59.05	59.23	57.28	57.68	58.52	27.8	27.5	32.1	35	30.5	29.3	35.2	26.5	77	83	60	49	72	72	2.5
4	57.60	58.35	58.28	56.22	57.05	58.54	27.5	26.8	31.3	32	29.5	28.9	33.2	22.7	81	80	68	66	75	74	27.2
5	57.70	58.19	58.44	57.05	57.41	59	25.5	26.1	31.3	29.1	28.8	27.8	32.2	24.8	92	91	68	78	73	83	
6	58.90	58.97	58.71	56.10	56.76	58.70	26.2	25.5	31.5	34	30.1	29.5	35.1	25.3	90	91	60	51	71	75	
7	57.67	58.22	58.59	56.67	57.31	58.44	27.2	26.5	31.5	32	27.7	27.5	32.5	25.6	89	86	69	67	84	90	21.6
8	57.86	58.41	58.81	56.62	57.31	59.49	27.2	25.5	30.2	30.5	29.2	26.3	32.3	25.4	90	93	68	72	72	86	
9	58.62	58.58	58.55	56.24	57.95	59.19	26	25.1	30	30.3	29	25.6	31.6	24.8	87	85	74	67	71	87	7.9
10	58.80	59.48	59.59	56.75	57.35	59.54	25.2	25.6	30.2	31.5	29	29	32.7	24.9	92	92	67	60	77	76	5.6
11	58.74	58.33	59.21	58.37	57.86	60.10	26.3	25	28	25	27.7	26	28.6	24.4	80	81	81	89	82	97	8.4
12	58.89	58.99	59.60	58	58.02	59.56	25.2	25.5	29.9	29.4	27.7	27.2	30.9	25.1	97	93	65	72	77	81	
13	58.80	59.26	60.26	58.14	58.27	60.35	27	25.6	28.5	29.6	27.6	27.5	30.9	25.6	82	87	70	67	77	77	
14	59.16	58.96	59.56	57.18	57.49	59.53	26.6	25.8	30.1	31.3	29.2	29	31.5	25.4	83	84	68	67	74	73	
15	58.82	58.52	58.59	56.34	56.49	58.56	26.3	25.6	31.7	32	29.5	29.1	32.6	25.5	90	90	65	52	75	74	2.5
16	58.10	57.48	58	55.99	56.22	57.76	25.9	26	29.6	29.7	29.2	28.6	31.1	25.5	93	92	71	77	80	78	
17	57.45	56.95	57.20	55.95	56.84	57.82	27.2	27.6	30.4	30.9	29.5	28.2	32.2	26.6	83	84	66	63	71	76	.3
18	57.51	57.61	58.39	56.82	56.86	58.54	28	28.4	29.7	31.1	29.2	28.6	31.6	27.3	81	78	74	62	73	77	.3
19	58	58.19	57.83	56.20	56.84	58.30	28.2	27.7	30.6	30.6	29.2	28.4	31.5	26.3	78	84	68	67	73	77	
20	57.74	58.12	58.01	56.29	56.78	58.10	27.8	26.9	28.9	30.2	29.1	28.3	30.7	25.1	82	83	68	69	74	80	
21	57.75	57.27	58.06	56.38	56.84	58.30	28	28.1	28.1	30	28.9	28.4	31	27.3	76	73	77	62	78	75	.8
22	58.26	58.33	58.49	56.74	57.04	58.76	27	26.5	29.5	30	29.2	28.5	31.5	25.4	80	86	70	69	73	78	4.1
23	58.10	58.25	58.76	56.63	56.59	58.45	26.6	26.4	29.9	31	29.2	28.7	31.4	25.8	86	92	75	65	73	74	
24	57.82	57.93	58.08	55.99	56.63	58.20	27	25.8	30.5	31.6	30.1	29.2	33.1	25.8	86	89	63	60	65	74	
25	57.69	57.86	58.05	56.25	56.84	58.76	27.8	26.5	31.2	28.5	28.2	28	32.9	26.1	80	84	59	68	73	82	5.1
26	58.36	58.19	58.88	57.04	57.59	59.35	26	25.1	28.7	30.7	29.1	27	31.7	25	85	92	73	65	73	80	8.9
27	58.86	58.67	58.56	57.15	56.90	58.54	26.8	25.3	28.6	29.9	28.8	28.1	30.6	24	81	92	73	66	69	73	
28	58.37	57.93	58.32	56.33	56.66	58.42	26	25.9	26.6	30	28.7	27	30.4	24.5	89	85	93	69	73	80	14.2
29	57.93	57.59	58.29	56.31	57.15	58.76	26.2	25.2	30.1	29.1	28.9	25.5	30.7	24.9	87	91	68	69	76	88	3.8
30	58.09	58.15	58.87	57.13	57.06	58.67	25.2	25	29.4	30.9	29.1	27.7	31.6	24.1	94	92	68	63	73	83	
Mean	58.25	58.32	58.65	56.74	57.14	58.80	26.7	26.2	30	30.8	29.1	28.1	32	25.3	85.5	86.7	68.7	64.7	73.7	78.6	
Total																					118.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1	Calm	SW	ENE	SW	SW	SW						5	A.-Cu.	Cu.	3	Ci.	Cu.
2	NE	Calm	NE	NE	NE	NE						5	Ci.	Cu.	3	Ci.	Cu.
3	NE	Calm	E	E	SW	SW						5	Ci.	Cu.	3	Ci.	Cu.
4	NE	Calm	ENE	SW	SW	NE						6	Ci.	Cu.	4	Ci.	Cu.
5	NE	Calm	SW	SW	SW	SW						9	Ci.	S.-Cu.	9	Ci.-S.	Cu.-N.
6	Calm	Calm	NE	S	SW	SW						3	Ci.	Cu.	8	Ci.	Cu.
7	Calm	Calm	E	W	W	Calm						8	Ci.-S.	Cu.	8	Ci.	Cu.-N.
8	Calm	Calm	WSW	SW	SW	SW						7	Ci.	Cu.	7	Ci.	Cu.
9	Calm	Calm	SW	SW	N	Calm						7	A.-Cu.	Cu.	6	Ci.	Cu.
10	Calm	Calm	E	NE	SW	Calm						9	Ci.	Cu.	10	Ci.-S.	Cu.
11	Calm	W	ENE	NW	E	Calm			33.5	20.1		8	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
12	W	SW	SW	SW	SW	WSW	18.7	64.1	93.9	44.9	221.6	9	Ci.-S.	Cu.-N.	8	Ci.	Cu.
13	S	SW	SW	SW	SW	S	24.4	69.4	117.5	58.2	269.5	9	Ci.	S.-Cu.	9	Ci.	Cu.
14	S	NW	SSW	SW	SW	SW	29	35.7	103.3	78.9	246.9	1	Ci.	Cu.	8	Ci.	Cu.
15	N	NW	E	SW	SW	SW	36.8	43.3	100.4	80	260.5	7	Ci.	Cu.	7	Ci.	Cu.
16	N	Calm	SW	SW	SW	SW	30.3	66.3	129.7	103.2	329.5	5	Ci.	Cu.	5	Ci.	Cu.
17	W	S	SW	SW	SW	SW	47.8	86.9	106.7	73.2	314.6	6	Ci.	Cu.	9	Ci.	Cu.
18	SW	SE	SW	SW	SW	SW	59.2	90.6	112.5	74.6	336.9	5	Ci.	Cu.	8	Ci.	Cu.
19	W	W	SW	SW	S	SW	53.6	83.7	123.3	78.9	342.5	5	Ci.	Cu.	5	Ci.	Cu.
20	W	SW	SW	SW	SW	SW	64.6	96	109.1	92.8	362.5	8	Ci.	Cu.	8	Ci.	Cu.
21	SW	S	SW	SW	SW	SW	61.7	91.1	113	71.6	337.4	8	Ci.	Cu.-N.	8	Ci.	Cu.
22	SW	SW	SW	SW	SW	SW	64.7	55.8	109.7	73.7	303.9	7	Ci.	Cu.	5	Ci.	Cu.
23	SW	Calm	SW	SW	SW	SW	41.3	54.1	98	55	248.4	7	Ci.	Cu.	6	Ci.	Cu.
24	NW	NW	E	SW	SW	SW	26.4	38.6	87.2	61.5	213.7	3	Ci.	Cu.	3	Ci.	Cu.
25	NE	N	SW	SW	S	Calm	33.8	40.5	71.6	30.4	181.3	5	Ci.	Cu.	9	Ci.-S.	Cu.-N.
26	Calm	W	SW	SW	SW	SW	28.8	51.5	107.6	63.9	251.8	9	Ci.-S.	Cu.-N.	5	Ci.	Cu.-N.
27	SW	SW	SW	SW	SW	SW	61.7	60.2	106.4	57.7	286	9	Ci.	Cu.-N.	5	Ci.	Cu.
28	W	W	SW	SW	SW	SW	33.2	58.2	101.1	65.7	258.2	7	Ci.	Cu.-N.	8	Ci.	Cu.
29	SW	NW	SW	SW	SW	SW	22.8	45.6	89.6	50.1	208.1	6	Ci.	Cu.	9	Ci.	Cu.
30	E	N	SW	E	SW	SE	34.6	25.1	52.3	21.9	133.9	3	Ci.	Cu.	9	Ci.	Cu.
Mean							41	61	98.3	62.8	268.8	6.4			6.8		

ILOILO.

[$\phi = 10°\ 42'$ N; $\lambda = 122°\ 34'$ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.84 mm.]

JULY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.07	58.32	58.28	56.12	56.55	58.64	26	25.9	30.4	31.1	29.5	27.4	32.1	25.1	87	84	63	62	70	81	1
2	58.18	58.32	58.71	57.22	57.06	58.62	24.2	24.8	27	27.6	27	26.8	28.4	24.2	94	95	80	74	82	86	1.9
3	58.04	58.02	58.66	57.26	58.83	59.34	25.2	26.1	27.6	29	24	24.6	30.6	23.4	82	87	80	74	97	93	30.2
4	59.12	59.32	59.57	58.37	59.18	59.57	25.3	24.7	28.5	28.5	25.8	25.1	30.4	23.9	86	90	73	77	81	89	4.6
5	59.64	59.63	58.97	57.53	58	58.78	25	24.3	28.4	29.5	27.8	25.2	31	24	88	94	69	63	78	90	1.3
6	58.22	57.78	58.20	56.66	56.91	58.22	24.5	23.9	29.4	29.7	28.3	27.1	32.8	23.6	91	92	71	68	75	80	------
7	57.74	57.45	57.51	55.29	56.32	57.35	25.1	24.7	29.8	32	26.5	26.2	32.6	24.7	89	92	69	55	80	83	8.1
8	56.72	57.40	57.60	55.67	56.76	57.74	24.8	24.2	28.4	28.9	26	24.5	29.6	24	90	94	72	76	92	93	7.7
9	56.78	56.70	57.42	55.62	57.45	58.70	24.2	24	28.5	29.3	25.1	25.7	30	23	91	91	74	71	92	90	8.6
10	57.52	57.73	58.40	56.66	57.97	59.52	25.8	24.7	29.5	29.5	26.6	25.2	30.3	24.5	88	94	66	68	89	91	11.2
11	58.40	58.43	58.70	56.54	57.21	59.03	24	24	29.2	32.3	29	26.8	33	23.4	95	93	73	54	71	83	------
12	57.92	57.92	58.22	56.20	56.54	58.36	25.8	24.9	27.5	32.3	29	26.8	32.6	24.5	85	88	78	54	73	87	------
13	57.12	57.17	57.40	55.81	56.04	57.53	25.6	24.7	30.4	30.6	26.4	26	32.1	24	88	88	64	67	85	92	25.7
14	56.62	56.73	57.74	56.83	56.63	58.97	25	24.2	28.2	26.6	26.9	26.5	30.1	23.3	92	95	77	91	89	92	8.9
15	58.18	57.52	58.50	56.61	57.49	58.50	26	24.8	28.2	29.1	28.8	26.5	30.3	24.5	92	93	70	67	69	88	1
16	58.20	58.20	58.65	56.84	57.51	58.41	26	26	27.6	28.5	25.7	26.5	28.9	25.2	85	87	76	75	85	80	.5
17	57.68	57.74	57.92	56.37	56.32	57.68	25	24	27.5	29.7	28.4	25.5	30.4	23.5	88	90	77	69	68	90	------
18	56.64	56.72	57.22	55.71	55.63	56.82	25.2	24.1	26.4	28.5	26.6	26.2	29.5	23.9	90	95	91	78	80	77	4.1
19	55.92	55.67	56.15	55.11	55.72	57.70	27	27.5	27.8	23.8	24.1	24.5	29.2	23.4	72	73	70	96	95	94	29.1
20	56.35	56.09	56.86	56.42	56.76	58.12	25	27.1	29.4	24	26.4	24.8	29.7	23.6	95	91	66	85	80	85	10.1
21	56.67	57.14	56.96	56.04	56.81	58.29	26.1	26.1	28.7	25	25	25.3	29.6	23	74	83	78	92	88	91	19
22	57.49	57.35	57.92	56.62	57.11	58.15	24.6	26	28.2	28.5	28.2	27	29.1	23.7	87	82	76	71	80	81	15.2
23	56.88	56.83	58	56.09	57.38	58.92	27	27	29	27.6	25.5	24.8	30	24.3	77	84	74	84	76	82	4.9
24	57.57	56.50	57.78	56.89	56.99	59.03	25	24	28.5	29.5	27.8	25.2	30	23.4	83	84	67	64	75	82	.8
25	58.33	58.10	58.09	56.64	56.64	59.23	25	24.9	29.5	30.3	29.6	26.1	31.1	24.3	86	86	61	62	65	82	------
26	57.90	57.59	58.88	56.91	56.46	58.34	25	23.8	28	24.1	27.6	25.6	30.9	23.7	88	93	79	91	73	83	18.8
27	56.42	56.47	56.47	54.31	55.43	56.62	24.2	24.2	28.2	29	24.4	24.7	30.2	23.9	90	90	72	71	92	94	7.8
28	56	56.07	56.28	55.24	56.62	58.42	25	24.5	27.5	29	25.1	24	29.2	22.6	90	92	76	95	91	91	33.7
29	57.09	57.17	58.25	57.27	57.44	58.88	24.5	24.6	25	25.5	25.9	25.7	28	23.8	91	91	96	88	82	90	20.1
30	58.10	57.58	58.34	57.39	58.03	59.47	25.5	26.2	29.2	27.8	23.4	25.5	30	22.8	89	87	72	84	97	87	14.5
31	58.17	57.05	58.06	57.15	57.69	58.18	24.6	25	28.4	27.1	24.7	25.1	29.9	23.6	85	86	76	85	90	83	9.4
Mean	57.54	57.44	57.93	56.43	57.02	58.42	25.2	25	28.4	28.5	26.6	25.7	30.4	23.8	87.4	89.2	73.7	73.9	81.9	86.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	298.2

Day.	Wind.										Clouds.				
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	NE	E	SW	SW	N	24.7	34.4	84.3	59.3	202.7	3	Ci.	Cu.	6	Ci.	Cu.
2	NE	NW	SW	SW	SSW	SW	34.8	39.6	43.1	38.1	155.6	9	Ci.-S.	Cu.	10	Ci.-S.	Cu.
3	S	SE	SW	SW	SE	Calm	48.5	46.4	74.8	27.4	197.1	8	Ci.	Cu.	9	Ci.	Cu.-N.
4	SW	W	SW	S	NE	SW	40.4	39.2	64.4	33	177	10	Ci.	Cu.	10	Ci.-S.	Cu.-N.
5	SW	NE	E	SW	SW	N	35.7	31.6	67.9	39.4	174.6	5	Ci.	Cu.	8	Ci.	Cu.
6	N	W	E	NE	SW	N	28.8	44.1	54.7	25.9	153.5	4	Ci.	Cu.	8	Ci.-S.	Cu.-N.
7	N	N	E	NE	NW	SW	37	60.7	86.6	30.9	215.2	8	Ci.	Cu.	7	Ci.	Cu.
8	NW	NW	Calm	SW	NE	N	30.4	26.8	54.1	40.8	152.1	10	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N.
9	N	Calm	SE	SW	S	S	30.3	28.2	89.8	31.2	179.5	9	Ci.-S.	Cu.	7	Ci.-S.	Cu.
10	SW	Calm	S	SW	SW	N	34.9	42.3	103.5	38.1	218.8	10	Ci.-S.	Cu.	6	Ci.-S.	Cu.
11	N	N	NE	SE	SW	N	37.3	34.8	52.9	39.4	164.4	9	Ci.-S.	Cu.	4	Ci.	Cu.
12	NE	NE	N	NE	NE	NW	26.2	54.2	54.7	43.8	178.9	9	Ci.-S.	Cu.	4	Ci.	Cu.
13	NE	N	NE	NE	W	Calm	47.2	83.7	69.5	35.6	236	10	Ci.-S.	Cu.	9	Ci.-S.	Cu.
14	E	N	SE	NW	E	N	50.9	36.8	53.3	28.5	169.5	5	Ci.-S.	Cu.	10	Ci.-S.	Cu.
15	NE	NE	SW	SW	SW	NW	40.2	48.6	80.5	39.9	209.2	10	Ci.-S.	Cu.	7	Ci.-S.	Cu.
16	Calm	SW	SW	SW	NE	E	19.3	46.7	56.6	37.6	160.2	9	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.
17	Calm	Calm	Calm	SW	SW	N	22.7	22.8	83.2	32.4	161.1	9	Ci.-S.	Cu.	5	Ci.-S.	Cu.
18	N	W	S	SW	SW	SW	26.8	60	144.5	123.9	355.2	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
19	SW	SW	SW	SW	SW	SW	143.5	134.6	116.7	127.1	521.9	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
20	SW	SW	SW	SW	SW	SW	90.9	134.7	155.6	155.4	536.6	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
21	SW	SW	SW	W	SW	NE	105.9	104	111.3	48.6	369.8	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
22	SW	SW	SW	SW	SW	SW	47.8	51	93.6	79.4	271.8	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
23	SW	SW	SW	SW	SW	S	50.1	70.8	129.8	66.2	316.9	9	Ci.	Cu.	10	Ci.-S.	Cu.-N.
24	S	S	SW	SW	SSW	SW	66.6	98.2	92.5	92	349.3	7	Ci.	Cu.	7	Ci.	Cu.
25	S	Calm	S	SW	SW	E	53.3	57.6	94.6	51.7	257.2	7	Ci.	Cu.	6	Ci.	Cu.
26	W	N	E	S	SW	NE	31.6	39.1	46.4	43.5	160.6	5	Ci.	Cu.	9	Ci.-S.	Cu.-N.
27	NE	N	SE	SW	N	Calm	33.5	31.6	78.3	18.5	161.9	10	Ci.-S.	Cu.	7	Ci.-S.	Cu.
28	S	SW	SW	SW	SW	SW	66.2	99.2	118.5	80.8	364.7	10	Ci.-S.	Cu.	5	Ci.	Cu.
29	S	S	SW	SW	SW	SW	60.4	68.1	99	58.2	285.7	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
30	S	S	SW	SW	SW	SW	48	81.8	102.7	72.6	305.1	10	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N.
31	S	S	SW	SW	SW	S	72.6	88.3	111.3	56.3	328.5	8	Ci.	Cu.	10	Ci.-S.	Cu.-N.
Mean	------	------	------	------	------	------	48	59.4	86.1	54.7	248.1	8.5	------	------	8.1	------	------
Total	------	------	------	------	------	------	------	------	------	------	7,690.6	------	------	------	------	------	------

ILOILO.

[$\phi = 10°\ 42'$ N; $\lambda = 122°\ 34'$ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.84 mm.]

AUGUST, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.67	56.89	57.75	56.54	56.87	57.77	26	25.5	28.2	28.9	28	27.3	29.2	25	75	81	74	76	77	81	1.3
2	57.14	57.36	58.18	57.25	58.02	59.63	26.5	27.1	25.8	28.5	27	25.6	28.9	21.5	84	83	81	67	63	79	34.3
3	57.98	58.38	59.45	57.81	58.12	59.49	26	25.7	28	27.6	27.1	27	29.2	23.7	76	84	74	74	76	77	13.7
4	58.59	59.12	59.41	57.46	57.57	59.02	24	24.5	27.1	27.7	26.5	25.5	28.1	22.4	88	92	75	76	76	88	.8
5	58.04	57.69	57.96	56.20	57.85	58.82	25.6	25.5	27.6	28.9	25.7	24.4	29.6	23.9	87	85	73	74	84	93	10.9
6	57.94	58.08	59.42	57.65	58.29	59.92	24.6	24.4	28.5	29	27.6	25.7	29.5	23.8	92	93	64	74	80	87	------
7	59.07	59.43	59.76	57.99	58.87	59.36	24.8	24	28.8	28.4	26	25	30.2	23.5	90	95	72	74	88	93	------
8	58.37	58.45	58.91	56.48	57.01	58.59	24	23.4	28.5	30.1	28.1	25	30.5	23.3	91	95	75	68	80	92	1.6
9	57.80	57.72	58.06	56.44	57.18	58.66	25.2	24.5	28.2	28	26.7	25.1	29.2	24.1	94	94	74	80	86	91	------
10	57.44	57.72	58.64	57.02	57.41	59.45	26	25.5	28.8	29.2	27.6	27	30.3	25	84	87	72	69	77	81	------
11	57.86	57.32	58.47	56.98	56.78	58.33	26.5	26.8	29.3	26	27.1	25.5	29.7	24.4	83	80	73	88	80	88	6.1
12	57.39	57.42	57.93	56.06	56.42	58.03	25.4	25.6	27.2	28.8	26.4	23.8	29.5	23.3	88	84	79	78	78	99	36.1
13	57.17	56.10	56.86	55.68	56.07	58.67	24.5	25.4	27.5	25.6	24.9	25.3	29.4	21.6	91	88	82	93	93	86	131.1
14	57.22	57.30	57.82	56.39	57.35	58.35	25	24	28	24.6	25.1	25.5	29	22.3	90	99	77	93	90	92	38.1
15	58	58.02	58.57	57.05	57.43	58.86	25.8	25.3	28.1	28.5	27.5	27	29.3	24.9	90	94	81	78	85	86	2.8
16	58.12	57.88	58.74	57.17	57.41	58.35	26.5	26.5	29	26.5	26.4	25.5	30.3	23.2	85	88	78	74	86	95	10.1
17	57.55	57.63	58.35	56.06	56.58	58.22	24.6	25.6	27.5	28.9	27.6	25.3	29.4	24	98	91	83	76	81	93	3
18	57.04	57.03	58.12	56.22	56.40	58	26	25.8	28.5	29	27.4	27.4	29.6	25.1	84	84	75	74	79	76	------
19	57.28	57.55	58.25	56.10	56.76	58.17	26	25.1	27.5	28.3	27	26.9	29	24.6	84	84	74	77	78	81	------
20	57.49	57.54	57.94	56.12	57.21	58.50	26.4	25.8	28.6	29.2	28	27.2	30.1	25.6	81	82	75	72	74	75	------
21	57.45	57.49	58.69	57.32	57.71	58.80	27	24.4	28.8	27	26.5	26.6	29.7	24.1	77	94	73	82	80	78	------
22	57.94	57.95	58.95	56.86	57.91	58.78	25.5	25.5	28.7	29.3	24.2	25	30.1	24	86	88	75	73	92	88	11.6
23	57.80	57.58	58.13	55.56	56.46	58.31	25	26	27.5	27.5	26.3	25.5	28.3	23.8	82	78	73	80	74	80	3.8
24	57.77	57.83	58.58	57.17	57.42	58.21	25.2	26.1	27	27.4	27	27	27.7	23.8	83	79	73	73	77	75	------
25	57.34	57.59	58.13	56.22	57.02	58.11	26.6	26.5	28	29.9	28	25.5	30.3	24	75	77	77	72	77	84	3
26	56.34	56.26	56.86	54.72	55.40	56.51	26	27	27	29.4	28	25	30.2	23	76	77	86	73	80	88	82.3
27	55.99	55.04	55.65	53.68	54.63	56.39	24.2	27.5	28.3	28.5	24	26.7	29.7	22.4	91	80	78	75	91	86	27.7
28	55.32	55.07	55.71	54.56	55.40	56.88	26.2	24.5	28.7	26.7	24	27	29.2	22.6	85	96	77	86	91	84	38.1
29	56.48	56.43	57.05	55.82	56.50	58.06	24.6	26.5	28.9	28.3	27.7	26.9	29	22.4	87	82	74	75	83	86	2.3
30	57.18	57.56	57.69	56.16	56.55	57.56	27	27.4	29	29	28	27.8	29.6	26.1	80	76	79	76	81	82	------
31	56.32	55.91	55.99	54.25	54.49	55.12	27.5	27.5	29.5	28.9	28.4	27	30	25.2	84	84	73	75	76	80	77
Mean	57.45	57.40	58.07	56.35	56.94	58.29	25.6	25.6	28.1	28.2	26.8	26	29.5	23.8	85.2	86.3	75.8	76.6	81.1	85.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	535.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	S	SW	SW	SW	S	83.5	86.6	104.4	81.3	355.8	9	Ci.	Cu.	10	Ci.	Cu.
2	S	S	SW	SW	W	S	72.7	112.1	112.7	69.7	367.2	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.
3	SW	SW	SW	SW	SW	SW	73.4	82.9	95	74.6	325.9	9	Ci.-S.	Cu.	10	Ci.-S.	Cu.
4	SW	S	SW	SW	SW	S	89.3	73.4	93.6	69	325.3	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.
5	SW	S	SW	SW	NE	Calm	46.2	72.9	100.8	36.4	256.3	8	Ci.	Cu.	5	Ci.	Cu.
6	S	Calm	SW	SW	SW	W	27.7	69.4	107.6	57.9	262.6	7	Ci.	Cu.	4	Ci.	Cu.
7	Calm	Calm	SW	SW	NE	N	20.4	67.9	102.2	31.1	221.6	8	Ci.	Cu.	8	Ci.-S.	Cu.
8	N	NW	Calm	S	S	NW	21.5	32.5	93.6	35.6	183.2	8	Ci.-S.	Cu.	9	Ci.	Cu.
9	S	NW	SW	SW	NW	Calm	27.1	66.8	92.3	34.6	220.8	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
10	SW	S	SW	SW	SW	SW	86.3	84.2	122.1	79.5	372.1	10	Ci.-S.	Cu.	7	Ci.	Cu.
11	SW	SW	SW	SW	SW	SW	78.1	107.5	107	97.6	390.2	4	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
12	SW	SW	SW	SW	SW	SW	96.9	121.2	119.1	82.7	419.9	10	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N.
13	SW	SW	SW	SW	W	SW	94.1	129.2	130.4	124.9	478.6	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
14	S	SW	SW	SW	SW	SW	62	104.8	83.5	53.1	303.4	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
15	S	Calm	SW	SW	SW	SW	25.1	62	100	68.9	256	10	Ci.-S.	Cu.-N.	5	Ci.	Cu.
16	S	S	SW	NW	NE	Calm	43.7	73.7	78.7	22.8	218.9	5	A.-Cu.	Cu.	10	Ci.-S.	Cu.-N.
17	NW	SW	SW	SW	SW	W	23.1	97.1	103.6	32.2	256	10	Ci.-S.	Cu.-N.	5	Ci.	Cu.
18	SW	SW	SW	SW	W	SW	68.7	81.6	93.3	74	317.6	7	Ci.	Cu.	7	Ci.	Cu.
19	SW	SW	SW	SW	SW	SW	97.9	111.2	112.1	71.8	393	8	Ci.-S.	Cu.	7	Ci.	Cu.
20	W	SW	SW	SW	SW	SW	61.4	84.5	128.9	79.7	354.5	4	Ci.	Cu.	7	Ci.	Cu.
21	SW	Calm	SW	SW	SW	SW	39.4	82.9	133.6	97.7	353.6	10	Ci.-S.	Cu.	9	Ci.-S.	Cu.
22	S	SW	SW	SW	SW	SW	71.6	89.1	128.9	76.2	365.8	8	Ci.-S.	Cu.	9	Ci.	Cu.
23	SW	SW	SW	SW	SW	SW	62.6	94.8	130.2	102.7	390.3	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.
24	SW	SW	SW	SW	SW	SW	90.7	126.9	102.2	107.2	427	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
25	SW	SW	SW	SW	SW	SW	104.4	124.5	139.5	93.5	461.9	10	Ci.-S.	Cu.	7	Ci.	Cu.
26	SW	SW	SW	SW	SW	SW	97.4	112	154.7	85.8	449.9	9	Ci.-S.	Cu.	10	Ci.	Cu.
27	SW	SW	SW	SW	SW	SW	113.2	151.3	166.9	143.7	575.1	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
28	SW	SW	SW	SW	SW	SW	128.7	153.2	151.8	97.4	531.1	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
29	SW	SW	SW	SW	SW	SW	132.5	160.1	143.8	97.4	533.8	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
30	SW	SW	SW	SW	SW	SW	114.9	118.1	104	85.6	422.6	9	Ci.-S.	Cu.	9	Ci.	Cu.
31	SW	SW	SW	SW	SW	SW	105.9	131	160.1	111	508	10	Ci.-S.	Cu.	9	Ci.-S.	Cu.
Mean	------	------	------	------	------	------	72.9	98.9	116	76.6	364.5	8.8	----------	----------	8.6	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	11,298	----	----------	----------	----	----------	----------

ILOILO.

[ϕ=10° 42′ N; λ=122° 34′ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.84 mm.]

SEPTEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	54.50	54.51	55.61	54.01	54.48	55.63	25.3	27.6	28	29	27.2	26	29.7	22.7	96	81	82	78	87	88	38.2
2	55.97	56.15	56.34	55.11	55.73	56.58	24.3	24.7	27.6	29	28.3	26.7	29.9	22.9	89	90	80	78	80	86	36.1
3	55.74	56.02	57.03	55.73	56.20	57.35	24.3	27.4	28.1	28.2	27.8	27.5	30	23.6	89	84	77	83	82	84	34.3
4	57.12	57.35	57.85	56.32	57.01	58.12	24.4	25.5	28.5	30	27.8	26.8	30.1	22.2	91	85	74	71	78	86	
5	56.88	56.91	58.30	57.11	57.62	59.09	26.6	26.5	28.5	24.5	24.9	24.6	30.1	23.9	87	90	80	96	90	95	13.4
6	57.90	57.86	58.81	58.35	57.34	59.71	24.2	24	27.5	29.2	24.7	23.9	31.5	23.3	93	94	78	73	86	94	45.2
7	57.63	57.20	57.95	56.03	55.87	56.47	23.8	24	23.8	24	25	25	25.1	21.4	95	95	96	94	92	90	40.4
8	55.79	56.03	57.17	56.05	56.95	58.73	24.2	25.4	28.3	29.7	26.1	26.5	29.8	23.2	91	82	74	72	85	80	
9	57.70	58.57	59.10	57.72	58.02	59.77	25.8	26.4	28.5	29.1	27.8	26.6	30	24.9	81	82	74	74	78	80	
10	58.18	57.92	58.52	56.70	57.06	58.55	26.5	26.7	29.1	30.4	28	27	30.7	26.4	82	77	66	66	73	80	
11	57.62	57.26	58.35	56.05	56.60	57.96	26.6	25.7	28.5	28.9	27.5	27.4	29.8	25.1	81	86	73	75	80	81	
12	57.32	57.36	58.12	56.23	56.62	57.38	27.2	27	28.8	30	28.1	27.7	30.6	25.2	83	79	76	71	74	76	
13	56.86	56.82	57.74	55.68	55.82	56.97	27.4	27.3	28.6	27.3	27.3	27	29.9	24.1	74	79	71	76	82	83	8.8
14	55.58	55.04	55.75	53.55	53.67	54.41	27	27	29.2	29.3	28	26	30.2	25.3	80	78	76	70	76	86	1.3
15	53.47	53.04	53.86	52.57	52.83	53.57	26.4	25.6	28.9	28.3	26.5	27.2	29.7	24.6	86	87	76	78	92	83	12.7
16	53.40	54.64	55.81	53.86	55.30	56.74	27	24.5	27.8	28.6	22.8	26	29	22.4	81	96	83	78	100	84	43.5
17	56.04	56.44	56.81	56.10	56.46	57.57	26.8	26.8	28.5	29.2	27.6	27.7	29.8	25.6	83	86	82	76	75	82	.5
18	56.47	56.52	57.12	55.41	55.84	56.95	26.5	25.8	28.5	28.1	27.9	27.3	30	24	83	81	73	79	74	82	
19	55.62	55.23	56.27	54.35	54.73	56.47	27	27	29	28	27.3	27.4	29.9	26	80	81	71	81	78	78	
20	55.27	55.59	57.17	56	56.52	58.02	26.5	25.9	27.5	24	25	25.9	27.8	23.5	85	88	79	96	88	81	13.1
21	56.97	57.47	58.37	56.66	57.23	58.74	25.5	25.6	26.9	28.1	27	26.5	28.5	24.5	81	82	86	81	88	80	18.5
22	58.44	58.91	59.77	57.99	58.94	60.36	26.5	26.2	28.5	28.8	27.8	27.5	29.9	25.6	83	90	78	76	79	78	
23	58.92	59.39	60.03	57.71	58.88	60	27.2	25	29.4	29.6	25.5	25.3	31	23.9	81	89	74	76	85	89	4.8
24	58.64	59.03	59.33	57.01	57.56	58.94	24.5	24	28.1	29.5	25	24.5	30.1	23.6	94	95	77	75	88	94	1.8
25	57.87	57.68	58.77	55.99	57.02	58.27	24.4	24	28.5	29	24.7	24.7	31.2	23.5	97	96	75	74	92	91	10.2
26	57.40	57	58.12	55.36	55.75	57.47	24.5	24.4	28.2	28.7	27.9	27.4	30.1	24.1	94	92	72	75	81	78	
27	56.45	56.31	57.75	55.77	56.72	58.17	26.8	26.1	26.2	28.8	25.5	27	29.8	24.8	84	83	90	76	92	83	17.3
28	57.04	58.15	59.43	56.92	57.59	59.08	26.5	25.2	26.4	27.3	26.7	26.9	28.5	24.8	85	91	85	82	81	80	23.9
29	58.14	58.58	58.87	57.02	57.15	58.01	26.6	26	27.9	29.6	27.5	27	29.8	23.1	84	87	76	70	82	80	
30	57.98	57.51	58.27	56.55	57.26	59.02	27	27	28.5	28.5	27	27.1	30	26	84	86	79	81	71	83	.5
Mean	56.76	56.88	57.75	55.93	56.49	57.80	25.9	25.8	28.1	28.4	26.7	26.5	29.8	24.1	85.9	86.4	77.8	77.7	83	83.8	
Total																					369

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.	
												Amount.	Form and direction.		Amount.	Form and direction.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	SW	SW	SW	SW	SW	120.5	137	133.8	105.6	496.9	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
2	SW	SW	SW	SW	SW	SW	93.5	76.6	146.2	101.4	417.7	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.
3	SW	SW	SW	SW	SW	SW	88.2	127.4	124.9	96.1	436.6	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
4	W	SW	SW	SW	SW	SW	90.6	65.7	90.7	36.2	283.2	10	Ci.-S.	Cu.	8	Ci.	Cu.
5	SW	Calm	WSW	SW	Calm	Calm	28.5	50.7	71.6	24.6	175.4	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
6	NW	Calm	E	SW	SW	SE	25.9	29.2	66.3	25.4	146.8	8	Ci.-S.	Cu.	10	Ci.-S.	Cu.
7	NW	S	S	W	Calm	SE	23.3	58.9	33	26.9	142.1	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
8	SW	SW	S	SW	SW	SW	75.6	128.5	122.6	90.1	416.8	10	Ci.-S.	Cu.	7	Ci.	Cu.
9	S	SW	SW	SW	SW	SW	88.3	88.5	116.1	86.3	379.2	7	Ci.-S.	Cu.	3	Ci.	Cu.
10	SW	SW	SW	SW	SW	SW	81.8	107	121.8	93.5	404.1	1	Ci.	Cu.	3	Ci.	Cu.
11	SW	SW	SW	SW	SW	SW	83.4	96.6	124.1	85.9	390	5	Ci.	Cu.	10	Ci.-S.	Cu.
12	SW	SW	SW	SW	SW	SW	87.4	126.5	115.7	96.1	425.7	8	Ci.-S.	Cu.-N.	5	Ci.	Cu.
13	SW	SW	SW	SW	SW	SW	96.4	110	133.6	111.8	451.8	9	Ci.-S.	Cu.	8	Ci.-S.	Cu.
14	SW	SW	SW	SW	SW	SW	128.7	138.6	165.2	142.4	574.9	8	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.
15	SW	SW	SW	SW	SW	SW	147.1	164	169.2	180.1	660.4	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
16	SW	W	SW	SW	SW	SW	159.5	140.5	165.1	113.7	578.8	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.
17	SW	SW	SW	SW	SW	SW	133.1	151.5	141.9	104.3	530.8	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.
18	SW	SW	SW	SW	SW	SW	125.3	131.7	132.5	95	484.5	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
19	SW	SW	SW	SW	SW	SW	111.2	117.2	128.7	129.2	486.3	5	A.-Cu.	Cu.	10	Ci.-S.	Cu.
20	SW	Calm	SW	SW	SW	SW	84.8	66	132.3	124.5	407.6	9	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
21	SW	SW	SW	SW	SW	SW	120.7	91.4	90.1	64.6	366.8	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.
22	SW	Calm	SW	SW	SW	SW	52.8	66.3	92.5	59.5	271.1	8	Ci.-S.	Cu.-N.	10	Ci.	Cu.
23	SW	Calm	SW	SW	E	Calm	58.9	43.3	72.1	30.9	205.2	5	Ci.	Cu.	10	Ci.-S.	Cu.-N.
24	Calm	Calm	NE	SW	E	Calm	15.3	26.8	69.5	22.8	134.4	10	Ci.	Cu.	9	Ci.-S.	Cu.-N.
25	Calm	Calm	NE	SW	NW	Calm	14.7	32.2	49.9	22	118.8	9	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N.
26	Calm	Calm	SW	SW	SW	SW	18	42.3	109.1	91.7	261.1	9	Ci.-S.	Cu.	4	Ci.	Cu.
27	SW	SW	SW	SW	SW	SW	96.1	101.6	126.8	98	422.5	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.
28	SW	SW	SW	SW	SW	SW	93	86.3	131.2	83.9	394.4	10	Ci.-S.	Fr.-N. SW	10	Ci.-S	Cu.-N.
29	SW	SW	SW	SW	SW	SW	83.2	123.1	113.7	88.5	408.5	10	Ci.-S.	Cu.	7	Ci.	Cu.
30	SW	SW	SW	SW	SW	SW	78.7	71	106.2	71.9	327.8	10	Ci.-S.	Cu.	5	Ci.	Cu.
Mean							83.5	93.2	113.2	83.4	373.3	8.7			8.5		
Total											11,200.2						

ILOILO.

[$\phi = 10°\ 42'$ N; $\lambda = 122°\ 34'$ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.84 mm.]

OCTOBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.18	58.70	58.91	57.24	58.01	59.57	27.3	27.5	29.2	29.5	28	27.4	30.5	26.9	82	78	78	75	81	85	------
2	58.47	59.33	60.33	58.14	59.20	60.59	27.2	24.9	29.1	30	28.5	26	31	24	83	95	73	65	77	80	------
3	59.62	60	60.83	58.04	59.21	59.85	24.8	24.1	29.2	30.3	27.5	25.7	31	23.6	92	95	76	70	77	86	------
4	58.52	59.20	59.81	57.36	58.04	59.18	25	23.4	29.1	29.3	28.4	25.7	30.7	23	90	92	71	72	80	90	------
5	57.67	58.49	59.15	56.75	58.13	58.89	24.6	23.8	29.5	27.8	25	24.5	30.3	23.5	93	93	68	79	91	92	3.6
6	58.07	58.53	59.41	57.44	58.62	59.82	24.4	23.7	27.9	28.7	26.5	26.5	29.4	23.5	92	94	80	74	83	82	5.4
7	59.27	59.60	60.85	58.70	59.38	60.22	25.2	26	27.2	26.5	26.5	26.5	28.8	24.9	90	84	79	85	82	84	6.4
8	59.19	59.54	60.39	57.76	58.60	59.72	26	24.3	28	28	27.5	24.3	29.2	23.9	88	97	77	80	79	95	56.9
9	58.63	58.65	59.26	57.34	57.75	58.77	23.5	24	26.4	26.5	24.1	25.5	27.3	23.3	97	96	82	84	97	88	13.7
10	57.44	57.87	58.48	56.69	56.78	57.50	25.2	26	27	27	26	26	27.6	24	90	85	80	80	84	86	9.9
11	56.98	57.08	57.75	55.80	56.51	58.12	26	24.6	28.5	29.1	24.5	24.6	29.8	23.7	88	91	78	74	96	98	38.9
12	57.24	57.63	58.83	56.45	57.60	58.84	25.2	24	28	28	28	26	30	23.9	94	99	81	81	74	89	2.5
13	57.97	57.94	58.48	56.05	56.67	57.33	25.1	24.8	28.5	27.9	25	24.7	30	24.3	91	93	73	79	96	94	14
14	56.67	56.05	56.66	54.51	55.05	56.14	24.5	24.1	28	26.5	27.2	25.5	29	23.6	94	96	80	87	87	93	32
15	54.59	54.09	54.29	51.94	52.58	52.44	24.5	24	25.8	25	23.8	23.9	27	23.4	91	92	90	90	93	91	136.3
16	49.86	50.16	50.46	48.55	50.55	52.33	23.6	24	24.2	23.8	24	25.8	26	22.8	95	93	94	98	98	85	182.9
17	52.39	55.61	57.62	56.44	57.69	59.07	25.5	24	26.2	28	26.7	25.1	28.4	23.4	84	91	83	75	83	88	6.9
18	58.73	59.12	59.59	57.72	58.54	59.90	24.5	25	29.4	30.4	28.5	26.2	30.5	24.3	92	91	65	65	74	85	------
19	58.89	59.95	60.15	57.41	58.27	59.31	25.5	25	27.8	30.7	27	25.6	31.2	24.8	92	92	79	69	84	90	------
20	58.47	58.75	59.44	56.86	57.30	58.82	25.2	24.4	28.3	28.4	27.5	25.1	31	24.1	85	92	73	75	81	87	.5
21	58.22	59.03	59.79	56.89	58.26	59.77	24.8	24.5	28.8	32.5	25.8	25.6	32.8	24.1	87	87	72	60	90	91	15.3
22	58.10	58.78	59.52	56.67	57.61	58.88	24.8	24.3	28.8	30.6	28.5	26.5	31.6	24.1	92	93	76	67	78	88	------
23	57.59	58.55	59.07	56.04	58.13	58.62	25.5	24.7	29	31.5	24.6	24.7	32.2	23.9	89	94	75	62	89	89	25.4
24	57.67	58.55	59.18	56.37	57.23	58.20	24.4	23.5	27.7	29.7	25.8	25.1	31.1	23.4	91	96	79	71	93	92	8.9
25	57.07	57.75	58.43	56.86	57.46	58.58	24.5	24.5	28.7	27.8	25.4	26	30.7	24.2	92	92	72	79	92	89	------
26	57.09	57.57	58.40	56.72	57.26	58.60	24.5	24	28.7	29.4	27.6	27	30	23.8	94	97	74	72	81	83	------
27	58	58.67	59.51	57.81	58.22	59.72	25.8	25.9	29.3	29.6	28	26.5	30.2	25.3	89	88	73	71	81	92	------
28	58.84	59.34	60.07	57.61	58.40	59.62	25.2	24.3	30	31.5	28.7	25.6	31.9	24	95	92	70	60	59	82	------
29	58.49	58.43	59.31	57.12	58.22	59.36	24.5	24.3	29.5	30.5	27.6	25.6	31.1	23.5	87	89	66	52	76	88	------
30	58.49	58.86	59.74	57.70	58.65	60.67	24.2	24	29.2	30	28.5	26.1	31.9	23.2	90	91	66	62	70	89	------
31	59.40	59.97	60.59	58.11	59.35	60.20	25	23.8	28.9	32	28.5	26	32.8	23.6	90	93	71	57	78	88	------
Mean	57.61	58.12	58.85	56.62	57.52	58.67	25	24.5	28.3	28.9	26.7	25.7	30.2	23.9	90.3	92	75.9	73.2	83.4	88.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	559.5

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	SW	SW	SW	SW	SW	67.1	93.5	91.5	49.3	301.4	9	Ci.-S.	Cu.	3	Ci.	Cu.
2	SW	Calm	SW	SW	SW	SW	35.4	42	89.5	33.2	200.1	4	Ci.	Cu.	7	Ci.	Cu.
3	Calm	Calm	SW	SW	NW	Calm	16.1	44.9	95.8	18.8	175.6	1	Ci.	Cu.	6	Ci.	Cu.
4	Calm	Calm	SW	SW	SW	W	26.6	44.5	90.9	37	199	8	Ci.	Cu.	10	Ci.-S.	Cu.
5	NW	Calm	SW	SW	NW	NW	21.2	44.6	72.1	34	171.9	10	Ci.-S.	Cu.	9	Ci.-S.	Cu.
6	Calm	Calm	SW	SW	SW	SW	16.6	62.8	89.9	92.7	262	9	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N.
7	S	SW	SW	SW	SW	SW	88.3	113.8	104.6	69.7	376.4	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
8	SW	Calm	SW	SW	SW	SW	41.3	75.3	116.1	80.8	313.5	10	Ci.-S.	Cu.	8	Ci.-S.	Cu.
9	SW	SW	SW	SW	SW	S	75.3	119.6	106.5	88.2	389.6	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
10	SW	SW	SW	SW	SW	SW	91.5	112.3	146.7	97.1	447.6	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
11	S	SW	SW	SW	SW	SW	109.4	106.7	116.1	83.2	415.4	10	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.
12	SW	Calm	SSW	SW	SW	Calm	55.7	44.6	83.1	26.7	210.1	10	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.
13	Calm	Calm	SW	SW	W	Calm	24.4	44.6	63	18.3	150.3	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
14	N	Calm	SW	SW	N	NW	22.8	29.2	50.4	31.4	133.8	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
15	NE	NW	NW	W	NW	W	32	43.7	77.2	121.7	274.6	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
16	NW	NW	W	SW	SW	SW	131.7	149.1	285.5	266.1	832.4	10	------	N.	10	------	N.
17	SW	SW	SW	SW	SW	S	228.6	180.6	131	63.1	603.3	10	------	N.	10	Ci.-S.	Cu.
18	SE	SE	WNW	SW	SW	N	32	52.5	62.2	48.9	195.6	5	------	Cu.	5	A.-Cu.	Cu.
19	NE	NE	NE	NE	NE	N	46.5	70	77.4	72.7	266.6	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
20	N	N	NNE	NE	NE	NE	80.7	89.5	88.3	53.3	311.8	10	Ci.-S.	Cu.	8	Ci.-S.	Cu.
21	NE	NE	NE	S	NW	N	44.1	86.3	51.2	49.6	231.2	10	Ci.-S.	Cu.	10	Ci.	Cu.
22	N	N	NE	E	NE	N	58.5	77	91.1	57.3	283.9	4	Ci.	Cu.	6	Ci.-S.	Cu.
23	N	NE	NE	E	N	N	53.6	71.1	65	34	223.7	10	Ci.	Cu.	6	Ci.	Cu.
24	N	NE	E	SW	Calm	Calm	21.2	30.9	47.3	20.3	119.7	8	Ci.	Cu.	10	Ci.-S.	Cu.
25	NW	Calm	NE	SW	N	SE	36.4	----	57.1	21.1	------	9	Ci.-S.	Cu.	9	Ci.-S.	Cu.
26	Calm	Calm	SSW	SW	SW	SW	19.1	53.7	93.9	46.1	212.8	3	Ci.	Cu.	4	Ci.	Cu.
27	S	Calm	SW	SW	SW	N	24.6	55.8	78.1	29.5	188	5	Ci.	Cu.	6	Ci.	Cu.
28	N	NE	NE	NE	NE	N	38.4	68.7	99	69.2	275.3	1	------	Cu.	4	Ci.	Cu.
29	NE	N	NE	NE	N	N	69.5	109.4	131.8	79.4	390.1	1	------	Cu.	5	Ci.	Cu.
30	N	NE	NE	SW	SW	N	50.1	50.1	69.2	47.8	217.2	1	------	Cu.	1	------	Cu.
31	NNW	Calm	E	E	Calm	NE	30.3	45.1	54.5	32.2	162.1	1	------	Cu.	6	Ci.	Cu.
Mean	------	------	------	------	------	------	54.5	73.7	92.8	60.4	284.5	7.4	------	------	7.7	------	------

ILOILO.

[$\phi = 10°\ 42'$ N; $\lambda = 122°\ 34'$ E; barometer above sea, 6.5 meters; gravity correction not applied, −1.84 mm.]

NOVEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.72	59.75	59.59	56.92	57.39	57.63	25.2	24.5	28.9	25.5	25.2	24.5	29.9	23.9	91	91	71	93	92	92	105.4
2	56.34	57.58	59.49	57.53	58.42	59.85	24.8	24.5	26.9	27.1	26.2	24.8	28.5	22.9	90	94	77	76	82	92	2
3	59.23	59.46	60.13	57.47	58.70	59.70	23.5	23	28.9	29.3	27.6	25.7	30.5	22.1	96	94	67	65	75	87	------
4	58.79	58.84	59.87	57.25	58.23	59.30	24.4	23.8	27	30	27.6	24.9	30.5	23.6	88	92	83	62	75	89	------
5	58.54	59	59.56	58.05	57.44	58.23	24.5	23	27.5	28.7	26.1	25	29.8	22.9	91	91	77	68	86	90	16
6	56.49	54.98	53.10	53.39	56.04	58.39	24	23.2	24.8	28.5	23.6	23.5	28.7	22.7	93	98	97	70	95	96	80
7	57.26	58.39	59.03	57.40	58.82	59.70	23.2	23.3	28.8	30	25.4	25.2	30.9	22.9	97	94	71	71	87	90	22.1
8	59.19	59.75	60.40	57.90	58.48	59.90	24.2	24	28.5	29.8	27.5	22.8	30.4	22.6	95	96	70	63	77	93	14.7
9	58.69	58.78	59.13	56.76	57.38	58.62	24.2	24	28.6	29.7	27	24.9	29.7	22.5	88	92	70	64	75	87	1
10	57.73	58.25	58.83	56.61	57.36	58.99	24.6	24	28.5	29.5	27.6	25	29.9	23.6	90	91	70	66	76	92	------
11	58.26	58.87	59.61	57.82	58.25	59.73	24.5	24.6	28.5	30.1	28	25.6	30.7	24.3	92	92	77	64	81	91	------
12	58.77	59.23	59.87	57.21	57.80	58.35	25.2	25	27.3	29.5	26.8	25.5	30.1	24.6	90	92	83	75	86	94	4.5
13	57.87	58.13	58.76	56.75	57.50	58.33	25.2	25	29.5	30.7	27.2	25.6	31.4	24.7	95	92	68	59	83	90	------
14	57.59	58.16	58.92	56.76	57.65	58.89	24.4	24.5	28.6	30.5	27.7	25.4	30.7	24	95	92	70	63	79	87	------
15	58.10	59.04	59.84	57.31	58	59.08	24.4	24	29	30.5	28	25.4	31.3	23.6	94	91	69	68	79	93	------
16	58.03	58.81	59.39	57.16	57.72	58.74	24.5	24.4	30	31.1	28.8	25.6	31.8	23.7	92	92	65	68	77	89	------
17	57.82	58.28	58.97	56.59	57.50	58.67	24.6	23.8	29.5	31	28.1	25.4	31.5	23.6	91	91	64	56	73	85	------
18	57.67	58.39	59	56.66	57.33	58.53	24.5	24.5	29.4	31	27.6	25	31.5	23.7	94	92	66	45	66	79	------
19	57.89	58.60	58.91	56.35	57.27	58.57	23.2	22.4	29.4	30.6	28	24.6	31.5	22.4	85	89	68	65	80	87	------
20	57.88	57.94	58.46	56.04	56.69	57.68	23.6	23	29.5	30.1	28.5	25.1	31	22.9	91	91	68	69	70	88	------
21	56.62	57.63	58.25	55.86	56.86	58.47	24.4	23.2	29.5	31.6	27.9	25	32.2	22.5	92	90	70	59	82	92	------
22	57.37	57.88	58.32	56.48	57.62	58.82	24.2	24	28.5	26	26.2	25	29.6	23.7	95	91	71	89	85	93	24.4
23	56.90	57.85	58.16	55.68	57.01	57.17	24.5	24.4	28	29	26.3	25.2	29.4	23.5	92	92	74	62	76	82	------
24	56.16	56.33	56.30	54.88	54.88	55.55	23.8	24.5	28.5	28.8	27	24.6	29.5	23.5	91	89	68	72	77	92	60.6
25	51.83	47.57	50.78	53	54.98	56.99	------	------	------	------	------	------	------	------	------	------	------	------	------	------	43.7
26	57.51	58	58.07	56.01	56.52	58.58	21.5	21	27.5	30.1	27.4	25	30.7	20.5	97	97	73	59	74	83	------
27	57.98	58.61	59.12	56.51	56.60	56.97	23.8	22.9	28.2	28.9	26.8	25.2	30.5	22.5	85	88	74	75	78	89	10.7
28	55	54.85	53.98	51.44	52.32	55.07	25	24.9	26	28	26.7	25.5	28.5	23.2	92	91	92	76	81	86	17.2
29	55.08	55.97	57.20	55.93	57.89	59.08	24.4	25	26.5	28.3	24	24.5	29.4	22.9	86	83	84	70	89	92	7.6
30	58.16	58.73	59.73	57.79	58.56	59.93	23.8	23.5	28.5	30	27.5	26	31	22.6	93	96	68	65	74	84	.5
Mean	57.45	57.79	58.36	56.38	57.24	58.45	24.2	23.9	28.3	29.4	27	25	30.4	23.2	91.8	91.9	73.3	67.5	79.7	89.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	410.4

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Form and direction.		Amount.	Form and direction.	
													Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	N	NW	SE	SW	S	31.9	42.9	46.9	81.8	203.5	9	Ci.	Cu.	10	Ci.-S.	Cu.-N. N
2	SW	SE	SW	SW	SW	SW	73.7	88.3	106.7	19.3	288	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.
3	SW	Calm	NW	SW	SW	SW	21.7	29.5	70.5	22.3	144	1	------	Cu.	2	Ci.	Cu.
4	E	NE	E	NE	NE	N	30.8	85.6	120.2	59.2	295.8	3	A.-Cu.	Cu.	8	Ci.	Cu.
5	NE	N	NNE	N	NE	NE	63.4	82.1	85.9	40.5	271.9	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
6	NW	NW	N	SE	E	SW	55.8	209.8	85.9	61.4	412.9	10	------	N.	10	Ci.-S.	S.-Cu. SE
7	Calm	NW	NE	NE	N	N	23.3	71.6	118.9	81.6	295.4	9	Ci.-S.	Cu.	8	Ci.-S.	Cu.
8	N	NE	NE	NE	NE	NE	75.3	123.3	140.2	95.8	434.6	10	Ci.-S.	Cu.-N.	5	Ci.	Cu.
9	NE	NE	NE	NE	N	N	95.6	132.2	125.7	94.4	447.9	9	Ci.-S.	Cu.	4	Ci.	Cu.
10	N	N	NE	NE	NE	N	95.2	129.5	142.4	89.8	456.9	3	Ci.-S.	Cu.	2	Ci.	Cu.
11	N	N	NE	NE	NE	N	94.6	126.9	110.2	93.6	425.3	5	Ci.-S.	Cu.	7	Ci.-S.	Cu.
12	N	N	NE	NE	N	NE	77.9	84.7	106	75.6	344.2	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.
13	N	N	NE	NE	N	N	93	115.7	113.2	96	417.9	8	Ci.-S.	Cu.	4	Ci.	Cu.
14	N	N	NE	E	NE	N	73.4	109.4	103.2	89.5	375.5	3	Ci.	Cu.	3	Ci.	Cu.
15	N	N	NE	NE	NE	N	79.9	112.9	108.9	88	389.7	3	Ci.	Cu.	5	Ci.	Cu.
16	N	N	NE	E	NE	N	63	86.1	78.4	84.3	311.8	2	Ci.	Cu.	7	Ci.	Cu.
17	N	N	NE	NE	NE	N	68.4	102.7	120.7	85.3	377.1	1	------	Cu.	3	Ci.	Cu.
18	N	N	NE	NE	NE	N	100.1	113.5	118.3	84.5	416.4	1	------	Cu.	2	Ci.	Cu.
19	NE	NE	NE	NE	NE	N	50.2	100.3	99.2	67.9	317.6	1	------	Cu.	6	Ci.	Cu.
20	NE	NE	NE	NE	NNE	NE	51	83.7	96.1	49.3	280.1	5	Ci.	Cu.	8	Ci.	Cu.
21	NE	Calm	NE	E	N	N	41.3	74.2	52.1	73	240.6	8	Ci.-S.	Cu.	8	Ci.	Cu.
22	NNE	NE	NNE	NE	N	NE	68.9	97.1	54.1	65.2	285.3	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
23	N	N	N	N	NE	N	77.9	140.6	121.7	89.5	429.7	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
24	N	NE	N	N	N	NW	34.1	80.8	117.2	57.4	289.5	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
25	W	SW	SW	SW	SW	SW	113	364.1	187.4	54.7	719.2	10	------	N.	10	Ci.-S.	Fr.-N.
26	N	NE	E	NE	N	NE	28.5	47.7	64.1	57.6	197.9	1	------	Cu.	2	------	Cu.
27	NE	NE	NE	NE	N	N	56.6	98	95.3	76.4	326.3	3	Ci.	Cu.	10	Ci.-S.	Cu.-N.
28	NW	N	N	NE	NE	E	101.2	205.5	271.5	146.1	724.3	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Fr.-Cu.NE
29	S	SE	E	SW	SW	Calm	56.9	75.6	86.1	30.3	248.9	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.
30	NW	Calm	NE	SW	SW	Calm	28.5	31.6	48.8	19.3	128.2	8	Ci.-S.	Cu.	8	Ci.-S.	Cu.
Mean	------	------	------	------	------	------	64.2	108.2	106.5	71	349.9	6.4	------	------	7.1	------	------
Total	------	------	------	------	------	------	------	------	------	------	10,496.4	----	------	------	----	------	------

ILOILO.

[$\phi = 10°\ 42'$ N; $\lambda = 122°\ 34'$ E; barometer above sea, 6.5 meters; gravity correction not applied, —1.84 mm.]

DECEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.53	60.59	61.32	59.06	60.57	61.43	24.2	24.1	28	29.5	26.8	24.5	30.8	23.5	86	96	81	64	85	89	------
2	60.22	60.58	61.70	58.40	59.40	60.68	23.5	23	27	29.5	27.5	24.6	30.2	22.9	90	87	78	68	77	89	------
3	59.40	59.25	59.71	56.92	57.67	58.86	23.8	23	28.4	28.9	27	25.6	31	22.6	86	90	68	68	80	84	------
4	58.07	58.25	58.68	56.57	57.48	58.26	23.4	23	27.8	28.9	26.5	25.3	29.6	21.9	90	91	61	68	76	89	------
5	57.13	57.57	59.32	56.75	57.61	58.66	23.8	26	28	29	27.5	25.5	29.3	23.2	90	80	72	71	74	88	------
6	58.32	58.89	59.85	57.71	58.72	59.97	23.6	23.3	28	30.6	27.8	25.7	31	22.9	94	96	68	52	74	84	------
7	59.10	59.97	60.62	58.63	58.95	60.52	24	23.5	27.5	27.2	25.8	24.9	29.1	23	91	88	73	79	81	86	5.8
8	59.39	59.73	60.47	58.48	58.91	60.17	23.8	23.1	27.4	29	25.6	23.8	29.5	22.9	89	86	63	55	75	85	------
9	59.75	59.94	61.05	58.97	58.97	60.32	23.2	22.6	26.5	25.6	25	24.8	27.3	22.2	83	86	75	87	88	87	8.3
10	59.11	59.50	60.25	59.19	59.33	59.98	24	23.9	27	24	24.1	24.1	28	23.4	93	95	83	95	86	91	5.8
11	58.79	59.31	60.02	58.18	59.23	60.08	23.8	23.6	27.8	29	25.4	24.5	29.4	23.2	89	91	71	58	80	86	------
12	59.29	59.55	60.82	58.65	58.93	60.07	24.4	24.4	28.2	29.5	26.9	25.7	30	23.7	85	84	59	58	74	88	------
13	59.14	59.70	60.77	58.75	59.51	61.08	24.6	24.5	28	29.5	26.7	25.5	30	24.3	91	92	71	61	79	83	2.3
14	59.85	60.19	61.05	58.76	59.45	60.37	24.5	24.5	28.2	29.2	27.5	25 4	30.1	23.7	92	92	76	68	76	90	------
15	59.37	59.40	60.91	58.30	59.42	60.86	24.8	24.5	27	30	27.2	25	30.1	24	89	91	79	57	68	88	------
16	59.84	59.96	60.27	58.33	59.01	60.08	24.4	23.1	28	28.7	27.7	25.4	29.4	22.9	91	95	61	62	64	80	------
17	59.19	59.51	60.36	57.74	58.70	59.81	24.5	23.5	28.5	29.8	27.4	25	30.2	23.4	82	87	64	52	66	88	------
18	58.77	59.39	60.36	57.20	57.85	58.65	24	23.8	27.6	29	26.5	23.1	29.3	22.6	88	89	62	58	73	84	------
19	57.99	58.64	60.02	57.10	58.46	58.94	22.5	20.5	27.8	28.5	27	24	30.1	20.5	85	89	55	57	63	80	------
20	58.01	58.38	59.52	57.16	58	58.95	23.5	24	27.9	28.6	27.5	25	29.5	22.6	85	87	74	76	81	89	1
21	58.13	58.66	59.01	57.15	57.70	59.07	24.2	23.8	28.2	28.7	27.4	25.5	30	23.4	91	94	72	75	73	84	4.6
22	58.32	58.99	59.65	57.67	58.42	59.96	25.2	25	27	27.6	26.2	25.3	28.4	24.2	86	87	83	80	85	88	------
23	59.06	59.98	61.13	58.72	59.73	60.87	24.8	24	26.5	28.5	26.5	25.4	28.7	23.7	88	91	77	66	76	82	------
24	59.29	59.19	59.83	57.85	58.75	59.74	24.8	23.9	27.8	29.5	27.5	25	29.7	23.4	83	88	70	58	74	88	5.8
25	59.26	59.31	60.31	58.31	59.34	60.14	24.8	24.3	28.4	29	26.8	25.3	29.4	24	87	88	66	62	80	87	------
26	59.49	59.60	60.43	57.88	58.87	59.91	24.8	24.6	28	29	27.5	25	29.3	24.2	85	85	65	51	60	80	------
27	59.49	59.46	60.26	58.46	58.91	59.98	24.5	24.1	28	29	27.9	25.8	29.7	24	84	89	70	68	74	84	------
28	59.03	60.17	61.25	58.46	59.37	60.32	25	24.6	28.5	30	28.4	25.8	30.4	24.3	87	87	68	63	77	85	------
29	59.62	60.13	61.51	59.30	59.81	61	25	24.5	28.3	29	27.7	25.4	29.7	24.1	89	92	69	65	73	83	4.3
30	60.21	60.42	61.47	58.87	59.43	60.43	24.8	23.9	26.8	28.9	27.4	25.1	29.1	23.4	87	89	74	54	66	85	------
31	59.66	59.69	60.17	58.16	58.76	59.88	25	24.7	28.3	28.7	27.7	25.7	29.5	24.2	87	87	72	70	76	86	------
Mean	59.09	59.48	60.39	58.12	58.88	59.97	24.2	23.8	27.8	28.8	26.9	25.1	29.6	23.3	87.8	89.3	70.3	65.4	75.3	85.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	37.9

Day.	Wind. Direction.						Wind. Total movement in 6 hours.				Wind. Total movement in 24 hours.	Clouds. 6 a. m.			Clouds. 2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	N	E	SW	E	NE	30.6	44.1	52	36	162.7	10	Ci.-S.	Cu.	5	Ci.-S.	Cu.
2	NE	NE	NE	NE	NE	NE	28.5	61.4	82.4	57.7	230	3	Ci.	Cu.	7	Ci.	Cu.
3	N	N	NE	NE	Calm	Calm	47.7	66	59.3	14.3	187.3	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
4	Calm	SE	NE	SW	SW	Calm	22.5	38.3	61	20.4	142.2	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
5	W	SW	SW	SW	SW	SE	51.8	103	106.8	56.9	318.5	9	Ci.-S.	Cu.	5	Ci.	Cu.
6	S	Calm	E	E	SW	N	23.5	30.4	48.8	39.6	142.3	6	Ci.-S.	Cu.	2	Ci.	Cu.
7	N	N	NE	N	NNE	NE	65.4	92.2	87.7	99.6	344.9	6	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
8	N	NE	NE	NE	NNE	NE	100.1	139.2	135	93.8	468.1	8	Ci.-S.	Cu.	3	Ci.	Cu.
9	N	N	NE	NE	N	N	103.6	136.8	126.6	127.3	494.3	7	Ci.	Cu.	10	Ci.-S.	Cu.-N.
10	N	N	N	N	NNE	N	98.8	141.3	163.9	144.5	548.5	9	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
11	N	N	NE	NE	NNE	N	126.5	160.4	179.5	114.6	581	7	Ci.-S.	Cu.	9	Ci.-S.	Cu.
12	N	N	NE	NE	NE	N	127.4	183.2	164.2	103.6	578.4	10	Ci.-S.	Cu.	2	------	Cu.
13	N	N	NE	NE	NE	NE	115.1	144.6	175.2	98.2	533.1	6	Ci.-S.	Cu.-N.	6	Ci.	Cu.
14	N	N	NNE	NE	NE	N	94.6	122.3	150.7	94.4	46.2	9	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
15	N	N	N	NE	NE	NE	110	133.6	145.8	96	485.4	7	Ci.	Cu.	3	Ci.	Cu.
16	N	N	NE	NE	NE	NE	97.2	150.8	178.2	98.7	524.9	9	Ci.	Cu.	4	Ci.	Cu.
17	N	N	NE	NE	NE	N	120.2	141.3	141.8	107.6	510.9	3	Ci.	Cu.	3	Ci.	Cu.
18	N	N	NE	NE	NE	NE	96.1	114.1	114.3	46.7	371.2	8	Ci.-S.	Cu.	6	Ci.	Cu.
19	Calm	N	N	SW	Calm	N	25.4	51.5	70.2	36.8	183.9	5	Ci.	Cu.	4	Ci.	Cu.
20	NE	NE	NE	NE	NE	N	51.7	80.5	90.6	81.3	304.1	9	Ci.-S.	Cu.	6	------	Cu.
21	N	N	NE	NE	N	NE	63	109.6	102.7	93.9	369.2	8	Ci.-S.	Cu.	8	Ci.	Cu.
22	N	N	NE	NE	N	N	86.6	96.4	127.6	95.3	405.9	6	Ci.-S.	Cu.	7	Ci.-S.	Cu.
23	N	N	NNE	NE	N	NE	91.4	157.9	155.5	121.3	526.1	10	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N.
24	N	N	N	NE	NNE	N	102.7	139.4	155.1	113.7	510.9	3	Ci.	Cu.	4	Ci.	Cu.
25	N	NNE	NE	NE	NE	N	120.7	139.2	167.4	122.6	549.9	7	Ci.-S.	Cu.	6	Ci.-S.	S.-Cu.
26	N	N	NE	NE	NE	N	136.3	161	158.7	93.3	549.3	4	Ci.-S.	S.-Cu.	2	A.-Cu.	Cu.
27	N	N	NE	NE	NE	N	104	134.6	145.6	74.2	458.4	10	Ci.-S.	Cu.	3	A.-Cu.	Cu.
28	N	N	NNE	NE	NE	NE	52.6	89.8	111	101.4	354.8	4	Ci.-S.	Cu.	4	A.-Cu.	Cu.
29	N	N	NE	NE	NE	N	81.9	137.9	168.8	115.6	504.2	2	Ci.-S.	Cu.	9	Ci.-S.	Cu.
30	N	N	NE	NE	NE	N	109.2	158.2	180.8	119.4	567.6	3	Ci.-S.	Cu.	3	A.-Cu.	Cu.
31	N	N	NE	NE	NE	N	108.4	164.5	176.9	102.8	552.6	7	Ci.-S.	Cu.	8	A.-Cu.	Cu.
Mean	------	------	------	------	------	------	83.7	116.9	128.5	87.8	416.9	6.9	------	------	6.1	------	------
Total	------	------	------	------	------	------	------	------	------	------	12,922.6	------	------	------	------	------	------

ORMOC.

[$\phi = 11°\ 00'$ N; $\lambda = 124°\ 36'$ E; barometer above sea, 5.6 meters; gravity correction not applied, —1.83 mm.]

JANUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.39	59.67	60.50	58.07	59.19	60.06	23.6	22.6	27.2	30.2	26.5	23.8	30.8	21.8	84	87	68	45	70	84	------
2	59.38	60.23	60.98	59.23	60.24	61.31	22.6	21	27.7	29	25.7	25.3	30.2	20.2	92	92	59	58	80	68	------
3	60.52	60.64	61.40	59.78	60.89	61.50	23.8	23.7	27.6	26.9	25.5	24.6	29.4	21.8	77	76	65	83	75	74	0.3
4	60.65	61.11	62.09	59.93	60.38	60.92	24.8	25	26.2	28.4	25.5	24	29.3	22.6	70	69	71	68	74	71	1.5
5	60.68	60.72	61.04	58.78	59.62	59.99	22.8	23.8	29.7	30.4	27.9	26.4	30.9	22.2	78	77	45	49	63	72	------
6	59.31	59.54	60	58.72	59.80	60.06	24.7	23.1	28.3	27.9	26.4	24	30.2	22.8	81	92	68	76	69	91	2.8
7	59.79	59.97	60.70	59.25	60.43	60.50	23.3	23.5	28.1	29.8	26.5	21	30.2	19.5	96	82	55	50	64	86	------
8	60.52	61.12	61.20	59.36	60.04	60.05	20.6	21.6	25.8	26.1	26.6	21.5	27.9	19.5	90	95	78	82	68	91	.5
9	59.69	60.63	61.28	59.78	59.91	60.85	20	18.8	26.9	24.4	26.1	21.5	27.8	18	95	99	70	89	82	92	.3
10	60.34	61.23	61.98	59.82	61.29	61.85	20.6	20.7	27.2	27.9	26.5	23.2	29.7	20.2	96	94	75	69	69	85	------
11	61.21	62.51	63.10	60.42	61.91	62.49	20.2	18.5	25	28.2	26.2	22	29.3	18.2	98	98	85	72	70	91	------
12	61.45	62.01	62.63	60.19	61.71	62.61	21.8	20.6	27	26.1	23.7	23	27.2	20.3	91	94	75	81	96	97	45.2
13	61.73	61.75	62.80	60.39	61.68	63.10	22.6	22.7	28.4	30.5	26.5	25	30.5	21.9	97	93	56	57	70	69	------
14	62.26	62.48	63.19	60.26	60.95	62.37	20.5	20.4	28.1	31.5	26.6	23	31.7	19.7	91	90	54	46	68	79	------
15	61.99	61.78	62.79	60.34	61.33	63.16	20.2	19.9	29.1	30.1	27	25.4	31.2	19.1	90	91	52	56	65	68	------
16	62.43	62.52	63.76	61.14	61.90	63.20	21.1	21.3	28.2	30.9	26.9	24.4	31.6	20.4	92	91	60	53	59	72	------
17	62.61	62.67	63.61	60.94	62	63.40	20.2	18.6	26.9	31.4	27.4	22.5	32	18.5	93	95	70	50	59	79	------
18	62.07	62.36	63.10	61.06	61.75	62.81	21.4	22.4	28.4	31.2	27	22.9	31.4	20.5	88	88	55	44	62	79	------
19	62.56	63.19	63.91	61.78	62.23	63.20	19.9	18.8	27.7	30.3	27.9	22.1	32.5	17.7	90	91	64	52	63	96	------
20	62.60	62.57	63.51	61.09	61.93	62.79	20.5	21.4	27.9	29.5	24.9	21.8	30.2	19.6	94	87	59	54	83	92	.8
21	61.83	62.22	62.94	61.17	61.68	62.80	19.6	18.3	26.7	28.9	26.6	20.6	30.1	18	93	96	72	65	64	76	------
22	61.92	62.63	63.51	60.83	61.18	62.04	18.5	17.4	26.9	27.8	26.5	24.5	30.5	17.2	86	92	62	67	69	78	------
23	61.36	61.87	63.01	60.89	61.63	62.84	23.1	22.3	26.1	28.2	24.9	21.7	29.1	20.5	86	92	76	65	84	92	.3
24	62.23	62.73	63.64	61.49	61.98	62.92	20.5	18.6	26.7	29.8	26.6	24.3	30.4	18.1	94	94	68	53	67	68	------
25	62.01	62.42	63.37	61.05	61.62	62.69	19.7	18.3	26.4	28.7	26.7	24	30	17.5	98	93	70	60	63	78	------
26	61.76	62.44	63.49	62.25	62.62	63.65	21.7	19.4	27	22.8	24	20.5	31.6	19.3	81	94	70	92	83	90	9.7
27	62.80	63.36	64.19	61.74	63.03	63.81	20.5	19.1	27.6	29.4	24.4	21.7	29.8	18.6	91	95	64	56	88	89	6.1
28	62.63	63.47	64.03	61.06	61.74	63.37	20.5	20.5	27.2	29.1	25.9	23.4	30.3	19.9	94	96	65	60	73	76	------
29	62.17	62.68	63.81	60.77	61.93	62.71	21.1	21.6	26.2	28.4	25.8	23.3	29.5	20.2	91	93	73	66	78	85	------
30	61.90	61.96	63.33	61.03	61.77	62.66	23	19.8	27.2	29.1	27.3	23.3	30.4	19.2	84	92	68	64	63	81	------
31	61.91	61.97	63.19	60.73	61.28	62.71	21.6	18.9	27	28.5	27.6	22.9	30	18.4	85	93	69	68	64	86	------
Mean	61.41	61.82	62.65	60.43	61.28	62.21	21.5	20.7	27.3	28.8	26.2	23.1	30.2	19.7	89.2	90.7	65.8	62.9	71.1	81.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	67.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	NE	SW	EbyN	NE	NE	19.3	31.2	59.7	19.9	130.1	10	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu. E
2	NNW	N	EbyN	ENE	N	NE	22.4	55.2	63.3	41.5	182.4	4	A.-Cu.	Cu.-N. E	10	Ci.-S.	Cu.-N. E
3	NE	NE	NE	S	NE	NE	25.4	54.2	60	48.1	187.7	10	Ci.-S.	N. E	9	Ci.-S.	Cu.-N. ENE
4	NE	NE	SE	W	E	NE	52.3	54.1	63.9	31.1	201.4	5	A.-Cu.	Cu. E	9	Ci.-Cu.	Cu. E
5	NE	ENE	E	NE	NE	NE	36.8	62.8	76.6	23.5	199.7	4	Ci.-S.	Cu.-N. E	5	Ci.	Cu. E
6	N	N	SW	SSW	NE	N	27.7	50.9	73.4	29.6	181.6	10	Ci.-S.	N. E	9	Ci.-S.	Cu.-N. E
7	SW	NNE	W	ENE	EbyN	N	18.8	40	60.9	26.7	146.4	7	Ci.-S.	Cu.-N. ENE	6	Ci.	Cu. NE
8	NW	NW	NW	SW	SW	NE	18.2	32.7	28.8	15.8	95.5	9	Ci.-S.	Cu.-N. E	6	Ci.-S.	Cu.-N. ENE
9	N	N	NW	SE	E	NE	27.4	32.5	30	20.7	110.6	4	Ci.	S.-Cu.	10	Ci.-S.	N.
10	NE	NE	SW	S	EbyS	S	17.7	44.3	63.8	20.9	146.7	4	A.-Cu.	S.-Cu.	8	Ci.-S.	Cu.-N. NE
11	N	N	S	SSW	NE	NE	23	42.1	63.9	14.8	143.8	3	Ci.	S.-Cu.	9	Ci. SW	Cu. NE
12	N	N	W	S	SE	NE	17.5	35.1	27.7	9.5	89.8	4	Ci.	S.-Cu.	8	Ci.-S.	N. E
13	NE	NNE	NE	EbyN	NE	NE	25.1	84.3	79.9	49.4	238.7	6	Ci.-S.	Cu.-N. E	7	Ci.	Cu.
14	N	N	ENE	ESE	NE	NE	28.4	38.9	42.6	22.2	132.1	4	Ci.-S.	S.-Cu.	5	Ci.	Cu. ENE
15	NW	NE	ENE	ENE	NE	NE	25.1	52.5	51.5	51.2	180.3	6	Ci.-S.	Cu.-N. NE	4	Ci.	Cu. E
16	N	N	SW	ENE	ENE	NE	28	29.8	62.6	40.4	160.8	8	Ci.-S.	Cu.-N. E	4	Ci.	Cu. NE
17	N	N	W	ENE	ENE	N	32	42.3	66.3	21.7	162.3	4	Ci.-S.	S.-Cu.	5	Ci.	Cu. NE
18	N	W	NNE	E	EbyN	ENE	23.6	39.4	78.4	43	184.4	8	Ci.-S.	Cu.-N. ENE	6	Ci.	Cu. ENE
19	N	N	W	NNE	E	NE	24.7	32.2	36.2	29.2	122.3	3	Ci.-S.	S.-Cu.	7	Ci.	Cu. NE
20	NE	NW	NE	ENE	NNE	NNE	20.9	48.1	-----	16.4	------	7	Ci.-S.	S.-Cu. NE	10	Ci.-S.	Cu.-N. NE
21	N	N	SbyW	S	NE	NE	21.9	40.2	63.4	21.7	147.2	2	Ci. W	S.-Cu.	6	Ci.-S.	Cu. NE
22	N	NE	W	S	S	N	23.6	34.8	75.6	22.2	156.2	1	Ci.	S.-Cu.	4	A.-Cu.	Cu. ENE
23	Calm	N	NW	S	N	NE	14.2	32.5	40.5	21.4	108.6	9	Ci.-S.	Cu.-N. NE	8	A.-Cu.	Cu.-N. ENE
24	N	N	W	SW	E	NE	27.2	39.9	70.8	27.2	165.1	1	Ci.	S.-Cu.	2	----------	Cu.
25	N	N	W	SW	E	NE	30.8	49.1	64.4	34.6	178.9	1	Ci.	S.-Cu.	4	----------	Cu. E
26	N	N	SW	NNE	N	N	27.2	40.8	56	26.6	150.6	4	Ci.	Cu.	10	Ci.-S.	N.
27	N	N	N	N	Calm	NE	16.9	43.3	44.1	15.9	120.2	5	Ci. SW	Cu. E	10	A.-Cu.	Cu.-N. E
28	N	N	NW	SSW	E	NE	16.1	36	64.9	18.3	135.3	9	A.-Cu.	Cu.-N. E	8	Ci.	Cu.-N. E
29	N	Calm	W	SW	Calm	E	15.9	23	43.7	17.5	100.1	9	A.-Cu. SW	Cu.-N.	8	A.-Cu.	Cu.-N. ENE
30	N	N	SW	SW	SW	ENE	19.1	41.6	68.1	24.1	152.9	2	A.-Cu.	S.-Cu.	3	Ci.	Cu.
31	N	N	W	SW	S	NE	29.3	48.5	63.6	15.5	156.9	1	Ci.	S.-Cu.	3	Ci.	Cu. E
Mean	------	------	------	------	------	------	24.4	43	58.2	26.5	152.3	5.3	----------	----------	6.8	----------	----------

ORMOC.

[ϕ=11° 00′ N; λ=124° 36′ E; barometer above sea, 5.6 meters; gravity correction not applied, —1.83 mm.]

FEBRUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	61.51	62.30	63.30	60.87	61.16	62.41	23	18.6	26.6	28.1	27.3	22.9	29.8	18.2	89	94	65	68	73	89	------
2	61.55	61.73	62.99	60.52	61.02	62.71	22.7	20.1	27.4	29.2	28.2	23.2	30.9	19.7	90	93	70	62	69	95	18.3
3	61.45	61.59	62.98	60.28	60.98	61.96	23.8	22.5	27.1	28.9	27	24.5	30.2	22.3	92	95	72	68	77	88	.6
4	61.16	61.79	63.04	61.25	62.35	62.96	23.7	23.1	26.7	27.2	25.6	24.5	27.9	22.5	89	94	71	67	79	78	------
5	61.76	62.56	63.64	61.55	62.39	63.56	23.9	23.5	25.7	27.6	25.7	25.4	29.5	22.8	88	86	79	73	73	74	1
6	62.35	62.80	63.69	61.83	62.59	63.84	25.5	24.2	28.8	31.2	26.5	23.5	31.2	22.9	68	73	54	44	60	68	------
7	62.89	63.50	63.95	61.47	62.37	63.70	21.9	22.9	29.3	30.3	26.7	24.9	30.8	20.8	74	74	50	48	58	67	------
8	62.77	62.54	63.66	61.04	61.99	63.11	20.4	17.7	27.1	31.4	27.1	22.3	31.6	17.4	83	93	63	44	59	80	------
9	61.97	62.35	62.90	60.27	61.09	62.26	20.5	21.6	27.1	29.3	27.4	24.7	30.1	19.8	87	87	68	65	69	88	.3
10	61.11	61.39	62.05	59.83	60.40	61.94	24	23.4	26.2	27.6	23.9	23.9	28.2	22.4	90	94	86	84	97	95	19.6
11	60.67	60.80	61.93	59.94	60.39	62.09	22.2	21.1	26.5	29.5	27.5	24.1	31	20.6	98	99	76	68	70	86	.3
12	60.90	61.01	61.50	58.99	59.59	61.13	21.8	20.1	29	30.9	27.6	24	31.6	19.6	94	94	58	46	59	83	------
13	59.62	60.15	60.36	58.13	58.72	59.91	21	22.4	29.6	29.8	27.5	24.5	31.4	20.2	91	93	50	57	73	79	------
14	58.54	58.98	59.56	57.62	58.42	59.17	21.6	22.5	28	28.3	25.1	23.9	32.2	20.9	91	89	73	76	95	97	26.3
15	58.52	58.83	60.14	58.10	58.92	60.31	24	23.6	25.9	28.7	26	23.7	29.6	22.9	97	99	88	75	89	95	6.8
16	59.66	59.73	60.81	58.47	58.83	60.30	22.9	22.1	27.8	29.8	27.8	24.9	31.1	21.5	97	96	75	69	71	84	------
17	59.43	59.91	61.02	58.66	59.02	60.21	23.1	23.3	27.8	29.7	27.8	26.2	31.6	22.4	91	94	80	72	68	70	------
18	59.39	59.97	60.91	58.87	60.03	60.82	21.9	19.6	28.1	30	24.7	22.9	31.7	19.4	88	94	70	69	92	97	7.2
19	60.36	60.58	61.80	60	60.24	61.76	22.5	22.1	28.1	25.6	25.1	25.3	28.9	21	96	92	70	91	83	78	4.1
20	60.62	60.79	61.29	60.05	60.20	61.33	25.3	25.6	28.6	28.5	26.9	26.1	31.3	23.7	70	64	52	54	63	68	------
21	60.46	60.99	61.80	60.13	60.50	61.58	26.1	23.9	29	30.6	27.2	25.7	31.2	23.5	65	81	62	46	56	64	.3
22	60.63	61.21	61.73	59.97	60.74	61.49	25.5	22.3	28.2	29.1	27	20.9	30.8	20.7	72	92	63	70	61	88	------
23	60.70	60.94	61.68	59.78	59.88	61.47	20.1	19.2	27.5	26.7	26.4	22	28.5	18.2	94	91	64	76	82	91	.3
24	60.10	60.07	60.64	58.39	59.20	60.16	20.2	21.2	26.6	28	24.6	24.1	29.7	19.5	93	93	76	71	92	94	3.4
25	58.82	60.01	60.95	59.31	59.68	60.61	23.5	22.6	29	31.2	27.1	25.1	31.9	22.2	91	92	59	49	67	67	.3
26	58.87	59.70	60.94	58.82	59.35	61.15	23.9	25.6	27.6	29.3	27.5	25.3	31.1	22	77	71	72	61	64	71	------
27	59.59	59.85	60.55	58.13	58.92	60.29	25.1	21.8	28.1	29.6	27.5	23	31.5	21.8	76	93	61	59	61	79	------
28	59.05	59.38	60.32	57.88	58.10	59.26	21.7	22.1	29.2	31.9	27.6	26.7	31.9	18.7	81	77	54	50	62	67	.3
29	58.45	59.28	60.18	58.04	58.66	59.36	22.9	23.1	28.9	29.1	26.6	25.1	31.2	21	90	82	62	66	66	75	1.5
Mean	60.44	60.85	61.73	59.59	60.20	61.41	22.9	22.1	27.8	29.2	26.7	24.3	30.6	21	86.3	88.6	67	63.7	72	81.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	90.6

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
												Form and direction.			Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Upper.	Lower.	Amount.	Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NW	N	W	S	SE	SE	22.8	35.1	62.3	13.1	133.3	3	Ci.		8	A.-Cu.	Cu.-N. E
2	SE	NE	S	S	NNW	N	19.5	28.8	58.2	30.8	137.3	2	Ci.	S.-Cu.	4	Ci.	Cu.
3	Calm	N	W	SE	Calm	N	9.7	28.5	45.9	18.2	102.3	9	A.-Cu.	Cu.-N. E	8	A.-Cu.	Cu.-N.
4	NW	NW	N	SW	SE	NE	10.3	41	33.2	16.3	100.8	10	A.-Cu.	Cu.-N. E	10	Ci.-S.	cu.-N. NE
5	N	N	NE	NE	NE	ENE	23	35.1	62.5	50.7	171.3	9	Ci.-S.	Cu.-N. E	9	Ci.-S.	Cu.-N. E
6	WNW	ENE	ENE	ENE	ENE	ENE	50.7	59.3	92.2	55.2	257.4	6	Ci. SSW	S.-Cu.	4	Ci.	Cu.
7	NE	N	E	ENE	NE	E	40	56	103.5	43	242.5	2	Ci.	S.-Cu. NE	4	A.-Cu.	Cu. NE
8	N	N	SSE	ENE	NE	NE	24.7	48.3	69.5	25.1	167.6	2	Ci.	Cu.	5	A.-Cu.	Cu. E
9	NE	Calm	WNW	SW	E	NE	15.1	39.7	52	23.8	130.6	9	A.-Cu.	Cu.-N E	8	A.-Cu.	Cu. E
10	Calm	Calm	W	WbyN	NW	N	11.3	34.1	42.1	20.3	107.8	9	A.-Cu.	Cu.-N. E	10	A.-Cu.	Cu.N. E
11	N	E	W	S	ENE	NE	15	32.7	66.6	23.3	137.6	5	Ci.	Cu.-N. E	6	A.-Cu.	Cu. E
12	NE	N	NW	ENE	E	NE	15.1	39.7	78.3	42.3	175.4	3	Ci.	S.-Cu.	3	Ci.	Cu.
13	N	N	EbyS	SSW	S	NW	19.9	47.8	71.1	23.5	162.3	9	Ci.-S.	Cu.-N. NE	5	A.-Cu.	Cu.
14	NW	Calm	NW	ESE	E	N	17.4	32	34	13.2	96.6	10	Ci.-S.	Cu.-N. E	10	Ci.-S.	Cu.-N.
15	N	N	N	SW	N	Calm	13.5	34.6	39.2	16.9	104.2	10	Ci.-S.	Cu.-N. E	6	A.-Cu.	Cu. E
16	N	N	SW	SW	ENE	NE	20.1	26.4	73.8	25.7	146	3	Ci.	S.-Cu. E	3	Ci.	Cu. E
17	NE	Calm	SW	SW	NE	E	18.3	38.8	79.9	33.2	170.2	9	A.-Cu.	Cu.-N.	3	Ci.	Cu. E
18	N	N	SW	S	Calm	Calm	24.7	34.4	52.5	14.5	126.1	1	Ci.		8	A.-Cu.	Cu. E
19	N	N	NW	WbyS	NE	SE	13.9	25.1	40.4	22	101.4	6	Ci.	Cu.-N. NE	9	Ci.-S.	cu.-N. NE
20	ENE	NE	SW	ENE	SW	NE	39.1	53.7	77.4	32.2	202.4	8	Ci.	Cu. E	8	Ci.-S.	Cu.
21	NNW	N	SE	SE	ESE	E	29.8	50.1	98	61.8	239.7	7	Ci.	Cu.-N. E	6	Ci.	Cu. E
22	SE	N	SE	S	ESE	NE	35.9	52.6	96	28.5	213	9	A.-Cu.	cu.-N. ESE	5		Cu. ESE
23	E	N	W	SE	NE	N	31.1	38.6	28.8	22.2	120.7	2	Ci.	Cu.	9	A.-Cu.	Cu.-N.
24	N	N	WSW	SE	S	Calm	25.7	42.4	82.6	15.8	166.5	10	Ci.-S.	cu.-N. ENE	5	Ci.	Cu. E
25	N	N	NE	NE	NE	E	20.6	67	68.4	43.5	199.5	8	Ci.	cu.-N. ENE	5	Ci.	Cu. ENE
26	NE	NE	SW	ESE	EbyN	N	39.6	52.5	47	37	176.1	9	Ci.	S.-Cu. E	8	Ci.	Cu.-N. E
27	NE	Calm	W	E	NE	NE	28.4	39.1	53.9	22	143.4	4	Ci.	S.-Cu. E	3		Cu. E
28	NE	N	NE	ESE	NE	E	23.6	42.4	68.9	29.5	164.4	2	Ci.	Cu.	4	Ci.	Cu. E
29	N	N	EbyN	SW	E	NE	26	41	64.4	26	157.4	5	Ci.	Cu.-N. E	6	A.-Cu.	Cu. E
Mean	------	------	------	------	------	------	23.6	41.3	63.5	28.6	157	6.2	------	------	6.3	------	------
Total	------	------	------	------	------	------	------	------	------	------	4,553.8	------	------	------	------	------	------

ORMOC.

[ϕ=11° 00′ N; λ=124° 36′ E; barometer above sea, 5.6 meters; gravity correction not applied, −1.83 mm.]

MARCH, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.78	59.18	60.59	58.54	59.35	60.60	25.3	21.9	29	30.7	27.5	25.6	31.8	21.3	66	80	55	46	56	68	------
2	59.80	60.30	61.48	59.22	60	61.38	23.3	22.9	29.5	31.4	27.4	26.5	32.5	22.5	80	83	51	52	64	68	------
3	60.19	60.75	62.30	60	60.47	61.39	24.5	23.5	27	27.8	26.8	25.2	30.5	22.2	75	87	75	75	74	74	0.8
4	60.83	61.26	62.39	59.58	59.80	60.81	20.7	22	29.1	31.7	27	25.1	32.2	19.2	89	80	44	57	56	60	------
5	59.95	59.95	61	58.61	59.80	60.90	20.5	20	27.2	30	27.8	26.1	31.4	18.5	83	89	68	59	64	68	------
6	59.76	60.16	61.48	59.81	60	60.88	25.9	23.9	28.1	31.1	27	26.1	32.5	23.3	67	79	68	54	72	75	.3
7	59.68	60.72	61.88	59.54	60.55	61.59	26.7	23	27	29.7	25.1	25	31.2	22.9	69	95	80	67	92	88	.8
8	60.84	61.53	62.35	60.37	60.84	62.55	23.6	21.7	29.2	31.1	26.7	21	31.6	20	90	88	60	47	60	86	------
9	61.97	62.71	63.39	60.31	60.68	62.29	19	18.5	28.3	32.2	28.2	23.6	32.4	17.7	91	91	56	37	50	76	------
10	61.20	61.47	62.34	60.40	60.45	61.36	20.5	20	28	27.6	26.4	23	29.4	19.5	84	91	66	69	71	87	------
11	59.77	60.07	61.11	58.77	58.77	59.89	21	20.2	27.3	30.1	28.5	23.7	31.2	18.8	87	91	68	68	70	80	------
12	58.37	58.85	59.78	57.53	58.22	59.36	21.1	20.4	28.4	29.8	28.3	26.5	30.6	20.1	90	92	72	69	68	72	.3
13	57.93	58.83	59.91	57.90	58.04	59.49	22.7	21.1	28.5	29.7	29	26.4	31.7	21	87	90	67	73	72	73	------
14	58.80	59.98	61.44	59.53	59.82	60.93	24.2	20	29.9	30.1	26.9	20.7	32	19.6	78	93	53	47	60	84	------
15	60.16	60.57	61.24	59.44	59.81	61.09	19.1	18.6	28.2	31.1	27.5	22.5	31.6	17.6	92	92	58	46	62	82	------
16	60.03	60.53	61.73	59.19	59.34	61.20	19.3	18.2	27.2	29.3	27.5	26.3	30.8	17.6	88	91	63	59	59	67	------
17	60.05	61.03	62.16	59.28	59.73	61.75	22.9	20.2	28.4	29.9	27	23.7	31.6	19.5	84	90	62	44	49	66	------
18	60.93	61.34	62.65	60.32	60.43	62.30	19	19.3	28.8	31.9	28	25.5	31.9	18.5	86	90	44	37	56	65	------
19	61.66	62.13	62.94	60.27	60.53	62.04	20.7	19.2	27.9	30	28	25	31.2	17.5	78	83	51	47	48	58	------
20	60.85	61.51	62.54	60.22	60.73	62.83	24.5	19.5	27.8	32.4	28.5	24.5	32.7	18.8	60	82	60	42	57	71	------
21	61.16	61.75	63.54	61.49	61.34	62.78	22	22	23.8	27	27.6	26	28.8	21.3	84	87	92	75	62	62	3.6
22	61.72	62.57	62.96	60.58	60.96	62.21	25	24.9	30.5	32	27.5	27.2	32.6	22.8	69	69	47	52	64	63	------
23	61.09	61.86	63	60.50	60.82	61.70	26.4	25	24.4	29.1	27.9	24.4	32.1	21.5	66	76	87	64	60	76	1.6
24	61.35	61.59	62.09	60.42	61.46	63.11	20.8	19.8	28.7	30.6	28	24.4	32.6	19.2	88	91	67	62	64	74	------
25	62.76	62.63	63.32	60.96	61.77	63.06	21.5	24.6	30.2	32.1	27.7	23	32.5	20	98	68	49	39	56	79	------
26	62.27	62.70	62.80	60.06	60.84	62.10	23.1	22.6	28.7	32.3	28.5	23.6	32.6	21.2	83	86	56	41	57	78	.3
27	61.16	61.84	62.79	60.17	60.82	61.83	25.3	23.1	27.3	32.6	28.5	25	32.6	22.7	80	86	72	44	55	68	------
28	61.15	61.30	62.27	60.01	60.62	61.83	25.2	24.7	28.9	32.3	28.1	26.4	33.5	23.2	74	64	66	42	61	63	------
29	61.31	61.15	62.39	60.58	60.86	62.09	23.9	20.6	28.1	30.8	28.1	25.8	31.7	20.2	75	85	61	49	60	78	------
30	60.91	61.15	61.98	60.11	60.49	61.93	23.7	25	31.2	33.5	29	27.4	33.8	22.5	84	76	51	36	55	64	------
31	60.58	60.76	61.85	59.91	60.69	61.96	26.5	25.5	29.2	30.8	28.2	26	31.3	24.4	73	71	60	41	55	68	.3
Mean	60.55	61.04	62.05	59.79	60.26	61.59	22.8	21.7	28.3	30.7	27.7	24.9	31.8	20.5	80.6	84.4	62.2	52.9	61.6	72.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	8

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.					6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.		Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	NE	NE	ENE	NE	NE	30.6	61.8	77.9	34.4	204.7	2	Ci.	Cu.	4	Ci.	Cu. E
2	N	NE	NE	ENE	NE	NE	22.8	62.8	65.4	30.6	181.6	3	Ci.	Cu.	4	Ci.	Cu. E
3	N	N	S	S	NE	E	24.6	55.5	48.9	27.6	156.6	8	A.-Cu.	Cu.-N. E	7	A.-Cu.	Cu. E
4	N	NE	NE	ENE	NE	E	26.6	58.7	63.9	46.1	195.3	2	Ci.	Cu.	4	Ci.	Cu.
5	NE	NE	SW	SW	NE	NE	30.3	52	62.5	21.9	166.7	2	Ci.	S.-Cu.	8	A.-Cu.	Cu. E
6	N	N	W	NE	ENE	NE	20.1	43.7	46.1	32.7	142.6	5	A.-Cu.	S.-Cu. E	9	A.-Cu.	Cu.-N. E
7	NE	SE	SW	ESE	SE	NE	25.2	36.2	73.4	16.1	150.9	4	A.-Cu.	Cu.-N. E	4	A.-Cu.	Cu. E
8	NE	NE	SE	ENE	SE	SE	20.7	84.8	86.6	29.8	221.9	2	Ci.	Cu.	3	Ci.	Cu. E
9	NE	N	S	ENE	ENE	NE	21.7	59.3	76.7	40.2	197.9	2	Ci.	Cu.	3	Ci.	Cu. E
10	N	N	SW	N	NW	NE	31.2	50.4	42.8	19.6	144	3	Ci.	S.-Cu.	7	A.-Cu.	Cu. E
11	N	N	SW	SW	SW	N	26.9	50.2	69.5	23.1	169.7	2	Ci.	S.-Cu.	4	Ci.	Cu. E
12	N	N	SW	S	ENE	SE	22.7	38.4	40.7	31.1	132.9	2	A.-Cu.	S.-Cu.	7	A.-Cu.	Cu.-N.
13	NE	NNE	W	S	SW	E	26.6	42.4	61.5	26	156.5	2	Ci.	S.-Cu.	4	Ci.	Cu. ENE
14	NNE	N	SE	NE	SE	SE	21.9	54.5	----	23.6	------	5	Ci.	S.-Cu.	7	Ci.	Cu. ENE
15	N	N	W	ENE	E	E	26.8	36.7	62.5	18.5	144.5	6	Ci.	Cu.	7	Ci.-S.	Cu. ENE
16	E	N	W	S	E	N	27.6	48.8	69.2	19.5	165.1	5	Ci.-S.	Cu.	6	Ci.-S.	Cu. ENE
17	E	N	S	NE	NE	NE	17.9	51.3	66.5	35.2	170.9	5	Ci.	Cu.-N.	6	Ci.	Cu. E
18	N	N	NE	ENE	NE	ENE	25.1	58.5	86.4	56.9	226.9	3	A.-Cu.	S.-Cu.	4	Ci.	Cu. E
19	N	NNE	SW	SW	E	E	33.5	62.6	77	37.5	210.6	4	Ci.	Cu.	4	Ci.	Cu. NE
20	NE	N	W	NE	NE	NE	25.1	44	71.6	18.7	159.4	3	Ci.	Cu.	5	Ci.	Cu. ENE
21	N	N	ESE	E	NE	NE	24.1	34.6	50.1	34.4	143.2	3	Ci.	S.-Cu.	9	A.-Cu.	cu.-N. ESE
22	NE	Calm	ENE	ENE	SE	NE	16.4	53.7	66.2	35.1	171.4	4	Ci.	Cu. E	7	Ci.	Cu. E
23	N	NW	SW	SW	NE	E	27.9	32.8	59.2	20.7	140.6	7	Ci.-S.	Cu.-N. E	3	A.-Cu.	Cu. E
24	NE	N	SW	SSW	ESE	ESE	24.3	43.7	67.4	32.8	168.2	2	Ci.	Cu.	5	Ci.	Cu. E
25	N	NE	NE	NE	ESE	NE	26	78.6	80.7	22.8	208.1	8	Ci.-S.	Cu.	4	Ci.	Cu. E
26	N	NW	WSW	NE	SE	Calm	19.6	42	77.9	17.1	156.6	6	Ci.-S.	Cu E	4	Ci.	Cu. E
27	NE	NE	SW	ESE	EbyS	SE	22.2	43.8	92.8	18.8	177.6	9	Ci.-S.	Cu.-N. ENE	3	----------	Cu. E
28	SE	SE	S	ENE	SE	ENE	18.2	58.4	67.6	23.6	167.8	3	Ci.	Cu. E	3	----------	Cu. E
29	E	NE	SSE	ESE	E	NE	17.5	51.2	80.2	15.3	164.2	3	Ci.	Cu. E	7	A.-Cu.	Cu.-N. E
30	NE	E	ENE	E	E	ENE	17.4	46.7	85.8	35.7	185.6	1	----------	Cu. E	2	----------	Cu.
31	S	N	SSW	NNE	NE	NE	33.5	56.3	69.5	30.3	189.6	3	----------	Cu. E	8	A.-Cu.	Cu.-N. E
Mean	------	------	------	------	------	------	24.4	51.4	68.2	28.2	172.4	3.8	----------	----------	5.2	----------	----------

ORMOC.

[$\phi = 11°\ 00'$ N; $\lambda = 124°\ 36'$ E; barometer above sea, 5.6 meters; gravity correction not applied, —1.83 mm.]

APRIL, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.50	60.97	61.61	59.67	59.83	61.04	25.5	20.7	30.3	30.6	27.6	26.6	32.2	20.1	72	89	47	46	60	64	------
2	60.22	61.07	61.28	59.32	60.32	61.89	24.8	21.3	31.1	28.5	27.9	26	33.2	21	70	87	46	67	59	69	------
3	61.02	60.88	61.60	59.34	60.04	60.98	23.2	21	28.7	29.5	28.1	25.4	31.1	20.4	85	84	63	64	59	66	------
4	59.91	60.10	61.14	59.34	59.84	60.76	24.9	24.6	27.2	28.1	25.4	24.5	30.3	23.8	75	75	78	65	89	88	5.6
5	59.92	59.69	60.65	58.56	58.87	60.43	24.1	21	28.3	29.6	29	26	30.8	20.8	92	95	72	65	68	83	------
6	59.80	60.13	60.78	58.72	59.08	60.85	21.3	20.1	29.1	29.2	28.9	24.1	31.3	19.8	84	91	65	70	59	82	------
7	60.62	60.79	61.24	59.08	59.44	61.39	22.1	20	28.7	29.6	29	26	30.4	19.6	95	88	63	64	69	85	------
8	60.32	60.63	61.52	59.07	59.41	61.40	23.7	22	28.7	30.7	29.6	26.4	32.5	21.7	88	92	70	65	69	82	------
9	60.57	60.88	61.37	59.43	60.65	61.80	24.1	22.3	29.2	29.8	27	25.2	31.6	22	88	93	68	70	84	94	7.4
10	61.10	61.56	62.13	60.72	61.24	62.66	23.5	22.6	30.1	27.6	27.1	25	30.9	22.3	94	95	69	84	84	96	5.1
11	61.99	61.99	62.69	60.89	61.61	63.34	24.8	24.9	27.2	27.6	25.9	24	28.4	22	96	92	79	79	94	96	4.6
12	63.01	63.14	63.28	61.56	62.24	63.70	21	19.5	27.7	30.3	27.6	22.6	32	19.2	95	95	67	51	59	85	.8
13	63.20	63.42	64.18	62.02	62.16	63.49	23.1	23.1	27.3	26.6	27	25	30.8	21.7	94	95	74	83	71	81	2.8
14	63.02	62.75	63.45	60.86	60.88	62.15	23.3	23	26.3	31	28	26	31.9	21.7	85	89	79	51	61	69	.8
15	61.76	61.45	62.05	59.34	60.29	61.76	22.6	20.5	28.5	31.7	27.6	25.6	31.8	20.1	74	91	64	54	62	71	------
16	61.07	60.90	62.11	60.11	60.42	61.79	24.7	24.5	28.1	30.8	28.5	26	32.2	22	75	71	61	46	54	67	------
17	61.17	61.22	61.77	59.67	60.24	61.50	24	20.3	28.7	31.7	28.5	26.8	33.4	20	75	92	66	47	57	67	------
18	61.26	60.87	61.79	59.29	59.63	61.38	22.5	21	28.6	29.1	28.8	26.6	31.2	20.6	89	91	64	71	62	72	------
19	61.21	60.60	61.40	58.78	59.58	61.33	25.8	24.9	29.7	31	29	26	33	23.8	67	69	63	57	61	76	------
20	60.34	59.68	60.76	58.76	59.73	61.20	25.9	25.7	30.2	32.6	29.3	27	34.2	24.8	73	77	58	46	59	66	------
21	59.65	59.34	59.94	58.15	58.86	60.35	27	26.9	31	33	30.6	28.1	34.5	25.8	66	67	53	48	60	70	------
22	59.48	59.26	59.78	58.09	58.89	60.33	27.7	28	31.9	33	29.4	27	33.9	25.5	71	70	58	47	59	66	------
23	59.61	59.61	59.92	57.79	59.08	60.28	25.7	22.6	32.6	33.5	29.5	27.4	34	22	69	88	42	44	61	64	------
24	59.67	59.52	60.09	58.07	58.73	60.26	22.9	22.6	30.6	31	29.1	26.8	33.3	21.8	83	82	50	62	60	64	------
25	58.80	59.12	59.69	57.74	58.72	60.60	25.9	22.1	29.6	33.9	28.8	26.5	34.2	21.2	69	82	61	39	58	66	------
26	60.12	60.02	60	57.95	58.85	60.13	24	21.2	29.3	31.4	29	27.2	33.8	20.5	78	85	65	55	64	78	.5
27	59.40	59.42	60.61	58.99	59.02	60.45	24.8	24.6	27.4	28	28.1	25.4	30	24	92	93	80	79	77	90	3.8
28	59.62	59.75	60.70	58.41	58.15	60.48	24.9	23.7	29.2	30.8	28.5	26.1	31	23.1	92	94	72	64	70	81	3.1
29	59.18	59.38	59.87	57.62	58	59.78	25.6	23.5	29.5	31	29.2	26.8	33.1	23	81	88	70	64	57	68	------
30	58.78	58.50	58.98	56.76	56.89	58.76	23.5	21.1	29.6	30.6	29.5	26.6	32.7	20.1	74	92	67	66	59	69	------
Mean	60.54	60.55	61.21	59.14	59.69	61.21	24.2	22.6	29.1	30.4	28.4	26	32.1	21.8	81.4	86.4	64.5	60.4	65.5	75.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	34.5

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	N	ENE	NE	NE	NE	34.1	65.2	76.9	44.3	220.5	6	Ci.-S.	Cu.	6	A.-Cu.	Cu. E
2	ENE	N	ENE	S	E	NE	24.7	65.4	88.3	21.4	199.8	4	Ci.-S.	Cu.-N. E	6	A.-Cu.	Cu. E
3	N	NE	SW	S	SE	E	21.4	57.9	101.1	20.6	201	2	Ci.-S.	S.-Cu. E	4	A.-Cu.	Cu. E
4	NE	NE	S	SE	E	N	19.9	54.9	33.5	27.1	135.4	8	Ci.-S.	S.-Cu.	9	A.-Cu.	Cu.-N. E
5	NE	N	SW	S	S	SW	18.2	53.6	60	20.4	152.2	3	Ci.	Cu.	5	Ci.	Cu. NE
6	NE	N	SW	S	S	N	21.2	51.8	81.9	18.5	173.4	6	Ci.-S.	S.-Cu.	6	Ci. SE	Cu. NE
7	N	N	SW	S	SE	Calm	22.5	44.1	91.9	16.4	174.9	3	Ci.	S.-Cu.	3	Ci.	Cu. NE
8	NE	NE	SW	S	W	E	17.2	46.9	62.3	22.5	148.9	4	A.-Cu.	S.-Cu.	8	A.-Cu.	Cu.-N. NE
9	N	N	SW	S	N	N	15.3	48.3	47.8	12.3	123.7	2	Ci.	Cu.	8	A.-Cu.	Cu.-N. E
10	N	N	SW	SE	S	SE	17.1	42.6	30.3	17.7	107.7	1	----------	Cu.	10	Ci.-S	Cu.-N. NE
11	E	Calm	S	SW	W	W	11.3	37.6	35.6	14.8	99.3	6	A.-Cu.	Cu.-N.	9	A.-Cu.	Cu.-N. E
12	E	NE	SW	ESE	EbyN	E	22.2	43.5	62.8	24.7	153.2	1	----------	Cu. E	5	Ci.	Cu. E
13	N	N	W	S	NE	NE	16.1	27.6	68.2	17.7	129.6	9	Ci.-S.	Cu.-N.	9	A.-Cu.	Cu.-N. E
14	NE	NW	S	E	E	E	20.1	35.9	91.1	25.9	173	8	Ci.-S.	Cu.-N. E	5	A.-Cu.	Cu. E
15	N	N	WSW	SSE	SE	Calm	21.4	53.6	77.7	14.5	167.2	4	A.-Cu.	Cu.-N. E	5	Ci.	Cu. E
16	Calm	E	SW	E	E	E	15.8	47.3	81.5	39.2	183.8	7	A.-Cu. E	Cu.	5	A.-Cu. SSE	Cu.
17	E	N	SW	SSW	ESE	E	23.1	56.8	79.5	46.4	205.8	2	Ci.-S.	Cu.	1	----------	Cu.
18	NE	N	SW	S	E	NW	22.8	64.6	82.7	30.9	201	1	----------	Cu. SW	4	A.-Cu.	Cu.-N.
19	NE	NE	SW	S	E	NE	32	52.9	89.3	15.9	190.1	1	----------	Cu.	4	----------	Cu. E
20	SE	NW	SW	E	NEbyE	NE	15.9	47.7	73.7	31.6	168.9	1	A.-Cu.	Cu.-N.	3	----------	Cu. E
21	NE	NE	NE	NE	NE	NE	55	62	74.5	44.5	236	4	----------	Cu. E	5	----------	Cu. E
22	NE	SE	sEbyS	NE	NE	NE	22.7	48.3	85.6	13.7	170.3	8	----------	Cu.-N. E	3	----------	Cu. E
23	NE	NE	ENE	NE	NE	NE	14.3	43.8	70.5	22.3	150.9	3	Ci.-S.	Cu.-N. E	2	----------	Cu.
24	NE	N	NE	SW	SE	NE	25.9	64.9	75	25.1	190.9	2	----------	Cu. E	3	A.-Cu.	Cu.
25	NE	N	SW	E	E	NE	22.3	54.5	77.5	37	191.3	4	A.-Cu.	Cu.-N. E	2	----------	Cu. E
26	NE	NE	sbyw	NE	NE	Calm	21.9	45.3	38.4	12.6	118.2	2	Ci.	Cu.-N.	10	A.-Cu.	Cu.-N. E
27	Calm	NW	W	S	SSW	N	8.9	23.5	37.6	14.5	84.5	8	----------	Cu.-N. E	10	A.-Cu.	Cu.-N.
28	N	N	S	N	E	NE	18.5	39.4	50.5	19.6	128	6	A.-Cu. E	Cu.-N.	7	A.-Cu.	Cu.-N. E
29	E	NW	sbyw	SW	E	E	27.7	57.4	78.9	25.7	189.7	5	A.-Cu.	Cu. E	2	Ci.	Cu.
30	E	N	SW	SW	E	NE	25.9	55.3	96.8	46.5	224.5	1	----------	Cu.	3	Ci.-S.	Cu.
Mean	------	------	------	------	------	------	21.8	49.8	70	24.8	166.5	4.1	----------	----------	5.4	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	4,993.7	----	----------	----------	----	----------	----------

ORMOC.

[$\phi = 11°\ 00'$ N; $\lambda = 124°\ 36'$ E; barometer above sea, 5.6 meters; gravity correction not applied, −1.83 mm.]

MAY, 1912.

Day.	Atmospheric pressure, 700 mm.						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.12	58.48	59.25	56.81	57	58.99	25.6	21.4	29.4	31.5	29	27.2	32	20.7	69	90	62	63	64	71	------
2	58.67	58.57	59.39	57.47	58.23	60.24	23.2	22.3	28.6	33.2	29.3	28.5	34.3	21.4	86	88	73	50	62	67	------
3	60.09	60.50	60.84	58.59	59.44	61.37	27.2	26.1	32	33.4	29.5	26.8	34.6	23.5	73	73	49	42	53	67	------
4	60.71	60.52	61.39	58.93	59.21	60.55	22.4	20.7	29.5	30.1	28.5	25.5	31.6	20.2	83	89	64	65	75	80	------
5	59.80	59.91	60.60	58.27	58.59	59.70	22.7	21	29	30	29	26.5	31.5	20.5	84	92	71	65	70	73	------
6	59.49	59.44	60.09	57.66	57.98	59.72	23.1	21	29.1	30	29	24	31.2	20.2	80	91	68	59	74	78	------
7	59.39	59.68	59.99	58.14	58.58	59.50	22.8	21.2	29.5	30	28.6	26.9	30.9	20.9	84	93	68	71	75	71	------
8	59.42	59.66	60.36	58.43	58.27	59.55	23.2	21.5	28.7	29.7	28.6	25	31	21	80	91	71	67	74	80	------
9	59.09	59.15	59.77	57.30	58.13	59.78	22.5	21.3	29.1	31.2	29	26.5	32	21	89	93	71	62	58	69	------
10	59.73	59.80	60.62	58.83	59.58	61.09	22.1	20.5	29	29	28.4	27	30.2	20	83	91	65	66	63	70	0.3
11	60	60.42	60.43	58.28	58.89	60.29	25.4	22.1	30	32.1	29.5	26.5	33.1	21.8	81	91	60	49	56	67	------
12	59.91	60.02	60.03	57.86	58.24	59.71	20.8	21	29.5	30.8	28.5	27	31.6	19.3	87	86	68	65	74	70	------
13	59.21	59.34	59.58	57.56	57.52	59.29	22.1	21.7	29.5	30.5	29.6	28	32	20.5	85	87	68	66	72	70	------
14	59.01	59.15	59.43	58.07	58.36	59.94	24	21.3	29.6	30.3	30	28.3	31.5	20.9	84	93	69	65	60	62	------
15	58.99	59.30	59.68	57.98	58.47	59.78	26.2	22.5	30.1	31	29.5	28.2	32.2	22	73	87	68	65	75	67	------
16	58.91	59.27	59.59	57.81	57.72	59.36	23.8	23	30.2	31.2	29	26.2	32.8	21.6	85	84	68	65	77	79	------
17	58.91	58.82	59.69	57.30	58.62	59.88	23.8	22.2	30.3	31.1	24.5	25.6	32.1	21.8	82	90	70	73	90	88	.8
18	58.71	59.08	59.87	58.05	58.31	59.78	24.2	22.7	30.8	31.6	29.6	25.1	32.2	22.2	90	92	67	70	75	84	------
19	58.81	59.05	58.97	57.32	57.57	58.89	26.6	26	31.1	32	31.1	28.1	33	24.3	74	72	60	63	56	66	------
20	58.22	58.34	58.22	56.49	56.98	58.45	24.7	22.5	30.6	32.1	30.5	28.6	33	21.9	80	89	63	60	62	66	------
21	58.49	58.98	59.11	57.73	58.37	59.38	24.1	22.8	30.5	31.2	29	25.9	31.4	22.4	84	90	65	65	71	77	------
22	59.01	59.14	59.77	57.60	58.28	59.20	23.6	23.4	30	31.2	29.4	28.1	32.1	22.5	85	87	69	65	72	66	------
23	59	59.32	59.43	56.94	57.81	59.34	24.7	22.4	30	31.1	30.3	26	32.6	21.9	79	88	69	62	61	80	------
24	58.78	58.83	58.58	56.72	57.59	59.07	24.6	24.1	31	31.2	29.5	27	32	23.5	89	91	66	68	78	80	------
25	58.32	58.22	58.34	56.25	56.76	57.72	24.7	23.5	29.7	29.5	27.7	24.3	31.3	23.1	86	90	73	76	78	89	------
26	57.36	58.26	58.28	56.45	57.33	58.59	23.5	24	30	30.6	29.1	25.9	31.8	22.5	91	91	71	68	71	88	------
27	58.21	58.16	58.41	56.75	57.62	59.86	25.4	26.6	30.5	30	26	25	31.7	24.2	89	80	68	75	90	93	1
28	58.91	59.07	59.21	57.66	58.16	60.13	24.6	24	30.1	30.9	29.6	27.3	32.4	23.6	94	96	71	73	74	81	------
29	59.60	59.72	60.09	57.52	57.81	59.55	23.8	23	30.5	31.8	30	28.5	32.7	22.5	87	91	70	68	73	70	------
30	59.08	59.34	59.89	57.60	57.66	59.12	23.2	23	31	31	29.8	28.3	32.1	22.4	95	90	64	74	77	65	------
31	58.62	59.19	59.81	56.91	58.63	59.80	24.4	23.2	30.5	31.1	23.6	23.8	32.4	22.4	87	90	66	72	91	92	2.8
Mean	59.05	59.25	59.64	57.59	58.12	59.60	24	22.6	30	31	28.9	26.6	32.1	21.8	83.8	88.6	66.9	65.1	71	75	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	4.9

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	NE	SW	SW	E	NE	28.5	54.1	93.9	38.3	214.8	1	Ci.	Cu.	3	Ci.-S.	Cu.
2	N	N	SW	NNE	E	NE	23.9	50.9	74	42.4	191.2	1	Ci.	Cu.	7	Ci.	Cu. E
3	NE	Calm	NE	EbyN	E	E	22.8	58.7	-----	32.7	-------	2	Ci.	Cu.	4	Ci.	Cu. NNW
4	N	N	SW	S	SE	NE	24.9	50.9	80.3	23	179.1	5	Ci.	S.-Cu.	7	Ci. SSE	Cu.
5	N	N	SW	S	S	SE	21.1	47.3	89.6	26.2	184.2	5	Ci.	Cu.	5	Ci. S	Cu.
6	E	NE	S	S	SE	NE	23.6	45.6	65.4	20.4	155	6	Ci.	S.-Cu.	5	Ci.-S.	Cu.
7	N	N	SW	S	S	E	24.4	56.1	82.3	27.1	189.9	6	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N. N
8	NE	NE	S	SbyE	SE	E	22.7	55.7	87.4	19.1	184.9	2	Ci.	Cu.	5	----------	Cu. N
9	NE	NE	SSW	SW	ENE	NE	24.9	61.5	114.9	30.1	221.4	4	A.-Cu.	S.-Cu.	3	----------	Cu. NE
10	NE	N	S	SW	NE	NE	23.6	51.2	65.7	27.1	167.6	4	A.-Cu.	S.-Cu.	8	A.-Cu.	Cu.-N. E
11	NE	N	SSE	SSE	NE	NE	23.9	85.6	111.6	32.2	253.3	2	A.-Cu.	Cu.	2	----------	Cu. E
12	N	N	SW	S	S	NE	30.6	55.3	93.3	25.1	204.3	1	----------	S.-Cu.	1	----------	Cu.
13	N	N	S	S	S	E	27.9	51.7	75.1	45.4	200.1	1	Ci.	S.-Cu.	2	----------	Cu.
14	NE	NE	S	S	S	ENE	25.7	51	75.6	37.8	190.1	1	----------	S.-Cu.	2	----------	Cu.
15	E	N	SW	S	S	SE	29.2	73	92	36.4	230.6	4	Ci.	S.-Cu.	2	----------	Cu.
16	NE	N	SW	S	SE	W	26.8	66.8	93	18.3	204.9	5	Ci.	Cu.	2	----------	Cu.
17	NW	N	SW	S	N	NE	23.3	48	70.8	21.2	163.3	1	Ci.	Cu.	5	A.-Cu.	Cu.
18	NE	N	SW	S	ENE	NE	25.4	47.7	75.9	25.5	174.5	7	A.-Cu. E	Cu.	7	A.-Cu.	Cu. E
19	NE	NE	S	SbyW	NE	NE	29	76.2	88.7	42.1	236	7	Ci.	Cu. E	3	Ci.	Cu. E
20	NE	N	SW	SW	EbyN	NE	25.1	51.5	69.5	40.2	186.3	4	Ci.	Cu.	3	A.-Cu.	Cu.
21	NE	N	SW	S	S	S	19.5	45.6	53.4	16.4	134.9	4	Ci.	S.-Cu.	8	A.-Cu.	Cu.
22	NW	NW	S	S	S	NE	17.1	57.4	73.2	24.4	172.1	4	Ci.	Cu.	3	----------	Cu.
23	N	N	SW	SbyW	SE	NE	24.7	54.4	-----	17.9	-------	7	Ci.-S.	S.-Cu.	5	Ci.-S.	Cu. N
24	NE	NE	SSW	S	S	SE	21.4	56.9	101.7	42.8	222.8	3	Ci.	Cu.	8	Ci.-S.	Cu. N
25	NE	NW	S	S	NW	NW	20.3	56	55	15.9	147.2	9	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N. SE
26	NW	Calm	S	S	SE	E	17.1	51.7	72.1	19.8	160.7	2	A.-Cu.	Cu.	7	A.-Cu.	Cu.-N.
27	NE	NE	S	S	N	N	15.9	49.4	55.2	18.2	138.7	9	Ci.-S.	Cu.-N.	10	A.-Cu. NE	Cu.-N.
28	N	N	S	S	SE	SE	19.6	45.9	72.2	19.6	157.3	9	Ci.-S.	Cu.-N.	9	A.-Cu. NE	Cu.
29	NE	NE	S	S	S	E	23.5	49.1	71.9	32.2	176.7	1	Ci.	Cu.	2	----------	Cu.
30	N	N	SW	S	S	NE	25.5	54.7	-----	-----	-------	1	Ci.	Cu.	4	Ci.-S.	Cu.-N. E
31	N	N	SW	S	N	N	-----	-----	-----	-----	-------	3	Ci.	Cu.	4	Ci.-S.	Cu.-N. E
Mean	------	------	------	------	------	------	23.7	55	79.8	28.2	186.7	3.9	----------	----------	4.9	----------	----------

ORMOC.

[$\phi = 11°\ 00'$ N; $\lambda = 124°\ 36'$ E; barometer above sea, 5.6 meters; gravity correction not applied, —1.83 mm.]

JUNE, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.60	58.89	59.18	57.17	57.53	59.48	22.9	22.5	30.1	32.1	30.1	26.1	32.4	21.8	94	96	68	65	60	83	------
2	59.22	59.85	59.64	58.10	58.26	59.80	24.3	23.6	30.2	31.9	30.5	27	32.9	22.5	86	90	74	61	56	70	------
3	59.49	59.56	59.78	58.99	58.36	59.06	24.9	24	31	28.3	26.7	25.6	32.7	22.7	83	90	67	80	91	88	13.3
4	58.60	58.83	58.78	56.92	57.28	58.69	24.3	22.6	30	30.5	29.7	28.5?	31.9	22	90	93	71	69	76	58?	------
5	58.69	58.45	58.92	56.62	57.38	59.25	24	22.8	30.1	30.7	29.7	26.8	31.9	21.5	84	89	71	70	72	86	1.8
6	59	59.12	59.17	56.34	57.06	58.95	26.4	25.8	30.1	31.8	27.1	25.5	32.6	24.5	88	89	76	68	83	93	------
7	58.79	58.83	58.99	56.63	57.21	58.73	24.3	24	30.8	30.6	30	26.6	31.8	23.7	92	91	65	68	71	77	------
8	58.42	58.62	59.08	57.37	58.11	59.45	25.5	23.8	31.1	30.3	29.2	27.2	31.8	23	75	91	69	74	75	82	------
9	58.99	58.98	58.81	56.95	57.65	59.46	25.8	25	31	30.3	29.2	25.6	31.7	24.3	84	92	65	67	78	82	.8
10	59.50	59.57	59.82	56.95	57.58	59.32	24.9	23.8	30.1	31	29.6	27.7	32.5	23.2	86	93	74	65	70	76	7.6
11	58.80	59.53	59.83	58.31	58.67	60.10	25.4	25.5	27.8	30.5	26.1	26.5	31.2	24	90	92	79	66	85	78	1.3
12	59.28	59.13	60.08	58.06	58.65	59.44	24.9	23.6	29.7	30.8	28.6	26.4	31.2	23.1	86	95	69	65	80	77	------
13	59.18	59.66	60.14	58.13	58.94	60.55	24.9	24	28.9	29.6	28	25.6	31	23.1	84	89	77	72	82	91	2.3
14	60.07	59.67	59.96	57.61	58.02	59.70	25	24	29.7	31.5	29.2	25.1	32	23.6	92	94	72	63	78	84	------
15	59.20	59.17	59.22	57.13	56.86	58.66	23.1	22.4	30	31.4	30.1	26.5	32.2	21.8	85	89	68	66	69	84	------
16	58.71	57.89	58.21	56.26	56.55	58.11	24	23.5	30.2	30.1	29.9	26.5	31.6	22.5	86	87	71	69	72	84	72.6
17	57.98	57.43	58.10	56.92	57.03	58.34	24.2	23.1	28.5	29.7	29	27.9	29.9	22.4	89	97	73	64	76	85	8.1
18	57.91	58.46	58.81	56.87	57.43	58.60	26	23.1	29.5	30.4	29.3	25	31.5	22.5	84	99	72	66	74	88	53.3
19	58.68	58.62	58.27	56.25	57.02	58.71	24.2	24.1	29.7	30.5	29.9	26.8	31.7	23.3	91	91	75	71	74	86	------
20	58.18	58.27	58.03	56.45	56.87	58.25	26.1	25.6	30	30.2	29.7	26.1	31.3	25.3	88	88	74	71	76	86	------
21	58.18	57.81	58.34	57.03	57.06	58.50	25.1	24.3	29.6	29.9	29.6	26	31	23.9	89	93	73	70	79	82	------
22	58.58	59.02	59.03	56.88	57.23	59.06	24.9	24.6	30.6	31.5	29.9	27.9	32.2	23.5	84	87	69	63	77	67	------
23	58.59	58.63	59.19	57.05	57.16	58.81	24.5	23.1	30.2	31.4	29.9	25.6	32.1	22.6	81	90	68	64	73	87	------
24	58.36	58.24	58.75	56.17	57.13	58.87	23.5	21.6	30.2	32.2	30.2	26	32.7	20.8	80	90	62	51	67	76	------
25	58.19	58.25	58.47	56.71	57.11	59.43	23.1	22.4	30.4	31.6	29.9	27.2	32.3	21.5	85	89	63	57	70	68	------
26	59.02	58.80	58.91	57.22	57.67	59.35	24.2	22	30	30.7	29.8	27.3	32.3	21.5	77	91	67	69	73	73	22.9
27	59.27	59.52	58.95	56.73	57.59	59.07	24.5	24.6	29.3	31.1	28.4	25.6	32	23.3	82	95	70	60	72	87	22.6
28	58.37	58.47	58.65	56.61	56.95	58.60	24.5	22.9	29.5	31.1	28.5	26.4	32	22.3	86	93	72	69	72	85	.5
29	58.21	58.38	59.19	57.08	57.30	59.18	26	24.3	28.7	28.4	28.2	25.2	28.8	23.3	84	91	74	76	72	80	.3
30	58.71	58.45	59.23	57.48	57.43	59.06	23.7	22.3	29.8	30.6	29.4	27.1	31.4	21.5	87	96	65	66	74	71	------
Mean	58.76	58.80	59.05	57.10	57.50	59.09	24.6	23.6	29.9	30.7	29.2	26.4	31.8	22.8	85.7	91.7	70.4	66.8	74.2	80.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	207.4

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.	
												Amount.	Form and direction.		Amount.	Form and direction.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	N	W	S	ESE	E	------	------	------	------	------	1	----------	Cu.	4	A.-Cu.	Cu. E
2	W	SW	SW	S	E	E	------	------	------	------	------	1	Ci.	Cu.	5	Ci.	Cu. E
3	------	N	W	N	N	E	------	------	34.9	27.1	------	1	Ci.	Cu.	9	A.-Cu.	Cu.-N. E
4	NE	N	W	S	S	E	24.9	32.4	62.2	34	153.5	1	Ci.	Cu.	3	Ci.	Cu.
5	N	N	SW	S	SE	N	27.6	44.5	78.6	14.2	164.9	1	Ci.	Cu.	6	Ci.-S.	Cu.
6	NNW	NE	S	S	NW	NW	17.7	39.1	52.6	19.9	129.3	2	Ci.-S.	Cu.	3	A.-Cu.	Cu. E
7	NW	NW	S	S	SE	E	18	44	74	29.6	165.6	5	Ci.-S.	Cu.	8	Ci.-S.	Cu.-N. E
8	NE	N	SSW	SSW	E	NE	20.1	50.1	62.3	21.4	153.9	6	Ci.-S.	Cu.	8	Ci.-S.	Cu.-N. E
9	NW	NW	S	S	Calm	N	14.7	49.9	38.4	31.7	134.7	4	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N. ENE
10	NNE	NE	S	S	EbyS	SE	19.3	44.6	50.7	26	140.6	6	A.-Cu. E	Cu.	8	A.-Cu.	Cu.-N. E
11	N	SW	NW	S	NW	E	24.4	35.6	50.9	20.1	131	10	----------	Cu.-N. E	8	Ci.-S.	Cu.-N.
12	N	N	S	S	W	NE	17.5	52.5	50.1	18.3	138.4	6	Ci.-S.	Cu. SW	7	Ci.-S.	Cu. E
13	N	N	SE	SE	NE	NW	20.7	45.1	32.5	14.8	113.1	9	Ci.-S.	Cu.-N. S	9	Ci.-S.	Cu.-N.
14	S	N	S	S	SE	NE	24.6	59	71.1	19.3	174	4	Ci. NE	Cu.	3	Ci.-S.	Cu.
15	NE	N	SW	S	S	NE	22	43	77.5	27.6	170.1	4	Ci.	Cu.	2	Ci.	Cu.
16	NE	NE	S	SSE	S	NE	21.4	52.6	67.3	22.5	163.8	7	Ci.	Cu.	4	Ci.	Cu.
17	N	W	SE	SE	SbyE	E	39.2	47.2	58.5	25.4	170.3	4	Ci.	S.-Cu.	9	Ci.-S.	Cu.-N.
18	Calm	SE	SSE	SE	SE	NE	15.8	56.5	58.1	16.4	146.8	10	---- ------	Cu.-N.	4	Ci.-S.	Cu.
19	NE	N	SbyE	SbyE	SE	N	17.7	57.1	78.7	19.6	173.1	8	Ci.	Cu.-N.	6	Ci.	Cu.
20	NE	ENE	SSE	SSE	SSE	NNE	21.9	80	76.4	23.3	201.6	9	Ci.-S.	Cu.-N. SSW	8	Ci.	Cu.
21	NW	NW	SSE	SE	S	NE	24.6	57.4	74.2	17.7	173.9	7	Ci. E	Cu.	8	A.-Cu.	Cu.-N.
22	NW	N	S	S	S	NE	19.3	42.3	77.5	32.5	171.6	9	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N.
23	N	N	S	S	SE	NE	22.5	46.5	72.6	23	164.6	8	Ci.	Cu.-N.	6	Ci.	Cu.
24	N	N	W	S	S	NE	24.3	32.4	84.5	33.3	174.5	7	Ci.	Cu.	6	Ci. E	Cu.
25	N	N	SW	S	SE	E	23.3	45.9	62.5	28.2	159.9	5	Ci.	Cu.	8	A.-Cu.	Cu.-N. NE
26	NW	NW	S	SbyE	SE	E	23.6	55.2	77.2	22.2	178.2	4	Ci.	Cu.	4	Ci.-S.	Cu.-N.
27	NE	SW	SE	S	E	NE	28	36.8	54.1	22.2	141.1	10	----------	Cu.-N. SW	4	Ci.-S.	Cu.-N.
28	NE	N	S	S	E	NE	22.3	41.6	68.9	23.6	156.4	3	Ci.-S.	Cu.	4	Ci.-S.	Cu.
29	SSW	NW	SE	SE	Calm	E	17.5	26.8	29.6	17.7	91.6	6	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. SE
30	NE	N	S	S	S	E	20.9	36	80.5	19.1	156.5	7	Ci.-S.	Cu.-N.	6	Ci.	Cu. ESE
Mean	------	------	------	------	------	------	22	46.4	62.7	23.2	155.3	5.5	----------	----------	6.3	----------	----------

ORMOC.

[ϕ=11° 00′ N; λ=124° 36′ E; barometer above sea, 5.6 meters; gravity correction not applied, —1.83 mm.]

JULY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.59	58.39	58.84	56.55	57.22	58.96	24.4	23.2	29.7	30.6	29.5	26.2	31.7	22.5	85	92	74	72	74	88	0.3
2	58.18	58.14	58.59	57.99	57.72	59.12	24.8	24.7	29.6	26.3	26.7	24.7	29.8	23.3	87	88	75	87	90	95	23
3	58.69	58.63	59.18	57.88	59.36	60.11	24.4	23.5	29	29.1	24.4	23.6	29.9	23.1	90	96	70	73	94	98	6.9
4	59.80	60.07	60.03	58.30	58.94	60.23	24.3	24.2	28.7	29.4	27.3	25.1	30	23.6	93	91	73	66	83	95	------
5	60.19	60.06	59.09	57.82	58.13	59.07	23.9	23.3	29.4	30.4	28.4	25.7	31.2	22.4	97	95	66	61	77	90	------
6	58.70	58.44	58.44	57	57.55	58.61	24.9	23.7	29.7	27.2	25.7	24.3	30.2	23	91	91	73	88	91	97	17.8
7	58.20	58.14	58.04	55.93	56.31	57.67	23.1	22.4	29.3	30.1	26.7	26.5	30.8	21.8	96	96	70	64	90	80	3
8	57.21	57.52	57.99	56.35	56.98	58.19	25.1	23.9	28.5	28.1	27.2	24.5	29.6	23.2	88	97	70	76	83	92	1.3
9	57.18	57.52	58.02	56.78	57.43	58.76	23.1	22.5	26.7	28.7	27.5	24.5	29.5	21.6	94	96	86	73	84	92	------
10	57.91	58.11	58.72	57.88	58.23	59.65	23.9	23.7	29.5	28.6	25.6	23.9	30.8	22.6	94	96	69	73	86	97	.3
11	58.80	58.69	58.80	56.92	57.62	59.12	22.7	21.4	29.5	31.7	26.5	24.7	31.7	20.9	89	93	70	62	85	94	------
12	58.59	58.07	58.19	56.28	56.79	58.47	23.3	22.3	30.2	31.9	26.4	26.3	32.3	21.8	95	95	63	61	93	94	8.4
13	57.38	57.44	57.85	56.21	56.33	58.22	24.5	23.5	29.7	27.9	27.5	26.4	31	23	94	96	72	88	93	85	13.7
14	57.30	57.21	58.76	56.76	57.45	59.27	25	24.1	28.4	29.8	27.6	26.3	30.5	23.8	89	96	82	73	80	79	25.1
15	58.90	58.86	58.79	56.64	57.69	59.42	25	24.2	27.5	30.1	26.5	25.1	30.5	23.7	92	97	83	70	89	95	1
16	58.32	58.34	58.70	56.74	57.58	58.51	24.7	24	29.7	29.2	24.1	24	30.7	23.3	97	97	67	75	93	96	22.1
17	57.88	58.08	57.88	56.80	57.03	58.05	23.9	23.9	29.1	27.6	27.3	25.6	29.7	22.8	97	97	69	81	82	93	18.5
18	58.01	57.29	57.22	56.15	56.49	57.53	23.7	23.2	25.9	25.2	23.8	23.7	28.1	22.6	96	98	94	92	97	98	85.1
19	56.58	56.10	56.80	55.48	56.07	57.90	23.2	26.9	28.1	29.1	28.7	24.4	29.4	22.8	98	80	77	70	79	92	8.4
20	56.82	56.81	57.73	56.28	57.63	58.13	25.7	27.3	28	29.2	24.5	25	29.8	23.1	86	75	82	73	89	88	3.1
21	57.07	57.61	57.98	56.53	58.44	59.51	27.1	27.4	29.2	29.9	25.8	22.6	30.2	22	71	70	68	68	92	90	16.5
22	58.10	57.98	58.20	57.04	57.29	58.23	22.7	23.3	28.2	29.5	28.1	26.5	30.1	22	94	94	77	64	77	82	------
23	57.31	57.22	57.93	56.22	56.82	59.35	25.7	25.1	30	30.2	29.2	23	31.1	22.6	86	89	69	71	81	92	19.3
24	58.18	57.74	57.67	57.26	57.22	59.25	23.1	22.7	28.8	30.5	29	24.1	30.8	21.9	95	97	67	66	68	90	------
25	58.58	58.28	59.04	57.01	57.49	59.30	23.7	24.3	29.2	30.4	28.5	24.8	31.9	22.7	90	90	69	67	68	92	------
26	58.12	57.74	58.30	57.04	57.13	58.16	24	24.1	29.7	25.1	25	24.5	30.2	23	93	95	69	98	94	96	24.8
27	56.92	56.04	56.58	54.64	55.20	56.91	24	23.3	28.4	28.8	26.1	24.3	29.7	22.9	95	97	68	71	88	97	60.5
28	55.72	56.17	56.90	55.92	56.86	58.42	23.5	23.7	27.9	29	25.8	25.5	29.3	22.8	96	97	81	71	89	92	9.6
29	57.72	57.65	58.43	57.34	58.14	59.37	26.9	25.9	29	29.4	26	25.1	30.1	24.6	85	88	72	70	88	95	6.4
30	58.81	58.37	58.85	57.17	58.08	59.64	24.7	24.4	28.8	29.7	24.8	23.5	30.7	22.9	93	92	73	72	93	95	5.3
31	58.48	57.34	58.44	57.34	58.37	58.77	23.5	23.2	28.8	29.8	25.7	24.5	30.7	22.8	93	94	72	66	83	81	.5
Mean	58.01	57.87	58.26	56.78	57.41	58.77	24.3	24	28.8	29.1	26.6	24.8	30.4	22.7	91.6	92.4	73.2	73	85.6	91.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	380.9

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	N	S	S	SSE	S	22.7	46.9	96.6	19.8	186	9	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.
2	N	NE	WSW	SE	Calm	SW	16.7	46.2	14.8	13.7	91.4	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
3	SSE	WNW	W	S	N	E	22.2	31.9	54.9	23.6	132.6	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
4	SW	SE	SW	W	E	N	33.5	24.6	48.6	25.4	132.1	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
5	N	N	SW	SSE	N	N	19.9	34.3	53.3	18.7	126.2	8	A.-Cu. E	Cu.	3	Ci.-S.	Cu.
6	NW	NW	SW	SE	NW	NW	22	42.1	31.6	20.6	116.3	6	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N. E
7	NW	NW	W	WbyN	Calm	NE	23.3	26.9	33	22.7	105.9	5	Ci.	Cu.	9	Ci.-S.	Cu.-N.ENE
8	NE	NE	SSW	SE	N	NE	22.8	41.6	36.7	15.6	116.7	9	A.-Cu. E	Cu.-N.	9	Ci.-S.	Cu.-N.ENE
9	N	N	N	SbyE	SE	NE	19.6	21.9	59.5	16.7	117.7	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. S
10	NE	N	SW	SW	N	NW	20.6	41.6	36.8	23.6	122.6	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. E
11	N	N	SW	SW	N	N	19.5	37.8	42	22.7	122	4	Ci.-S.	Cu.	5	Ci.	Cu. ENE
12	N	N	S	S	NW	Calm	18.5	47.2	57.9	16.9	140.5	2	Ci.	Cu.	6	Ci.-S.	Cu. E
13	N	N	SW	N	N	NE	20.7	31.1	38.9	18.3	109	4	Ci.	Cu. E	9	Ci.-S.	Cu.-N.ENE
14	N	N	N	SW	N	SE	22.5	22.2	45.7	18	108.4	9	A.-Cu.ESE	Cu.-N.	9	A.-Cu.ESE	Cu.-N.
15	SW	SW	S	S	NE	N	38	33	45.4	22.2	138.6	10	Ci.-S.	Cu.-N.	8	Ci.-S. ESE	Cu.-N.
16	N	N	N	SSE	NE	Calm	15.8	31.6	57.7	17.7	122.8	8	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. WNW
17	N	N	NNW	SE	SE	NE	18.7	38.4	32.4	21.7	111.2	10	Ci.-S.	Cu.-N. NW	10	Ci.-S.	Cu.-N. WNW
18	N	N	SE	E	NbyE	NE	17.7	34.9	37.8	21.2	111.6	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.SSW
19	E	S	SSE	SSE	S	E	43.3	99.2	109.6	75.8	327.9	10	Ci.-S.	Cu.-N. SSW	10	Ci.-S.	Cu.-N.
20	SW	SSE	SSE	SSE	NE	E	131.7	154.3	117.5	------	------	10	Ci.-S.	Cu.-N.SbyW	10	Ci.-S.	Cu.-N.SW
21	S	S	SSE	SE	SE	NE	92.3?	82.6	76.4	52.5	303.8	6	A.-Cu. SE	Cu.-N.	10	Ci.-S.	Cu.-N.SW
22	NE	NE	ESE	SSE	E	E	15.9	26	42.1	18.8	102.8	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. NW
23	E	Calm	S	SSE	SE	NNE	13.7	52.5	75.1	33	174.3	10	Ci.-S.	S.-Cu.	8	A.-Cu. ENE	Cu.
24	NE	NE	SSE	SbyE	Calm	S	16.3	46.1	38.9	14.8	116.1	7	Ci.	S.-Cu.	9	Ci.-S.	Cu. NW
25	S	NW	WSW	SW	N	N	21.4	38.3	55.8	8.7	124.2	10	Ci.-S. E	S.-Cu.	8	Ci.-S. E	Cu.
26	N	N	NNW	N	NW	Calm	16.7	47	29.2	7.5	100.4	8	Ci.-S.	Cu.	10	------	N.
27	Calm	NW	WNW	S	SE	NE	13.1	28.4	51.5	33	126	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. EbyS
28	NE	NE	SE	SSE	E	SW	18.5	58.2	86.7	30.6	194	10	Ci.-S.	Cu.-N. SSW	10	Ci.-S.	Cu.-N.SW
29	SW	S	S	SE	ESE	NE	56.3	77.2	81.9	14.5	229.9	10	Ci.-S.	Cu.-N. S	8	Ci.-S.	Cu.
30	N	NE	S	SE	EbyS	N	16.1	60.2	87.7	25.4	189.4	10	Ci.-S.	Cu.-N.	5	Ci.	Cu. SW
31	NW	EbyN	SSE	SSE	SSW	ESE	23.9	63.9	84.8	41	213.6	8	A.-Cu.NbyE	Cu.-N.	9	A.-Cu.WNW	Cu.-N.
Mean	------	------	------	------	------	------	28.2	47.4	56.8	23.8	147.1	8.5	------	------	8.8	------	------

ORMOC.

[ϕ=11° 00′ N; λ=124° 36′ E · barometer above sea, 5.6 meters; gravity correction not applied, —1.83 mm.]

AUGUST, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.92	57.33	57.92	56.63	57.34	58.42	25.1	25.5	29.5	29.2	28.2	26.5	30.6	23.6	83	84	64	66	74	77	------
2	57.58	57.30	58.27	57.43	58.32	59.46	28.2	26.7	29.4	30	28	25.6	30.3	24.3	74	85	70	64	76	84	0.5
3	58.91	59.17	59.48	58.31	58.35	60.09	24.5	25	28.2	27.2	26	25.7	28.4	23.6	85	89	78	83	89	90	2.8
4	59.02	58.84	59.94	57.80	57.90	59.37	25.3	24.7	23	28.1	27.2	25	28.4	22.4	90	92	93	76	83	95	96.5
5	58.52	58.09	58.60	57.08	57.35	59.17	23.9	23.5	28.8	29.8	28.8	25.9	29.8	23	96	96	71	67	73	89	6.4
6	58.48	58.92	59.33	57.98	58.40	60.30	23.5	22.8	28	29.1	27.7	24.4	29.8	22.2	93	96	77	70	82	87	------
7	59.28	59.48	59.88	57.98	58.71	60.20	23.9	23.1	29.5	28.6	26.6	23.6	30.5	22.4	90	95	71	77	85	95	34.3
8	58.88	59.05	59.25	57.05	57.70	59.16	23.6	23	26.4	27.9	25.2	25	28.8	22	90	97	82	80	92	96	25.8
9	58.71	57.99	58.63	57.14	57.37	59.27	24.1	23.3	28.2	27.4	26.1	24.3	28.7	22.6	97	97	72	81	85	91	11.2
10	58	58.30	59	57.15	57.73	59.73	23.1	23.7	28	27.8	27.2	25.6	28.5	22.4	98	96	78	79	85	91	.5
11	58.18	57.65	58.42	56.77	57.79	58.94	24	23	29.2	29.9	28	23.6	30.9	22.6	95	97	68	67	79	95	1.8
12	57.29	57.11	58.04	56.14	56.41	58.03	23.9	24.5	29.1	29.5	28.6	28.9	30.9	23	88	87	70	71	74	75	------
13	57.31	56.70	57.63	56.11	56.97	58.44	27.7	27.7	29.4	30	25.5	26.9	30.5	24	77	76	70	68	83	82	1
14	57.50	57.47	57.98	56.72	57.79	58.66	26.2	27.9	28.7	30.3	26	24.3	30.7	23.2	89	82	76	70	83	90	------
15	58.61	58.49	58.87	57.34	57.78	59.38	23.8	23.4	28.9	29.7	25.9	25.5	30.9	22.8	93	97	71	74	91	93	4.1
16	58.98	58.38	58.98	57.33	57.69	58.62	24.6	23.6	29.6	29.4	28.9	25	30.4	23.2	94	97	74	76	81	92	.3
17	57.81	57.98	58.54	56.49	57.08	58.28	24.6	23.9	29.4	28	27.7	25.9	30.5	23.6	92	94	72	79	81	88	34.5
18	57.98	57.87	58.56	56.59	56.75	58.31	25.1	24	27.3	29.1	27.7	25.8	29.7	23.6	92	95	76	64	79	85	4.8
19	57.62	57.59	58.58	56.91	57.26	58.63	24.4	24	27	27.7	27	25.2	29.4	23.5	91	94	85	76	79	92	4.1
20	58.02	57.78	58.01	56.68	57.68	58.73	24.2	24	28.7	28.9	28.2	25.4	30.2	23.4	95	96	75	73	80	93	18.8
21	57.68	58.26	59.53	57.50	57.98	59.32	25.1	24.5	26.7	26.2	27.1	24.7	28.4	23.6	93	96	86	95	83	98	61.2
22	58.49	58.59	59.17	57.14	57.87	59.24	24.2	24.8	28.4	29	26.2	24.2	30.1	23.4	95	91	74	74	90	94	6.9
23	58.28	58.32	58.86	55.91	56.70	58.62	24.9	23.9	26.1	28	26.7	24.8	28.5	23.3	93	97	85	74	84	93	23.1
24	57.92	57.88	59.04	57.19	57.43	58.45	24.5	24.4	28.2	29	27.5	25.9	29.9	23.9	96	97	72	65	81	92	------
25	57.61	57.47	58.05	56.31	57.02	58.14	27.1	27.5	29.8	30.3	29.5	26.4	31.2	25.4	81	80	62	66	65	81	------
26	57	56.77	57.04	54.89	55.23	56.83	27.6	27.8	29.7	29.9	29.5	29	31.4	25.8	72	74	68	73	74	76	------
27	55.80	55.50	55.83	53.99	54.55	56.75	28.4	27.9	28.9	29.9	29.7	29	30.5	25.8	77	80	72	69	67	71	4.3
28	55.48	55.71	56.22	54.58	55	57.22	28.3	28	29.5	30.3	29.7	29	31	27.6	75	77	70	67	68	71	------
29	56.80	56.75	57.30	55.80	57.15	58.51	28.8	28	29.1	30.7	29.1	28	31.7	26.8	74	81	72	69	64	77	------
30	57.19	57.71	57.87	56.10	55.97	57.36	27.5	27.4	29.5	29.9	29.2	27.2	31.3	25.9	81	81	66	70	76	90	------
31	56.19	55.95	56.09	54.21	54.32	55.37	27.7	28.2	29.7	30.1	29.6	29	30.8	25.6	78	74	67	70	75	77	.3
Mean	57.84	57.75	58.35	56.62	57.15	58.61	25.4	25.2	28.4	29.1	27.7	26	30.1	23.8	87.6	89.4	73.8	72.7	79.4	87.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	343.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	E	SbyE	SSE	SE	E	27.2	60.6	64.9	22.7	175.4	10	Ci.-S.	S.-Cu.	9	A.-Cu. NW	Cu.-N.
2	S	SE	S	NbyW	N	NE	51.5	48.5	42	28.2	170.2	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. W
3	Calm	NE	SSE	SSE	NE	EbyS	8.7	56.1	41	34.1	139.9	10	Ci.-S.	Cu.-N. W	10	Ci.-S.	Cu.-N.SbyW
4	ESE	NE	NE	SE	S	SE	24.1	26.4	40.8	13.7	105	10	Ci.-S.	Cu.-N.	8	A.-Cu. E	Cu.-N.
5	NE	N	SSE	S	W	N	19.5	45.6	42.3	30.6	138	8	Ci.-S.	Cu.-N.SWbyw	5	Ci.-S.	Cu.
6	N	N	S	S	Calm	N	15.3	27.9	24.4	15.6	83.2	10	Ci.-S.	cu.-N. WSW	9	Ci.-S.	Cu.-N.
7	N	Calm	S	SSE	NE	E	17.9	33.8	29.5	20.4	101.6	7	A.-Cu.	Cu.-N W	9	Ci.-S.	Cu.-N. W
8	Calm	Calm	SSW	SSE	E	W	14.8	20.1	46.9	23	104.8	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
9	Calm	NE	S	S	N	N	11	34.6	26	33	104.6	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
10	Calm	N	SE	ESE	SE	ENE	14	53.3	40.4	16.6	124.3	9	A.-Cu. SW	Cu.-N.	10	Ci.-S.	Cu.-N. W
11	NE	ENE	S	SbyE	W	N	16.7	41.6	76.9	23.5	158.7	6	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu. W
12	W	SW	SbyW	SbyW	SW	SW	19.1	93	119.9	114	346	8	A.-Cu. W	Cu.-N.	10	Ci.-S.	Cu.-N.SW
13	SSW	SSW	SbyW	SbyE	ESE	SSE	112.1	135	130	32.2	409.3	9	Ci.-S.	Cu.-N. SW	9	Ci.-S.	Cu.-N.SW
14	N	S	S	S	N	N	38.3	125.2	109.6	21.9	295	8	Ci.-S.	cu.-N. SSW	9	Ci.-S.	cu.-N.SSW
15	N	N	SE	SE	SE	N	14.8	42.4	76.7	22	155.9	10	Ci.-S.	Cu.-N.	5	Ci. E	Cu.
16	E	NE	SE	S	S	S	15.6	35.7	32.7	14.5	98.5	7	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
17	E	N	S	SSE	N	NE	23.9	42.4	44	24.9	135.2	7	Ci.	Cu.	8	Ci.-S.	Cu.-N.
18	WSW	NNE	SE	SbyE	SE	ENE	37.5	29.3	34.8	20.6	122.2	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
19	ESE	ENE	SSW	NW	S	Calm	19.8	30.8	21.7	12.3	84.6	7	A.-Cu.	Cu.-N. SW	10	Ci.-S.	Cu.-N.SW
20	NE	NNW	SbyW	SSE	Calm	NE	17.1	53.7	62.6	12.6	146	9	Ci.-S.	N. SSW	7	Ci.-S.	Cu.-N.SW
21	ENE	SE	ESE	SE	Calm	SE	18.5	42	20.7	28.7	109.9	10	Ci.-S.	Cu.-N. SW	10	Ci.-S.	Cu.-N.
22	E	SW	SE	SSE	S	NW	29.3	43.7	55.7	16.7	145.4	8	Ci.-S.	Cu.-N. W	10	Ci.-S.	Cu.-N.
23	SSE	E	SSW	SbyE	SE	NE	59.8	55.7	48.6	17.9	182	10	----------	N.	10	Ci.-S.	Cu.-N.
24	NE	WNW	SbyW	S	Calm	W	13.5	23	49.6	29.5	115.6	10	Ci.-S.	Cu.-N. W	10	Ci.-S.	Cu.-N. W
25	WSW	SSW	SSW	S	SW	SW	46.4	57.6	85.8	25.2	215	10	Ci.-S.	Cu.-N. W	9	Ci.-S.	Cu.-N. W
26	SSE	SSW	SSW	SbyW	SSW	SSW	73.5	142.7	135	139.4	490.6	9	Ci.-S.	Cu.-N. SW	10	Ci.-S.	Cu.-N. WSW
27	SSW	S	SSW	SSW	SSW	SSW	157.2	159.9	182.8	148.4	648.3	10	Ci.-S.	Cu.-N. SSW	10	Ci.-S.	Cu.-N.SW
28	SSW	SSW	S	S	SW	SSW	157.7	145	148.7	81.1	532.5	10	Ci.-S.	Cu.-N. SW	9	Ci.-S.	Cu. SW
29	S	S	SbyW	SSW	SW	SSW	114	133.7	124.5	90.4	462.6	7	Ci.	Cu.-N. SSW	9	Ci.-S. NE	Cu.-N.
30	S	SSW	S	SSE	SW	SW	100.3	85.1	73.2	20.1	278.7	6	A.-Cu.	S.-Cu.	9	Ci.-S.	Cu.-N. W
31	SW	SSW	SSW	SbyW	SW	SSW	31.2	128.1	121.7	103.8	384.8	9	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N. W
Mean	------	------	------	------	------	------	42.6	66.2	69.5	39.9	218.2	8.8	----------	----------	9.1	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	6,763.8	----	----------	----------	----	----------	----------

ORMOC.

[$\phi = 11°\ 00'$ N; $\lambda = 124°\ 36'$ E; barometer above sea, 5.6 meters; gravity correction not applied, −1.83 mm.]

SEPTEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	54.79	55.30	55.84	54.13	54.70	56.19	28	28.5	28.7	30.5	29.5	28.4	31.1	25.8	78	69	73	62	76	78	
2	55.88	56.61	56.66	55.36	55.77	56.88	27.4	25.5	28.2	29.2	29.4	29	30.4	25	81	84	69	74	73	78	
3	56.19	56.95	57.88	56.08	56.49	58.34	28	27.9	28.6	29.6	27	27.3	30.6	24.6	80	79	75	69	81	83	2
4	57.80	58.16	58.42	56.83	56.98	58.80	25.4	27.1	29.4	30.6	28.9	27	31.8	24.1	87	84	77	67	73	77	
5	57.52	57.64	58.65	56.90	57.73	59.20	25	23	29.7	29.9	28.6	26.6	30.7	22.7	86	92	67	60	72	87	.8
6	57.90	57.67	58.48	57.46	57.81	59.26	24.8	24.2	29.3	24.7	24.6	23.4	30	23	91	82	70	89	94	97	65.2
7	57.28	57.34	56.95	53.93	54.51	57.02	23.1	22.4	23.4	25.6	23.6	24.1	26	22	97	99	97	87	98	95	92
8	56.09	57.24	58.45	56.80	57.50	59.25	23.2	24.1	27.9	28.6	27.6	26.3	29.2	22.1	95	87	78	74	78	79	
9	58.40	58.67	59.26	57.44	58.13	59.50	27.3	26.9	28.8	29.7	27.9	25	30.9	23.5	76	77	73	73	78	91	
10	58.57	58.70	58.66	57.26	57.17	58.39	23.2	22.3	28.6	29.8	27.8	24.2	30.8	22	97	97	73	63	76	90	
11	57.40	57.94	58.59	56.13	56.53	58.02	22.9	22.5	28.4	29.4	28.9	25.9	30.2	22	96	96	72	72	72	88	
12	57.39	57.71	58.03	56.11	56.78	57.62	24.3	24.3	29.3	31	29	26.5	32	23.8	96	93	70	64	71	84	
13	56.48	57.16	57.53	55.12	55.83	57.09	25.1	24.5	30.2	30	29.5	28	31.8	24.1	92	93	66	69	64	70	
14	55.50	55.29	55.55	53.19	53.70	54.63	25.4	24.8	28.9	30.3	29.3	28.2	31.3	24.5	84	90	72	66	68	82	
15	53.17	53.36	54.19	52.84	52.97	54.64	27.9	28	28.5	27.1	27.9	27.9	29.6	25.4	79	76	78	85	79	79	2.6
16	54.50	55.66	56.43	54.75	55.63	57.51	27.5	26.4	27.7	28.4	28.4	28	29.2	25.5	81	86	79	76	72	79	
17	56.58	57	57.03	56.39	56.88	57.90	27.9	27.4	28.7	29.2	28.3	28	30.4	26.8	79	78	74	75	78	80	
18	56.81	57.04	56.98	55.24	55.85	56.93	27.8	27.1	29.9	29.3	28.5	25.5	31.1	25.3	80	83	67	74	75	91	1.6
19	55.77	55.50	56.48	54.63	54.86	56.81	25.6	25.4	28.2	27.7	27.6	28	29.6	25	92	88	80	86	82	78	2.3
20	55.70	56.32	57.15	55.45	56.04	58.13	26.5	27.5	28.6	29.2	28.3	27.8	30.6	24.4	82	78	78	75	72	72	
21	57.22	57.87	58.55	56.77	57.58	58.96	27.4	25.4	29.4	30.1	28.9	26.4	30.7	24.3	73	84	71	70	76	89	
22	58.97	59.21	59.83	58.19	58.87	60.48	25.6	24.5	30	29.8	28.9	25.5	30.9	24	91	95	67	70	76	84	
23	59.29	59.69	60.02	58.14	58.96	60.07	24.7	23.4	30.5	32.3	26.5	24.4	37.3	23.4	87	92	71	60	92	92	1.1
24	58.69	58.90	59.08	57.16	57.62	58.88	24.1	23.3	30.4	26	26.5	24.9	30.7	22.8	91	94	70	94	92	96	19.9
25	58.18	57.80	58.46	56.53	56.85	58.22	23.6	22.5	29	28.9	26.3	25.4	30.6	22.3	96	97	76	78	91	94	23.6
26	57.31	57.11	57.66	55.30	55.90	57.55	24.5	24.3	28.3	30.5	27.6	24.8	30.6	23.5	93	95	86	65	84	96	11
27	56.89	56.33	57.88	55.88	56.74	58.68	24.4	26.4	29.8	29.8	28.4	29.1	30.8	23.2	98	88	75	77	84	80	
28	58.01	58.49	59.71	56.77	57.54	59.28	28.8	28.2	29.7	30.7	29.2	25.4	31.1	24.8	77	80	71	66	74	92	
29	58.18	58.27	59.09	57.02	57.47	58.39	25.1	24.9	29.9	30.1	29.2	26.5	31.1	24	91	92	72	72	77	86	
30	57.81	57.99	58.32	56.43	56.99	59.15	28	27.8	29.8	30.4	29.1	25.8	30.9	25.2	79	82	75	69	80	93	
Mean	57.01	57.30	57.86	56.01	56.55	58.06	25.8	25.4	28.9	29.3	28	26.4	30.6	24	86.8	87	74.1	72.7	78.6	85.3	
Total																					222.1

Day.	Wind. Direction.						Total movement in 6 hours.				Total movement in 24 hours.	Clouds. 6 a. m.			Clouds. 2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SSW	SW	SSW	SW	SW	SW	128.2	63.6	86.7	72.9	351.4	10	Ci.-S.	N. SW	10	Ci.-S.	cu.-N.swbyw
2	SW	NE	SSE	SbyE	SW	S	38.1	61.8	100	85.3	285.2	10	Ci.-S.	Cu.-N. WSW	10	A.-Cu.	Cu.-N. WSW
3	S	S	SE	SE	SE	ESE	113.7	101.4	55.5	34.9	305.5	10	Ci.-S.	Cu.-N. SSW	10	Ci.-S.	cu.-N.SSW
4	SE	SE	SE	SE	S	ESE	41.2	97.7	67.9	17.2	224	9	A.-Cu. WSW	Cu.-N.	9	A.-Cu. E	Cu.
5	NE	NE	S	ESE	S	E	16.6	32.7	26.8	15.3	91.4	10	A.-Cu. NNE	S.-Cu.	10	Ci.-S.	N.
6	ENE	NW	NNW	EbyN	NE	ENE	17.7	38.6	25.9	10.5	92.7	9	Ci.-S.	S.-Cu.	10	Ci.-S.	N.
7	NE	NE	N	NNW	SE	ESE	16.9	54.4	76.1	119.3	266.7	10		N.	10	Ci.-S.	N.
8	Calm	ESE	SSE	SE	SE	E	32.4	126.6	79.5	31.4	269.9	9	Ci.-S.	Cu.-N. S	8	A.-Cu.	Cu. SSW
9	S	S	S	SE	E	E	70.2	96.6	67.8	19.1	253.7	2	Ci.	Cu.-N.	7	Ci.-S.	Cu.-N. W
10	NE	NE	S	S	SE	NE	17.4	29.5	39.4	17.7	104	4	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N. W
11	NE	Calm	S	SE	SSW	SW	16.3	44.8	86.7	26.4	174.2	4	Ci.-S. E	Cu.-N.	9	Ci.-S.	Cu.-N. WSW
12	SW	W	S	SSW	W	Calm	20.1	33	74.8	18	145.9	7	Ci.-S. N	S.-Cu.	8	Ci.-S.	Cu.-N. W
13	N	NNW	SW	SW	SW	W	15.9	54.5	65.7	44.8	180.9	9	A.-Cu.	S.-Cu. WSW	10	Ci.-S.	Cu.-N. W
14	W	W	SW	SW	SW	SW	24.6	38.3	112.1	137.9	312.9	10	Ci.-S.	Cu.-N. W	10	Ci.-S.	Cu.-N. WSW
15	SW	SW	SW	SW	SW	SSE	147.8	143.7	166.2	172.5	630.2	10	Ci.-S.	cu.-N. WSW	10	Ci.-S.	N. SSW
16	S	S	SbyW	SSW	SbyW	SSW	178.9	163.1	190.1	130.6	662.7	10	Ci.-S.	N. SSW	10	Ci.-S.	cu.-N. SSW
17	S	SSW	SbyW	S	S	S	128.5	118.9	97.6	69.4	414.4	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N. W
18	SW	SSW	S	SE	Calm	SE	110.4	91.4	41.2	16.4	259.4	6	A.-Cu.	Cu.-N.	9	Ci.-S.	Cu.-N. W
19	S	S	S	SE	S	SSW	13.2	68.4	67.3	81.6	230.5	7	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N. W
20	SSE	SSW	S	SSW	SW	S	83.1	111	120.5	76.9	391.5	8	A.-Cu.	cu.-N. SW	10	Ci.-S.	cu.-N. SW
21	S	S	SSE	SE	SE	Calm	18.3	77.4	57.9	14.7	168.3	7	A.-Cu.	S.-Cu.	9	A.-Cu.	cu.-N. SW
22	SE	Calm	SE	SSE	S	S	15.6	56	57.7	16.6	145.9	10	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.-N.
23	S	S	NNE	WNW	N	N	14	32	35.7	12.3	94	5	Ci. NNE	S.-Cu.	10	Ci.-S.	cu.-N. NW
24	Calm	N	NNW	S	Calm	N	14.8	33.2	25.7	9.7	83.4	7	A.-Cu.NbyE	Cu.	10	Ci.-S.	N.
25	N	Calm	S	SSE	NW	N	17.4	36.5	36.5	21.1	111.5	7	Ci.	Cu.	10	Ci.-S.	Cu.-N.
26	ESE	E	W	W	N	NE	19.8	40.8	48.3	30	138.9	10	Ci.-S.	Cu.-N.	9	Ci.-S.	Cu.-N. W
27	NE	S	S	SSE	SE	S	23.5	124.9	78.6	73	300	8	Ci.-S.	cu.-N. SSW	10	Ci.-S.	cu.-N. SW
28	SSE	SSE	SSE	SE	SE	WSW	127.1	100.1	76.2	20.1	323.5	7	Ci.-S.	Cu.-N. S	5	Ci.-S.	Cu.
29	W	W	SSE	SE	SE	SW	15.6	90.6	98	27.2	231.4	4	A.-Cu.	S.-Cu.	6	A.-Cu. W	Cu.
30	S	SSE	SSE	SE	Calm	SSE	60.6	79.9	58.7	15	214.2	4	Ci.	cu. SSW	4	A.-Cu. NW	Cu.
Mean							51.9	74.7	74	47.9	248.6	7.8			9		
Total											7,458.2						

ORMOC.

[$\phi = 11°\ 00'$ N; $\lambda = 124°\ 36'$ E; barometer above sea, 5.6 meters; gravity correction not applied, —1.83 mm.]

OCTOBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.78	59.26	58.91	57.53	58.23	59.83	25.7	24.8	30.2	30.8	29.3	25.3	31.8	24.4	93	95	76	66	75	88	------
2	59.08	59.80	60.56	58.49	59.28	60.90	24.5	24.4	29.9	30	29	24.4	31.5	23.6	92	94	73	71	81	91	0.3
3	59.99	60.28	60.67	58.80	59.78	60.26	24.1	22.6	30	29.2	28.1	24.9	31	22.4	90	95	74	72	79	92	------
4	59.09	59.42	59.71	57.72	58.20	59.65	22.9	22.4	31.1	30.9	28.2	24.2	32.4	22.1	96	96	62	69	85	89	------
5	58.22	58.79	59.20	57.46	58.74	59.50	23.7	23.8	30	25.9	26.6	25.4	31.1	22.7	90	90	69	88	91	92	2.9
6	58.49	58.89	59.66	57.50	58.73	60.35	24.5	22.9	28.4	29.1	27.4	23.4	30	22.5	93	96	77	74	89	96	12.6
7	59.52	60.05	60.54	58.45	59.54	60.64	23.8	24.1	28	28.5	24.5	24	29.6	23.3	97	95	79	78	90	97	12.7
8	59.60	60.02	60.37	57.85	58.70	60.24	24.1	24.2	29.3	30.3	27.9	24.8	30.3	23.2	96	95	76	68	78	97	8.1
9	58.91	58.92	59.69	57.42	57.85	59.32	24.1	25	28.6	28.1	25.7	26.5	29.5	23.7	98	95	80	85	94	86	23.7
10	58.30	58.61	59.20	56.72	57.32	58.34	28.2	27.8	29.4	30.1	29.3	28.3	30.3	26.2	79	80	74	68	69	75	3.6
11	57.98	58.20	58.90	56.41	56.92	58.86	28	25.4	28.3	29.8	28.4	28.4	31.1	24.9	76	92	72	71	78	81	------
12	57.90	58.21	58.90	56.96	57.66	59.12	26.1	24.9	30.3	30	28.1	26.6	31.1	24.1	91	96	64	67	84	90	20.4
13	57.88	58.34	58.29	55.80	56.52	56.95	23.4	23.4	29	30	26.6	25.6	31.1	22.8	95	96	77	70	87	94	.3
14	55.01	54.88	54.88	52.62	54.02	54.03	25.1	25.5	29.2	27.7	25	25.1	31.1	24.1	97	96	78	85	96	94	122.1
15	51.90	50.69	48.10	44.77	43.81	49.11	24.7	25.4	25.9	25.3	25.9	25.8	26.2	24.2	96	90	87	91	92	93	125
16	50.13	52.20	53.48	53.14	54.57	56.60	25	24.7	26.1	26.1	25.9	27.5	28.5	23.3	98	96	87	86	87	73	7.9
17	56.08	57.57	58.89	57.27	58.55	59.66	27.3	27.9	29.4	29.1	26.5	25	29.9	24	77	77	72	76	90	91	1
18	59.03	59.86	59.89	57.63	58.66	60.59	24.3	22.9	29.9	31.9	27.7	25.9	32.2	22.5	92	97	65	55	85	96	6.9
19	59.62	60.26	59.99	57.79	58.46	59.49	25.1	25	29.5	28.5	27.1	25.7	31.1	23.8	95	95	75	78	91	90	5.7
20	58.69	59	59.21	56.81	58.16	59.06	22	22.9	28.1	27.5	25	23.8	30.4	21.4	93	87	76	84	92	97	24.7
21	58.30	59.18	59.35	57.94	58.87	59.99	22.7	22.1	29.3	26.2	27	24.9	29.7	21.5	99	96	76	82	87	96	1
22	58.40	59.14	59.34	57.37	57.87	59.05	22.9	22.5	29.4	28.2	27	25.3	30.3	22.1	97	92	73	83	90	94	2
23	57.88	58.69	58.97	56.48	57.59	58.62	23.5	22.7	28.7	30.4	27.9	25.4	31.2	22.2	95	94	73	72	84	93	.8
24	57.48	58.40	58.95	56.65	57.42	58.32	23.6	23.3	27.3	26.9	25.9	25	29.1	22.4	94	95	84	88	92	95	16.3
25	57.12	57.68	58.75	56.36	57.47	58.65	24.1	24.7	24.8	28.4	26.9	25.5	28.9	23.5	97	97	99	79	89	95	61.3
26	57.68	57.91	58.45	57.13	57.88	59.30	24.6	24.5	28.9	29.9	28	25	31	23.6	96	97	78	75	81	95	------
27	58.59	59.12	60.09	58.39	58.64	60.13	23.9	22.7	30.4	31.3	28.2	24.9	32.6	22.4	96	97	66	68	82	93	------
28	59.97	59.59	60.15	58.12	59.27	59.99	23.2	21.9	29.6	30.3	26.2	24.9	31.6	21.4	94	96	66	62	90	92	13
29	58.67	58.83	59.93	57.40	58.65	59.61	22.5	21.3	27.6	29.1	26.2	25.4	30.2	20.5	95	95	76	66	90	94	.5
30	59.01	59.38	59.75	58.06	59.01	60.87	23.7	22.2	29	30.7	27.4	23.9	30.7	21.8	97	96	71	65	83	95	------
31	59.91	60.05	60.80	58.30	59.47	60.23	22.6	22	29.5	31.5	29	24.9	32	21.5	96	96	74	66	71	92	10.7
Mean	57.97	58.43	58.82	56.75	57.61	58.94	24.3	23.9	28.9	29.1	27.2	25.3	30.6	23	93.2	93.7	75.1	74.5	85.5	91.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	483.5

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	NE	SSE	S	S	S	13.5	66.6	61.5	18	159.6	8	Ci.-S.	S.-Cu.	4	Ci.	Cu.
2	S	E	S	S	Calm	NW	15.1	36	25.4	16.4	92.9	8	A.-Cu.	Cu. SW	8	Ci.-S. E	S.-Cu.
3	NW	NW	S	Calm	NW	N	19	38.4	25.4	12.9	95.7	3	Ci.	Cu.	9	Ci.-S. E	Cu.
4	N	N	NNW	SSE	SE	EbyN	18.3	34	45.3	17.4	115	4	Ci.	S.-Cu.	10	Ci.-S.	Cu.-N.
5	EbyN	NNE	WNW	ESE	NE	NNE	21.5	39.7	44.6	15.8	121.6	8	Ci.-S.	Cu. NNW	10	Ci.-S.	Cu.-N.
6	NE	NE	SE	SSE	Calm	NE	16.3	23.6	54.2	30.6	124.7	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
7	Calm	E	S	SW	NE	NE	24.6	71.4	49.7	14.7	160.4	10	----------	N. SW	10	Ci.-S.	Cu.-N.SW
8	Calm	NE	SSW	SSE	E	NNE	12.6	66.2	93.5	26.8	199.1	7	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N.SSW
9	N	E	S	SE	NNE	SSE	18.2	90.7	80.7	40.4	230	9	Ci.-S.	S.-Cu. SW	10	Ci.-S.	Cu.-N.SW
10	S	S	S	SSE	SW	S	97.4	121.2	95.5	87.7	401.8	9	Ci.-S.	Cu.-N.SSW	7	A.-Cu.	Cu. SbyW
11	S	E	SSE	SE	E	SW	57.3	86.9	54.9	56.5	255.6	8	Ci.-S.	S.-Cu.	9	A.-Cu.	Cu.-N.SW
12	SW	W	S	S	SE	NE	17.4	27.1	43.3	23	110.8	6	A.-Cu.	Cu.	9	Ci.-S.	Cu.-N. W
13	N	N	NNW	NW	NW	N	43.8	49.7	56.5	12.3	162.3	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.NW
14	N	N	NW	N	N	N	28.8	57.1	56.1	37.5	179.5	9	Ci.-S.	Cu.-N. N	10	Ci.-S.	Ca.-N. N
15	NNW	NNW	NNW	NNE	EbyN	ESE	72.7	136.4	216.7	194.8	620.6	10	Ci.-S.	Cu.-N. N	10	Ci.-S.	Cu.-N. NE
16	SEbyE	SE	SE	SE	SE	SE	172.3	265.9	241.3	257.8	937.3	10	Ci.-S.	N.	10	Ci.-S.	Cu.-N. S
17	SE	SE	SE	SE	SW	Calm	200.5	166.4	97.9	15.9	480.7	9	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N.SSW
18	SW	SW	W	S	NE	E	15	33.3	43.7	16.3	108.3	2	Ci.	S.-Cu.	5	Ci.-S.	Cu.
19	N	Calm	SW	S	Calm	S	14.5	40.5	31.4	13.1	99.5	8	A.-Cu. NE	Cu.-N.	9	A.-Cu.	Cu.-N.NNE
20	N	N	NW	SW	E	NE	18.5	29.8	43.7	15.1	107.1	8	Ci.-S.	Cu.-N. ENE	10	Ci.-S.	Cu.-N.
21	NE	N	SW	N	Calm	N	17.2	40.5	30.4	11.5	99.6	9	Ci.-S. E	S.-Cu.	10	Ci.-S.	Cu.-N.
22	N	N	SW	ENE	Calm	W	18.7	35.4	23.3	11	88.4	5	Ci.	Cu.	10	Ci.-S.	Cu.-N. NE
23	W	W	SSE	S	NW	Calm	14.5	38.3	30.9	13.9	97.6	3	Ci.	Cu.	8	Ci.-S.	Cu.-N.
24	NW	NW	S	ESE	WNW	NW	13.5	31.9	35.1	9.9	90.4	5	A.-Cu.WNW	Cu.	10	Ci.-S.	Cu.-N. NW
25	NW	NNE	N	NbyE	SW	E	11.8	23.1	22.3	20.3	77.5	10	----------	N.	10	Ci.-S.	Cu.-N. W
26	E	N	SE	SE	SE	NNE	17.4	49.7	85	19.1	171.2	8	Ci.	Cu.-N. SW	7	Ci.-S.	Cu.
27	N	N	SSE	SSE	SE	NE	19.3	39.6	52.9	19.8	131.6	4	Ci.-S.	S.-Cu.	6	Ci.	Cu.
28	NW	NNE	SW	SE	N	N	25.7	42.4	51.8	23.9	143.8	2	Ci.	S.-Cu.	9	A.-Cu.	Cu. NE
29	N	N	NW	S	NE	NE	20.9	21.9	35.7	18	96.5	2	Ci.	S.-Cu.	10	Ci.-S.	Cu.-N.ENE
30	N	N	SSE	SE	SE	N	14.2	37.8	39.1	18.3	109.4	1	Ci.-S.	S.-Cu.	1	----------	Cu.
31	N	N	SW	SSE	E	N	19.9	36	51.5	18	125.4	1	Ci.	Cu.	8	Ci.-S. E	Cu.
Mean	------	------	------	------	------	------	35.2	60.6	61.9	35.7	193.4	6.6	----------	----------	8.7	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	5,993.9	----	----------	----------	----	----------	----------

ORMOC.

[$\phi = 11°\ 00'$ N; $\lambda = 124°\ 36'$ E; barometer above sea, 5.6 meters; gravity correction not applied, −1.83 mm.]

NOVEMBER, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.81	58.83	58.25	55.75	56.92	59.06	24.9	25.1	26.2	26.9	24.5	25.1	28.3	22.9	95	94	94	93	96	88	78.3
2	58.72	59.79	60.23	58.02	58.69	60.47	25.2	25.6	29.1	29	27	24	29.9	23.2	83	86	67	66	81	95	------
3	59.69	59.92	60.07	58.28	59.16	60.39	23	22.4	29.3	25.5	26.1	24.4	31.1	21.9	97	96	72	93	93	93	13.5
4	59	59.11	59.65	57.17	58.74	59.53	22.8	21.9	29.9	31.4	27.1	24	32.3	21.5	94	96	61	62	85	91	.3
5	58.75	58.42	58.85	57.51	57.22	56.19	22.8	23.2	27.4	25.5	25.1	24.7	28.3	22.4	96	94	78	88	96	93	37.1
6	53.95	53.62	56.43	55.33	57.03	58.83	24.6	26.9	29.4	31.1	28.2	26.1	31.1	24.5	95	84	75	60	70	90	6.6
7	58.38	59.27	59.48	58.45	58.62	60.26	24.9	24.5	29.2	28.9	26.4	25.1	31.1	23.9	91	93	70	67	75	86	.3
8	59.60	59.97	60.64	58.08	58.90	59.96	23.9	25	29.1	29.4	27	25	32.1	23	91	85	70	68	85	88	3
9	58.91	59.12	59.39	57.58	57.75	58.88	24.1	24	28.4	27.8	27	25	30.9	23.2	91	91	75	76	82	88	4.8
10	57.89	58.34	58.90	57.14	58.10	59.38	24	23.4	29	28.9	26.4	23.9	31	23.1	95	97	67	73	88	91	------
11	58.88	59.19	59.50	58.07	59.02	59.65	24.1	24.3	29.5	30.2	26.2	24.9	31.1	23.4	87	91	70	71	93	96	.8
12	59.08	59.34	59.93	57.84	58.02	59.12	24.3	23.4	29	30	27.9	24.3	31.8	23.3	95	97	76	71	77	91	------
13	58.60	58.75	59.04	57.38	58.23	58.62	23	22.6	28.6	28.5	27.5	24.7	30.7	21.8	94	91	71	79	79	85	8.6
14	58.10	58.49	59	57.10	58.18	59.36	22.6	21.2	29.7	30.9	27.9	25	31.7	20.9	93	97	67	64	82	91	------
15	58.92	59.32	59.78	57.48	58.52	59.33	23.9	22.5	29.6	30.7	28.6	24.6	31.1	22	91	96	70	65	78	93	------
16	58.87	59.08	59.53	57.80	58.29	59.46	23.2	22	29.1	31.4	27.7	25.4	32.1	21.4	95	96	71	69	70	80	------
17	58.69	58.64	59.28	56.80	58.17	59.10	23.3	21.5	30	32.4	28.5	27.1	32.7	21.2	86	95	71	55	65	72	------
18	58.48	68.61	59.05	56.92	58.01	58.92	24.6	21.7	30.5	30.2	27.5	24.6	31.7	21	79	93	59	70	82	92	------
19	57.65	58.65	58.82	56.35	57.25	58.11	22.7	21.9	30.5	32.5	27.9	25.6	32.6	21	89	92	62	51	80	89	------
20	57.53	57.80	58.32	56.02	56.80	58.02	24.6	22.7	29.4	31.5	27.4	23.9	32.2	22.3	87	95	70	62	83	92	------
21	57.10	57.41	57.98	56.02	56.91	58.31	21.8	21	29.2	30.9	27	25	31.3	20.3	86	91	67	64	81	92	1.3
22	57.77	57.66	58.30	55.94	58	58.78	24.5	24.9	29.1	28	24.4	24.9	31.6	23.9	96	92	79	82	98	96	44
23	57.48	57.36	57.83	55.24	56.65	57.02	23.9	24.7	30	30.6	26.8	24.3	31	23.1	92	90	67	62	85	92	2
24	55.08	54.74	55.25	52.49	51.09	47.12	24.9	24.8	25.9	25.8	24.9	25.6	25.9	23.6	92	95	94	95	97	96	a105.6
25	37.82	50.41	54.56	54.63	55.87	57.07	25.7	24.5	28.4	29.5	27.4	25	29.5	23.6	98	97	76	77	84	90	------
26	57.40	58.03	58.43	56.43	57	58.54	23	21.5	29.5	30.4	28.2	25.4	32.9	21.3	90	95	64	72	82	88	------
27	57.78	58.07	58.90	56.35	56.32	55.89	24.1	23.3	29	29.7	25.9	24.9	30.5	22.6	97	92	74	63	92	94	36.8
28	54.30	54.57	55.22	54.03	54.62	56.40	24.4	25.1	28.3	28.6	28.1	26.5	30.6	23.9	99	92	77	77	74	83	26.4
29	56.56	57.35	58.28	57.27	57.94	59.75	25.2	24.4	29.4	29.2	28	25	30.5	22.9	88	88	74	66	74	91	------
30	59.44	59.28	60.10	57.96	59.02	60.58	24.4	24.2	28.3	31	28.3	27	31.6	23.6	93	94	71	68	72	72	------
Mean	57.31	57.97	58.63	56.71	57.50	58.40	23.9	23.5	29	29.5	27	25	31	22.6	91.8	92.8	72	71	82.6	89.3	------
Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	b369.4

Day.	Wind.										Clouds.				
	Direction.						Total movement in 6 hours.				Total movement in 24 hours	6 a. m.		2 p. m.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction.	Amount.	Form and direction.
													Upper. Lower.		Upper. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*		*0–10*	
1	Calm	N	NNW	NNW	SE	SE	16.9	20.7	58.5	92.7	188.8	10	Ci.-S. N. N	10	Ci.-S. Cu.-N. NE
2	E	SE	S	S	SE	NE	74.5	60	37.5	22.7	194.7	10	Ci.-S. Cu.-N. SSE	9	Ci.-S. Cu.-N.
3	N	N	SW	NE	N	N	19.6	36.2	34.8	16.9	107.5	2	Ci.-S. Cu.	10	Ci.-S. Cu.-N. E
4	N	N	SW	S	SW	SW	21.9	37.5	42.3	19.6	121.3	9	Ci.-S. S.-Cu.	9	Ci.-S. Cu.-N. NE
5	W	W	NNW	NNW	NW	NNW	15.5	32.2	23.5	55.8	127	8	Ci. Cu.-N. E	10	Ci.-S. N.
6	NW	SE	SE	ESE	ESE	ESE	54.4	76.1	78.3	43.1	251.9	10	Ci.-S. Cu.-N. E	10	Ci.-S. S.-Cu.
7	ENE	ENE	SE	NNE	NE	NE	40.5	50.4	54.5	24.7	170.1	10	Ci.-S. Cu.-N.	10	Ci.-S. Cu.-N. NE
8	NW	NW	S	N	NE	NE	20.1	40.2	44.3	27.2	131.8	8	A.-Cu. N Cu.-N. NE	8	Ci.-S. Cu.-N. NE
9	N	N	W	SSE	NE	N	18.2	39.9	-----	19.6	------	9	A.-Cu. Cu.-N. E	9	Ci.-S. Cu.-N. E
10	E	N	NE	SSE	NW	N	18.5	47.7	38	19.5	123.7	5	A.-Cu. E S.-Cu.	10	Ci.-S. Cu.-N. NE
11	NNE	NNE	NNW	S	NW	NW	23.9	35.4	42.3	16.9	118.5	5	A.-Cu. Cu.-N. ENE	9	Cu. ENE
12	NW	NNW	SW	SE	NE	NE	15.8	29.3	25.9	20.7	91.7	5	Ci.-S. Cu.	9	Ci.-S. Cu.-N.
13	N	NNE	SW	S	Calm	NNE	27.4	39.7	28.8	23.3	119.2	5	A.-Cu. Cu.-N. NE	8	A.-Cu. Cu.-N.
14	N	N	SW	SSE	N	N	19.6	31.9	33.2	16.3	101	3	Ci. S.-Cu.	3	Ci.-S. Cu. E
15	N	N	SW	S	NW	NW	16.1	36.7	44.1	14.8	111.7	3	Ci. S.-Cu.	8	Ci.-S. Cu.
16	NW	NW	SW	S	ENE	N	22.7	36	84.3	25.4	168.4	2	Ci. Cu.	3	Ci. Cu.
17	N	N	SW	S	ENE	ENE	23.6	42.3	71.9	31.2	169	3	Ci.-S. W Cu.	1	Cu.
18	N	N	WSW	S	NW	NW	27.6	39.7	56.9	14.8	139	2	Ci.-S. S.-Cu.	5	S.-Cu.
19	NW	NW	W	WNW	NNW	N	19.3	35.4	58.5	24.7	137.9	1	Ci. S.-Cu.	6	Ci. Cu. NE
20	N	N	SW	WNW	NW	NW	14	24.1	53.7	15.9	107.7	6	Ci.-S. Cu. NNW	9	Ci.-S. Cu.-N.NNW
21	NW	NW	SW	SSW	NW	NW	23.1	39.4	57.3	24.1	143.9	6	Ci. S.-Cu.	7	Ci. Cu.-N.NNW
22	N	N	NNW	NW	N	Calm	37	36.7	41.3	11.8	126.8	5	Ci.-S. E Cu.-N.	10	Ci.-S. Cu.-N. NE
23	NE	WNW	N	NNW	WNW	N	23.9	67.1	74.2	34.3	199.5	7	Ci.-S. Cu.-N. N	8	Ci. EbyS Cu. NNE
24	NNW	NNW	WNW	N	NNW	WNW	28	41.8	55	177	301.8	10	----- N.	10	Ci.-S. Cu.-N.NwbyN
25	SSW	SE	SE	SE	SE	SE	-----	-----	-----	-----	------	10	Ci.-S. Cu.-N. SSE	7	Ci.-S. Cu.-N.
26	SE	SE	NW	S	SE	SE	-----	-----	60.7	18.8	------	2	A.-Cu. E S.-Cu.	2	Ci. ESE Cu.
27	NE	NE	NW	N	NNW	NW	19.6	57.7	79.9	46.1	203.3	4	A.-Cu. E Cu.	10	Ci.-S. S.-Cu. NE
28	NW	SE	NE	SSE	EbyS	E	37.5	44.5	69	65.2	216.2	10	Ci.-S. Cu.-N. ENE	10	Ci.-S. cu.-N.EbyS
29	E	NE	SE	ESE	E	NE	85.3	-----	-----	22.3	------	10	Ci.-S. S.-Cu. S	10	A.-Cu. Cu.-N.
30	N	N	W	W	E	E	23.1	34.3	40.7	33.8	131.9	8	Ci.-S. NE S.-Cu.	8	ci.-Cu.Ebys Cu.
Mean	...	...	...	...	...	...	28.1	41.2	51.5	33.8	154	6.3	...	7.9	...

[a] Rainfall from 6 a. m. of the 24th to 1 a. m. of the 25th. The rain gauge could not be observed after 1 a. m. of the 25th.
[b] The rainfall from 1 to 6 a. m. of the 25th could not be included in this total. See preceding note.

ORMOC.

[$\phi = 11° 00'$ N; $\lambda = 124° 36'$ E; barometer above sea, 5.6 meters; gravity correction not applied, —1.83 mm.]

DECEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.30	61.15	61.63	59.65	60.90	61.72	25.4	24.5	27.5	28.7	26.9	23.9	30.1	22.6	90	95	78	79	87	94	2.3
2	60.80	60.92	61.48	58.58	59.42	60.50	22	20.7	28.3	31	27.3	24.4	31.4	20.3	96	92	71	62	78	90	------
3	59.39	59	59.35	57.15	57.63	58.49	23.9	23.8	29.7	27.1	25.3	23.4	30.2	22.5	86	91	63	79	90	96	------
4	57.82	57.89	58.61	56.44	57.48	58.64	22.8	23	28.2	29.1	26.2	23.4	29.5	21.9	96	93	72	57	80	87	------
5	57.78	58.16	59.45	57.18	58.35	59.28	23	22.2	28.3	29.2	26.7	22.8	29.2	21.8	94	95	75	72	80	87	------
6	59.01	59.20	60.03	57.78	59.09	60.71	20.9	20.2	29	30.5	28.5	25.5	31.1	19.8	93	93	68	63	69	83	------
7	60	60.16	60.44	58.43	59.10	60.62	23.7	23.6	30.2	31.9	27.2	25	32.2	23.2	91	90	62	50	68	70	------
8	59.53	59.80	60.63	58.44	58.73	60.32	22.9	21.6	28.9	30	27.4	23.3	31.2	21.2	86	91	61	47	66	86	------
9	59.97	59.96	60.72	59.20	59.21	60.61	22.6	23.8	25.2	26.6	25.9	25.9	29.9	22.4	87	91	90	83	85	84	2.3
10	59.67	59.76	61.19	58.38	59.63	60.79	24.8	24.4	24.5	29.5	27	26.1	30.1	24	88	91	87	70	80	82	7.4
11	59.71	59.70	60.68	58.66	59.80	61.05	25.5	26.4	30.5	32.1	26.6	26.9	32.1	24.2	80	73	56	50	75	70	------
12	59.99	59.99	61.05	58.96	59.60	60.48	25.8	25.6	30.5	29.9	27.4	26.3	32.2	24.6	72	72	60	64	75	85	3.8
13	59.91	60.31	61	59.80	59.78	61.31	25.3	24.4	29.6	27.4	26.7	26.5	30.9	24	89	91	70	81	82	74	13.2
14	60.66	60.79	61.39	59.39	59.89	60.76	24.6	24.4	27.5	29.7	27.1	25.9	29.7	23.6	89	96	85	67	81	78	5
15	60.06	60.25	61.20	58.91	60.05	61.20	24.6	23.4	30.4	30.5	27.5	26.1	31.7	22.5	85	88	60	63	77	76	------
16	60.18	60.28	60.34	58.44	59.57	60.56	23.4	23.9	29.9	30.7	27.9	26.9	31.4	21.4	81	83	55	60	69	70	------
17	60	60.01	60.54	58.52	59.40	60.06	26.1	23.4	29.1	29.2	27	25.8	30.4	22.9	72	83	65	68	76	77	------
18	58.88	59.61	60.01	57.50	58.02	58.79	23.5	19.5	28.2	28.8	26.3	22.5	29.9	19.3	78	91	55	61	82	85	------
19	58.14	59.10	59.59	57.68	58.77	59.39	20.9	20	28.3	29.1	26.4	23.4	30.4	19.4	91	94	64	66	76	91	------
20	58.80	58.89	59.48	57.20	58.24	59.36	22.5	23	28.9	29.7	28.4	25.7	30.3	21.6	97	94	71	67	76	93	1.3
21	58.90	58.95	59.28	57.44	58.41	59.46	23.1	22.7	29.7	28.3	25.9	24.9	31.9	22.4	94	95	68	71	89	96	3.3
22	58.59	59.18	60.12	58	58.51	60.19	24.2	23.9	29	29.5	27	25.4	30.6	23.3	96	96	74	68	89	92	11.9
23	59.61	60.44	61.06	59.06	59.81	61.35	24.8	24.4	26.4	27.7	26.7	24.6	28.2	23.6	96	96	86	73	82	94	3.5
24	59.77	59.49	60.24	58.66	59.06	60.54	24.4	24.1	29.7	27.6	26.2	24.9	31	23.4	93	90	64	79	90	87	2
25	59.65	59.69	60.85	59.26	60.25	60.96	24.1	23.9	26.9	26.9	28	26.1	29.4	23.4	91	91	80	80	54	71	1.8
26	60.21	60.42	60.64	58.66	59.53	60.74	24	24.7	30.6	31.9	28.2	25.8	32.3	23.4	85	80	50	49	68	80	------
27	60.21	60.18	60.33	59.30	59.63	60.65	25	22.9	27	29.2	27.5	24.3	30.8	22.6	84	92	83	74	71	88	1.1
28	59.60	60.43	61.48	59.48	60.03	61.20	23.6	22.9	28.3	29.2	26.4	23.8	30.6	22.4	91	96	72	69	88	93	2.8
29	60.68	61.16	61.93	59.70	60.52	61.59	22.4	21.9	27.7	29.4	28.5	26.5	31.1	21.4	96	96	75	71	60	70	2.8
30	61.01	60.86	61.78	59.67	60.05	61.04	25.9	24.1	29.4	30.9	27.6	26.3	31.8	23.1	72	86	56	50	68	74	------
31	59.79	59.60	61.15	58.72	59.19	60.30	24.4	25.4	28.5	30.4	27.9	26.3	30.6	23.1	86	84	70	63	72	81	.8
Mean	59.63	59.85	60.59	58.52	59.28	60.41	23.9	23.3	28.6	29.4	27.1	25.1	30.7	22.4	87.9	90	69.2	66.3	76.9	83.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	65.3

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	NE	SE	S	N	N	19.5	30.4	62.8	19.1	131.8	10	Ci.-S. ESE	S.-Cu.	10	Ci.-S.	Cu.-N. NE
2	N	N	W	S	E	NE	23.6	35.1	57.4	20.7	136.8	4	Ci.-S.	Cu.	8	Ci.-S.	Cu.-N.
3	NE	NW	NNW	NW	NW	NW	21.5	55	59.5	16.4	152.4	10	Ci.-S. ESE	Cu.-N.	10	A.-Cu. NNE	Cu.-N. N
4	NW	NNW	WNW	WNW	W	W	16.4	33.3	59.7	19.9	129.3	6	Ci.-S.	Cu.-N.	10	Ci.	Cu.-N.NWbyW
5	W	W	SE	SE	SE	SE	18.7	54.1	75.8	22.5	171.1	8	Ci.-S.	S.-Cu.	3	Ci.	Cu.
6	SE	SE	SSW	S	SE	NE	24.3	33.6	----	----	----	2	Ci.-S.	S.-Cu.	4	Ci.	Cu.
7	N	N	SW	NNW	NNW	NW	17.7	38.9	85.6	38.6	180.8	5	Ci.-S.	S.-Cu.	5	A.-Cu.	Cu. NE
8	NW	NW	SW	NW	N	N	12.3	32.7	67.6	12.1	124.7	3	A.-Cu.	S.-Cu.	7	Ci.	Cu. E
9	N	N	NW	S	NW	NW	29	46.7	53.7	28.8	158.2	10	Ci.-S.	Cu.-N. NE	10	Ci.-S.	Cu.-N. E
10	N	N	N	SW	NE	NW	32.4	33	54.9	54.9	175.2	10	Ci.-S.	Cu.-N. E	10	Ci.-S. SE	Cu.-N.
11	NE	NE	NE	ESE	NE	NE	50.7	75.6	74	41.6	241.9	9	A.-Cu. E	Cu.-N. E	4	A.-Cu.	Cu. E
12	N	SE	NE	SSE	NE	NE	29	57.7	59.8	36.4	182.9	1	----------	Cu. E	8	Ci.	Cu. E
13	NE	NW	S	N	NE	NE	31.9	44.6	28.8	45.4	150.7	8	Ci.-S.	Cu.-N. E	10	Ci.-S.	Cu.-N. E
14	N	N	W	SE	Calm	NE	28.4	30.4	33.5	23.3	115.6	8	Ci.-S.	Cu.-N. NE	10	Ci.-S.	Cu.-N. E
15	N	SE	S	S	E	ENE	22.7	45.4	59.2	33	160.3	4	Ci.-S.	Cu.-N.	6	Ci.	Cu.-N.NE
16	N	NW	ENE	NE	NE	NE	20.3	56.1	57.4	48.9	182.7	8	A.-Cu.	Cu.-N. E	9	Ci.	Cu.-N.NE
17	NE	N	S	S	NE	NE	41.2	45.1	52.1	34.4	172.8	4	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N. E
18	W	W	SW	SE	Calm	W	20.4	31.9	35.7	18.8	106.8	3	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.-N. N
19	WNW	W	NNW	SE	W	W	19.3	33.5	41.3	17.5	111.6	6	Ci.-S.	S.-Cu.	10	Ci.-S.	cu.-N. NNW
20	N	N	SW	SSE	E	N	19	36.7	65	21.2	141.9	7	A.-Cu.	S.-Cu.	6	A.-Cu.	Cu.
21	N	N	NW	SE	S	N	16.4	36	44.3	22.8	119.5	4	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. E
22	N	NE	SW	S	N	NNE	15.5	35.6	42.4	22.7	116.2	8	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. E
23	N	N	NbyW	NbyW	N	N	29.6	65.5	50.4	23.3	168.8	10	Ci.-S.	S.-Cu. NE	10	A.-Cu. E	Cu.-N. NE
24	NW	NW	NNE	SW	N	ENE	20.1	49.3	32.4	28.7	130.5	9	A.-Cu.	Cu.-N. E	10	Ci.-S.	Cu.-N. NE
25	NW	NNE	NE	E	ENE	NE	26.8	36.8	61.4	41.3	166.3	9	Ci.-S.	Cu.-N. ENE	10	Ci.-S.	N. NE
26	NE	NNE	E	ESE	E	SSW	27.6	49.4	64.1	20.6	161.7	2	Ci.-S.	Cu.-N.	3	----------	Cu. E
27	W	NW	SW	SSE	SE	NE	23.1	26.9	99.8	18.5	168.3	7	Ci.-S.	Cu.-N. E	5	A.-Cu.	Cu.-N.
28	N	N	NW	S	NE	NE	15.9	35.6	43.5	16.6	111.6	8	Ci.-S.	S.-Cu.	6	A.-Cu.	Cu.-N.
29	NW	NW	NE	SSE	E	E	21.7	37.3	59.5	40.5	159	4	Ci.-S.	Cu.-N. E	8	A.-Cu.	Cu.-N.NE
30	NE	NE	NE	NE	E	NE	57.3	64.2	48.8	30.8	201.1	4	A.-Cu.	Cu.-N. E	5	Ci.	Cu. E
31	NW	NNE	NE	SE	NE	NE	28.8	42	68.4	15.8	155	9	Ci.-S.	Cu.-N. E	10	A.-Cu.	Cu.-N. E
Mean	------	------	------	------	------	------	25.2	42.9	56.6	27.8	152.8	6.5	----------	----------	7.9	----------	----------

TACLOBAN.

[$\phi = 11° 15'$ N; $\lambda = 125° 00'$ E; barometer above sea, 3.4 meters; gravity correction not applied, −1.82 mm.]

JANUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.18	59.96	60.73	58.27	59.45	60.44	23.6	23.8	28	29.8	25.1	24.5	31.4	22.7	95	93	74	64	91	92	------
2	59.25	60.45	61.16	59.50	60.73	61.67	23.5	23	26.5	29	26	24.2	29.3	22.6	90	91	80	68	70	81	2.3
3	60.67	60.90	61.86	60.30	61.27	62.01	23	22.3	26.5	28	25.4	24.4	29	21.9	90	96	83	76	84	84	2.5
4	60.50	61.42	62.33	60.17	60.73	61.06	23.2	22.5	25.5	29	25.5	24	30.5	21.2	91	96	83	72	81	90	1
5	60.19	60.79	61.24	59.39	60.12	60.23	23.3	23.1	29.9	29.7	26.2	24.3	31.2	22	90	90	63	67	82	93	2.8
6	59.73	60.01	60.45	58.76	60.38	60.37	23.8	23.5	28.5	28	25.5	24.4	30.8	23.2	93	96	74	82	88	96	13.7
7	59.99	60.99	61.59	59.90	60.18	60.61	24	23.6	24.4	26.6	25.3	22.6	29.9	22.2	82	83	82	71	74	91	3.1
8	60.30	61.28	61.26	59.40	60.63	60.67	22.8	22.5	24.9	27.6	24.6	24	28.5	21.9	93	96	89	68	82	86	6.4
9	59.73	60.58	61.37	59.32	59.97	60.89	23	23	24.3	27	25.5	24.1	28.6	22	91	91	91	82	80	85	4.5
10	60.95	61.42	62.07	60.52	61.66	61.95	23	22	28	26	24	23	29.4	21.5	90	97	73	84	96	97	2.3
11	61.33	62.82	63.30	60.85	62.22	62.58	23	22.6	27.4	27.7	24.6	24.2	29.4	22	93	95	76	75	85	86	1.3
12	61.51	62.08	62.93	60.36	61.91	62.51	23.1	22.3	27	26	23.9	24	28.3	21.8	90	96	80	88	97	91	48.4
13	61.77	62.34	63.28	60.72	62.25	63.23	24	23.9	26.8	29.8	25.3	23.8	30.3	22	85	86	74	65	77	86	------
14	62.42	62.74	63.26	60.52	61.21	62.58	22.2	21.8	26.4	30.2	25.3	24.2	30.6	21.4	94	96	76	55	77	85	------
15	61.73	61.91	63.05	60.74	61.92	63.36	24	23.5	26.4	30.2	25.5	24	31.3	22.6	85	87	76	61	76	83	------
16	62.22	62.68	63.80	61.45	62.21	63.44	22.5	22	26.7	30.5	26.1	23.2	31.3	21.7	92	95	74	54	68	88	------
17	62.33	62.84	63.67	61.36	62.43	63.38	22.3	22	26.5	30.4	26	24.2	31	21.4	93	96	77	54	73	85	------
18	62.61	62.85	63.45	61.46	62.15	62.94	24	23	26.7	30.5	26	24.2	30.8	22	85	90	75	54	70	82	------
19	62.62	63	64.07	62	62.71	63.77	22	22	27.4	31.1	26	23.8	32	21.2	98	98	70	53	76	85	------
20	62.71	62.88	63.60	61.37	62.15	63.31	22.9	22.8	28.3	27.7	25.5	24	31	22	90	88	70	72	78	85	1.8
21	62.12	62.73	63.45	61.12	62.13	63.21	22.6	22.3	27	30	25.5	22.4	31.5	21.2	93	93	70	56	70	91	------
22	61.82	62.50	63.67	61.09	61.31	62.32	21.9	21.5	27	28.5	25.6	25	30	20.7	92	94	68	60	71	76	3.6
23	61.44	62.08	63.01	60.95	61.71	63.03	23.1	22.7	27.2	29.9	26.3	25.1	30.3	22.2	90	94	73	56	78	76	------
24	62.62	63.08	64.01	61.88	62.01	63.31	23.2	22	28	29.2	26.4	24	30.7	20.4	87	95	65	64	76	87	------
25	62.38	62.80	63.73	61.65	61.98	63.27	22.5	22	27.3	29.8	26.5	24.4	30.8	21	91	95	71	63	73	87	------
26	61.83	62.65	63.52	62.16	62.95	63.97	23	22.7	28.5	26.4	25	23.8	30.5	22.3	93	94	67	81	86	93	1.8
27	62.94	63.58	64.36	62	63.15	63.77	23.2	23	27.3	28.2	26	24	31	22.5	94	90	66	66	76	89	------
28	62.96	63.63	64.15	61.45	62.18	63.43	23.9	22.5	26.9	28	25.8	24	31	22.2	84	91	75	70	76	89	4.8
29	62.61	62.99	63.73	61.43	62.49	63.35	23.8	23.5	26	24.6	23.5	23.1	29.2	22.2	90	90	80	85	89	88	2
30	62.12	62.32	63.55	61.15	62.10	62.97	22.5	21.9	28	29.6	25.5	24.2	30.8	21.3	89	93	70	59	80	94	------
31	62.18	62.29	63.42	60.64	61.41	62.88	22.5	21.9	25.7	29.1	25.9	24.9	30.6	21.3	92	96	81	62	76	75	------
Mean	61.51	62.08	62.87	60.71	61.60	62.47	23.1	22.6	26.9	28.6	25.5	24	30.4	21.8	90.5	92.9	75	67.3	79.2	87	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	102.3

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	NW	1	WNW	0	E	0	E	1	E	3	WNW	0	9	----------	Cu.-N. ENE	8	Ci. SW	Cu. ENE
2	WNW	0	WNW	0	N	0	ENE	1	E	1	Calm	----	9	----------	Cu.-N. ENE	8	Ci. SW	Cu. ENE
3	NW	1	W	0	NNE	1	E	0	ENE	0	N	0	8	Ci.	Cu.-N. E	8	Ci. SW	Cu. ENE
4	Calm	----	Calm	----	ESE	1	SSE	1	SE	1	NE	1	5	Ci.	S.-Cu.	8	Ci.	Cu.-N. ENE
5	ENE	0	Calm	----	E	1	S	2	ESE	1	ESE	1	2	Ci.-S.	S.-Cu.	6	----------	Cu. NE
6	N	1	Calm	----	SE	1	SE	1	ESE	1	Calm	----	7	----------	Cu.-N. ENE	6	----------	Cu. NE
7	NW	1	N	1	N	1	E	2	E	1	WNW	1	3	----------	S.-Cu.	5	----------	Cu. NE
8	NNW	1	N	1	NW	1	SE	1	E	1	NW	0	10	----------	N. NE	8	Ci.	Cu.-N. NEbyE
9	NbyW	1	NbyW	1	WNW	1	N	0	NNE	0	N	1	10	----------	N. NE	7	Ci.-Cu. W	Cu. ESE
10	NW	1	NW	1	E	0	E	1	NW	0	NNW	1	3	Ci.	S.-Cu.	10	----------	N. NE
11	NW	0	NW	0	N	0	ESE	1	E	1	Calm	----	8	----------	Cu.-N. NE	7	Ci. WSW	Cu. NE
12	Calm	----	Calm	----	E	0	NE	0	Calm	----	ENE	1	8	Ci.-Cu.	S.-Cu. NE	10	----------	N. ESE
13	NW	1	N	1	ENE	2	ENE	2	E	2	Calm	----	7	----------	Cu.-N. E	4	Ci. WSW	Cu. ENE
14	WNW	1	WNW	1	NW	1	E	1	ESE	1	NW	1	6	Ci.-S. WSW	S.-Cu.	3	----------	Cu. NE
15	NW	1	NW	1	NNW	1	E	1	E	2	NW	1	8	Ci.	Cu.-N. NE	3	----------	Cu.
16	WNW	0	WNW	1	N	0	E	2	E	1	WNW	1	2	Ci.-S.	S.-Cu.	3	Ci.-S. W	Cu. NE
17	NW	1	NW	2	WNW	1	ENE	2	E	2	NW	1	3	Ci. W	S.-Cu.	5	Ci. W	Cu. NE
18	NW	1	NW	1	NW	1	E	2	E	1	WNW	1	7	Ci.-S. W	Cu. NE	5	Ci.-S. W	Cu. NE
19	NW	1	NNW	2	NNE	1	E	1	E	1	NW	1	6	Ci.-S. W	S.-Cu.	5	Ci.	Cu. NE
20	NW	1	WNW	1	ESE	1	E	2	NNE	2	NNW	1	6	Ci.	S.-Cu.	7	Ci. W	Cu. ENE
21	NNW	1	WNW	1	NW	1	E	2	ENE	2	WNW	1	5	Ci.-S. W	S.-Cu.	2	----------	Cu. NE
22	NNW	1	NNW	1	NbyW	1	NNW	1	E	2	N	0	2	----------	S.-Cu.	8	----------	Cu. NEbyN
23	NNW	0	N	0	WSW	1	SbyE	1	SSE	0	NW	0	10	----------	N. NE	6	Ci.-Cu. W	Cu. ENE
24	NNW	0	NW	0	ESE	0	SSE	2	NE	0	NNW	0	1	----------	S.-Cu.	2	----------	Cu. ENE
25	WNW	1	NW	1	N	0	S	2	NE	1	NW	1	2	----------	S.-Cu.	2	----------	Cu.
26	NNW	1	NW	1	SE	1	SE	0	SE	0	NW	1	3	----------	S.-Cu.	8	----------	Cu.-N. NE
27	NNW	1	NW	1	N	2	NbyE	1	ENE	1	NW	1	5	Ci.-S.	S.-Cu.	4	----------	Cu. NE
28	WNW	1	WNW	1	WNW	1	ENE	0	ESE	1	NW	1	8	----------	Cu.-N. NE	8	----------	Cu.-N. NE
29	WNW	1	NW	1	NW	1	NNW	2	NW	1	NNW	1	8	----------	Cu.-N. NE	10	----------	N. NE
30	NW	1	WNW	1	E	0	SSE	2	ESE	1	Calm	----	7	----------	Cu.-N. NE	4	----------	Fr.-Cu. ENE
31	WNW	1	W	1	NW	1	SSE	1	Calm	----	Calm	----	2	Ci.	Cu.	1	----------	Cu.
Mean	------	0.7	------	0.7	------	0.8	------	1.2	------	1	------	0.6	5.8	----------	----------	5.8	----------	----------

TACLOBAN.

[$\phi = 11°\ 15'$ N; $\lambda = 125°\ 00'$ E; barometer above sea, 3.4 meters; gravity correction not applied, −1.82 mm.]

FEBRUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 p. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	61.63	62.67	63.21	60.84	61.56	62.67	21.9	21.5	27.5	29.6	25.9	24.4	30.6	21.1	89	95	70	64	80	90	------
2	61.66	62.08	62.93	60.44	61.41	62.92	23.9	23	29.1	30.3	26.2	24.5	31.6	22.7	91	96	68	62	82	87	------
3	61.68	61.98	62.91	60.76	61.61	62.33	24.1	23.7	28.3	26.6	24.5	24.3	30.1	23.1	91	91	70	80	91	88	4.3
4	61.49	62.33	63.46	61.37	62.67	63.21	23.7	23.5	24.7	26.5	25.5	24.3	27.5	22.6	93	92	87	81	84	85	11.7
5	62.71	62.92	63.81	61.85	63.08	64.22	23.3	23.1	24.9	26.4	25.2	24	27.1	22.2	91	97	91	82	79	84	11.1
6	63.08	63.76	64.21	62.58	63.41	64.43	23.7	23.4	28.6	29.8	25.4	23.3	30.6	21.5	85	89	66	52	69	84	------
7	63.35	64.10	64.57	62.19	63.23	64.26	21.7	21.5	28.3	30	25.7	23.5	31	20.8	91	93	66	50	70	83	------
8	63.04	63.37	63.90	61.35	62.32	64.04	21.9	21.2	26.7	30.5	26	25	31.9	20.6	93	94	72	50	67	73	------
9	62.26	62.68	63.23	60.66	61.36	62.26	23.2	23.1	26	28	26.7	25.6	31.2	22.2	90	87	77	77	78	83	4.3
10	61.06	61.71	62.36	60.01	60.67	62.08	24.2	24.1	26.1	25.9	24.7	23.8	28	23	94	95	88	90	91	90	35.6
11	60.54	61.18	62.10	60.76	60.53	62.33	23.5	23.1	28.5	28.1	26.9	24.9	30	22.5	96	96	70	75	75	84	------
12	60.88	61.27	61.47	59.36	60.02	61.06	23.9	23.1	29.7	31	26.6	25	31.8	22.5	89	90	63	50	69	83	3
13	59.76	60.41	60.70	58.26	58.92	59.99	23.2	23.5	28.6	29.9	26.8	25.1	32.1	22.6	95	92	62	56	72	79	------
14	58.53	59.05	59.78	57.86	58.75	59.53	24.3	23.9	27.1	27.1	25	25	29.6	23	86	92	80	87	93	96	33
15	58.40	59.25	60.16	58.59	59.25	60.88	24.6	24.6	26.6	27.8	27	25	29	23.7	95	95	87	87	85	92	7.9
16	59.93	60.02	61.05	58.79	59.60	60.91	24.2	23.7	29.1	29.9	24.9	25	30.5	23	95	97	74	71	91	95	10.2
17	59.83	60.09	61.45	59.09	59.26	60.61	24.2	24	28.8	29.5	27	24.2	31	22.8	95	96	72	68	78	91	------
18	59.50	60.18	61.18	59.47	60.16	61.21	23.5	22.8	28.1	27.1	26.5	24.9	31.2	22.4	95	96	74	83	87	93	4.8
19	60.38	60.93	62.09	59.91	60.96	62.13	24.5	24	25.8	28.5	25.1	25.1	29.8	23.5	93	92	90	75	88	80	3
20	60.92	61.47	62.06	60.21	60.85	61.93	24.2	24.1	28.9	29.1	26.2	25	30.1	23	90	86	59	58	73	81	------
21	61.18	61.73	62.41	60.29	60.88	61.86	24.5	23.9	29.8	30.1	26.7	25.1	31.6	23	87	93	66	61	71	80	------
22	60.98	61.27	62.06	60.14	60.85	61.73	24.9	23.5	27.5	29.2	26.2	25.2	29.8	23.1	83	85	70	70	79	78	------
23	60.98	61.44	62.06	60.10	59.93	61.66	22.8	22.8	25.7	25.1	25.8	25	26.9	22.1	89	94	81	92	81	88	2.3
24	60.02	60.29	61.26	58.73	59.20	60.56	23.7	23.8	25.6	26.8	26.5	24.6	29.6	23.1	94	93	93	83	80	87	4
25	59.40	60.43	61.30	59.69	60.22	61.06	24.1	24.7	29.5	31.4	26.5	24.4	31.7	23.2	89	81	67	57	66	83	------
26	59.52	60.28	61.37	59.06	59.80	61.31	23.1	22.7	27.6	29.6	27.1	24.9	31	22.1	91	95	75	64	70	87	4.3
27	59.61	60.29	60.91	58.46	59.38	60.46	23.6	23.5	28	29.9	26.8	24.5	31.5	22.4	91	93	77	58	68	84	------
28	58.95	60.19	60.55	58.40	58.61	59.72	21.5	22.7	28.3	30	26.9	25.1	31.5	20.8	92	92	68	65	75	83	1.3
29	58.68	59.53	60.63	58.39	59.05	60.27	23.9	23.7	29	30.4	25	24.3	32.1	23	91	94	74	59	86	90	1.3
Mean	60.69	61.27	62.04	59.92	60.60	61.78	23.6	23.3	27.7	28.8	26	24.7	30.4	22.5	91.2	92.4	74.4	69.2	78.6	85.6	------
Total																					142.1

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.				2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.			Amount.	Form and direction.		
														Upper.	Lower.			Upper.	Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*				*0–10*			
1	Calm	----	WNW	1	N	0	SSE	1	NE	1	N	2	2	Ci.	Cu.		8	----------	Cu. E	
2	WNW	1	WNW	1	ENE	1	S	2	N	1	N	2	1	Ci.-Cu.	S.-Cu.		3	----------	Cu.-N.	
3	W	1	W	1	N	1	NE	2	NNW	2	N	2	7	A.-Cu.	S.-Cu. S		10	----------	Cu.-N. N	
4	N	3	N	2	N	1	NW	1	NNW	1	Calm	----	10	----------	Cu.-N. NE		10	----------	Cu.-N.	
5	Calm	----	NW	1	Calm	----	ENE	1	NE	1	Calm	----	10	----------	Cu.-N. SE		9	----------	Cu.-N. ESE	
6	Calm	----	Calm	----	SSE	1	ENE	3	E	3	Calm	----	6	Ci. W	Cu. E		2	----------	Cu.	
7	WNW	1	WNW	1	Calm	----	ENE	3	ENE	2	Calm	----	2	A.-Cu.	Cu.		1	----------	Cu.	
8	W	2	W	2	NW	1	ENE	3	ENE	2	Calm	----	1	Ci.	Cu.		2	----------	Cu. E	
9	WNW	2	NW	2	NW	2	ESE	2	E	1	E	1	6	----------	S.-Cu. E		9	----------	Cu.-N. E	
10	NE	1	NW	1	NW	1	Calm	----	Calm	----	NE	1	10	----------	Cu.-N. E		9	----------	Cu.-N. E	
11	Calm	----	Calm	----	Calm	----	S	2	ESE	1	Calm	----	7	----------	S.-Cu. E		7	----------	Cu.-N. ESE	
12	ENE	1	WNW	1	E	3	E	3	E	3	Calm	----	7	----------	S.-Cu. E		2	----------	Cu.	
13	W	1	NW	2	ENE	2	E	1	E	1	Calm	----	6	----------	S.-Cu. ENE		5	----------	Cu. ENE	
14	NW	2	WNW	1	NW	2	Calm	----	Calm	----	Calm	----	9	----------	S.-Cu. ENE		10	----------	Cu.-N.	
15	Calm	----	ENE	1	Calm	----	E	1	Calm	----	Calm	----	10	----------	Cu.-N.		9	----------	Cu.-N. ESE	
16	Calm	----	Calm	----	ESE	1	S	3	NE	1	Calm	----	3	----------	S.-Cu.		7	----------	Cu.-N. E	
17	Calm	----	Calm	----	E	1	S	2	S	2	Calm	----	4	Ci.	Cu.-N.		1	----------	Cu.	
18	Calm	----	Calm	----	NE	1	S	2	Calm	----	Calm	----	2	Ci.	Cu.		9	----------	Cu.-N. E	
19	NW	1	WNW	1	NW	1	S	1	E	1	Calm	----	10	----------	Cu.-N. ENE		8	----------	Cu.-N. ENE	
20	W	1	ESE	1	E	2	E	3	ESE	2	Calm	----	7	Ci. N	S.-Cu.		9	Ci.-S.	Cu.	
21	Calm	----	Calm	----	ESE	2	ESE	3	ESE	2	E	1	7	Ci.-S. N	Cu. E		9	Ci.-S.	Cu. E	
22	E	2	Calm	----	S	1	S	4	S	2	S	2	1	----------	S.-Cu.		1	----------	Cu.	
23	Calm	----	NW	2	Calm	----	S	1	S	2	ENE	1	6	Ci.	Cu. ESE		10	----------	Cu.-N.	
24	ENE	1	NNE	1	N	1	SSE	1	E	2	Calm	----	9	----------	S.-Cu. ENE		9	----------	Cu.-N.	
25	Calm	----	NNE	1	ESE	1	ESE	2	E	2	W	1	9	----------	S.-Cu. ENE		4	Ci.	Cu.	
26	W	1	W	1	E	1	E	4	E	3	Calm	----	5	----------	Cu.-N. ENE		8	----------	Cu.-N. ENE	
27	Calm	----	Calm	----	SSE	3	E	3	S	3	Calm	----	1	----------	Cu.		7	----------	Cu. SE	
28	Calm	----	NE	1	NNE	1	SSE	1	E	2	ESE	1	5	Ci.	Cu. E		6	Ci.	Cu.-N. ESE	
29	NE	1	NNE	1	ESE	1	E	3	Calm	----	Calm	----	1	----------	Cu.		5	----------	Cu. E	
Mean	------	0.8	------	0.9	------	1.1	------	2	------	1.5	------	0.5	5.7	----------	----------		6.5	----------	----------	

TACLOBAN.

[$\phi = 11° 15'$ N; $\lambda = 125° 00'$ E; barometer above sea, 3.4 meters; gravity correction not applied, —1.82 mm.]

MARCH, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.24	59.46	60.80	58.84	59.67	61.06	23.6	22.8	28.8	30.9	27	25	32.6	22.3	91	93	67	49	62	80	------
2	60.08	60.72	61.82	59.69	60.36	61.75	24.4	23.6	29.1	31	26.9	24.9	31.7	22.9	84	90	64	53	70	84	1.3
3	60.54	61.23	62.52	60.30	60.95	61.77	24.1	24	29.5	29.6	26.9	24.7	31.2	23.4	90	93	69	70	76	88	.8
4	60.78	61.47	62.42	59.85	60.28	61.43	24.3	23.5	29.1	30.1	26.7	24.9	31.6	21.9	88	88	61	49	64	72	------
5	60.19	60.40	61.16	58.89	60.12	61.46	23.1	22.9	28.5	31.5	27.5	25.5	32	22	84	91	71	57	66	83	------
6	60.12	60.58	61.96	60.08	60.18	61.47	------	------	------	------	------	------	------	23.4	------	------	------	------	------	------	------
7	60.12	60.92	62.04	59.94	60.56	61.97	25.4	24.5	29.9	28.6	27.1	25.9	31.5	23	87	92	73	80	75	82	1
8	61.27	61.81	63.08	61	61.07	62.67	24.9	25	30.5	29.5	26.7	25.4	31.7	24.5	85	85	56	66	64	77	------
9	62.16	62.88	63.79	60.78	60.77	62.38	23	22.1	29	30	27.1	24.5	32.2	21.7	91	96	58	54	61	78	------
10	61.23	61.88	62.92	60.80	60.62	61.84	22.9	22.5	27.1	26.2	24.8	23.9	28.6	22	96	94	65	78	89	88	5.9
11	59.83	60.40	61.41	58.85	59.16	59.88	23	22.6	27.7	29.8	27	25.1	30.2	22.1	96	97	74	66	77	86	------
12	58.34	59	60.10	57.91	58.74	60.11	25.5	24.9	26.6	28.5	26.7	26	30.4	24.4	88	92	89	73	82	84	9.9
13	58.33	59.21	60.22	57.98	58.51	59.68	24.3	23.5	29.5	30.8	27.9	26	31.5	22.2	93	87	61	65	80	85	------
14	59.27	60.17	61.85	59.80	60	61.24	24.7	23.3	29.6	29.5	26.9	24.5	31	23	89	95	61	63	63	78	------
15	60.54	60.75	61.92	59.84	59.97	61.33	21.8	21.9	29.3	30.2	26.9	25.1	30.6	21.3	95	96	60	59	65	74	------
16	60.60	60.83	61.80	59.39	59.77	61.73	23.2	22.8	29.2	30.8	26.8	25.1	31.9	21.2	87	89	60	59	72	83	.8
17	60.32	61.21	62.46	59.79	59.68	61.81	23.8	23	28.8	30.7	26.6	23.9	32.5	22.6	89	96	60	52	58	74	------
18	60.88	61.55	63.13	60.51	60.87	62.33	21.7	21.7	27.6	31.4	26.8	24	32.9	21.3	90	90	60	42	60	75	------
19	62.04	62.15	63.14	60.61	61.02	62.45	20.3	21.2	29.5	30	26.7	24.8	32	20	95	95	59	56	69	81	------
20	61.08	61.87	62.95	60.59	61.10	63.31	22.8	22.6	29.5	32	27.4	25.3	32.5	21.3	89	90	61	50	64	83	------
21	61.62	61.94	63.47	61.51	61.82	63.47	24.5	23.5	25.5	27.2	25.5	24.4	29	23	87	94	88	78	86	90	7.9
22	62.29	63.07	63.32	60.89	61.47	62.62	24	23	30	32.1	27.6	26.1	32.9	22	89	96	62	48	70	80	2.8
23	61.67	62.11	62.83	60.84	61.31	62.47	24.1	24	27.5	29.5	26.7	24.5	31.5	22.7	91	91	81	70	77	86	.8
24	61.31	61.89	62.59	60.78	61.65	63.33	22.8	23.4	30.2	30.8	27.3	25.2	31.6	22	96	97	64	65	68	81	------
25	62.87	63.09	63.68	61.30	62.15	63.22	23.7	23.2	30.4	32.4	27.4	25	33.2	22.6	91	95	56	49	64	83	------
26	62.07	62.87	63.09	60.60	60.86	62.37	23.6	23.4	30.6	33.2	27.5	25.5	33.5	22.9	93	93	59	46	66	80	4.3
27	61.16	61.83	62.80	60.38	60.94	62.20	24.5	23.5	28	30.5	27.7	25.7	31.5	22.8	85	91	75	65	76	84	------
28	61.41	62.19	62.93	60.63	60.99	61.88	24.4	24	30	30.4	27.7	26.1	31.6	22.5	92	95	64	66	64	71	------
29	61.01	61.47	62.81	60.73	60.90	62.66	24.8	22.7	28.5	30.6	26.3	25.5	31.8	22.2	76	91	69	63	82	84	1.8
30	61.26	61.69	62.62	60.68	61.10	62.12	25	24.9	30.4	30	27.6	25.5	33.4	24.2	86	87	63	68	69	84	------
31	60.77	61.01	61.98	60.20	61	61.70	25	24.5	28.4	31	27.4	25.2	32.5	24	88	92	74	56	67	81	6.4
Mean	60.79	61.34	62.37	60.13	60.57	61.93	23.8	23.3	28.9	30.3	27	25.1	31.7	22.5	89.4	92.4	66.1	60.5	70.2	81.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	43.7

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	Calm	----	NW	1	NNE	1	E	3	E	2	NE	1	1	Ci.	Cu.	3	----------	Cu. E
2	NE	2	WNW	1	NNE	1	ESE	1	SE	1	Calm	----	1	----------	Cu.	3	----------	Cu. E
3	Calm	----	Calm	----	E	1	SE	2	ENE	2	Calm	----	9	----------	Cu.-N.	6	----------	Cu.-N. ENE
4	Calm	----	Calm	----	E	1	SE	1	E	2	N	1	1	Ci.	Cu.	2	Ci.-S.	Cu.
5	W	1	W	1	NE	1	SSE	1	E	1	Calm	----	3	----------	Cu.	6	Ci.-Cu.	Cu. E
6	Calm	----	Calm	----	ENE	1	SE	1	NE	1	Calm	----	8	Ci.-Cu. SW	S.-Cu.	9	Ci.-S.	Cu. ENE
7	Calm	----	Calm	----	SE	2	SE	1	E	2	Calm	----	2	----------	Cu.	9	----------	Cu.-N. E
8	NE	1	ENE	1	E	1	SE	3	E	1	Calm	----	1	Ci.	Cu.	4	----------	Cu. E
9	E	1	WNW	1	ENE	1	SSE	2	E	2	Calm	----	2	Ci.	Cu.	1	----------	Cu.
10	Calm	----	WNW	1	E	1	NW	1	Calm	----	Calm	----	2	A.-Cu.	S.-Cu.	9	----------	Cu.-N.
11	WNW	1	WNW	1	WNW	1	SE	1	SSE	1	Calm	----	3	A.-Cu.	S.-Cu.	2	----------	Cu.
12	SE	2	Calm	----	SE	2	S	2	S	1	Calm	----	9	----------	S.-Cu.	7	----------	Cu.-N. E
13	Calm	----	Calm	----	SSE	1	SSE	1	SSE	1	Calm	----	5	Ci.	S.-Cu.	2	----------	Cu.
14	E	1	Calm	----	E	1	SSE	2	ESE	1	Calm	----	7	Ci.-S.	S.-Cu.	6	Ci. SW	Cu. E
15	Calm	----	Calm	----	ESE	1	SE	2	E	1	Calm	----	7	Ci. SW	S.-Cu.	7	Ci.	Cu. E
16	Calm	----	WNW	1	E	1	SSE	1	ESE	1	NW	1	5	Ci. S	S.-Cu.	6	Ci.-S. SW	Cu. ENE
17	NW	1	NW	1	SSE	1	SE	2	SSE	1	Calm	----	8	----------	Cu.-N. E	7	Ci.-S.	Cu. E
18	WNW	1	W	1	E	1	SSE	1	E	1	NE	1	5	Ci.-S.	S.-Cu.	4	----------	Cu. ENE
19	WNW	1	WNW	1	EbyN	1	SSE	2	ENE	1	Calm	----	5	Ci.-S. SW	S.-Cu.	6	----------	Cu. ENE
20	Calm	----	WNW	0	S	1	ESE	1	E	2	Calm	----	6	Ci. SW	S.-Cu.	5	----------	Cu. ENE
21	Calm	----	NW	1	Calm	----	SSW	0	Calm	----	Calm	----	8	Ci.-S.	Cu.-N. ENE	8	Ci.	Cu.-N. E
22	Calm	----	Calm	----	ESE	1	E	1	NE	1	N	1	7	Ci.-S.	Cu.-N. E	7	Ci. SW	Cu. E
23	Calm	----	NW	1	SSE	0	SSE	2	E	1	Calm	----	9	----------	Cu.-N. E	8	----------	Cu. E
24	Calm	----	WNW	0	ESE	1	SSE	2	SSE	2	Calm	----	5	Ci.-S.	S.-Cu.	4	Ci. SSW	Cu.
25	NW	0	NW	0	E	1	E	2	E	2	NW	0	7	Ci. SSW	Cu.	7	Ci. SSW	Cu. E
26	Calm	----	Calm	----	SE	1	SE	1	E	2	Calm	----	3	Ci.	Cu.	4	Ci.	Cu. ENE
27	Calm	----	Calm	----	WNW	1	SSE	2	SSE	2	Calm	----	7	----------	Cu. E	2	----------	Cu. E
28	Calm	----	Calm	----	S	1	S	3	E	2	Calm	----	7	Ci.-S.	Cu. E	5	----------	Cu. E
29	Calm	----	Calm	----	E	0	SSE	1	E	1	Calm	----	7	----------	Cu. E	5	----------	Cu. E
30	Calm	----	NW	0	E	1	SE	1	E	2	E	0	7	----------	Cu. E	6	----------	Cu. E
31	Calm	----	W	0	ENE	1	E	1	ENE	1	E	0	3	----------	S.-Cu.	7	----------	Cu. E
Mean	------	0.4	------	0.4	------	1	------	1.5	------	1.3	------	0.2	5.2	----------	----------	5.4	----------	----------

TACLOBAN.

[$\phi = 11°\ 15'$ N; $\lambda = 125°\ 00'$ E; barometer above sea, 3.4 meters; gravity correction not applied, —1.82 mm.]

APRIL, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.91	61.02	61.78	59.76	60.28	61.42	24	23.3	30.3	31.5	26.8	25.5	32.8	22.8	89	94	58	51	76	84	
2	60.48	61.47	61.64	59.73	60.21	61.98	25.2	24.4	30.3	31.5	27	26	32.5	23.6	86	92	63	57	78	83	
3	61.17	61.28	61.96	59.78	60.60	61.38	24.3	24.5	28	30.6	28	25	31.5	22.7	93	92	80	62	70	84	1.3
4	60.11	60.27	61.45	59.41	59.99	61.14	24.8	24.8	27.2	26.6	24.4	24.4	29	23.5	88	88	80	84	92	92	13.7
5	59.79	59.89	60.87	58.81	59.05	60.87	24.1	23.6	29.2	30.7	27	26	31.8	23.2	94	98	70	70	78	80	
6	59.97	60.03	60.89	58.38	59.04	61.20	24.2	24	29.4	33.5	28	25.4	34.8	23.4	91	93	68	44	77	93	11.9
7	60.38	60.61	61.45	58.78	60.15	61.77	24.4	24.2	29	31.5	25	25.8	33	23.6	95	94	71	63	95	86	28.4
8	60.21	60.74	61.40	58.68	60.06	61.72	24.5	24	29.2	33.2	27.6	26.4	34	23.6	95	97	75	54	84	92	.5
9	60.38	60.87	61.46	59.74	60.84	62.22	25.4	24.5	29.3	30.7	28.2	26.4	32.5	23.9	91	96	74	70	80	92	
10	61.22	61.97	62.54	60.98	61.53	63.07	25.2	24.6	30	25.3	27.5	26.1	33	24.3	94	95	71	93	78	88	26.7
11	61.71	61.97	63	60.77	61.71	63.66	26	25.4	26.4	29	27.2	25.5	30.2	24.8	86	89	92	74	80	88	4.1
12	63.01	63.24	63.46	61.69	62.36	64.01	24	23.1	30	28.6	27.3	26	31.4	22.4	89	93	63	66	67	76	2.8
13	63.27	63.77	64.16	62.01	62.59	63.87	25	23.8	28.4	30.4	27.3	25.9	31	23.2	88	97	75	72	75	85	2
14	62.73	63.04	63.67	61.29	61.64	62.93	24.3	24.5	28.9	31	27.8	26.3	32.5	23.3	97	96	71	59	71	79	
15	61.58	61.81	62.18	60.08	60.31	61.91	24.8	24.5	30.8	29.5	27.2	25.3	32.3	22.8	87	86	64	75	75	81	
16	61.18	61.31	62.61	60.67	61.02	62.51	25.2	24	29	28.8	27	25.8	30.5	23.3	78	83	71	60	76	84	
17	61.27	61.56	62.20	60.53	60.67	62.18	23.2	24.1	30.2	30.5	27.6	26	31.9	22.8	97	95	65	65	70	81	
18	61.42	61.44	62.17	60.26	61.19	61.98	25.5	24	29.5	28.6	28	26.3	31.8	23.6	84	96	70	81	74	83	
19	61	61.27	61.78	59.65	59.80	61.67	25.8	24.6	30.9	31.4	28.2	27	32.4	24	86	94	66	66	76	83	
20	60.20	60.22	61.28	59.30	60.22	61.62	26	25.3	31.5	32.5	28.2	25.6	33.4	24.6	89	93	63	59	69	87	
21	59.88	60.08	60.25	58.38	59.20	60.82	25.6	25.4	31.4	34	29	26.8	34.5	24	87	88	63	54	77	87	.5
22	59.70	59.95	60.30	58.48	59.12	60.70	26	25.6	32	33.2	28.2	26.1	34	25.2	91	93	64	56	73	85	
23	59.75	59.97	60.18	57.92	59.27	60.92	25.2	25	31.6	32	28.2	25.8	33.6	24.3	92	93	61	65	69	85	
24	59.48	59.87	60.44	58.46	59.07	60.92	24.4	24.2	31.8	33.2	28	25.7	34.6	23.7	94	94	59	53	70	83	
25	59.03	59.46	60.03	58.10	58.94	60.65	24.8	24.6	31.6	31.4	28.1	26.1	32.9	23.6	90	92	62	66	65	78	
26	58.98	59.92	60.46	58.16	59.02	60.45	24.7	24.2	30.4	30	27.6	27	33	23.4	89	93	66	68	76	80	20.1
27	59.55	59.94	60.82	59.17	59.30	60.82	26.1	24.7	26.1	29.3	27.2	26.2	29.8	24	85	97	94	76	86	92	5.6
28	59.68	59.97	60.78	59.20	58.92	60.85	25.7	25.4	30.7	26	26.2	26.2	31.8	24.8	94	96	72	92	95	90	3.8
29	59.28	59.53	60.44	58.21	58.31	60.02	25.6	26	30.4	30.4	28.1	26.2	31.5	25	87	86	72	71	77	88	
30	58.39	58.48	59.25	57.15	57.30	59.32	25.6	24.7	30.6	30.6	28.1	26.1	32.2	24.4	91	96	68	69	76	83	
Mean	60.52	60.83	61.50	59.45	60.02	61.62	25	24.5	29.8	30.5	27.5	26	32.3	23.7	89.9	93	69.7	66.5	76.8	85.1	
Total																					121.4

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		0–12		0–12		0–12		0–12		0–12	0–10			0–10		
1	Calm	0	WNW	1	ENE	2	ENE	1	ENE	1	NE	1	2		Cu.	8		Cu. E
2	WNW	1	WNW	1	E	0	SSE	1	SSE	1	Calm	0	3		Fr.-Cu. ENE	4		Cu. NE
3	Calm	0	NW	1	SE	1	SSE	2	SSE	1	WNW	0	10		N. ENE	4		Cu. NE
4	NW	1	WNW	1	NW	0	Calm	0	W	1	WNW	1	3		Cu.	10		Cu.-N. NE
5	NW	0	NW	1	SE	0	SE	1	SE	1	Calm	0	8	Ci.	Cu. NE	8	Ci., Ci.-S. S	Cu. NE
6	WNW	0	WNW	0	WNW	1	NW	0	Calm	0	Calm	0	7	Ci.-S. S	S.-Cu.	6		Cu. NNE
7	Calm	0	WNW	1	WNW	1	NNW	2	Calm	0	Calm	0	2		S.-Cu.	8		Cu. NbyE
8	Calm	0	NW	1	WNW	1	SSE	1	NNE	1	WNW	1	4		Fr.-Cu. N	4		Cu. NNW
9	Calm	0	WNW	1	W	1	SSE	1	NW	0	WNW	1	6	Ci. S	S.-Cu.	8	Ci. S	Cu. N
10	NW	0	WNW	0	NE	1	W	1	NE	1	Calm	0	2	Ci.-S.	S.-Cu.	10		N. NE
11	NNE	1	N	1	Calm	0	SE	2	ENE	1	Calm	0	8		Cu.-N. NE	10		Cu.-N. ENE
12	NW	1	WNW	1	E	1	SE	2	E	1	E	0	3		S.-Cu.	7		Cu. NE
13	Calm	0	E	2	E	0	SE	1	E	1	Calm	0	10		N. E	7		Cu. E
14	NW	1	Calm	0	EbyS	1	ENE	1	ESE	1	ESE	1	8		Cu.-N. E	4		Cu. E
15	ESE	1	N	1	E	1	E	3	E	1	NW	1	8		Cu.-N. ENE	7		Cu. ENE
16	WNW	1	W	0	ESE	1	SE	1	ESE	1	Calm	0	8	Ci.	Cu.-N. E	8	Ci. W	Cu. E
17	NW	1	WNW	1	SE	1	SSE	2	E	1	Calm	0	2		S.-Cu.	2		Cu.
18	WNW	1	W	1	S	1	SSE	1	SE	1	Calm	0	2		S.-Cu.	8		Cu. E
19	SE	1	Calm	0	E	1	SSE	2	NE	1	Calm	0	2		S.-Cu.	7		Cu. E
20	Calm	0	WNW	1	ENE	0	ESE	1	E	2	Calm	0	2		S.-Cu.	4		Cu. ENE
21	WNW	0	W	0	E	1	E	1	E	1	NW	0	2		Cu.	4		Fr.-Cu. E
22	Calm	0	WNW	0	E	2	ESE	1	ENE	2	Calm	0	3	Ci.	Cu. ENE	5		Fr.-Cu. E
23	Calm	0	WNW	1	SSE	1	SE	2	ENE	2	Calm	0	4	Ci.	Cu. E	5		Cu. ENE
24	Calm	0	WNW	0	ESE	1	ESE	1	ESE	2	Calm	0	8		Cu. ENE	4		Fr.-Cu. NE
25	WNW	0	W	1	SE	1	SE	2	ENE	2	Calm	0	6	Ci.-Cu. W	Cu. NE	5		Fr.-Cu. ENE
26	NNW	1	WNW	1	N	0	NE	1	NNE	1	Calm	0	7	Ci.-S.	Cu. E	9		Cu.-N. E
27	NW	0	NNE	2	Calm	0	Calm	0	NE	1	Calm	0	10		N. ENE	8	Ci.	Cu.-N. ENE
28	WNW	1	W	1	S	1	E	1	Calm	0	Calm	0	3		Cu.	10		N. E
29	ESE	1	ESE	1	SE	1	SE	2	SE	2	SE	1	4	Ci.	Cu.	4	Ci.	Cu. ENE
30	ESE	1	Calm	0	SE	1	SE	2	SE	2	SE	0	2	Ci.	Cu.	3		Cu. ENE
Mean		0.5		0.8		0.8		1.3		1.1		0.2	5			6.4		

TACLOBAN.

[$\phi = 11° 15'$ N; $\lambda = 125° 00'$ E; barometer above sea, 3.4 meters; gravity correction not applied, —1.82 mm.]

MAY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.15	58.61	59.26	57.36	57.47	59.42	25.5	25	30.9	30.7	28	26.5	32	23	85	92	66	70	80	82	------
2	58.63	59.09	59.86	57.96	58.92	61.02	25.6	25.4	31.2	30.9	27.8	26.3	32.5	23.6	89	91	68	69	77	85	1.3
3	60.43	60.87	61.46	59.41	59.84	61.92	25.6	26.4	31.4	31	28	25.4	32.4	23.9	90	89	64	65	77	85	------
4	60.83	60.97	61.55	59.15	59.51	61.10	24.8	24.7	30	31.3	28.2	26.6	32.9	23.6	92	93	65	62	76	80	------
5	59.76	60.06	60.45	58.44	58.96	60.08	24.8	24	31.1	31.6	28.2	26.8	33.1	22.6	90	95	65	65	79	86	------
6	59	59.27	59.95	57.75	58.20	60.15	25.8	25.2	30.8	31.8	28.5	27.2	33	24.8	91	94	67	61	78	86	------
7	59.28	59.58	60	58.25	58.92	59.81	26.1	26.3	31	30.8	28.2	27.2	32	24.8	89	88	69	67	76	81	------
8	59.19	59.75	60.35	58.25	58.40	59.87	26.2	25.6	31.2	31.1	28.2	26.3	33.1	25	84	87	62	65	77	85	------
9	58.60	59.35	60.05	57.75	58.33	60.22	25.2	25.5	30.8	31.2	27.5	26.4	32	24.3	90	88	54	60	75	81	------
10	59.17	59.83	60.73	59.50	59.45	61.27	25.2	25	31	26.4	28.7	26.5	32	24.3	89	92	61	82	71	84	.8
11	59.96	60.38	60.81	58.88	59.15	60.43	25.4	25	31	31	28.9	27.1	32.4	24.2	93	94	59	68	73	82	------
12	59.91	60.17	60.15	58.25	58.61	60.12	26.1	25.3	31	31.2	29	26.8	31.9	24.4	87	92	62	62	72	84	------
13	58.82	59.32	59.56	57.63	58	59.80	26.4	25.4	31.4	32	28.4	27.5	33	25	86	93	66	59	80	84	------
14	58.61	58.80	59.48	57.83	58.87	60.30	27	26.2	31.8	32.3	29	28	33.4	25.7	84	85	64	59	74	81	------
15	59.27	59.37	59.88	58.23	58.60	59.96	27.3	27	31.2	32.2	29.5	28.2	32.8	26.4	85	84	67	63	75	80	------
16	58.97	59.25	59.71	58.10	57.91	59.86	27.8	26.6	31.3	32.1	28.5	27.5	33.3	26.2	82	88	64	61	76	84	------
17	58.47	58.75	59.84	57.58	58.59	60.27	27.2	27.5	31.7	32.6	29.1	26.1	33.9	25.7	87	85	62	63	79	95	2.5
18	58.71	59.17	59.86	58.43	58.76	60	26.2	26.5	31.4	31.8	28.8	27.5	32.6	25.4	93	90	70	69	79	87	------
19	58.83	59.23	59.19	57.73	57.84	59.20	26.3	26.1	31.5	32	28.8	27.4	33.6	25.2	91	90	62	66	79	81	------
20	58.38	58.48	59.64	57.05	57.51	58.82	25.7	25.4	32.6	30	29	27.6	33.4	25	92	93	61	73	79	84	.3
21	58.43	59.04	59.28	57.83	58.40	59.47	27	26.4	31.7	31	28.2	27.3	32.5	26	87	92	64	69	83	84	------
22	58.80	59.04	59.73	57.93	58.29	59.59	26	25.2	31.3	32	29	27	33	24.3	90	95	64	59	78	88	.5
23	59.02	59.27	59.40	57.12	57.87	59.69	26.2	26	31.5	33.2	29.2	27.9	34.4	25.4	93	94	66	54	76	84	------
24	58.48	58.79	58.64	56.88	57.56	59.01	27	26.6	32.1	31.2	28.8	27.8	33.3	25	90	92	60	71	76	83	------
25	57.84	58.19	58.34	55.83	56.49	57.78	26.2	25.9	31.5	32.7	29	27.4	33.2	25.5	93	93	69	57	73	81	------
26	57.54	58.02	58.27	56.25	57.07	58.60	25.8	26.4	31.6	32.7	29.3	27.8	33.8	25.2	88	86	66	61	66	82	------
27	57.78	58.09	58.18	56.16	57.73	59.85	27	27	33.3	33.4	27.2	26.8	35.8	25.1	85	84	59	61	84	94	10.2
28	58.22	58.84	59.20	57.53	58.17	60.29	25.2	26.3	31.9	32.5	29.5	28.2	33	25	98	94	70	65	71	83	------
29	59.41	59.73	60.05	57.79	58.05	60	26.7	26.5	32.6	33.3	29.4	28.2	33.5	26	92	92	68	59	78	82	------
30	58.69	59.33	59.98	57.87	57.86	59.29	27.2	27.5	32	32.2	29.3	28.4	33.4	26.5	90	88	68	68	81	85	1.5
31	58.37	58.81	59.56	57.12	57.85	59.52	27.6	26.8	32.4	32.7	29.3	28.6	34.6	26	88	94	63	62	81	84	------
Mean	58.89	59.27	59.72	57.80	58.30	59.89	26.2	26	31.5	31.6	28.7	27.2	33.1	24.9	89.1	90.5	64.4	64.4	76.7	84.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	17.1

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.		Amount.	Form and direction.	
														Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	E	1	W	1	SbyE	1	SSE	2	SE	2	SSE	1	3	Ci.	Cu. E	3	------	Cu. ENE
2	Calm	----	WNW	1	E	1	SE	2	E	1	Calm	----	5	Ci.-S. SW	Cu.	7	ci.-s. WSW	Cu. E
3	Calm	----	Calm	----	SSE	2	S	2	S	1	Calm	----	8	Ci.-Cu. S	Cu. ENE	3	------	Cu. NE
4	Calm	----	WNW	1	E	0	SSE	1	SS	1	SSE	1	8	Ci.-S. SW	Cu.	7	Ci.-S. SSW	Cu.
5	Calm	----	Calm	----	EbyN	1	SSE	2	SSE	1	Calm	----	7	Ci. SSW	S.-Cu.	5	Ci. SSW	Cu. E
6	NW	1	Calm	----	E	1	SSE	2	ESE	1	E	1	8	ci.,ci.-s.sw	Cu. ENE	4	Ci. SW	Fr.-Cu.
7	Calm	----	NE	1	SE	2	SE	2	SE	1	Calm	----	8	Ci.	Cu. ENE	8	Ci.	Cu. E
8	NW	1	NNW	1	SE	1	SE	2	SE	1	N	1	8	------	Cu. ENE	3	------	Fr.-Cu. NE
9	Calm	----	Calm	----	SE	1	SE	2	SSE	1	Calm	----	7	Ci.	Cu. N	2	------	Cu.
10	Calm	----	W	1	SE	1	NE	1	NE	1	Calm	----	8	------	Cu.-N. NE	10	------	N. NE
11	Calm	----	W	1	S	1	SSE	1	SE	1	Calm	----	4	------	Cu. NE	6	------	Cu. ENE
12	Calm	----	W	0	SE	1	SE	2	SE	2	Calm	----	4	------	Cu. ESE	2	------	Cu.
13	Calm	----	Calm	----	E	1	SSE	2	SE	1	Calm	----	3	------	Cu. E	2	------	Cu.
14	Calm	----	S	1	SSE	1	SSE	2	SSE	1	SSE	1	2	------	Cu.	2	------	Cu.
15	Calm	----	E	1	SE	2	SSE	2	ESE	2	SE	1	5	------	Cu. ESE	3	------	Cu.
16	Calm	----	Calm	----	SSE	2	SSE	2	SSE	0	ENE	0	8	------	Cu.-N. E	5	Ci. SW	Cu. E
17	ESE	1	SE	1	SSE	2	SE	2	SE	1	N	1	6	------	Cu. SE	3	Ci.	Cu. SE
18	Calm	----	Calm	----	SE	2	SSE	2	ESE	2	ESE	1	7	Ci.-S.	Cu. ESE	6	------	Cu. E
19	W	0	W	0	SSW	1	SE	2	S	1	E	1	2	Ci.	S.-Cu.	2	------	Cu.
20	NW	1	WNW	1	EbyN	1	S	1	SSE	1	ESE	1	5	Ci.	Cu.	7	------	Cu.-N. E
21	Calm	----	Calm	----	E	1	SSE	2	SSE	1	Calm	----	7	------	Cu. E	8	Ci.-S. SW	Cu. E
22	Calm	----	Calm	----	SSE	1	SE	2	SbyE	2	Calm	----	5	------	Cu. ESE	4	Ci.	Cu. E
23	Calm	----	Calm	----	SSE	1	SE	2	Calm	----	Calm	----	8	Ci.-S.SWbyW	Cu. SE	7	Ci. W	Cu. E
24	W	1	W	1	SE	1	SE	2	SE	2	SE	1	6	Ci.	Cu.	7	Ci. W	Cu. ENE
25	Calm	----	Calm	----	E	1	SSE	2	SSE	1	Calm	----	8	ci.,ci.-s.sw	S.-Cu.	5	Ci. SW	Cu.
26	Calm	----	Calm	----	SE	1	SE	1	SSE	1	Calm	----	6	Ci.-Cu. SW	Cu.	2	------	Cu.
27	Calm	----	Calm	----	SE	1	SSE	2	E	0	WNW	0	8	ci.-cu. SSW	Cu.	6	Ci.-S.	Cu. SE
28	WNW	0	WNW	0	SE	1	SSE	2	SSE	2	NE	1	8	Ci.-Cu. NW	Cu.	7	Ci. NW	Cu.
29	WNW	0	NW	1	SSE	1	SSE	3	SSE	1	ESE	1	3	------	Cu.	3	------	Cu.
30	Calm	----	Calm	----	SSE	2	SSE	2	SSE	2	ESE	2	6	------	Cu. ESE	5	------	Cu.
31	Calm	----	NW	1	ESE	1	SSE	2	SSE	1	SSE	1	5	Ci.	Cu. ESE	6	Ci.-S. NW	Cu. ESE
Mean	------	0.2	------	0.5	------	1.2	------	1.9	------	1.2	------	0.5	6	------	------	4.8	------	------

TACLOBAN.

[$\phi = 11° 15'$ N; $\lambda = 125° 00'$ E; barometer above sea, 3.4 meters; gravity correction not applied, −1.82 mm.]

JUNE, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.35	58.92	59.15	57.78	57.65	59.70	26.7	27.5	32	31	29.2	28.3	33	26.1	94	89	66	72	80	82	------
2	59.25	60.01	59.98	58.42	58.21	60.19	27.3	26.7	32.6	32.3	29.7	28.2	33.4	26	88	94	63	64	73	81	------
3	59.21	59.73	59.84	59.18	58.56	59.54	27.2	26.5	32	29	29	27.6	33.6	26	90	95	63	79	79	87	------
4	58.38	58.72	58.74	56.93	57.40	59.06	27	26.8	31.9	32.5	29.2	27.8	33.5	26	90	90	62	59	73	81	------
5	58.22	58.49	58.65	56.37	57.41	59.31	26.3	26.7	32.1	32.7	29	28.1	34.4	25.9	89	90	63	61	76	82	------
6	58.88	59.17	59.15	56.59	56.84	58.87	27	27.5	32.5	32.7	29.2	28.5	33.5	25.8	88	87	63	60	78	81	------
7	58.36	58.69	59.04	56.91	57.46	58.75	26.5	26.8	32.7	33.6	29.8	28.8	34.5	25	92	90	60	58	77	80	------
8	57.80	58.23	58.80	56.61	57.40	59.28	27.2	26.8	32.8	33.6	28.2	27	35.4	26.2	90	92	63	58	82	87	------
9	58.59	58.86	58.64	56.27	57.57	59.57	26.2	26.6	33	33.3	26.6	26.6	35	25.8	94	90	61	56	95	91	13.5
10	59	59.50	59.59	56.71	57.91	59.46	26.2	26.2	30.9	33.4	26.8	26.7	34.5	25	94	92	72	53	90	88	6.1
11	58.84	59.48	59.87	58.33	58.64	59.69	25.8	24.8	28	32.3	28.8	27.9	33.3	24.4	85	90	85	61	79	78	2.3
12	58.72	58.99	59.85	57.81	58.32	59.27	26.2	25.3	31.7	33.7	29.1	26.7	34.2	24.4	79	84	61	51	74	89	------
13	58.92	59.14	59.63	58.31	59.33	60.16	26.1	26	32.4	27	25.5	26	34	24.2	93	92	58	73	87	89	2.8
14	59.51	59.56	60.11	57.92	57.57	59.87	24.9	26	31.1	32.1	29.3	28.3	33.3	24.5	96	94	69	61	74	80	------
15	58.71	59.04	59.44	57.10	56.97	58.90	26.8	26.5	31.5	31.6	29	28.4	33	25.5	89	89	66	64	78	81	------
16	57.75	57.81	57.80	56.12	56.57	57.90	27.2	26.6	32	32.6	29.4	28.4	33.3	25.5	89	92	68	58	75	82	1.5
17	56.82	56.89	57.62	56.85	56.66	57.87	26.8	26.4	30.2	30.1	28	27	31	25.5	87	86	67	68	81	88	------
18	57.51	58.01	58.24	56.47	56.99	58.33	26.3	26.2	32.5	32.2	29.6	27	34	25.6	94	94	62	65	74	92	.8
19	57.69	58.29	57.84	55.97	56.81	58.42	25.9	26.8	32	32	30.2	27.8	34	25.5	95	92	69	63	71	86	8.7
20	57.97	57.86	57.74	55.99	56.52	58.17	26.2	26.4	31.2	33.2	29.5	28.5	33.8	24	90	91	73	61	79	84	1.8
21	57.33	57.59	57.97	56.60	57.04	58.27	26.8	26	31.3	32	29	27.8	33.5	25.5	88	92	69	61	74	86	------
22	58.61	58.84	58.96	56.95	57.37	59.37	26.6	26.5	31.1	31.6	29.4	28.6	34	25.3	93	93	70	66	79	80	------
23	58.40	58.69	59.08	57.20	57.31	59	27.4	26.7	31.8	32.5	30	28	33.3	26	87	91	62	56	68	79	------
24	58.08	58.25	58.60	56.53	57.35	58.82	26.3	25.2	31.8	32.5	29.4	27.8	33.9	24.3	86	92	65	57	72	80	------
25	57.97	58.33	58.30	56.80	57.17	59.57	25.5	26	32	30.3	29.5	28.5	34.5	24.3	91	89	60	72	71	78	------
26	58.81	58.67	58.93	57.33	57.71	59.29	26.1	26.6	31.5	32.9	29.1	28.5	33.6	25.3	87	90	64	58	77	78	------
27	58.30	58.94	58.60	56.52	57.41	58.82	26.9	26	31.5	33.6	28.2	27	35	25.5	87	92	61	56	76	81	------
28	57.90	58.06	58.35	56.11	56.52	58.27	26	26.5	32.1	34	29.3	28.7	35.4	25.2	92	90	64	51	74	78	------
29	57.64	57.84	59.41	57.29	57.69	59.38	26.5	26.6	25.8	27.5	27.5	24.8	28.8	24	91	90	90	86	81	92	17.7
30	58.58	58.69	59.41	57.55	56.87	59.26	25.3	25	30.2	31.2	29.5	27.7	32	23.7	92	94	66	69	73	82	------
Mean	58.34	58.64	58.91	57.05	57.44	59.08	26.4	26.3	31.5	32	28.9	27.7	33.6	25.2	90	90.9	66.2	62.6	77.3	83.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	55.2

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	Calm	----	Calm	----	SSE	1	SE	1	SE	1	ESE	1	6	----------	Cu. ESE	5	----------	Cu. ESE	
2	NE	1	NW	1	SSE	1	SE	2	ESE	2	E	1	2	----------	Cu.	2	----------	Cu. ESE	
3	WNW	1	NW	1	SE	1	NE	1	WNW	1	Calm	----	7	----------	Cu. E	8	----------	Cu.-N. E	
4	Calm	----	Calm	----	SE	1	SE	2	SE	2	SE	1	3	Ci.	S.-Cu.	3	----------	Cu.	
5	Calm	----	W	0	SE	1	SE	2	Calm	----	Calm	----	6	----------	Cu.-N. ESE	4	----------	Cu.	
6	WNW	1	NW	1	SSE	1	SSE	2	SSE	1	Calm	----	5	----------	Cu. ENE	4	----------	Cu.	
7	WNW	0	W	0	E	1	ESE	1	SE	1	ESE	1	7	Ci. W	S.-Cu.	8	Ci. W	Cu. E	
8	Calm	----	NW	0	ESE	1	ESE	2	ESE	1	Calm	----	8	Ci.-S. W	S.-Cu.	4	Ci.-S.	Cu. E	
9	Calm	----	WNW	1	EbyN	1	SSE	2	N	2	W	1	6	Ci.-S. W	S.-Cu.	4	----------	Cu.	
10	W	1	WSW	1	ENE	1	SSE	1	Calm	----	Calm	----	7	----------	Cu.-N. SE	6	Ci.-S. SW	Cu. ENE	
11	Calm	----	Calm	----	NW	0	NW	0	SE	1	Calm	----	10	----------	N. NE	8	Ci. S	Cu.-N. N	
12	Calm	----	Calm	----	EbyS	2	E	1	Calm	----	E	1	6	Ci.	S.-Cu.	7	Ci.-S. SW	Cu.	
13	ENE	1	Calm	----	E	1	W	4	Calm	----	Calm	----	8	Ci.-S. SW	S.-Cu.	9	----------	Cu.-N. W	
14	Calm	----	Calm	----	S	1	SSE	2	SSE	1	ESE	1	5	Ci.-S. NE	S.-Cu.	3	----------	Cu.	
15	Calm	----	NW	0	S	1	ESE	2	SSE	1	Calm	----	7	----------	Cu. SE	3	----------	Cu.	
16	Calm	----	Calm	----	SSE	1	SSE	2	SSE	1	Calm	----	6	Ci.	Cu. ESE	8	Ci.-S. W	Cu. ESE	
17	Calm	----	Calm	----	E	1	SSE	1	SE	1	WNW	1	7	Ci. W	Cu.	8	----------	Cu.-N. E	
18	Calm	----	Calm	----	E	1	SSE	2	SSE	1	Calm	----	8	Ci.-S.	Cu. E	5	Ci.	Cu. E	
19	Calm	----	Calm	----	E	1	S	1	S	1	Calm	----	5	Ci.-S. SSW	S.-Cu.	7	----------	Cu. SE	
20	W	1	Calm	----	E	1	E	1	E	1	ESE	1	8	Ci. SW	S.-Cu.	8	Ci. SW	Cu.	
21	Calm	----	Calm	----	ESE	1	SE	1	SE	1	Calm	----	7	Ci. SW	S.-Cu.	7	Ci. SW	Cu. ESE	
22	Calm	----	Calm	----	ENE	1	SSE	2	SSE	2	SSE	1	8	Ci.-S. SW	Cu.	8	Ci. swbys	Cu. E	
23	WNW	1	Calm	----	ESE	1	SE	1	SE	1	SE	0	8	Ci.,Ci.-S. sw	Cu.	7	Ci. SSW	Cu.	
24	SSW	0	Calm	----	SE	1	SSE	2	SSE	1	Calm	----	7	Ci.-S. SW	S.-Cu.	5	Ci.	Cu. E	
25	SE	1	Calm	----	ENE	1	SE	2	SE	1	SE	2	7	Ci.,Ci.-S.SSW	S.-Cu.	7	Ci. SSW	Cu. ENE	
26	Calm	----	WNW	1	SE	1	SEbyS	2	SE	2	SE	1	6	----------	Cu. ESE	2	----------	Cu.	
27	SE	1	Calm	----	E	1	E	1	E	1	Calm	----	4	Ci.-S. SSW	S.-Cu.	3	----------	Cu.	
28	N	1	Calm	----	E	1	ESE	1	ESE	1	Calm	----	4	----------	Cu. E	6	Ci.-S. SSW	Cu. E	
29	NW	1	WNW	1	S	2	SE	1	Calm	----	Calm	----	8	Ci.-S. SSW	S.-Cu.	10	----------	Cu.-N. E	
30	Calm	----	Calm	----	SE	1	SE	1	SE	1	E	1	5	Ci.	S.-Cu.	7	Ci. SSW	Cu.	
Mean	------	0.4	------	0.2	------	1	------	1.5	------	1	------	0.5	6.4	----------	----------	5.9	----------	----------	

TACLOBAN.

[$\phi = 11° 15'$ N; $\lambda = 125° 00'$ E; barometer above sea, 3.4 meters; gravity correction not applied, —1.82 mm.]

JULY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.43	58.34	58.90	56.69	57.67	59.10	27	25.4	30.8	31.5	28.8	27	32.4	25	86	93	69	67	79	87	------
2	58.11	58.06	58.60	57.64	57.50	59.12	26.6	26.4	29.5	26.5	27.5	25.8	30.4	25.4	91	89	72	86	81	93	3.3
3	58.02	58.43	58.83	58.08	58.87	59.73	26.4	26.1	31.5	28.5	25.5	25	31.8	24	88	91	66	75	88	91	1.6
4	59.35	59.93	60.24	58.50	58.81	60.32	24.8	25	29.6	28.8	27.4	26	31	24	96	95	74	73	80	85	------
5	59.61	59.65	59.01	57.91	58.12	59.16	25.8	25.6	30.6	29.6	28.7	26	33.2	24	89	91	67	70	74	92	7.6
6	58.27	58.52	58.32	56.75	57.13	59.02	25.7	25.8	30.7	31	27.3	26.3	32.3	24.6	93	93	63	65	84	90	------
7	57.93	58.24	58.11	55.91	56.64	57.97	25.2	25.2	31.1	30.8	26.1	26	33	24.8	94	95	68	67	91	92	4.9
8	57.25	57.58	57.85	55.95	56.85	58.24	25.3	23.6	30	30.6	27	26.1	32.2	23.3	89	97	71	63	86	93	5.1
9	56.60	57.46	57.74	56.25	57.03	58.40	24.8	24.4	26.7	29.2	27	25.8	30.8	24	87	91	90	74	89	93	1.3
10	57.59	58.12	58.67	57.82	58.30	59.37	25.7	25.4	31.2	26.6	27.8	26	32.5	24.5	93	95	68	79	77	89	.5
11	58.58	58.73	58.78	56.93	57.32	58.61	25.6	25.2	31.3	32.5	28.6	27	33	24.6	92	95	64	65	80	86	------
12	57.98	58.07	58.04	56.30	56.76	58.48	25.9	25.4	31.2	32	29	27.5	35.4	24.5	91	93	64	67	79	88	------
13	57.23	57.43	57.75	56.22	56.55	58.42	26.8	26.6	32.5	32.5	28.4	27.5	34.3	25.5	88	87	60	66	79	83	4.3
14	57.15	57.24	58.74	56.87	57.36	59.17	26.2	26.2	27.4	31	29	27.5	31.8	25	94	94	84	69	75	82	14.3
15	58.21	58.60	58.89	56.55	57.33	59.35	26.5	25.2	27.5	31	27	26.4	32	24	86	94	85	64	84	87	2.1
16	57.78	58.19	58.70	56.08	57.54	58.26	25.6	25.2	28.4	31	25	24.5	32.4	24	91	93	82	62	92	92	5.8
17	57.39	57.59	57.65	56.29	56.58	57.94	24.8	24.8	28.8	26.5	27	26	31.4	23.8	93	95	76	88	86	94	6.3
18	57.14	56.86	56.67	55.94	55.88	57.33	24.6	25	30.3	25.6	26.5	26	32	24	95	92	71	91	90	92	30.2
19	55.63	55.85	56.50	54.82	55.10	57.29	24.6	24.8	29	30	28.2	25	31.5	24	96	95	80	70	76	92	4.6
20	56.54	56.65	56.93	55.45	57.03	58.19	24.2	24.6	29.4	31.8	26	24.8	32.3	24	93	91	70	58	83	92	4.6
21	56.37	56.92	57.39	56.28	56.72	59.73	25	26.3	30.6	31.7	29	23.2	32.7	22.6	92	76	54	59	71	95	15.7
22	57.61	57.48	57.94	56.53	57	57.63	23.6	24	28	30.6	28.7	26.4	31.5	22.6	96	95	83	68	74	89	------
23	56.97	57.17	57.20	55.87	56.41	58.59	26	25.5	30.4	28.1	27.5	23.5	32.7	22	91	93	72	81	81	94	61.5
24	57.30	57.16	57.72	56.77	57.07	58.57	24.3	23.2	29	30.2	28.7	26	32.5	22.8	89	94	74	66	71	83	------
25	58.03	58.06	58.90	56.82	57.39	59.25	25.2	24.5	29.6	31.5	29	25.6	33	24	86	87	78	58	69	92	1.3
26	57.87	57.48	58.22	56.27	57.01	57.85	25.5	25.3	28.3	26.5	24.8	25.3	31.8	24	90	91	82	82	93	92	12.1
27	56.57	56.05	56.37	54.45	54.77	56.11	25.4	25.2	29.4	29	28	26	30.5	24.2	94	92	71	76	79	90	.5
28	55.33	55.55	56.26	54.97	56.55	58.13	25.4	24.8	29.3	30	25.8	24.8	31.5	24.2	92	96	72	66	90	95	2.8
29	57.13	57.45	57.88	56.63	57.68	59.23	24.6	24.5	29.2	30	27.4	25.6	32.2	24.2	95	96	75	67	72	90	------
30	58.12	58.04	58.39	56.60	57.32	59.15	24.6	24.8	30.4	32.2	27.5	25.4	33	23.4	95	93	74	60	84	88	9.9
31	57.60	57.38	57.96	57.22	57.52	58.39	24.4	24.7	29.5	27.8	27.5	24.1	30.5	23.6	94	92	70	83	81	95	22.8
Mean	57.54	57.69	58.04	56.50	57.09	58.58	25.4	25.1	29.7	29.8	27.5	25.7	32.2	24	91.6	92.4	72.5	70.5	81.2	90.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	223.1

Day.	Wind.										Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	Calm	----	NbyE	0	SSE	1	SbyE	2	SSE	1	WNW	1	8	Ci. SW	S.-Cu.	8	Ci. SW	Cu. E
2	W	1	Calm	----	SE	1	S	1	S	1	Calm	----	8	----------	N.-cf. E	10	----------	N. E
3	Calm	----	WNW	1	E	1	E	1	Calm	----	W	1	8	----------	cu.-N. ENE	9	----------	cu.-N.ENE
4	Calm	----	NW	0	S	0	E	1	ESE	1	Calm	----	9	----------	cu.-N. ESE	9	----------	cu.-N. ESE
5	Calm	----	Calm	----	SSE	1	ESE	1	ESE	1	Calm	----	8	Ci.-S. SW	S.-Cu.	8	----------	cu.-N.ENE
6	Calm	----	NW	0	SSE	1	E	1	Calm	----	Calm	----	6	Ci.-S. SSW	Cu.	8	----------	Cu. ENE
7	Calm	----	WNW	1	E	1	SE	1	Calm	----	Calm	----	4	Ci.	S.-Cu.	7	Ci. SW	Cu.
8	ESE	2	Calm	----	ESE	1	ESE	1	ESE	1	W	1	7	ci.-cu.WSW	Cu.	8	----------	Cu. ENE
9	NW	1	S	1	Calm	----	SSE	2	SSE	1	Calm	----	9	----------	Cu.-N. SE	8	Ci.	Cu. ESE
10	Calm	----	Calm	----	E	1	ENE	1	Calm	----	Calm	----	8	Ci. WbyN	S.-Cu.	8	----------	Cu.-N. SE
11	WNW	1	W	1	SE	1	SSE	1	SSE	1	Calm	----	3	Ci.	Cu.	5	----------	Cu. E
12	WNW	1	Calm	----	NW	1	E	2	NW	1	W	1	2	----------	Cu.	8	----------	Cu. ENE
13	NW	1	NW	1	E	1	SE	1	Calm	----	ESE	1	5	Ci.-S. SW	Cu.	8	Ci.	Cu. E
14	N	1	Calm	----	SW	0	NE	1	Calm	----	Calm	----	9	----------	cu.-N. ESE	8	Ci. SW	Cu. E
15	NW	1	Calm	----	SE	1	SE	1	SE	1	Calm	----	9	----------	N. E	7	Ci. SW	Cu.
16	WNW	2	NW	1	ENE	0	WNW	1	NW	1	Calm	----	6	Ci.-S. SW	S.-Cu.	8	----------	cu.-N. ESE
17	Calm	----	Calm	---	N	1	Calm	----	Calm	----	Calm	----	9	----------	Cu.-N. NW	9	----------	Cu.-N. N
18	SW	1	Calm	----	E	1	W	1	N	0	Calm	----	7	Ci.-S.	Cu.	10	----------	N. W
19	Calm	----	Calm	----	ENE	1	SSE	2	SSE	1	SSE	1	10	----------	Cu.-N. S	8	Ci. NE	Cu. SW
20	SE	1	SSE	1	S	1	SSW	2	W	2	Calm	----	9	----------	Cu.-N. SW	8	Ci. NNE	Cu. W
21	Calm	----	NW	1	SW	2	SW	1	SW	1	Calm	----	6	Ci.-S. NE	Cu.	8	Ci.-Cu.	Cu. SW
22	NW	1	N	0	NNW	1	ESE	0	Calm	----	W	1	10	----------	Cu.-N. NW	9	Ci.	Cu. W
23	Calm	----	Calm	----	NE	1	SW	1	Calm	----	WSW	5	8	Ci.-Cu.	Cu.-N. NW	9	----------	cu.-N. NW
24	Calm	----	Calm	----	EbyN	1	S	1	S	1	Calm	----	9	----------	Cu.-N. NW	8	Ci.	Cu. NNW
25	SW	1	Calm	----	WNW	1	NNW	1	NW	1	NNE	1	8	Ci.-S. ENE	S.-Cu.	8	Ci. E	Cu. W
26	NW	1	NW	1	WNW	0	NNW	1	NW	1	WNW	1	7	Ci.-S. E	Cu.	8	----------	cu.-N. NW
27	NNW	1	N	1	Calm	----	S	0	ENE	1	Calm	----	8	----------	Cu.-N. N	8	Ci. S	Cu. NE
28	Calm	----	Calm	----	SE	0	SSE	1	Calm	----	SW	1	8	ci., ci.-cu.E	Cu. SW	8	Ci.	Cu. SW
29	SW	1	Calm	----	E	1	SSW	1	ESE	1	WNW	1	10	----------	Cu.-N. SW	8	Ci.	Cu. SW
30	Calm	----	Calm	----	E	1	ESE	1	Calm	----	NW	1	9	A.-S.	Fr.-N.	7	Ci. ESE	Cu. SW
31	WNW	1	Calm	----	ESE	1	Calm	----	Calm	----	NNE	1	8	Ci.-S. E	Cu.	10	----------	cu.-N. SW
Mean	------	0.6	------	0.3	------	0.8	------	1	------	0.6	------	0.6	7.6	----------	----------	8.2	----------	----------

TACLOBAN.

[$\phi = 11° 15'$ N; $\lambda = 125° 00'$ E; barometer above sea, 3.4 meters; gravity correction not applied, —1.82 mm.]

AUGUST, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.16	56.99	57.51	55.97	56.99	58.03	24.3	24.3	30	31.4	28.8	27.5	32.2	23.8	93	94	65	63	72	78	------
2	56.87	56.97	57.70	57	57.55	59.38	25.3	25.5	30	29.5	27.9	25.8	30.5	24.5	93	92	71	71	73	84	------
3	58	59.09	59.20	57.70	57.52	59.20	26	24.7	28	29	27.2	25.8	29.5	24.4	82	90	77	76	85	92	------
4	58.17	58.57	58.87	56.74	57.62	59.13	25.8	25.7	28.9	30.3	26.6	25	32.4	24.4	90	90	74	66	85	94	------
5	57.88	57.61	58.07	56.97	57.31	58.84	24.7	24.6	31.3	25.5	28.7	26.4	33	23.6	84	94	64	92	76	82	4.8
6	57.54	58.50	58.81	57.25	58.02	59.47	25.8	24.9	29.3	31.4	27.4	25.8	32.6	24.4	94	88	72	66	81	88	1
7	58.67	59.33	59.45	57.56	58.44	59.81	25	25.2	31	27.4	25.6	25.9	33.4	23.7	94	92	64	84	87	85	26.7
8	58.29	58.54	58.68	56.32	57.69	58.49	24	24.4	27.7	30.5	25.3	24.7	31	23.4	94	92	83	70	88	94	7.9
9	57.51	57.69	58.11	56.64	57.09	58.75	24.3	24.1	29.3	27.5	26.5	25.4	30.6	23.6	94	95	74	85	80	86	16.2
10	57.69	57.94	58.51	57.37	57.57	59.39	24.5	24.4	29	25.2	25.3	24.2	30.6	23.3	91	92	78	92	93	96	8.6
11	57.49	57.48	57.70	55.79	57.03	58.38	24.4	24	30.6	32.1	28.2	24.6	32.8	23.3	92	96	70	58	72	92	1.5
12	56.49	56.74	57.29	55.28	56.02	57.12	24.4	24.6	30.5	32	27.7	26.7	33.5	23.3	93	92	66	54	76	80	------
13	56.57	56.03	56.95	55.50	56.31	57.69	25.5	25	30.4	32	27.5	26.3	33	24.2	86	87	61	59	78	86	------
14	56.90	56.97	57.25	56.05	57.05	58.17	25.7	25.4	31.4	31.2	27.8	24.4	33	24	89	92	59	60	75	92	2
15	57.95	58.15	58.39	56.85	57.52	59.08	25.2	24.7	30	31	27.8	26.2	32.6	23.8	92	96	73	67	86	94	3
16	58.28	58.05	58.55	57.21	57.20	58.34	25.4	24.4	31.6	26.6	27	26.2	33.4	23.8	93	95	70	90	86	92	1.3
17	57.21	57.69	57.89	55.82	56.80	58.26	24.3	24.8	31.5	32.6	28.8	26.5	34	23.8	97	96	72	60	76	88	1.5
18	57.12	57.53	58.41	56.16	56.03	58.21	25.4	25.4	27.3	29.8	28.2	26	30.4	24.8	93	93	86	74	81	94	------
19	56.78	57.35	57.80	56.50	56.75	58.28	25.4	24.7	30.7	27.8	28.2	25.8	32.5	24	92	94	72	88	72	88	39.4
20	57.44	57.52	57.40	56.21	57.49	58.20	25.3	25	30.8	26.6	26	26	32	24.3	93	96	70	92	92	91	19.5
21	57.43	57.55	58.98	57	57.50	58.96	25	25.3	28.4	29	27.9	27	31	24.2	95	95	81	74	81	87	------
22	57.64	58.22	58.65	57.07	57.79	58.58	26	25.4	28.4	25.8	25.4	25.2	31.5	24	91	92	81	85	92	92	48.2
23	57.43	57.68	57.80	55.19	55.61	57.89	25	24.9	29.6	30	29	26.2	31	24	92	95	76	69	71	85	1.3
24	56.85	57.15	58.37	56.74	56.90	57.72	26.1	25.4	28.6	29.4	28	26.5	30.4	25	86	92	73	71	75	80	------
25	56.56	56.72	57.12	55.44	56.32	57.76	26.2	24.8	30.4	31.3	28.6	26.5	31.7	24.3	78	88	60	57	71	84	------
26	56.19	56.04	55.95	54.38	54.58	56.20	26	26.8	30.9	31.7	29.8	28.5	33	24.2	87	75	59	61	63	70	------
27	54.95	54.92	55.01	53.51	54.36	56.10	27	26.5	31	32	29	28.4	33.4	26.1	76	80	61	54	66	66	------
28	55.02	55	55.19	53.91	54.80	56.64	27	26.6	32.2	33.5	30.2	29	34.5	26.3	74	76	52	49	60	63	------
29	56.07	56.07	56.44	55.06	56.72	57.82	28.5	27.5	32	33.4	28.8	27	34.2	26.3	64	70	57	50	75	74	------
30	56.22	56.67	56.94	55.34	55.50	56.90	27.4	25	31.5	32.8	29.9	28.3	33.6	24.4	70	87	60	54	67	75	------
31	55.09	55.36	55.21	53.36	53.84	54.81	26.5	25.4	32	32	29.9	28.6	33.5	25	84	88	60	54	64	70	------
Mean	57.08	57.29	57.68	56.06	56.71	58.12	25.5	25.1	30.1	30	27.8	26.3	32.3	24.3	87.9	90.1	69.1	69.2	77.4	84.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	182.9

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	NNW	1	Calm	----	ESE	1	SE	1	Calm	----	WNW	1	8	----------	cu.-N. WNW	8	ci.-Cu. ESE	Cu. W	
2	NW	1	WNW	1	WNW	0	W	2	W	2	W	1	8	Ci.-S.	Cu. NW	8	Ci.	Cu. W	
3	Calm	----	Calm	----	ESE	1	E	0	ESE	1	Calm	----	10	----------	Cu.-N. W	10	----------	Cu.-N. W	
4	Calm	----	WNW	1	W	2	E	1	NNE	1	Calm	----	8	Ci.-S.	Cu. NW	7	Ci.-S. SE	Cu. WNW	
5	WNW	1	W	1	E	1	W	0	Calm	----	Calm	----	5	Ci.-S.	S.-Cu.	9	----------	Cu.-N. W	
6	WNW	1	Calm	----	NW	1	SW	1	E	1	Calm	----	8	----------	N.-cf. W	7	----------	Cu. W	
7	Calm	----	Calm	----	E	1	ESE	1	Calm	----	W	2	7	Ci.-Cu. E	S.-Cu.	10	----------	N. W	
8	W	1	WNW	1	NW	1	NW	2	N	2	NW	0	10	----------	N. W	8	Ci. E	Cu. WNW	
9	Calm	----	Calm	----	ESE	1	NW	0	NW	1	WNW	1	9	----------	cu.-N. WbyN	10	----------	cu.-N. WbyN	
10	W	1	W	1	ENE	1	Calm	----	Calm	----	Calm	----	9	----------	Cu.-N. W	10	----------	N. W	
11	WNW	1	Calm	----	W	2	WNW	2	W	2	Calm	----	5	Ci.-Cu. E	Cu. W	7	Ci. E	Cu. WSW	
12	WNW	1	W	0	SSW	1	W	3	WNW	1	W	1	7	Ci.-Cu. E	S.-Cu.	8	----------	Cu. W	
13	WNW	1	Calm	----	W	2	SSW	2	W	2	Calm	----	8	Ci. NNE	Cu. WSW	7	Ci. NNE	Cu. WSW	
14	Calm	----	Calm	----	W	3	SW	2	W	1	Calm	----	8	Ci. NNE	S.-Cu.	8	----------	Cu. WSW	
15	NW	0	NW	1	ENE	1	SE	1	Calm	----	Calm	----	8	Ci. NNE	Fr.-S.	8	Ci.	Cu. W	
16	Calm	----	Calm	----	E	1	NE	1	Calm	----	Calm	----	2	Ci.	S.-Cu.	10	----------	Cu.-N. W	
17	Calm	----	Calm	----	E	1	W	2	E	1	Calm	----	7	Ci. NE	S.-Cu.	6	Ci. NE	Cu. W	
18	Calm	----	NW	1	Calm	----	NNW	1	Calm	----	N	0	9	----------	Cu.-N. NW	8	Ci.	Cu. NW	
19	NW	1	NW	1	NNE	1	NNW	1	WNW	1	Calm	----	5	Ci.-S. NE	Cu.	8	Ci.-Cu. NE	Cu. W	
20	Calm	----	W	1	E	1	SE	1	Calm	----	Calm	----	8	Ci. NE	S.-Cu.	10	----------	N. W	
21	WNW	1	W	1	SW	1	SE	1	Calm	----	W	1	9	----------	Cu.-N. W	8	Ci.	cu.-N. wsw	
22	W	0	Calm	----	E	0	W	2	N	1	Calm	----	8	Ci.-S.	Cu.-N. W	10	----------	N. WNW	
23	Calm	----	WNW	1	NbyE	0	NW	1	NW	1	WNW	1	8	Ci.-S. NE	Cu. WSW	8	Ci. NE	Cu. W	
24	Calm	----	Calm	----	WNW	1	WNW	2	WNW	1	Calm	----	9	Ci.	Cu.-N. NW	8	Ci.	Cu. WNW	
25	SW	1	Calm	----	W	2	WNW	3	W	0	WbyN	2	8	Ci.	cu.-N. NWbyW	8	Ci. SE	Cu. NW	
26	Calm	----	WSW	1	W	2	WSW	1	SW	1	SW	1	8	ci., ci.-S. E	S.-Cu.	7	Ci. E	Cu. WSW	
27	WSW	1	SSW	1	WSW	2	SW	3	SW	2	S	1	7	ci., ci.-S. E	Cu. W	7	Ci. ENE	Cu. SW	
28	Calm	----	SSE	1	SSE	2	SW	2	SW	1	SW	2	7	Ci.	Cu. SW	7	Ci. ENE	Cu. SW	
29	SSW	2	Calm	----	WSW	2	SW	1	WSW	1	W	1	5	Ci.-S. ENE	Cu.	7	Ci.-S. ENE	Cu. SW	
30	WSW	1	WNW	1	E	1	W	3	WNW	1	W	1	5	Ci.	S.-Cu.	8	Ci.	Cu. W	
31	Calm	----	Calm	----	NNE	1	WSW	2	WSW	0	WSW	1	8	----------	cu.-N. WNW	8	Ci.	Cu. WbyN	
Mean	------	0.5	------	0.5	------	1.2	------	1.5	------	0.8	------	0.5	7.5	----------	----------	8.2	----------	----------	

TACLOBAN.

[ϕ=11° 15′ N; λ=125° 00′ E; barometer above sea, 3.4 meters; gravity correction not applied, —1.82 mm.]

SEPTEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	53.91	54.32	55.05	53.37	54.21	55.58	26.5	27.5	31.8	31.9	29.5	26	33	25.4	84	70	58	58	68	84	2
2	54.96	56.07	55.79	54.64	55.44	56.79	27.8	26.5	29.4	31.3	29	28.8	32.5	25.5	71	76	61	61	69	64	
3	55.52	56.63	56.97	55.58	56.42	57.75	26.6	27.6	32	31.7	28.9	26.7	34	25.5	75	66	54	56	68	79	
4	57.16	57.57	58.03	56.78	56.89	58.37	27	26.6	32	31.8	28.8	28	33.4	25.5	70	79	62	64	78	81	
5	56.86	57.75	58.50	57.01	57.45	58.91	26.8	26	29.5	28.4	27.8	26.8	31	25.5	84	90	76	82	79	78	3.8
6	57.77	57.60	58.46	56.89	57.55	58.86	25	24.5	28.5	26.4	24.1	23.7	30	23.3	87	91	78	93	95	96	116
7	56.65	56.76	56.35	54.11	55	56.93	23.5	23.5	24.4	24.6	25.3	25	26	23	87	96	93	95	93	92	30.8
8	56.11	57.16	57.90	56.35	57.01	58.52	23.8	23.8	29.8	31.3	28	26.5	32.3	22.8	89	89	68	67	79	82	
9	57.87	58.19	58.74	56.93	57.70	59.26	24.5	24	30	32	29	26	33	23.4	92	95	68	60	72	90	
10	57.94	58.20	58.16	56.97	56.92	58.23	26	24.2	30.6	30	28.2	26.2	31	24	88	95	64	67	72	82	
11	57.34	57.40	58	55.37	56.07	57.36	25.6	25.6	30	31	28.7	26.4	33	23.3	83	81	62	63	70	85	
12	57.11	57.33	57.42	55.14	56.20	57.22	26.8	27.1	30.6	32	29	27	33.5	26	78	76	63	58	71	80	
13	55.85	56.82	56.89	54.18	55	56.22	27.4	26.8	30	32.5	28.6	27.8	33.3	26.4	81	81	71	55	73	71	
14	54.27	54.48	54.85	52.45	52.88	54.08	27.8	27.3	29.2	31	28.9	26.1	32	25.5	74	78	74	65	75	87	
15	52.69	52.27	53.19	51.78	52.03	53.74	27.6	27.7	31	31	27.9	27.1	31.5	26.2	73	71	62	59	69	74	.8
16	53.47	54.37	55.20	54.04	54.78	56.82	26.4	24.8	29.1	29.2	28.1	27.8	30.3	24.7	79	92	68	66	70	73	
17	55.74	56.17	56.50	55.69	56.36	57.44	26.1	25.4	31.3	32	28.2	25.8	32.5	24.5	81	84	60	58	72	90	
18	56.32	56.37	56.44	54.68	55.35	56.32	26.9	25.2	30.3	32	29	27.6	34	24.8	82	90	70	57	69	83	
19	55.28	54.78	55.95	54.09	54.29	56.01	27	25	29.3	29.7	28.6	27	31.3	24.6	77	90	76	79	80	84	
20	54.97	55.73	56.46	54.70	55.47	57.68	26	26.5	31	29.5	27	26.9	32.6	24.9	79	77	65	70	81	76	.5
21	56.48	57.47	57.95	56.39	57.30	58.62	26	25.6	30	30.3	28.4	27.1	32.9	24.8	84	87	65	72	82	85	5.3
22	57.97	59.03	59.46	57.70	58.74	60.27	25.5	25	30.4	31.6	29	27.2	33	24.6	93	96	68	64	71	81	
23	58.79	59.50	59.65	57.92	59.09	59.96	26.8	25	30.4	29.5	25.7	25	32.9	24.5	81	93	69	71	84	91	
24	58.72	58.89	58.89	56.67	57.43	58.65	25.2	24.6	30	29.4	26.5	25.6	32.3	23.7	90	97	67	75	88	92	
25	57.47	57.86	58.25	55.65	56.62	57.77	25.2	25	30.8	33.3	27.3	26.8	34.2	24.6	92	96	69	54	76	79	
26	56.37	56.33	57.02	54.46	55.52	57.02	25.4	26.6	29.1	30.6	27.5	26.6	31.2	24	88	80	74	67	78	80	5.6
27	56.12	55.69	57.37	55.54	56.10	57.67	24.4	24	30.4	30.5	29	27.5	32.2	23.5	93	95	66	62	74	84	
28	57.41	58.29	58.85	56.21	56.68	58.56	26.5	25.4	31.6	33.8	30.3	27.5	35.2	24.7	79	84	66	51	63	77	
29	57.29	57.97	58.56	56.51	56.96	58.04	25.7	25	31.3	30.5	29.3	25.4	34.8	24.4	88	92	61	75	69	88	3.3
30	57.37	57.68	57.80	55.92	56.70	58.91	25.2	25.2	31.1	31	29.6	28.2	33.2	24.4	92	92	69	65	73	82	
Mean	56.39	56.82	57.29	55.46	56.14	57.59	26	25.6	30.2	30.7	28.2	26.7	32.4	24.6	83.1	86	67.6	66.3	75.4	82.3	
Total																					168.1

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	SW	1	WSW	2	WSW	2	W	1	Calm		WSW	1	8	Ci.	Cu.-N. W	8	Ci.		Cu. WNW
2	SW	1	WSW	1	WSW	1	SSE	1	SSE	1	SSE	1	9		Cu.-N. W	7	Ci. ENE		Cu. WSW
3	SSE	1	SW	1	WSW	1	W	1	W	1	Calm		8	Ci.-Cu.	Cu. SW	8	Ci.		Cu. WSW
4	Calm		Calm		SE	2	ESE	1	SSE	1	NE	1	8	Ci.-Cu.	Cu. SW	8	Ci. NE		Cu. WSW
5	Calm		NW	0	SE	0	S	1	SE	0	SE	1	8	A.-Cu.	S.-Cu.	9	Ci.		Cu. SW
6	NNW	3	NW	1	N	2	Calm		WNW	1	Calm		8		Cu.-N. NW	10			N. NE
7	W	1	NNW	2	NW	3	Calm		ESE	2	ESE	2	10		N. N	10			N. NNE
8	SSE	1	S	0	SSE	1	SE	1	S	1	Calm		6	Ci.-S. NW	Cu.	6	Ci. NW		Cu. SW
9	Calm		Calm		E	1	SW	1	NW	1	Calm		1	Ci.	S.-Cu.	8	Ci.		Cu. SW
10	W	1	Calm		WbyN	2	WNW	2	NW	1	Calm		6	ci., Ci.-S. NE	S.-Cu.	8	Ci. NE		Cu. WNW
11	Calm		Calm		W	2	WSW	1	WNW	1	Calm		7	Ci.-S. NE	S.-Cu.	7	Ci.		Cu. WNW
12	NW	1	WNW	1	WNW	3	W	3	WbyN	2	WNW	3	8	Ci.-S. NE	Cu. WNW	7	Ci. NE		Cu. W
13	WbyN	2	WNW	1	Calm		W	1	WbyN	1	WNW	2	8	Ci., Ci.-Cu. NE	S.-Cu.	8	Ci. ENE		Cu. W
14	WNW	2	WbyN	3	W	2	W	3	W	1	W	1	8		N.-cf. W	9	Ci.		Cu. W
15	W	1	SW	0	SW	1	SW	4	SW	2	WSW	2	9		Cu.-N. W	9			cu.-N. WSW
16	SSW	1	Calm		WSW	3	SW	2	SW	1	SSW	0	10		Cu.-N. W	9	Ci.		Cu.-N. SW
17	SSW	0	Calm		S	2	WSW	1	Calm		Calm		8	Ci.-S. NE	S.-Cu.	8	Ci.-Cu. NE		Cu. WSW
18	Calm		WNW	1	ESE	1	W	2	WNW	1	WNW	1	2		S.-Cu.	7	Ci. NE		Cu. W
19	Calm		Calm		ENE	0	SE	1	NW	0	Calm		8	Ci.	S.-Cu.	9	Ci.		Cu.-N. W
20	Calm		SW	1	S	1	SW	2	W	1	SW	1	7	Ci. NE	Cu. W	8			cu.-N. WSW
21	Calm		NW	1	WSW	1	NE	1	Calm		Calm		8		Cu.-N. SW	8			Cu.-N. SW
22	Calm		Calm		E	1	NNE	1	W	2	Calm		9		N.-cf. W	7	Ci. NE		cu. SW by W
23	Calm		Calm		WNW	2	WNW	1	Calm		Calm		4	Ci.-S. NE	S.-Cu.	8			Cu.-N. NW
24	N	0	N	1	NNW	1	NNE	1	Calm		WbyN	1	8	Ci.-S. E	Cu. NW	9			cu.-N. ENE
25	WNW	1	NW	1	NNE	1	WNW	1	N	0	Calm		8		Cu.-N. NW	7	Ci. ENE		Cu. NW
26	WNW	0	WNW	2	WNW	3	WNW	3	WbyN	2	Calm		8		cu.-N. WNW	8	Ci.		Cu. W
27	Calm		Calm		SE	1	SE	0	Calm		SSE	0	8	Ci. ESE	S.-Cu.	8	Ci.-Cu. ESE		Cu. SW
28	S	0	S	1	ESE	1	SSW	1	S	1	W	1	7	Ci., Ci.-S. E	S.-Cu.	7	Ci. E		Cu. SW
29	Calm		W	0	ESE	1	ESE	1	S	1	Calm		2		S.-Cu.	8			Cu. WSW
30	W	0	W	0	ESE	1	ESE	1	NW	1	WNW	1	2	Ci.	S.-Cu.	7			Cu. SW
Mean		0.6		0.7		1.4		1.3		0.9		0.6	7			8			

TACLOBAN.

[$\phi = 11°\ 15'$ N; $\lambda = 125°\ 00'$ E; barometer above sea, 3.4 meters; gravity correction not applied, —1.82 mm.]

OCTOBER, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.19	58.69	58.48	57.13	58.16	59.59	27	26.5	32	32.3	29.4	27.7	33	26	86	88	63	64	75	82	------
2	59.14	59.55	60.18	58.89	59.40	60.41	26.5	25.2	32.3	26.5	28.6	25.5	24.2	24.2	83	92	64	88	74	93	17.3
3	59.66	59.97	60.41	58.32	59.57	60.08	25.5	25.3	31.4	29.4	28.6	25.4	34.4	24	92	93	69	68	75	88	------
4	59.04	59.38	59.55	57.65	58.22	59.33	25.1	24.9	31.4	28.8	27.2	25.4	33.2	23.5	91	91	68	72	81	93	------
5	57.57	58.67	59.07	56.97	58.47	59.29	25.4	25.3	30.3	27	25.6	24.5	32.8	24	93	93	70	84	89	95	14.2
6	58.56	58.69	59.17	57.45	59.01	60.17	24.6	24.4	28	27.8	24.8	25	32.4	23.8	92	93	75	83	93	92	22.9
7	58.85	59.54	60.06	58.37	58.82	60.03	24	24.3	28.5	26.4	26	25.8	29.8	23.2	95	92	78	88	81	84	19
8	59.30	59.67	59.97	57.56	58.66	59.52	24.9	25.1	29.2	30	25.8	26.3	30.5	24	90	88	74	71	90	83	9.1
9	58.57	58.93	59.11	56.94	57.52	58.97	25	25	30.3	31.4	28.1	26.6	32.5	24	92	92	68	60	80	87	------
10	58.13	58.38	58.63	56.29	56.99	58.12	24.9	24.8	31.3	31.6	28.2	25.5	33.3	24	93	92	64	60	73	89	------
11	57.67	57.87	58.47	56.10	56.70	58.11	25.5	25.5	30.6	31.9	28.5	27.8	33.3	24.4	89	89	65	55	70	77	------
12	57.59	57.96	58.35	56.35	57.15	58.82	26.7	25.8	29.5	30.5	28.4	26.6	31.5	24.9	85	93	75	68	75	83	4.5
13	57.34	57.45	57.68	55.45	56.02	56.52	25.2	25.1	28.4	29.5	28.3	27.5	30	23.4	90	91	72	72	77	81	------
14	54.64	54.29	54.42	52.67	53.39	53.59	27	26.9	29.2	27.5	25.7	25.5	31	25	84	86	75	81	92	93	61.2
15	50.89	50.37	49.08	47.12	48.41	51.57	26.1	26.6	25.3	25.9	25.7	24.8	27.2	23.6	91	87	89	88	86	89	49.6
16	51.67	52.96	54.32	53.81	54.63	56.72	25.3	25.4	26.3	25.2	26.5	27	28.5	23.8	85	84	82	87	80	75	8.6
17	56.09	57.34	58.85	57.37	58.40	59.78	26.6	26.8	30.2	31.2	28	26.8	31.8	25.3	81	80	60	61	79	82	4
18	59.09	59.86	59.98	57.74	59.02	60.52	25.4	24.5	30.6	31.9	26.5	26.6	32.7	23.8	90	96	71	62	88	86	12.2
19	59.72	59.92	60.16	58.02	58.68	59.65	25.8	25	29.2	28.5	25.5	25	30	24.4	90	95	76	78	92	96	21
20	58.83	58.94	59.17	56.46	58.07	59.05	24.5	24.5	29	30.3	25.2	24.8	31	23.7	97	95	78	72	94	92	5.1
21	57.80	58.99	59.11	57.42	59.02	60.03	24.4	23.5	28.5	28	27	26.7	30.2	23.2	91	96	70	77	82	84	------
22	58.35	58.79	59.31	57.21	58.01	59.27	24.5	24	29.5	28.5	26.7	25.4	31.5	23.6	92	96	79	80	85	92	------
23	57.66	58.65	58.80	56.12	57.47	58.57	24.7	24	30	32	27	26	32.5	23.5	92	96	74	64	88	90	------
24	57.58	58.22	58.82	56.47	57.08	58.19	25.1	25	25.5	27	24.9	24.2	29.8	23.7	94	95	88	83	92	97	22.9
25	56.81	57.22	57.73	55.82	57.17	58.04	24.9	25.4	29.6	30.2	27.5	26	31	24.2	91	88	75	68	79	84	2
26	56.67	57.60	58.12	56.83	57.77	59.25	25.2	24	30.4	30.9	28	27.4	31.5	23	90	96	63	71	82	84	22.9
27	58.49	59.17	60.20	58.39	59.15	60.30	26.2	25.5	30.2	30.5	28	26.4	31.5	24.8	89	91	75	73	84	88	------
28	59.52	59.77	60.19	58.46	59.54	59.96	25.1	24.5	30.4	27.8	24.8	24.4	31.5	23.8	93	96	66	75	85	92	5.1
29	58.50	58.81	60.43	57.65	58.92	59.78	24.2	24.2	25.8	27.8	26	25	29	23.3	94	94	90	76	82	88	2
30	58.75	59.34	59.56	57.86	59.26	60.27	24	24	29	30.5	27.4	26.5	31	23.3	97	96	74	66	81	86	------
31	59.61	60.21	60.76	57.84	59.20	59.68	25.8	24.9	29.3	32.7	26.6	26.2	33.5	24.3	88	95	72	58	87	87	8.7
Mean	57.75	58.23	58.65	56.67	57.67	58.81	25.3	25	29.4	29.3	26.9	25.9	31.5	24	90.3	91.9	73	72.7	82.9	87.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	312.3

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	Calm	----	W	1	E	1	E	1	Calm	----	Calm	----	7	Ci.-S. E	S.-Cu.	7	Ci.-S. E	Cu. WSW
2	Calm	----	Calm	----	E	1	W	0	Calm	----	Calm	----	2	----------	Cu.	9	----------	Cu.-N. SW
3	Calm	----	W	1	E	1	S	1	W	1	Calm	----	4	----------	Cu. SSW	8	----------	Cu.-N. SW
4	WNW	0	WNW	1	E	1	S	1	Calm	----	Calm	----	7	Ci. NE	S.-Cu.	8	Ci.	Cu.-N. N
5	WSW	1	Calm	----	NW	1	ENE	1	ENE	1	W	1	9	----------	Cu.-N.WNW	9	----------	Cu. NW
6	W	0	W	0	ENE	0	E	1	Calm	----	Calm	----	8	----------	Cu.-N. NW	10	----------	N. NW
7	Calm	----	Calm	----	W	1	Calm	----	W	1	W	1	8	----------	Cu.-N. NW	9	----------	cu.-N. WNW
8	W	0	NW	1	EbyN	1	NNE	1	Calm	----	Calm	----	8	Ci.-Cu. NE	Cu.	8	Ci. NE	Cu. W
9	Calm	----	Calm	----	S	1	SSW	1	Calm	----	Calm	----	8	----------	Cu.-N. NW	8	Ci. NE	Cu. W
10	Calm	----	Calm	----	SSE	1	S	1	Calm	----	Calm	----	7	Ci.-Cu. NE	S.-Cu.	7	ci.-Cu. ENE	Cu. SW
11	Calm	----	WNW	1	ESE	1	SW	2	SW	1	Calm	----	8	----------	Cu. WSW	7	ci.-Cu. ENE	Cu. SW
12	Calm	----	Calm	----	NW	0	WNW	2	WNW	2	WNW	2	8	Ci.-S. ENE	S.-Cu.	7	Ci. ENE	Cu. W
13	WNW	2	WNW	2	WNW	3	WNW	2	WNW	2	WNW	2	9	----------	Cu.-N. NW	8	Ci.	Cu. WNW
14	NW	3	NW	3	NW	3	NNW	1	NW	3	NW	3	8	Ci. ESE	Cu. N	10	----------	Cu.-N. NbyE
15	NNW	4	NNW	4	NNE	5	ENE	8	E	7	E	9	10	----------	N. NNE	10	----------	N. ENE
16	SE	6	ESE	7	ESE	3	SSE	2	SSE	2	SE	2	10	----------	N. ESE	9	----------	Cu.-N. S
17	SSE	3	SE	1	SSE	2	SE	1	Calm	----	S	1	7	Ci.-S.	Cu. S	6	----------	Cu. S
18	Calm	----	Calm	----	E	1	E	1	Calm	----	Calm	----	2	----------	Cu.	4	----------	Cu. S
19	NW	1	NW	1	WNW	1	W	1	Calm	----	Calm	----	4	Ci.-S. N	Cu.	8	----------	Cu.-N. N
20	NW	1	NNW	1	WNW	1	WbyN	1	WNW	1	WNW	1	9	----------	cu.-N. NNE	7	----------	Cu. NE
21	WNW	1	Calm	----	NNW	1	NW	2	Calm	----	WNW	1	8	Ci.	Cu.-N. NE	9	----------	cu.-N.NNE
22	WNW	1	Calm	----	NW	1	WNW	1	WNW	1	NNW	0	6	Ci.	S.-Cu.	9	----------	cu.-N.NNE
23	NW	1	NW	1	NW	1	W	1	Calm	----	Calm	----	4	Ci.	Cu.	7	Ci. S	Cu. NNE
24	W	1	W	1	W	1	NNW	2	WNW	1	W	1	7	Ci.-S.	Cu. NNE	10	----------	N. N
25	WNW	1	WNW	1	WNW	1	WNW	2	WNW	1	Calm	----	6	Ci. S	Cu.	7	Ci. S	Cu. WNW
26	WNW	1	Calm	----	E	1	ESE	1	SE	1	SE	1	7	Ci.-S. SSW	S.-Cu.	6	Ci.	Cu. SW
27	SSE	0	S	0	SSE	1	SE	2	SE	1	Calm	----	6	Ci.-S. SW	Cu.	4	Ci.	Cu.
28	Calm	----	WNW	0	E	0	NW	0	N	1	WNW	1	3	Ci.	S.-Cu.	7	Ci.-S. SW	Cu. NE
29	Calm	----	WNW	1	ENE	1	WNW	1	N	1	WNW	1	8	Ci.-Cu. SW	S.-Cu.	8	Ci.	cu.-N.ENE
30	WNW	0	WNW	0	ENE	1	E	1	Calm	----	W	1	8	----------	Cu. E	2	----------	Cu.
31	Calm	----	Calm	----	WNW	1	WNW	1	Calm	----	WNW	1	2	----------	Cu.	7	Ci. SW	Cu. NE
Mean	-------	0.9	-------	0.9	-------	1.3	-------	1.4	-------	0.9	-------	0.9	6.7	----------	----------	7.6	----------	----------

TACLOBAN.

[$\phi = 11° 15'$ N; $\lambda = 125° 00'$ E; barometer above sea, 3.4 [a] meters; gravity correction not applied, —1.82 mm.]

NOVEMBER, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.19	58.48	57.57	55.60	57.09	58.97	26.4	26	26	27.5	26.5	25.6	28.3	24.4	89	90	92	84	85	91	40.4
2	58.50	59.61	60.13	58.10	58.36	60.02	25.3	24.6	28.2	30	27.2	24.4	31	23	88	90	79	69	77	90	6.9
3	59.40	60.04	60	57.99	59.37	60.32	23.2	23.6	29.6	30	26.2	25.1	31	22.9	97	95	71	68	94	95	3.6
4	58.96	59.26	59.80	57.56	58.55	59.46	24.5	24	29	29	27.6	26.5	31.4	23.6	96	97	76	74	77	80	1.5
5	58.60	58.51	58.84	56.84	56.50	56.63	25.3	24.8	26.9	27.5	26.3	25.2	28	24	88	91	77	78	88	94	66.3
6	54.27	55.37	57.02	56.12	57.54	59.18	25	25.9	28.4	27.5	26.8	27	30.6	24	92	88	75	84	87	84	10.1
7	57.98	59.62	60.01	59.09	59.19	60.47	24.8	24.8	29.4	24	24.3	24.3	31	23.4	92	91	72	90	93	93	30.8
8	59.87	60.21	60.84	58.62	59.22	60.30	24	24	29.9	28.2	26.2	25.7	31	23.5	93	94	70	76	85	86	4
9	58.50	59.30	59.52	57.82	58	59.04	24.7	24.3	27.8	25.7	25	25	30.3	23.5	91	93	79	90	92	92	38.2
10	58.50	58.84	59.06	57.18	58.32	59.41	24.7	24	28.7	28.7	25.5	25	30.9	23.5	91	96	73	75	89	91	6.6
11	58.89	59.39	59.73	57.99	58.87	59.93	24.5	24.5	29.4	30.4	26.9	26.4	31.5	23.2	92	93	79	69	92	90	.8
12	58.99	59.53	60.17	58.21	58.62	59.51	25.8	25.2	28.4	26.5	26.5	25.6	30	24.8	90	94	84	88	92	91	.5
13	58.40	58.81	59.07	57.37	58.22	59	25	24.4	29.4	30.1	27	25.8	30.8	23.8	92	95	68	71	84	87	------
14	58.16	58.75	59.13	57.09	58.41	59.40	24.6	24	29	30.1	27.8	26	31.9	23.6	93	97	71	69	79	90	------
15	58.57	59.38	60.02	57.80	58.55	59.48	25.2	24.5	29.5	31.5	28	26.2	33	23.4	93	96	71	57	77	90	------
16	58.60	59.38	59.86	58	58.72	59.42	25.4	24.4	30	30.7	27.6	26.5	31.4	23.5	88	93	69	63	77	82	------
17	58.32	58.69	59.45	57.08	58.32	59.22	25.2	24.2	30.4	30.9	28	26.2	31.6	23.9	88	95	69	69	75	82	------
18	58.34	58.85	59.29	56.84	57.90	58.91	24.6	24	29	31.1	27.8	26.1	33	23.5	93	95	74	64	82	88	3
19	57.58	58.75	58.83	56.24	57.62	58.64	25	24.5	29.1	29.4	27.6	26.5	32.3	24.2	92	95	71	72	80	88	------
20	57.53	57.67	58.17	55.97	56.60	57.92	25.9	25.5	28.5	30.3	28	25.8	31.4	25	89	92	74	70	77	87	------
21	56.60	57.34	57.78	55.65	56.83	58.36	25	23.9	29.5	30.7	27.4	26.2	31.7	23.2	89	92	69	62	84	90	------
22	57.13	57.72	58.33	56.52	57.57	58.42	26	25.5	29	26.1	25.6	25.5	31	25	88	92	71	89	93	92	22.6
23	57.09	57.40	58.12	55.10	56.83	56.69	25.4	25.4	28.5	30	26.6	26.1	30.9	24.9	90	90	74	65	80	87	------
24	54.59	54.39	54.44	51.66	49.31	36.16	26	25.8	26	26	26	24	27	23.6	88	92	92	90	84	------	(b)
25	43.46	52.13	55.28	54.97	56.64	58.88?	------	------	------	------	------	------	------	------	------	------	------	------	------	------	2.5
26	57.58	58.09	59.02	56.76	57.23	59	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
27	58.13	58.85	59.13	56.53	56.64	56.50	------	------	------	------	------	------	------	------	------	------	------	------	------	------	13.5
28	54.78	55.55	56.13	54.40	55.53	57.55	------	------	------	------	------	------	------	------	------	------	------	------	------	------	9.4
29	57.68	57.76	59.01	57.88	58.55	60.28	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
30	59.49	59.53	60.62	58.63	59.63	61.23	------	------	------	------	------	------	------	------	------	------	------	------	------	------	1.3
Mean	57.42	58.24	58.81	56.85	57.62	58.28	25.1	24.7	28.7	28.8	26.8	25.7	30.9	23.8	90.9	93.2	75	74.4	84.3	88.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	262(c)

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	NW	2	NW	2	NW	2	NNE	1	SE	2	SE	2	10	----------	N. NE	10	----------	N. ENE
2	SE	2	SE	1	ESE	1	SE	1	SE	1	Calm	----	8	----------	Cu.-N. SE	8	Ci. N	Cu. SE
3	Calm	----	WNW	1	SSE	1	SE	2	WNW	1	WNW	1	3	----------	Cu.	7	----------	Cu. SE
4	WNW	1	WNW	1	WNW	1	NW	1	WNW	1	WNW	1	8	----------	cu.-N. ENE	6	----------	Cu. NE
5	NW	1	WNW	1	NW	2	NW	2	NW	2	NW	3	9	----------	Cu.-N. NE	8	Ci.	cu.-N. NNE
6	NNE	1	E	3	ESE	3	E	2	ESE	1	ESE	2	10	----------	N. ESE	8	Ci.	Cu. ESE
7	ESE	2	ESE	2	ESE	1	Calm	----	Calm	----	Calm	----	8	----------	Cu.-N. E	10	----------	N. SE
8	Calm	----	W	1	E	1	ENE	0	NNE	1	Calm	----	7	Ci.-Cu. W	Cu.	5	----------	Cu. SE
9	W	0	W	1	W	1	WbyS	0	Calm	----	Calm	----	8	----------	Cu.-N. ESE	8	----------	Cu.-N. E
10	Calm	----	Calm	----	E	1	WNW	1	WNW	1	Calm	----	8	----------	Cu.-N. E	8	----------	Cu.-N. ESE
11	Calm	----	Calm	----	NNW	1	S	1	Calm	----	Calm	----	8	----------	Cu.-N. E	7	----------	Cu. ENE
12	WNW	1	WNW	1	NW	1	ENE	1	Calm	----	ENE	1	7	Ci.-S. W	Cu.	8	----------	cu.-N. ENE
13	WNW	1	WNW	1	NNW	0	SE	1	SW	1	WNW	1	3	----------	S.-Cu.	5	Ci.	Cu. ENE
14	NW	1	WNW	1	WNW	1	SSE	1	NNE	1	N	1	7	----------	Cu.-N. BNE	7	----------	Cu. ENE
15	WNW	1	WNW	1	ESE	1	SE	1	SSE	0	Calm	----	2	Ci.-S.	S.-Cu.	6	Ci. W	Cu. E
16	Calm	----	Calm	----	SE	1	SSE	2	SSE	2	Calm	----	2	Ci.-S.	S.-Cu.	6	Ci.-S. WNW	Cu. E
17	WNW	1	WNW	1	SE	0	SSE	1	NNE	1	WNW	1	2	----------	S.-Cu.	2	----------	Cu.
18	WNW	1	NW	1	W	1	SSE	1	S	0	Calm	----	2	----------	S.-Cu.	2	----------	Cu.
19	W	1	WNW	1	NW	2	NW	2	NW	1	NW	1	2	Ci.	S.-Cu.	7	Ci.	cu.-N. NNE
20	NW	1	WNW	1	NNW	2	NW	2	NW	1	NW	1	7	Ci. ESE	Cu.	7	Ci. ESE	Cu. N
21	wbyN	0	Calm	----	NW	1	NNW	2	NW	2	WNW	1	6	Ci. E	S.-Cu.	4	Ci.	Cu. NW
22	WNW	1	WNW	1	NW	2	WNW	1	WNW	1	WNW	1	8	----------	Cu. N	9	----------	Cu.-N. N
23	NW	2	NNW	2	NNW	3	NNW	3	NW	2	NW	1	8	Ci. E	Cu.-N. N	8	Ci. ESE	Cu. N
24	NNW	4	NW	3	NW	3	NW	5	WNW	6	NW	9	10	----------	N. N	10	----------	N. N
25	S	12	SSE	8	SE	3	ESE	2	SE	2	SE	1	10	----------	N. SSE	8	----------	Cu.-N. SE
26	Calm	----	Calm	----	WNW	1	S	1	SE	1	SE	1	8	----------	Cu.-N. SE	7	Ci.	Cu. ESE
27	WNW	1	WNW	1	N	1	NNE	1	NNW	2	NW	2	7	Ci.	S.-Cu. ESE	8	----------	Cu.-N. SE
28	ESE	2	NE	1	E	1	ESE	1	E	1	E	1	10	----------	Cu.-N. ESE	8	Ci-Cu.	Cu. ESE
29	E	2	Calm	----	Calm	----	ESE	1	Calm	----	Calm	----	10	----------	N.	8	----------	Cu.-N. E
30	Calm	----	Calm	----	E	1	ESE	1	E	1	N	1	7	Ci.-S.	S.-Cu.	9	----------	Cu-N. S
Mean	-------	1.4	-------	1.2	-------	1.3	-------	1.4	-------	1.2	-------	1.1	6.8	----------	----------	7.1	----------	----------

NOTE.—The thermometer-shelter of this station was destroyed during the typhoon of the 24–25.

[a] Beginning with November 24, 10 p. m. the height of the barometer above sea level was 2.4 meters.

[b] Rainfall for this day is omitted as the rain-gauge could not be observed after 6 p. m.

[c] 29 days of observation.

TACLOBAN.

[ϕ=11° 15′ N; λ=125° 00′ E; berometer above sea, 2.4 meters; gravity correction not applied, —1.82 mm.]

DECEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.37	61.20	61.62	59.26	60.49	61.33															
2	60.17	60.99	61.83	58.58	59.12	60.26															
3	58.79	58.71	59.13	56.90	57.20	58															
4	56.58	56.88	57.75	55.73	56.92	58.21															
5	56.84	57.60	58.85	56.60	57.79	59.29															
6	58.55	59.12	59.84	57.58	59.44	60.79															1
7	59.76	60.46	60.71	58.73	59.41	60.98															1
8	59.76	60.13	60.58	58.28	59.42	60.36															4.3
9	59.44	60.18	61.12	59.11	59.49	60.76															20.3
10	59.03	60.05	61.43	59.48	60.31	60.83															58.1
11	59.63	60.33	61.12	59.11	60.13	61.28															3
12	60.33	60.57	61.53	59.07	60.17	60.73															8.1
13	60.13	60.64	61.23	60.26	60.52	61.32															18.7
14	60.56	60.99	61.58	60.07	60.41	61.01															14.4
15	60.13	60.58	61.26	59.27	60.15	61.46															1.3
16	60.18	60.58	60.86	58.76	60.23	60.89															2.8
17	59.71	60.15	60.94	59.08	59.57	60.57															
18	58.80	59.67	59.83	57.31	57.43	58.58															2.5
19	57.85	58.61	59.21	57.63	58.44	59.14															3.3
20	58.18	58.88	59.51	57.13	58.40	59.46															16
21	58.86	59.08	59.44	57.63	58.45	59.44															9.4
22	59.08	59.36	60.31	58.07	58.63	60.27															12.1
23	60	60.67	61.30	58.97	60.01	61.48															15.2
24	59.48	59.49	60.39	58.59	59.33	60.88															3.8
25	59.54	59.85	61.11	59.51	60.42	61.19															7.1
26	60.42	60.63	61.23	58.92	59.93	60.92															3.3
27	60.22	60.42	61.14	59.43	60.02	61.02															10.7
28	60.18	60.67	61.56	59.51	60.38	61.29															
29	60.58	61.39	62.21	60.01	60.93	61.72															4.5
30	60.95	61.22	62.23	59.85	60.08	60.68															5.1
31	60.49	60.74	61.28	59.15	59.71	60.86															
Mean	59.50	59.99	60.71	58.63	59.45	60.48															
Total																					226

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	S	2	Calm		E	1	ESE	1	Calm		Calm		8	Ci.-S. W	S.-Cu. SE	8	Ci.-S. W	Cu. SE
2	Calm		Calm		NW	1	NW	2	NW	1	Calm		7	Ci.-S. SE	S.-Cu.	8		Cu.-N. NE
3	NW	1	NNW	1	NW	1	NW	2	WNW	1	NW	1	8	Ci. SE	Cu. NW	8	Ci.	Cu.-N. NW
4	WNW	1	WNW	1	WNW	1	W	1	W	1	WNW	1	8	Ci.	S.-Cu.	9	Ci. ENE	Cu. W
5	SE	1	Calm		E	1	ESE	1	Calm		Calm		8	Ci. ENE	S.-Cu.	7	Ci.-S. ENE	Cu. W
6	Calm		Calm		NW	1	NNW	1	ENE	1	N	1	3	Ci.	S.-Cu.	3		Cu. N
7	WNW	1	WNW	1	WNW	1	N	2	N	1	NNW	1	7	Ci.-S.	S.-Cu.	9		Cu.-N. N
8	NNW	1	NNW	0	N	1	WNW	1	N	1	N	1	7	Ci.	S.-Cu. N	6		Cu. NNW
9	N	2	N	2	NNW	1	N	1	NE	1	NNE	1	10		N. N	8		Cu.-N. N
10	WNW	1	WNW	1	NNW	1	ESE	4	N	1	NNE	1	10		N. NE	10		N. NE
11	NE	1	Calm		NE	1	E	1	ENE	1	NNE	1	7	Ci. NW	S.-Cu.	4		Cu. E
12	NW	1	NNW	1	ENE	1	ESE	1	NNE	1	NE	1	3		S.-Cu.	7	Ci.	Cu. E
13	N	1	Calm		NNE	1	Calm		Calm		N	1	7	Ci.-S.	S.-Cu. E	10		N. E
14	N	1	N	1	WNW	1	ESE	1	ESE	1	NE	1	10		N. E	9		Cu.-N. NE
15	NE	1	Calm		NNE	1	SE	1	Calm		NE	1	5	Ci.-S. NW	S.-Cu.	7	Ci.-S. NW	Cu. ENE
16	NNE	1	WNW	1	NNE	1	NE	1	ENE	2	ENE	1	7	Ci.-S.	S.-Cu. ENE	5		Cu. ENE
17	Calm		WNW	1	NNE	1	S	1	Calm		N	1	3		S.-Cu.	9		Cu.-N. E
18	WNW	1	WNW	1	WNW	1	NW	1	WNW	2	WNW	0	3	Ci.	S.-Cu.	7	Ci. SW	Cu. NNE
19	Calm		Calm		NNE	1	N	1	N	1	Calm		3	Ci.	S.-Cu.	7	Ci.-S.	Cu. NE
20	NNE	1	Calm		N	1	N	1	NE	1	N	1	4		S.-Cu. NNE	7	Ci.-S.	Cu.-N. NE
21	Calm		Calm		N	1	NE	2	N	1	N	1	8		Cu.-N. NE	10		N. NE
22	Calm		Calm		N	1	E	1	SE	1	Calm		6		S.-Cu. E	9		Cu. E
23	NNE	1	NNE	1	N	2	NE	1	NW	1	NW	1	10		N. E	7	Ci.-S.	Cu. NE
24	NW	1	NW	1	NW	1	S	1	E	0	NE	1	10		N. E	10		cu.-N. ENE
25	NNE	1	N	1	N	1	NE	1	E	1	Calm		8		cu.-N. ENE	8	Ci.-S.	cu.-N. ESE
26	Calm		SW	1	S	1	SSE	1	E	1	Calm		8	Ci.	cu.-N. ESE	8		cu.-N. ESE
27	Calm		N	1	NNE	1	SE	1	SE	1	SE	1	7	Ci.-S.	S.-Cu. SE	9	Ci.-S. NW	cu.-N. ESE
28	Calm		Calm		NE	1	E	1	N	0	NE	1	10		N. SE	7		Cu. SE
29	ENE	1	NE	1	E	1	S	1	ENE	1	NE	1	8	Ci.-S.	S.-Cu. ENE	8		cu.-N. ESE
30	N	0	N	1	E	1	SE	1	NE	1	N	0	6		Cu. E	8		cu.-N. ESE
31	NE	0	N	1	NE	1	SE	1	E	0	E	0	10		N. SE	8	Ci.-S. NW	Cu. SE
Mean		0.7		0.6		1		1.2		0.8		0.7	7.1			7.7		

CAPIZ.

[ϕ=11° 35′ N; λ=125° 00′ E; barometer above sea, 6 meters; gravity correction not applied, —1.81 mm.]

JANUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.17	60.49	60.95	58.71	59.77	60.65	24.2	23	28.3	28.8	25.3	24.8	30.5	23	90	93	72	75	89	92	------
2	59.87	60.44	61.37	59.79	60.30	61.35	24	22.5	28.7	28.6	26	24.8	30.8	22.5	91	95	66	75	83	85	------
3	60.41	60.99	62.41	60.39	60.96	61.87	24.6	24.1	27.5	27.5	24.6	24.4	30.5	23.5	87	91	75	77	96	88	4.8
4	61.44	61.64	62.32	60.30	60.52	61.11	23.4	22.8	27.5	29	25.2	23.7	31	22.7	93	93	77	65	84	93	------
5	60.87	60.99	61.98	59.66	60.07	60.68	24.2	22.7	28	29.5	26.2	24.7	31	22.7	86	94	74	64	81	89	2.6
6	60.13	60.08	61.28	59.67	60.76	60.69	24	24.1	26.4	26.3	24.9	23.7	28.5	23.7	91	95	90	88	88	91	5.8
7	60.73	61.08	62.12	60.28	60.81	61.14	23.9	23.7	27.9	26.3	25	23.8	29.6	23.1	90	82	68	80	88	85	.3
8	61.04	61.73	61.97	59.72	60.30	60.74	23	21	27.1	28.5	25.6	24	30.4	20.8	84	94	81	70	79	91	------
9	60.21	60.99	61.67	59.72	59.95	61.09	23.5	22.7	26.7	28.4	25.7	24.2	30.7	22.5	90	94	79	71	83	93	.3
10	60.17	61.08	62.31	60.15	60.96	61.86	23.8	23.1	28.5	29.2	24.7	23.3	31.8	22.5	94	97	76	68	84	90	------
11	61.33	62.51	63.32	60.92	61.87	62.51	22.5	23.7	27.3	28.6	24.9	24	30	21.8	96	94	81	68	88	92	------
12	61.76	62.22	63.09	60.83	62.02	62.84	23.9	23.7	28.8	27.4	24.5	24	30.4	23.7	92	94	72	81	92	96	1.5
13	62.19	62.27	63.65	60.52	61.60	63.48	24	23.7	28.3	29.3	25.6	24.9	31.1	23.5	91	90	69	62	84	90	------
14	62.95	63.05	64.27	61.64	61.67	62.91	23.3	21.8	27.9	28	25.4	23.8	30.2	21.5	84	92	64	68	81	91	------
15	62.29	62.57	63.73	61.15	61.92	63.42	22.3	21.4	28	28.3	25.9	23.9	30.3	21.2	96	95	68	69	80	86	------
16	62.49	62.94	64.33	61.92	62.43	63.84	23	22.5	27.8	29	24.9	22.5	31.1	22.3	92	92	73	68	85	93	------
17	62.57	63.08	64.33	62.34	62.92	64.09	23.1	22	29.3	28.3	25.7	24.3	30.7	21.7	92	95	66	69	81	86	------
18	63.02	63.24	64.38	62.29	62.36	63.24	21.6	20.5	27.7	28.5	24.7	23.8	30.1	20.4	95	96	68	69	86	89	------
19	63.21	63.43	64.83	62.82	62.81	64.01	23.6	21.5	27.1	29.1	25.5	24	30.7	21.4	86	93	76	71	91	87	------
20	63.49	63.02	64.18	62.43	62.53	63.66	22.8	21.7	27	25.8	24.7	24.8	28.9	21.5	93	96	77	81	86	81	2
21	62.93	63.15	64.17	62.20	62.92	64.47	23.8	21.3	27.7	28.7	24.3	21.5	30.1	21	93	94	68	63	84	91	------
22	63.27	63.66	64.17	61.60	62.05	62.48	20	18.4	26.8	28.3	24.1	21.3	29.9	18.3	96	97	69	66	86	94	------
23	62.09	62.50	63.23	61.54	61.98	62.93	20.1	19.3	28.1	29	24.7	22.4	30.9	19.2	93	96	69	64	79	90	------
24	62.72	62.82	63.86	61.86	61.86	63.09	23.1	24.2	28.3	30	28.4	21.8	31.7	21.8	90	89	72	59	53	89	------
25	62.34	62.98	63.90	61.64	61.82	63.02	24.3	22.8	28.9	29.8	24.5	23	31	22.7	90	90	64	63	83	90	------
26	62.19	62.79	64.06	62.12	62.91	63.97	23.8	22.8	28.7	29.6	25.7	24.1	31.3	22.5	85	91	69	67	81	84	------
27	63.83	64.10	65.36	62.82	63.42	64.22	23.8	21.7	29.1	28.9	25.4	23.5	30.7	21.6	85	94	66	68	81	87	------
28	63.53	64.17	64.73	62.34	62.63	63.78	22.6	21.5	29.3	28.5	25.4	24	30.7	21.3	89	93	65	67	80	90	------
29	63.18	63.47	64.26	61.64	61.92	63.25	23.2	22.3	28.8	29	25	24.6	31	22	92	94	69	69	82	88	------
30	62.27	62.50	63.86	61.87	61.90	62.93	22.3	22	27.7	29.4	25.3	22.4	31.2	21.8	96	94	74	62	82	92	------
31	62.19	62.35	63.83	61.37	61.61	62.72	22.3	22.1	28.5	29.1	25.5	24	31	21.7	93	94	67	66	82	86	------
Mean	61.96	62.33	63.35	61.17	61.66	62.65	23.2	22.3	28	28.5	25.3	23.7	30.6	21.9	90.8	93.3	71.7	69.5	83.3	89.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	17.3

Day.	Wind.											Clouds.						
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.			
												Amount.	Form and direction.		Amount.	Form and direction.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.	
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*			
1	NE	NE	NE	NE	NE	NE	38.4	54.1	47.2	13.7	153.4	10	Ci.-S.	N. NE	8	Ci.	Cu.	NE
2	NE	E	NE	NE	N	NE	20.9	54.7	48.9	42.6	167.1	8	Ci.	N.-cf. NE	8	Ci.-S.	Cu.	NE
3	NE	ENE	NE	N	ENE	NE	44.5	64.7	55	70.5	234.7	10	Ci.-S.	Fr.-N. E	10	Ci.-S.	N.	NE
4	NE	NE	NE	E	Calm	Calm	39.7	52.8	55.8	11	159.3	8	Ci.	Cu. NE	8	Ci. E	Cu.	E
5	E	E	NE	NE	NE	NE	34.6	57.4	48	69.8	209.8	6	Ci.	Cu. E	2	Ci.	Cu.	NE
6	NE	NE	NE	NNE	NNE	N	56.3	61.7	64.2	34	216.2	10	Ci.-S.	N. NE	10	Ci.-S.	N.	NNE
7	NE	NE	NE	NNE	NE	NE	47.5	58.5	46.7	58.1	210.8	9	Ci.-S.	N. NE	8	Ci.-S.	N.	NNE
8	NE	E	NE	NE	NNE	NE	26.8	41.3	56.6	56.8	181.5	4	Ci.	Cu. E	10	Ci.-S.	Fr.-N.	NE
9	NE	Calm	NE	NE	Calm	Calm	34.6	34.1	36.8	2.4	107.9	3	Ci.	S.	5	Ci.	Cu.	NE
10	Calm	E	NE	NE	Calm	Calm	3.8	47.3	43.3	1.9	96.3	7	Ci.	N.-cf. E	7	Ci.	Cu.	NE
11	SW	E	ENE	NE	Calm	NE	16.9	46.4	45.6	9.2	118.1	8	Ci.-S.	N. E	9	Ci.-S.	Cu.	NE
12	SE	SSE	SE	N	NNE	NE	21.5	30.3	57.9	38.1	147.8	9	Ci.-S.	N. SE	10	Ci.-S.	N.	N
13	NE	NE	E	E	NE	NE	49.1	75.3	84.8	64.9	274.1	9	A.-Cu.	Cu. NE	3	Ci.	Cu.	E
14	NE	ENE	NE	NE	N	Calm	31.4	45.9	40.8	16.1	134.2	7	Ci.	Cu. NE	8	Ci.-S.	Cu.	NE
15	NE	Calm	NE	NE	N	NE	19.3	47	48.1	24.4	138.8	4	Ci.	N.-cf. NE	8	Ci.	Fr.-Cu.	NE
16	NE	NE	NE	NE	Calm	Calm	22.2	45.1	39.4	6.4	113.1	5	Ci.	S.-Cu. NE	8	Ci.	Cu.	NE
17	NE	E	NE	NNE	NNE	NE	29	44.5	53.7	34	161.2	7	Ci.	Cu.	6	Ci.	Fr.-Cu.	NE
18	Calm	Calm	N	N	Calm	NE	5.6	44.8	38.4	20.3	109.1	3	Ci.	S.-Cu.	7	Ci.	Cu.	NE
19	NE	E	NNE	NE	Calm	ENE	27.6	48.3	43.7	21.7	141.3	10	Ci.-S.	Fr.-N. E	4	Ci.	Cu.	NE
20	NE	Calm	NE	ENE	ENE	NE	12.4	47.5	52.1	62.2	174.2	4	Ci.	N.-cf. NE	9	Ci.-S.	N.	ENE
21	NE	Calm	NE	N	S	ENE	29.3	41.2	37.6	10.5	118.6	7	Ci.	Cu. NE	2	Ci.	Cu.	NE
22	E	Calm	ENE	N	N	Calm	5	34	38.4	5.4	82.8	4	Ci.	N.-cf. NE	2	Ci.	Cu.	NE
23	Calm	Calm	N	N	Calm	Calm	2.2	28.4	53.4	4.5	88.5	9	Ci.	Fr.-N. E	3	Ci.	Cu.	NE
24	E	NE	ENE	NE	Calm	Calm	15.5	56.9	50.1	2.1	124.6	10	Ci.-S.	Fr.-N. NE	1	----------	Cu.	
25	E	E	E	E	Calm	SW	30.9	65.8	68.1	9.7	174.5	1	----------	Cu.	2	----------	Cu.	E
26	SE	SE	ENE	NE	NNE	NNE	42.1	48.3	56.8	24.1	171.3	3	Ci.	Cu.	1	Ci.	Cu.	NE
27	SE	Calm	NE	NNE	NW	NE	32.2	40	47.5	15.8	135.5	8	Ci.	Cu. NE	7	Ci.	Cu.	NE
28	NNE	Calm	NNE	NNE	Calm	ENE	18.7	51.3	55	15.8	140.8	8	Ci.	N.-cf. N	9	Ci.	Fr.-N.	NNE
29	NNE	NNE	NNE	NNE	Calm	NE	12.9	58.9	49.6	20.6	142	9	Ci.-S.	Fr.-N. NE	4	Ci.	Cu.	NNE
30	NE	Calm	NE	NE	Calm	Calm	10.7	43	46.1	3.2	103	9	Ci.	N.-cf. NE	2	----------	Cu.	NE
31	NE	Calm	NE	NNE	NNE	N	10.7	44	59	26.2	139.9	4	Ci.	Cu. NE	1	Ci.	Cu.	NE
Mean	------	------	------	------	------	------	25.6	48.8	50.6	25.7	150.7	6.9	----------	----------	5.9	----------	----------	
Total	------	------	------	------	------	------	------	------	------	------	4,670.4	----	----------	----------	----	----------	----------	

CAPIZ.

[$\phi = 11°\ 35'$ N; $\lambda = 122°\ 45'$ E; barometer above sea, 6 meters; gravity correction not applied, —1.81 mm.]

FEBRUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	62.16	62.48	63.57	61.27	61.37	62.74	24.4	24	29.9	29.9	25.4	23.3	31.4	22.9	85	87	60	60	79	90	
2	61.77	62.07	63.58	61.37	61.61	62.99	22.8	21	29.2	30.2	26	24	31.3	21	90	95	68	63	79	89	
3	62.03	62.27	63.76	61.27	61.28	62.70	24.8	24.1	29.1	29.4	26.3	25.4	31.1	23.9	85	91	72	68	77	84	
4	62.38	62.67	63.66	61.97	62.60	63.33	25	24.6	29.8	28.7	26.4	25	31.1	24.4	84	80	59	66	77	80	
5	63.01	63.16	63.90	61.91	62.47	63.96	24.7	24	28.6	29.1	26.1	25.4	31.4	24	82	87	70	70	79	77	
6	63.14	63.59	64.90	62.72	62.82	64.24	24.7	23.3	27.8	30.4	26.2	24.5	31.5	22.8	78	84	68	56	70	75	
7	63.59	64.23	65.11	62.55	62.65	64.22	23.7	23.2	28.4	30	25.7	24.5	31.7	23	80	81	62	59	69	77	
8	63.29	63.75	64.70	62.14	62.26	63.96	22.6	22.4	28.7	29.5	25.5	23.6	30.9	21.9	86	85	64	62	78	85	
9	62.49	62.95	63.80	61.32	61.36	62.80	23.4	22.4	28.8	29.1	26	25	30.9	21.9	85	89	63	65	78	88	0.3
10	62.01	61.96	62.83	60.60	60.83	61.72	24.1	24.3	27.2	28.2	26.1	25.6	30.4	23.9	91	89	78	77	83	83	
11	61.31	61.06	62.60	60.92	61.02	62.23	25	24.3	29.6	29.7	25.8	24.9	31.3	24.2	83	91	70	70	88	91	.5
12	62.11	61.52	61.97	59.94	60	61.41	24.8	23.5	30.4	30	26.7	25.2	31.6	23.3	90	92	68	68	81	82	
13	60.27	60.52	61.46	58.72	58.97	60.23	23.9	23.8	28.3	29.1	25.7	23.3	31	22.6	91	88	71	66	81	89	2
14	59.49	59.44	60.70	58.54	58.36	60.22	22.6	22.8	29.4	30	26.8	24.3	31.2	22.4	96	98	71	67	77	96	6.9
15	59.23	59.14	60.70	58.78	59.09	60.86	24.9	24.8	27.6	27.8	26.5	25.8	30.3	24.3	92	94	82	82	87	93	.5
16	60.25	60.15	61.16	58.96	58.75	60.42	25	25.2	28	30.7	27.4	25.3	32.9	24.9	95	94	82	67	84	93	
17	59.90	59.95	61.44	59.23	59.05	60.77	25	24.9	29.8	30.8	27	24.8	32.3	23.9	96	96	75	67	81	93	
18	60.17	60.22	61.82	60.06	60.05	61.27	23.8	23.7	29	29.9	27.4	26.4	31.7	23.2	95	95	75	68	78	84	
19	61.35	61.49	62.88	60.65	60.87	62.83	25.2	25.1	25.6	27.7	24.1	23.5	29.5	23	92	91	89	84	96	97	19.5
20	61.07	61.18	62.29	60.31	60.53	62.24	23.2	23.9	25.6	28.3	25.1	24.3	29.4	23	97	92	91	79	90	91	2.3
21	61.43	61.67	62.42	60.35	60.10	61.63	23.4	24.6	28.5	30.8	27.1	25.6	32.2	23.2	94	84	75	61	73	88	
22	60.97	61.18	62.44	60.14	60.49	61.65	23.6	23	29.5	31.4	27	24.3	32.4	22.8	95	94	68	59	73	89	
23	61.43	61.30	62.16	59.71	59.89	61.41	23	21.6	28.5	30.5	26.7	24.6	32.1	21.4	95	96	71	61	77	87	23.8
24	60.78	60.65	61.01	58.84	59.40	60.37	22.4	22.1	29.7	29.4	27	25.7	31.3	21.7	96	96	71	72	76	80	
25	60.09	60.56	61.91	60.01	60.01	60.85	25	24.1	27.5	28.8	26.7	24.7	31.1	23.5	84	87	77	69	83	84	
26	60.24	61.02	61.96	59.15	59.80	61.17	23.6	21.6	28.7	31.1	26.8	25.4	32	21.4	86	94	71	65	80	87	
27	60.12	60.28	61.20	58.79	58.82	60.07	24.2	23.9	28.5	31.1	26.6	25.4	32.3	23.8	88	91	74	67	86	88	
28	59.16	59.98	61.05	58.29	58.11	59.76	24	21.5	29.2	30.6	26.6	25.5	32.2	21.3	91	95	67	65	81	88	.3
29	59.13	59.74	61.12	59.15	58.66	60.27	24.6	24.6	29.9	30.6	27.2	26	31.9	24	91	90	69	68	81	82	
Mean	61.19	61.39	62.49	60.26	60.39	61.80	24	23.5	28.6	29.8	26.3	24.9	31.4	23	89.4	90.6	71.8	67.3	80.1	86.6	
Total																					56.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction.		Amount.	Form and direction.	
													Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	E	E	NNE	N	NW	22	46.5	47.3	7.5	123.3	10	Ci.-S.	Fr.-N. E	1		Fr.-Cu.
2	Calm	Calm	NNE	NNE	Calm	Calm	1.9	40.4	54.5	15.1	111.9	3	Ci.	Cu. N	2		Fr.-Cu. N
3	NE	NE	NE	NE	N	NE	43.1	54.5	77.2	51.8	226.6	8	Ci.	Fr.-N. NE	2		Cu. NE
4	NE	N	NE	NE	NE	NE	41.3	56.5	48.8	44.1	190.7	9	Ci.-S.	N.	9	Ci.-S.	N. NE
5	NE	Calm	NE	NE	NE	NE	30	52.6	68.1	96.6	247.3	10	Ci.-S. NE	N. NE	8	Ci.-S.	N. NE
6	NE	NE	NE	NE	NE	NE	52.1	58.4	73.5	78.6	262.6	5	Ci.	N.-cf. NE	3	Ci.	Cu. NE
7	NE	NE	NE	NE	NE	NE	58.1	75	77.7	64.9	275.7	8	Ci.-S.	N.-cf. NE	1		Cu. NE
8	NE	NE	NE	N	Calm	NE	34	47.8	42.9	27.1	151.8	8	Ci.	N.-cf. NE	1	Ci.	Cu. NE
9	NE	E	NE	N	N	Calm	22.7	46.5	50.1	4	123.3	8	Ci.	N.-cf. E	3	Ci.	Cu. NE
10	Calm	N	NE	NNE	NE	NE	12.9	55.5	61.7	50.5	180.6	10		N. NNE	9	Ci.-S.	N. NE
11	NE	NE	NE	NE	N	N	52.8	61.8	66.6	44.6	225.8	3	Ci.	N.-cf. NE	2		Cu. NE
12	N	N	NE	NE	NNE	NE	37	54.4	50.5	46.4	188.3	9	Ci.-S.	Fr.-N. NE	4	Ci.	Cu. NE
13	N	N	NE	NE	Calm	Calm	32.5	46.1	38.9	8	125.5	10	Ci.-S.	Fr.-N. N	2		Fr.-Cu. NE
14	Calm	Calm	N	N	NW	W	5	45.3	52.1	12.7	115.1	9	Ci.-S.	Fr.-N. N	5	Ci.	Fr.-Cu. N
15	N	N	NE	NNE	NNE	NE	54.9	61.7	53.7	30.9	201.2	10	Ci.-S.	Fr.-N. N	9	Ci.-S.	Fr.-N. NE
16	NE	NE	NE	NE	N	Calm	18.5	52.6	58.1	6.9	136.1	10	Ci.-S.	N. NE	2	Ci.	Cu. NE
17	Calm	Calm	NE	NNE	NE	Calm	8.6	39.6	61.5	5	114.7	10	Ci.-S.	Fr.-N. NE	2	Ci.	Cu. NE
18	Calm	NE	NE	N	Calm	NE	3.7	43.1	49.3	17.5	113.6	8	Ci.-S.	N.-cf. NE	2	Ci.	Cu. NE
19	NE	NE	NE	NNE	NE	NE	19.9	64.6	70	76.1	230.6	9	Ci.-S.	Fr.-N. NE	7	Ci.-S.	Cu. NE
20	NE	NE	NE	NE	NE	NE	81.1	80.5	72.6	35.9	270.1	10	Ci.-S.	Fr.-N. NE	8	Ci.-S.	Cu. NE
21	NE	NE	NE	NE	NE	ENE	35.1	63.9	74.3	23.1	196.4	8	Ci.-S.	N.-cf. NE	4	Ci.	Cu. NE
22	ENE	ENE	ENE	NE	NE	Calm	28.2	59.2	71.1	19.1	177.6	8	Ci.-S.	N.-cf. E	2	Ci.	Cu.
23	Calm	Calm	NNE	NE	NE	Calm	5.4	43.7	68.9	20.7	138.7	4	Ci.	N.-cf. NE	6	Ci.	Cu.
24	Calm	Calm	E	NE	E	NE	9.4	38.6	65.8	45.1	158.9	9	Ci.-S.	N.-cf. NE	8	Ci.-S.	Fr.-N. E
25	NE	NE	NE	NE	Calm	NE	64.6	54.2	36.4	20.6	175.8	8	Ci.	N.-cf. NE	9	Ci.-S.	Fr.-N. NE
26	NE	Calm	NE	NE	N	NE	32.8	49.4	52.9	40	175.1	4	Ci.	N.-cf. NE	3	Ci.	Cu. NE
27	NE	NE	ENE	ENE	N	NNE	44.8	65	64.9	30.9	205.6	9	Ci.	N.-cf. NE	2		Cu. E
28	NE	SSE	ENE	E	NNE	NE	19.9	42.9	58.2	19.1	140.1	4	Ci.-S.	Cu. NE	2	Ci.	Cu. E
29	NE	NE	NE	NNE	NNE	NE	47	66	55.2	61.7	229.9	9	Ci.-S.	Fr.-N. NE	7	A.-Cu.	Cu. NE
Mean							31.7	54	59.4	34.6	179.8	7.9			4.3		
Total											5,212.9						

CAPIZ.

[$\phi = 11°\ 35'$ N; $\lambda = 122°\ 45'$ E; barometer above sea, 6 meters; gravity correction not applied, —1.81 mm.]

MARCH, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.52	59.46	61.25	59.39	59.34	61.31	25	23	29.2	30.6	26.8	25	32.4	22.8	83	90	73	58	78	80	------
2	60.92	61.23	62.46	60.17	60.62	61.60	24	23.3	30	30	26.6	25	31.5	23	86	89	65	68	80	90	------
3	60.17	61.29	63.05	60.65	60.69	61.66	25.2	25	27	30	27.4	25.7	31.8	24	90	91	87	69	82	86	0.5
4	61.44	61.53	62.94	60.19	60.03	61.08	24.8	23.5	29.5	31.5	26.1	24.2	32.9	23.2	87	91	65	57	79	77	------
5	59.97	60.29	61.73	59.41	60.05	61.21	24	23	28.5	30.1	26.9	25.8	31.7	22.6	78	86	70	65	77	85	------
6	60.05	60.63	62.37	60.10	59.95	61.50	25.4	23.6	28.4	30.6	27.2	26	32.9	22.5	88	91	75	62	79	85	------
7	60.55	61.18	62.21	59.79	60.30	61.91	25	25	28.8	31.6	27.7	25.2	32.8	24.3	87	88	75	65	82	94	9.2
8	61	61.53	62.71	60.60	60.69	62.32	24.8	24.4	29.8	31.3	27.5	25.5	32.4	24.2	88	92	71	61	77	87	------
9	62.27	62.83	63.87	61.15	60.77	62.36	24.2	22.1	29.5	31.3	26.6	24.1	32.5	21.8	90	93	63	49	67	80	------
10	61.49	61.72	63.06	60.21	60.35	61.75	24	22.4	30	30.2	26.4	24.7	31.2	22.2	78	88	60	64	76	85	------
11	60.49	60.57	61.50	59.05	58.68	59.98	24.1	21.7	29.5	30.9	27.4	24.7	32.4	21.7	84	96	68	62	76	89	------
12	58.39	58.75	59.95	57.30	57.96	59.40	24.2	22.1	30.5	31.2	27.4	24.6	33.1	22.1	90	95	71	68	78	90	------
13	58.49	58.95	59.90	57.95	58.11	59.75	24	23.4	30.9	32.3	27.5	25.2	33.2	23.3	91	94	72	68	82	92	------
14	59.27	59.66	61.60	59.43	59.15	60.96	24.2	24.5	30.3	32	28.6	25.2	33.4	24.1	97	95	70	55	64	83	------
15	60.12	60.34	61.71	59.99	59.60	60.95	24.9	22.5	29.9	30.7	26.6	24.4	32	22.5	84	93	64	57	74	87	------
16	60.07	60.17	62.24	59.85	59.55	61.22	24.9	22.5	29.6	31	26.6	23	32.3	22.2	84	92	58	52	71	84	------
17	60.73	61.07	62.54	60.20	59.67	61.70	22.7	23.7	29.2	30.7	26.7	25	32.8	22.2	87	90	66	57	77	74	------
18	61.21	62.19	63.40	60.79	60.47	62.46	24.2	23.8	30.1	31.7	26.9	25.7	33.2	23.2	74	65	51	38	59	71	------
19	61.52	62.02	63.42	60.75	60.92	62.65	24.3	23.4	30.2	31.7	26.8	25.5	32.9	23.2	79	85	59	42	75	84	------
20	61.06	61.64	63.27	60.76	61.35	62.65	25	24.4	29.8	31.6	27.7	25	33.4	23.9	83	82	62	53	67	87	------
21	61.45	61.94	63.61	61.18	61.57	63.02	24.8	23.7	28.5	31.3	27.2	25	33	23.6	87	91	68	53	77	90	1.5
22	62.47	62.94	63.66	61.30	60.92	62.51	24.9	24	30.3	31	27.3	26	32.8	23.7	88	92	68	61	77	86	------
23	61.81	62.05	63.05	60.86	60.64	61.78	24.9	25	28.6	31.3	28.4	26.2	33.7	24.7	92	88	74	55	68	85	------
24	61.17	61.78	63.07	60.60	61.32	63.02	25	23.4	29.8	31.4	27.5	25.3	32.8	23.4	88	92	67	59	77	89	------
25	62.32	62.78	62.84	60.98	61.32	62.82	25.5	23.9	30.4	31.8	27.5	26.1	33.3	23.4	84	89	61	52	66	81	------
26	62.09	63.01	63.02	60.46	60.37	62.06	24.5	23.2	30.5	31.8	28	26.2	33.3	23	87	90	62	51	69	84	------
27	61.02	61.47	63.24	60.70	60.80	62.06	25	23.6	29	31	27.1	25.4	32.8	23.5	90	88	71	62	74	87	------
28	61.01	61.73	62.97	60.53	60.31	61.95	25.1	24.2	29.7	32.2	28.8	26.1	33.8	23.8	87	91	70	53	65	83	------
29	60.97	61.32	62.77	60.73	61.24	62.21	25.2	24	29.8	32.3	27.6	26.2	33.7	23.7	86	89	68	54	73	79	------
30	61.40	61.71	62.74	60.80	60.41	61.96	25.7	24.8	29.6	31.8	28	26.2	23.2	24.2	82	89	69	52	69	79	------
31	61.25	61.05	62.65	60.92	61.01	62.38	25.8	25.1	29.3	29.1	24.2	25	32.4	23.1	81	84	70	67	90	88	6
Mean	60.83	61.25	62.54	60.22	60.26	61.75	24.7	23.6	29.6	31.2	27.2	25.3	32.8	23.2	85.8	89.3	67.5	57.7	74.4	84.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	17.2

Day.	Wind.											Clouds.						
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.			
												Amount.	Form and direction.		Amount.	Form and direction.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.	
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*			
1	NE	NE	NE	NE	Calm	NE	46.1	62.5	57.1	46.9	212.6	4	Ci.	N.-cf. NE	2	Ci.	Cu.	NE
2	NE	NE	NE	NE	NE	N	33.6	53.6	60.4	26.9	174.5	7	Ci.	Cu. NE	7	Ci.	Fr.-Cu.	NE
3	NE	NE	NE	NE	N	ENE	41.8	50.5	56.8	40.2	189.3	9	Ci.-S.	Fr.-N. NE	7	Ci.-S.	Cu.	E
4	NE	NE	NE	E	Calm	NE	38.6	70.3	56.5	30.1	195.5	2	Ci.	Cu. NE	4	Ci.	Cu.	
5	NE	ENE	NE	NE	NE	Calm	49.3	58.7	54.5	30.3	192.8	4	Ci.	Cu. NE	3	Ci.	Cu.	NE
6	NE	Calm	NE	E	NE	NE	28.5	54.2	60.2	23.3	166.2	7	Ci.	N.	7	Ci.	Cu.	E
7	NE	NE	NE	NE	NE	Calm	35.1	70.5	68.6	18.3	192.5	9	Ci.-S.	N. NE	6	Ci.	Cu.	NE
8	NE	E	NE	E	Calm	NE	23.9	72.9	74.5	19.9	191.2	7	Ci.	Cu. E	2	------	Cu.	
9	NE	Calm	E	NE	NE	NE	13.4	56.3	72.4	24.9	167	2	Ci.	------	1	Ci.	------	
10	NE	NE	NE	NE	NE	ENE	37.8	62.5	64.6	16.1	181	7	Ci.	S.	3	Ci.	Cu.	
11	Calm	Calm	NE	NE	NE	SSE	4.3	36.2	60.6	6.4	107.5	8	Ci.	Cu. NE	1	Ci.	Cu.	
12	Calm	Calm	NE	NE	Calm	Calm	3.5	36.7	57.4	3.5	101.1	8	Ci.	N.-cf. NE	2	Ci.	Cu.	
13	Calm	Calm	NE	NE	Calm	Calm	3.4	37.6	53.4	2.7	97.1	8	Ci.	N.-cf. NE	2	Ci.	Cu.	
14	Calm	Calm	ENE	ENE	E	E	2.2	51.7	69.5	15	138.4	9	Ci.-S.	N. NE	6	Ci.	Cu.	
15	Calm	Calm	E	E	Calm	E	7.5	55.2	60.2	13.7	136.6	8	Ci.	Cu. NE	7	Ci.-S.	Cu.	
16	SE	Calm	ENE	ENE	Calm	S	21.7	55.3	58.5	4.3	139.8	8	Ci.	Cu. E	6	Ci.	Cu.	
17	Calm	SE	NE	NE	Calm	NE	19.1	59.5	58.2	30.8	167.6	8	Ci.	N. E	4	Ci.	Cu.	NE
18	NE	ENE	NE	NE	NE	NE	75.1	76.7	74.2	42.4	268.4	4	Ci.	Cu. E	1	Ci.	------	
19	ENE	ESE	E	NE	N	NE	40.7	60.4	52.8	38	191.9	7	Ci.	Cu. E	5	Ci.	Cu.	
20	E	E	E	E	NE	Calm	43.3	70.3	66.5	11.8	191.9	7	Ci.	N.-cf. E	2	Ci.	Cu.	E
21	NE	ENE	ENE	E	NE	NE	37.2	66.6	79.5	42.9	226.2	8	Ci.	N.-cf. NE	8	Ci.-S. E	Cu.	E
22	NE	NE	ENE	NE	NNE	NE	33.6	76.7	55	46.5	211.8	8	Ci.-S.	N.-cf. NE	8	Ci.-S.	Cu.	NE
23	NE	NE	NE	E	Calm	NE	45.3	62.8	63.9	29.6	201.6	10	Ci.-S.	N. NE	7	Ci.-S.	Cu.	E
24	Calm	WSW	NE	NE	Calm	Calm	17.9	50.4	61.8	6.6	136.7	8	Ci.	N. E	3	Ci.	Cu.	
25	E	SE	NE	NE	Calm	NE	47.5	76.1	79.7	43.1	246.4	7	Ci.	Cu.	2	Ci.	Cu.	
26	NE	NE	NE	NE	Calm	NE	28.2	74.5	79.2	38.3	220.2	6	Ci.	N.-cf. NE	2	Ci.	Cu.	
27	NE	ENE	ENE	NE	NE	NE	46.4	66.3	73.4	35.7	221.8	6	Ci.	Cu. NE	2	Ci.	Cu.	
28	ENE	E	NE	E	NE	NE	38.3	66.6	70.6	30.4	205.9	2	------	Cu. E	1	------	Cu.	E
29	NE	E	NE	NE	NE	NE	34.4	67.6	83.9	46.5	232.4	6	------	N.-cf. E	3	------	Cu.	NE
30	NE	NE	ENE	E	Calm	NE	37	86.3	78.1	44.9	246.3	5	------	N.-cf. NE	1	------	Cu.	
31	NE	NE	NE	E	Calm	NE	62.5	83.4	54.5	41.3	241.7	8	Ci.-S.	N.-cf. E	10	Ci.-S.	N.	E
Mean	------	------	------	------	------	------	32.2	62.2	65	27.5	186.9	6.7	------	------	4	------	------	
Total	------	------	------	------	------	------	------	------	------	------	5.793.9	------	------	------	------	------	------	

CAPIZ.

[ϕ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6 meters; gravity correction not applied, —1.81 mm.]

APRIL, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	61.17	61.48	62.50	59.95	59.84	61.38	24	22.9	29.4	29.7	26.8	25.9	32.2	22.3	92	94	72	70	86	80	------
2	60.55	61.43	62.26	60.15	60.52	62.07	25	24	29.2	29.9	27	25.3	32.3	23.7	83	89	70	66	80	84	------
3	60.82	61.21	62.34	60.24	59.94	61.32	25.4	24.7	28.8	29.9	26.6	26.1	32.5	24.5	83	87	71	67	80	76	------
4	60.21	60.72	61.86	59.43	59.10	60.92	25.2	24	29.8	31.6	27.6	26.7	33.4	23.9	82	91	69	59	79	85	------
5	59.92	59.95	61.22	59.51	59.14	60.81	25.8	24.5	30.1	31.7	27.6	24.8	33.7	24.3	85	89	68	57	80	91	------
6	60.38	60.51	61.52	59.59	59.41	61.20	24.5	24.2	30	30	27.5	26.5	32.9	23.6	91	91	71	68	79	83	------
7	60.31	60.96	61.96	59.36	59.81	61.57	25.8	24.6	30.9	31.5	27.5	25.2	33.3	24.4	87	95	62	64	76	87	------
8	60.25	60.73	62.01	59.80	59.86	61.76	24.8	22.6	30.4	31	27.7	24.8	33	22.5	87	97	66	63	75	88	------
9	60.46	61.37	61.81	60.03	60.22	61.85	24.3	23.9	31	32.1	28	26.1	33.6	23.5	90	95	69	64	79	90	------
10	60.82	61.33	62.84	60.89	61.30	62.58	26.7	24.8	30.8	31.5	27.2	25.5	33.7	24.4	86	92	71	64	84	88	------
11	61.75	62.33	63.05	60.89	61	63.22	25.2	25	30.3	31.1	28.9	25.4	33.4	24.7	91	92	70	62	73	93	7.9
12	62.91	62.82	63.57	61.88	61.76	63.62	24.2	24.4	29.6	31	27.5	25.1	33.2	23.7	96	95	66	56	72	88	------
13	62.98	63.33	64.21	61.98	61.96	63.42	24.9	24.2	29.5	29.8	28.1	26.7	33.1	24	87	87	71	64	77	86	------
14	62.92	63.15	63.84	61.21	60.91	62.30	25.2	24.7	31	31.4	28.5	27.1	33.6	24	90	92	69	59	71	78	------
15	61.38	61.46	62.40	59.93	60.07	61.85	25.2	23.7	31	31.7	27.6	26.5	33.8	23.6	89	91	67	56	79	80	------
16	60.55	61.18	62.31	59.88	60.27	61.92	25.5	24.4	30.5	33.2	27.3	25.1	34.5	24.2	86	90	67	46	75	88	------
17	60.41	61.49	62.10	60.01	60.19	61.98	25.5	24.8	30.4	32.1	27.5	24.7	34	24.3	85	89	66	50	76	79	------
18	61.18	61.26	62.21	59.79	59.52	61.31	25	23.5	30.5	32.1	27.8	25.2	33.9	23.4	80	94	66	56	79	92	------
19	60.95	60.68	61.90	59.45	58.86	60.91	25.1	25.1	30.3	33	28.5	25.6	34.5	24.6	92	92	71	59	78	90	------
20	60.26	59.86	61.53	59.39	58.94	60.76	26	25.7	30.9	33.6	28.8	27.1	34.8	25.5	90	92	71	53	76	82	------
21	59.90	59.96	60.85	59.20	58.86	60.59	26	25.1	31.2	33.2	28.6	26.7	34.8	24.7	86	87	65	53	77	82	------
22	59.86	59.77	60.68	58.62	58.57	60.50	26.8	26.7	31	32	28.8	27.4	35	26.2	82	87	69	69	83	79	------
23	59.37	59.77	59.94	58.07	58.87	60.34	26	25	31.7	33.6	28.5	27.2	35.3	24.6	85	89	62	53	78	81	------
24	59.05	59.70	60.09	58.17	58.52	60.07	26.8	24.9	31	32.7	27.8	25.2	34.4	24.6	80	92	66	47	70	86	------
25	58.79	59.19	60.05	58.37	58.37	59.90	25.4	24.7	31.7	32.7	28.6	25.8	34.6	24.4	84	89	62	57	75	89	------
26	59.05	59.85	60.89	58.44	58.47	60.30	25.8	25.1	31.5	31.3	28.4	26.5	34.4	24.6	88	87	60	65	75	86	------
27	59.61	59.97	61.50	59.26	59.27	60.69	25.7	25.6	27.5	28.1	27.9	27.4	31.7	25.3	87	87	84	81	83	86	.5
28	59.46	59.53	60.80	58.49	58.39	59.96	26	25.8	31.2	31.6	28.6	27.3	33.8	25.5	95	93	71	70	84	87	------
29	58.93	59.03	60.03	57.09	57.27	59.23	26.8	26.5	32	33	29.3	27.7	34.8	25.8	87	88	66	55	69	83	------
30	57.48	57.90	58.98	56.78	56.61	58.53	26.5	25.7	31.6	32.1	28.5	25	34.7	24.8	88	92	62	57	71	87	------
Mean	60.39	60.73	61.71	59.53	59.53	61.23	25.5	24.7	30.5	31.6	28	26.1	33.8	24.3	87.1	90.8	68	60.3	77.3	85.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	8.4

Day.	Wind. Direction.						Wind. Total movement in 6 hours.				Wind. Total movement in 24 hours.	Clouds. 6 a. m.			Clouds. 2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	Calm	NE	NE	Calm	NE	26	69	48.1	43.1	186.2	3	----------	Cu. NE	2	----------	Cu. E
2	NE	NE	NE	NE	Calm	NE	49.1	58.9	44	30.4	182.4	4	----------	Cu. NE	2	----------	Cu.
3	NE	NE	NE	NE	Calm	NE	48.1	71.1	53.1	37.8	210.1	8	Ci.	N.-cf. NE	6	Ci.-S.	Cu. NE
4	NE	Calm	NE	NE	Calm	NE	46.9	61.4	58.5	28.8	195.6	8	Ci.-S.	N.-cf. NE	2	Ci.	Fr.-Cu. NE
5	NE	NE	NE	NE	NE	Calm	31.4	59.2	57.1	2.4	150.1	8	Ci.	N.-cf. NE	1	----------	Cu.
6	Calm	ENE	NE	N	Calm	Calm	2.1	42.1	46.9	7.8	98.9	8	Ci.	Cu. NE	3	Ci.	Cu.
7	Calm	Calm	NNE	N	Calm	Calm	6.9	44.6	50.2	5.4	107.1	8	Ci.	N.-cf. NE	2	Ci.	Cu.
8	Calm	Calm	NE	NW	Calm	Calm	4.2	39.6	52.5	6.4	102.7	4	Ci.	Cu. NE	0	----------	
9	Calm	Calm	N	NNE	Calm	Calm	5	35.9	56.6	4.2	101.7	8	Ci.	N.-cf. NE	4	Ci.	Cu.
10	NE	NE	NNE	NNW	Calm	Calm	21.4	62.6	52	8.9	144.9	4	Ci.	Cu. NE	2	----------	Cu.
11	Calm	Calm	NNE	N	Calm	ENE	12.6	48.9	54.4	55.8	171.7	8	Ci.	Cu. NE	8	Ci.-S. NE	Cu. NE
12	Calm	Calm	NE	E	Calm	Calm	16.6	59.8	68.6	23	168	7	Ci.-S.	N.-cf. NE	3	Ci.	Cu. E
13	NE	Calm	ENE	E	NE	NE	35.7	75.8	84.3	55	250.8	7	Ci.	N.-cf. E	8	Ci.-S. E	Cu. E
14	ENE	ENE	E	E	NE	NE	26.2	75.8	87.9	52.1	242	7	----------	N.-cf. ENE	8	Ci.-S.	Cu. E
15	E	Calm	NE	NE	NE	NE	33.5	62.8	66.8	38.4	201.5	2	----------	Cu. E	3	----------	Cu.
16	NE	E	NE	NE	Calm	Calm	37.5	62.3	65.4	5.9	171.1	7	----------	N.-cf. E	1	----------	Cu.
17	NE	NE	NE	NE	Calm	Calm	36.8	68.4	68.7	9.4	183.3	3	Ci.	Cu. E	1	----------	Cu.
18	Calm	Calm	NE	N	Calm	Calm	24.3	47	63.9	4.2	139.4	3	----------	Cu. E	1	Ci.	Cu.
19	Calm	NE	NE	E	Calm	Calm	23.6	63.6	69.5	9.1	165.8	7	----------	N.-cf. NE	1	----------	Cu.
20	NE	NE	NE	E	Calm	NE	40.5	71.6	77	44.1	233.2	4	----------	Cu. NE	1	----------	Cu.
21	NE	NE	NE	NE	Calm	NE	44.1	71.8	59	29.6	204.5	2	Ci.	Cu.	1	----------	Cu. E
22	NE	NE	NE	NE	Calm	NE	56.9	71.3	57.4	53.1	238.7	8	Ci.-S.	N. NE	2	----------	Cu. NE
23	NE	NE	E	NE	Calm	NE	44.8	71.9	67.8	26.4	210.9	1	----------	Cu. NE	1	----------	Cu.
24	NE	Calm	ENE	E	Calm	Calm	27.4	64.9	77.7	17.5	187.5	8	Ci.	N. E	1	----------	Cu.
25	NE	ENE	ENE	NE	NE	Calm	46.9	77	72.7	20.6	217.2	7	----------	Cu. ENE	1	----------	Cu.
26	NE	SE	NE	NE	Calm	Calm	48.5	61.7	44.8	11.1	166.1	1	----------	Cu.	1	----------	Cu. E
27	NE	Calm	N	E	Calm	NE	20.9	39.1	40.2	21.4	121.6	8	Ci.-S.	N. NE	8	Ci.-S.	Cu. NE
28	Calm	NE	NE	NE	Calm	ENE	19.6	58.1	67.6	32.2	177.5	8	Ci.-S.	N. NE	2	Ci.	
29	NE	Calm	NE	E	ENE	ENE	38.6	74.8	92.5	28.2	234.1	8	Ci.-S.	N. E	5	Ci.	Cu.
30	Calm	Calm	NE	NE	NE	Calm	11.6	67.3	72.6	6.7	158.2	7	Ci.	Cu. SE	1	----------	Cu.
Mean	------	------	------	------	------	------	29.6	61.3	62.6	24	177.4	5.9	----------	----------	2.7	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	5,322.8	----	----------	----------	----	----------	----------

CAPIZ.

[$\phi = 11° 35'$ N; $\lambda = 122° 45'$ E; barometer above sea, 6 meters; gravity correction not applied, −1.81 mm.]

MAY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.99	58.25	58.90	56.53	56.71	58.77	24.8	24.5	33.1	32.7	27.5	24.8	34.8	23.7	87	95	58	57	78	88	
2	58.27	58.65	59.31	57.48	57.51	59.92	24	23.5	31.7	33.3	28.7	27.1	35.3	23.2	91	87	68	52	77	87	
3	59.80	60.05	60.63	59.10	59.75	61.20	27.4	27.1	31.3	32.7	28.6	26.6	34.4	25.4	84	85	66	60	80	91	
4	60.66	60.76	61.59	59.39	59.04	60.16	24.8	25.7	32	33.5	28.7	25.3	35	24.2	93	89	58	48	70	86	
5	59.70	59.89	60.63	58.49	58.54	59.37	24	23.5	31.4	32.4	28.2	24.7	33.9	23.3	91	94	66	52	76	88	
6	58.99	59.39	59.59	57.43	57.92	59.07	22.7	21.7	31.8	32.9	28.4	24.6	34.8	21.1	94	96	65	54	71	85	
7	58.99	59.57	59.81	57.78	57.97	59.42	23	21.9	31.9	33.4	28.7	25.7	35.5	21.7	93	96	64	50	73	79	
8	58.93	59.53	60.18	57.97	58.51	59.51	24	23.6	32.2	33	29.2	27.2	35.2	23.1	90	90	66	61	74	87	
9	58.19	58.79	59.44	57.23	57.58	59.32	25.5	24	31.8	33.8	30.6	26	35.4	24	95	96	66	54	62	84	
10	59.09	59.50	60.39	58.27	59.19	60.64	25.9	25.3	32.2	33.7	29.2	28.2	35.3	24.8	84	90	65	49	67	74	
11	59.99	60.46	60.76	58.63	58.56	60.42	27.5	27	32.5	32.5	29	26.9	34.5	26.4	79	84	65	58	73	86	
12	59.25	59.63	59.78	57.78	58.37	59.18	26.4	25.3	32.1	33.1	28.5	26	35	25.1	87	93	58	50	67	79	
13	58.87	59.04	59.39	57.07	57.39	58.91	24.5	23.5	33	33.1	29.8	26	35.2	23.4	87	92	66	60	71	85	
14	58.14	58.73	59.46	57.63	57.96	59.27	25	24	32.7	33.4	30	27	35.3	23.4	90	92	61	62	74	84	
15	58.59	58.87	59.93	57.72	57.96	59.37	25.4	24.5	32	33.6	29.7	27.4	34.9	24	89	92	69	62	79	88	
16	58.48	58.73	59.48	57.44	57.40	59.18	25.5	25	32.7	33.2	30.5	28.2	35.3	24.8	88	83	67	66	76	87	
17	58.21	58.67	59.65	57.21	57.79	59.19	25.5	24.4	33.1	34.4	30.4	28	35.8	24.2	93	93	66	55	72	79	
18	58.80	58.60	59.65	57.96	58.08	59.40	26	25	32.8	34.7	30.5	28.1	36.1	24.8	92	92	64	54	72	84	
19	58.84	58.86	59.12	57.60	57.49	58.50	28.1	27.7	33.7	35.4	30.5	27.2	36.4	27.1	84	87	60	46	73	84	
20	58.06	58.12	58.42	56.01	56.70	58.12	27	26.9	33.1	34.6	29.5	27	36.4	26.4	84	90	60	50	72	83	
21	57.68	58.39	58.93	56.91	57.85	59.36	26	25	33	34	28	26.3	35.8	24.5	87	92	70	64	76	85	
22	58.43	58.63	58.10	57.15	57.76	59.01	25	24.4	31.8	34	29.5	26.8	35.9	23.9	92	92	72	62	79	90	
23	58.20	58.74	59.12	57.32	57.45	59.37	26.4	25	33.4	33	29.6	27	35.8	24.5	90	95	65	64	79	89	
24	58.13	58.35	58.55	56.16	56.80	58.45	25.8	25	33.2	34	30.4	27.7	35.8	24.8	94	92	63	59	73	87	
25	57.65	57.66	57.94	55.38	56.32	57.63	26.4	26	32.7	33.7	30	26.8	35.4	25.6	87	89	66	64	76	86	
26	56.97	57.34	57.98	55.73	56.69	58.34	25.5	25	32.1	34	30.1	28.2	36	25	92	92	68	61	75	78	
27	57.17	57.58	58.10	55.99	57.32	59.13	25.5	26.6	31.5	32.4	30.5	27.5	34.3	25.3	90	89	66	66	72	81	11
28	58.33	58.48	59.35	57.45	57.67	59.94	24	24.2	29	31.1	29	26.8	33.7	24	87	90	79	71	81	91	
29	59.08	59.30	59.65	57.29	57.42	59.27	26	25.8	33.1	33.3	29.7	27.3	35.8	25.1	93	93	67	62	77	89	22.1
30	58.92	58.90	59.51	57.36	57.25	58.96	24.7	25.3	32	33.4	30	26.7	34.9	23.1	97	96	74	68	81	90	
31	58.39	58.50	59.39	57.99	57.89	59.27	25.5	25.2	30.8	31.4	28.6	26.4	34.5	24.5	92	90	77	64	73	85	1.5
Mean	58.61	58.90	59.44	57.37	57.77	59.28	25.4	24.9	32.2	33.3	29.4	26.8	35.2	24.3	89.5	91.2	66	58.2	74.2	85.1	
Total																					34.6

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	NE	NE	Calm	Calm	5.4	54.4	61.4	6.6	127.8	4	Ci.	Cu.	1		Cu.
2	Calm	Calm	NE	NE	Calm	N	5.1	56.9	70.2	26	158.2	4		Cu.-N. NE	2	Ci.	Cu.
3	ENE	ENE	ENE	NE	Calm	Calm	52.8	78.4	55.2	8	194.4	9	Ci.-S.	N. ENE	6	Ci.-Cu.	Cu. NE
4	Calm	Calm	NE	NE	Calm	Calm	8.9	64.1	42.6	3.5	119.1	8	Ci.-S.	Fr.-N. NE	7	Ci.	Cu.
5	Calm	Calm	NE	NE	Calm	Calm	4.6	42.1	52.6	3.5	102.8	8	Ci.	Cu.	7	Ci.	Cu.
6	Calm	Calm	NE	NE	Calm	Calm	5.4	35.6	53.6	3.8	98.4	6	Ci.	S.	3	Ci.	Cu.
7	Calm	Calm	NNE	NE	Calm	Calm	6.9	33.3	56.3	6.1	102.6	7	Ci.	S.	6	Ci.	Cu.
8	Calm	Calm	NE	NE	Calm	Calm	3.4	37.8	59.3	19.5	120	6	Ci.-Cu.	S.	1		Cu.
9	Calm	Calm	NE	E	Calm	Calm	2.6	51.5	73.2	13.2	140.5	4	Ci.	Cu.-N. NE	2	Ci.	Cu.
10	NE	Calm	NE	NE	NE	E	12.1	61.4	73.8	51.8	199.1	6	Ci.	Cu.	2	Ci.	Cu.
11	ENE	E	NE	E	NE	NE	42.3	65.5	71.4	15.3	194.5	8	Ci.	Cu. E	1		Cu.
12	SSE	ESE	NE	NE	NNW	Calm	15.1	56.9	58.2	5.4	135.6	3	Ci.	Cu. E	2	Ci.	Cu.
13	Calm	Calm	NE	NE	Calm	Calm	2.4	38.9	54.9	2.6	98.8	2	Ci.	Cu.	2	Ci.	Cu.
14	Calm	Calm	NE	NE	Calm	Calm	3.7	42.4	63.9	4.2	114.2	1	Ci.	Cu.	2	Ci.	Cu.
15	Calm	Calm	NNW	NE	Calm	Calm	5	35.6	57.9	5.8	104.3	6	Ci.	Cu.	4	Ci.	Cu.
16	Calm	Calm	N	NNE	Calm	Calm	2.6	36.5	54.1	3.2	96.4	6	Ci.	Cu.	6	Ci.	Cu.-N.
17	Calm	Calm	NE	NE	Calm	Calm	4	34.8	61.5	6.7	107	8	Ci.	S.	4	Ci.	Cu.
18	Calm	Calm	NE	NE	Calm	Calm	4.8	44.9	73.4	14.3	137.4	8	Ci.	Cu. NE	4	Ci.	Cu.-N.
19	NE	E	NE	E	Calm	Calm	43.3					5	Ci.	Cu. E	1	Ci.	Cu.
20	Calm	Calm	NE	NE	NE	Calm						6	Ci.	Cu. NE	1		Cu.
21	Calm	Calm	NE	NE	Calm	Calm						8	Ci.	Cu.	7	Ci.-S.	Cu. NE
22	Calm	Calm	NE	NE	Calm	Calm						8	Ci.	Cu.	8	Ci.-S.	N.
23	Calm	Calm	NE	NE	Calm	Calm						8	Ci.	Cu.	7	Ci.	Cu.
24	Calm	S	NE	NE	Calm	Calm						3	Ci.	Cu. E	4	Ci.	Cu.
25	Calm	Calm	N	NE	Calm	Calm						7	Ci.-S.	Cu. NE	8	Ci.-S.	Cu.-N.
26	Calm	SE	NW	NE	Calm	Calm						5	Ci.	Cu.-N.	4	Ci.	Cu. NE
27	SSE	S	S	NE	Calm	Calm						8	Ci.-S.	N.	8	Ci.-S.	Cu.
28	Calm	SE	NE	NE	Calm	S						10	Ci.-S.	N.	8	Ci.-S.	N. NE
29	Calm	SW	NE	NE	N	Calm						7	Ci.	Cu.	4	Ci.-S.	N.
30	SSW	Calm	N	NE	Calm	Calm						5	Ci.	Cu.	6	Ci.-S.	Cu.
31	Calm	Calm	NW	S	Calm	Calm						8	Ci.-S.	N. NE	9	Ci.-S.	N. S
Mean							12.1	48.4	60.8	11.1	130.6	6.2			4.4		

CAPIZ.

[$\phi = 11°\ 35'$ N; $\lambda = 122°\ 45'$ E; barometer above sea, 6 meters; gravity correction not applied, —1.81 mm.]

JUNE, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.20	58.68	59	57.47	57.17	58.91	25.1	24.9	32.7	34.6	30.7	28	36	24.3	93	94	68	59	70	84	------
2	58.77	59.32	59.98	58.07	57.88	59.31	27.9	27.7	33.3	34.3	30.6	28.2	35.7	27.2	84	90	64	57	64	91	------
3	58.85	58.96	59.54	57.95	58.03	58.70	27.8	27.3	33.3	34.2	30.7	28.5	35.5	27	89	87	66	58	69	84	------
4	57.96	58.26	58.13	56.23	56.79	58.11	27.2	26.5	33.7	34.2	30.2	27.5	36	26.2	90	92	63	58	76	85	------
5	57.89	58.40	58.74	56.44	56.94	58.72	26	25.8	29.4	33.5	25.6	24.6	35.7	24.4	92	92	84	60	94	97	4.9
6	58.34	58.67	58.90	56.80	55.99	58.74	24.6	25	32	31	30.4	28	34.8	24.4	97	96	70	70	76	87	------
7	57.97	58.40	58.92	55.98	56.39	58.36	26.5	25.6	30.1	33	30.5	27.6	34.8	25.2	94	94	77	64	72	85	.3
8	57.59	58.02	58.83	56.71	57.26	59.34	25.8	25.2	29.8	33.7	27.5	25.5	35.3	24.8	93	94	79	61	76	86	------
9	58.27	58.53	58.38	56.65	57.81	59.32	24.7	24.5	32.3	33.7	28.2	25.7	35.8	24	92	92	64	60	70	85	------
10	58.77	59.04	59.80	56.92	57.10	59.71	25.5	25.3	30	30.6	29.4	26.8	34.2	24.7	87	89	71	74	79	89	------
11	58.12	58.77	59.46	58.61	57.71	59.98	26	25.6	27	28.6	27.3	25.7	29.9	25	94	95	95	84	81	93	3.8
12	58.27	58.82	59.60	58.05	57.75	59.42	24.8	24.6	31.3	29.4	24.9	25.2	33.7	23.8	98	97	67	80	97	89	17.3
13	58.73	59.14	59.91	58.81	57.97	60.42	24.5	24.5	30.5	27	26.4	25.6	32.5	23.3	98	98	72	91	92	96	7.1
14	59.02	58.87	59.85	57.13	57.30	59.52	25.3	25.1	31.5	31.7	29.7	25.6	33.3	24.8	95	92	67	72	80	95	2.5
15	58.64	58.33	58.69	56.39	56.35	58.47	24.8	24.5	31.7	32.7	31	28.7	34.8	24.3	97	96	66	67	75	84	------
16	57.42	57.27	57.89	55.87	56	57.62	26.8	25.8	31.4	33	30.4	26.5	35.5	25.6	91	93	67	67	74	82	------
17	56.98	56.84	57.02	55.29	57.02	57.73	26.4	26.2	32.7	33.2	24.3	24	34.2	23.2	83	86	63	62	97	96	37.8
18	57.13	57.12	58	56.12	56.96	58.20	24	25.1	31.5	27.4	25.5	25.2	34	23.4	96	96	68	89	98	97	36.3
19	57.88	58.12	57.51	55.67	56.36	58.30	25.1	25.1	31.7	30.2	25.7	25.1	33.9	24	96	95	66	82	94	95	6.2
20	57.59	57.82	57.24	55.59	56.61	57.98	25	25.2	29.6	31.1	26.7	25.8	33.1	24.1	95	96	77	74	94	95	12.4
21	57.50	57.05	57.75	56.02	56.60	58.36	25.7	25.6	30.6	31	29.5	26.7	33.9	24.9	94	93	70	71	84	86	.5
22	58.34	58.39	58.33	56.47	57.09	58.65	26	25.6	28.8	31.6	29.4	27.7	34.3	24.5	91	95	78	73	81	91	3
23	58	58.15	58.67	56.73	56.75	58.63	24.8	25.2	30.7	32.4	29.8	27.5	33.8	24.2	93	95	76	70	79	92	------
24	57.83	58.04	58.35	56.16	56.55	58.64	26.2	25.4	31.8	33	29.5	26.9	34.4	25.1	97	98	69	64	75	88	15.7
25	57.10	57.99	58.61	56.17	56.70	58.87	27	23.7	29.8	31.9	29.5	26.8	33.8	23	87	96	82	69	75	91	------
26	57.92	58.12	58.56	56.74	57.23	59.26	25.2	25	30.4	32.4	29.4	26.5	33.9	24.7	95	95	72	70	78	86	.8
27	58.03	58.45	58.55	56.28	56.67	58.62	26	25.6	30.6	32.6	27.7	26.5	34	25.3	89	89	70	69	88	93	3.8
28	57.62	57.78	58.11	55.65	56.06	58.07	25	24.7	31.1	34.1	27.2	26	35.5	24.4	93	94	69	53	90	89	2.3
29	57.52	57.57	58.17	56	56.67	58.89	25.2	24.9	31.2	31.7	28.9	25.6	33.2	24.7	94	94	68	70	86	88	4.8
30	58.09	57.88	58.70	57.59	57.19	58.62	24.8	23.9	28.9	31.5	30	26.9	34.2	23.7	92	97	83	67	75	90	------
Mean	58.01	58.23	58.64	56.69	56.96	58.78	25.7	25.3	31	32	28.6	26.5	34.3	24.6	92.6	93.7	71.7	68.8	81.3	89.6	------
Total	-------	-------	-------	-------	-------	-------	------	------	------	------	------	------	------	------	-----	-----	-----	-----	-----	-----	159.5

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	Calm	----	SE	1	NE	1	NE	1	NE	1	NE	1	8	Ci.	Cu.	4	Ci.	Cu.	
2	Calm	----	ENE	1	E	1	NE	2	NE	1	NE	1	7	Ci.	Cu. ENE	3	Ci.	Cu.	
3	Calm	----	Calm	----	NE	1	NE	1	NE	1	E	1	8	Ci.	Cu NE	3	Ci.	Cu.	
4	Calm	----	Calm	----	NE	1	NE	2	Calm	----	NE	1	8	Ci.	Cu NE	4	Ci.	Cu.	
5	Calm	----	Calm	----	N	1	NNE	1	S	1	S	1	7	Ci.	Cu.-N.	5	Ci.	Cu.	
6	Calm	----	Calm	----	NE	1	NE	1	NE	1	Calm	----	5	Ci.	Cu.	8	Ci.-S.	Cu.	
7	Calm	----	NE	1	N	1	NE	1	Calm	----	Calm	----	9	Ci.-S.	Fr.-N. NE	6	Ci.	Cu.	
8	Calm	----	Calm	----	N	1	N	1	Calm	----	Calm	----	4	Ci.	Cu.	4	Ci.	Cu.	
9	Calm	----	Calm	----	SE	1	NE	1	SW	1	Calm	----	4	Ci.	Cu.	8	Ci.-S.	N. NE	
10	SW	1	SSW	1	NW	1	N	1	N	1	Calm	----	9	Ci.-S.	N.	8	Ci.-S.	N.	
11	Calm	----	Calm	----	E	1	Calm	----	Calm	----	Calm	----	10	Ci.-S.	N.	10	Ci.-S.	N. E	
12	Calm	----	Calm	----	SE	1	NNW	1	Calm	----	Calm	----	8	Ci.-S.	N. NE	10	Ci.-S.	N. NW	
13	Calm	----	Calm	----	SW	1	S	1	Calm	----	Calm	----	7	Ci.	Cu.	9	Ci.-S.	N. S	
14	Calm	----	SE	1	SE	1	SE	1	Calm	----	Calm	----	6	Ci.	N.	8	Ci.-S.	Cu.-N. SE	
15	Calm	----	SSE	1	E	1	NE	1	NE	1	Calm	----	3	Ci.	Cu.	7	Ci.	Fr.-Cu. NE	
16	Calm	----	Calm	----	SE	1	NE	1	Calm	----	Calm	----	8	Ci.	Cu.	7	Ci.	Cu.-N. NE	
17	Calm	----	Calm	----	S	1	N	1	S	1	Calm	----	9	Ci.-S.	N.	8	Ci.-S.	Cu.-N. SE	
18	S	1	SSE	1	S	1	NNW	1	Calm	----	Calm	----	7	A.-Cu.	Cu.	9	Ci.-S.	N. S	
19	SW	1	S	1	SW	1	NW	1	SW	1	Calm	----	8	Ci.	Cu.	10	Ci.-S.	N. NW	
20	S	1	S	1	S	1	N	1	SE	1	Calm	----	8	Ci.-S.	Cu.	9	Ci.-S.	Fr.-N. SW	
21	SW	1	W	1	SW	1	S	2	NE	1	SSW	1	5	Ci.	Cu.	8	Ci.-S.	N. S	
22	Calm	----	SE	1	S	1	NE	1	Calm	----	Calm	----	10	Ci.-S.	N.	8	Ci.-S.	Cu. SE	
23	Calm	----	Calm	----	S	1	NE	1	N	1	Calm	----	8	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N. SE	
24	Calm	----	SSE	1	NNE	1	NE	1	Calm	----	Calm	----	8	Ci.-S.	Cu.	5	Ci.-S.	Cu. SE	
25	S	1	S	1	N	1	N	1	S	1	Calm	----	7	Ci.-S.	N.-cf. E	4	Ci.	Cu. SE	
26	Calm	----	SW	1	N	1	NE	1	NW	1	Calm	----	4	Ci.	Cu.	7	Ci.	Cu.-N. E	
27	S	1	S	2	S	1	N	1	Calm	----	S	1	9	Ci.-S.	N.	8	Ci.-S.	N. SE	
28	Calm	----	E	1	S	1	NW	1	S	1	S	1	3	Ci.	Cu.	6	Ci.	Cu. S	
29	Calm	----	Calm	----	Calm	----	SE	1	E	1	SW	1	9	Ci.-S.	N.	8	Ci.-S.	Fr.-Cu. S	
30	SW	1	Calm	----	Calm	----	SE	1	W	1	SW	1	8	Ci.	Cu.	6	Ci.	Cu.	
Mean	-------	0.3	-------	0.6	-------	0.9	-------	1.1	-------	0.6	-------	0.3	7.1	----------	----------	7	----------	----------	

CAPIZ.

[$\phi = 11° 35'$ N; $\lambda = 122° 45'$ E; barometer above sea, 6 meters; gravity correction not applied, −1.81 mm.]

JULY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.83	58.03	58.55	56.38	56.19	58.72	26.1	25.3	30.5	31.6	29.9	27	33.4	25	93	95	73	72	76	83	6.6
2	57.92	58.27	58.22	57.43	56.83	58.80	25.2	25	27.7	25.9	26.5	25.2	30.2	24.8	98	98	92	96	91	98	12.2
3	58.09	58.49	58.72	56.99	58.38	59.09	24.5	24.1	28.7	30.9	25.2	24.3	32.3	23.5	97	98	82	72	92	94	1.1
4	59.03	59.40	59.89	58.69	58.72	59.83	24.1	24	28.9	28.1	25.4	24.8	32.5	23.7	96	96	78	81	96	98	23.7
5	59.79	59.64	59.37	57.36	57.93	58.84	24.4	24.2	28.8	30.7	26.2	24.2	31.9	23.7	98	99	79	74	93	98	1.8
6	58.66	58.26	58.56	56.85	56.87	58.62	23.8	23.4	29.5	30.6	29	26.5	32.4	23.1	97	97	80	75	81	93	1.1
7	57.24	57.66	58	55.38	56.22	57.16	25	24.3	29.3	31.7	28.5	26	33.2	24	94	97	76	69	81	94	37.3
8	57.45	57.29	57.81	55.80	56.57	57.86	23.9	24.1	27	28.4	27.1	23.5	30.9	23.3	97	97	86	82	91	98	46.1
9	56.45	56.81	57.76	55.82	57.73	59.11	23.2	23	28.1	28.8	23.6	23.3	30.5	22.6	98	99	80	83	98	97	74.5
10	57.21	57.51	58.37	56.36	57.99	59.94	23	23.2	28.8	28.4	26.3	23.5	32.3	22.4	98	98	82	85	83	97	7.9
11	58.15	58.40	58.90	57.04	57.07	58.98	23.6	23.1	28.7	30.1	28.7	26.3	32.2	23.1	97	99	79	84	84	94	3.3
12	57.94	57.92	58.50	56.40	56.46	58.71	25.3	24.8	28.8	31.1	28.6	26.6	32.8	24.6	98	98	82	67	80	91	35.3
13	57.42	57.60	57.98	56.20	55.79	57.66	25.2	24	27.5	31	28.7	27.2	32.5	23.7	94	97	92	75	83	87	8.4
14	56.80	56.68	58.48	57.36	56.57	59.14	25.4	24.9	26.9	27	26.7	25.8	28.3	24.7	97	98	97	92	94	98	8.3
15	58.17	57.98	58.45	56.57	57.43	58.82	25	25	28.7	28.5	26.5	25	31.4	24.5	98	98	84	81	93	98	4.5
16	57.57	58.63	58.82	57.21	57.32	58.34	24.7	24.5	28.3	28.4	27.3	26.1	30.8	24.4	98	98	85	85	84	93	2.1
17	57.27	57.63	58.08	56.35	56.35	57.79	25	24.6	26.2	28.9	28	25.2	30.8	24.4	98	97	95	80	81	97	5.6
18	56.65	56.85	56.68	55.21	55.48	56.92	24.2	24.3	27	28.5	25.6	25.1	29.8	23.9	98	97	85	77	94	94	2.6
19	55.52	55.40	55.86	54.81	55.10	57.12	24.8	23.9	29.6	27.1	25.5	24.7	31.2	23.6	95	97	75	91	96	92	13.8
20	56.14	55.23	56.31	54.69	55.72	57.09	23.8	24	29.2	31.1	27.3	25.8	32.8	23.5	95	95	73	66	76	84	------
21	56.09	56.29	56.86	55.13	56	58.41	24.5	23.8	30.4	30.7	28.4	26.6	33.4	23.7	83	92	66	66	77	83	2.8
22	58.09	56.90	57.26	56.10	57.28	58.09	23.4	24.6	28.8	30.9	24.9	25	32.8	23.1	90	91	76	61	92	96	10.2
23	56.07	56.45	57.24	55.39	56.76	58.52	24.8	24.2	30.5	31.3	26	24.5	33.1	23.5	93	95	72	67	84	92	------
24	57.36	57.28	57.43	56.74	56.55	58.87	24	23	30.2	30.6	29	26.8	33	22.6	92	96	73	71	71	83	------
25	57.90	58.30	58.40	56.88	56.58	59.28	25.4	23.5	30.5	32.7	29.5	27.3	34.2	22.9	88	91	63	62	70	72	------
26	57.90	57.33	59.34	56.93	56.54	57.91	25.5	24.1	26.1	30.2	28.5	26.8	32.7	23	84	93	91	73	78	89	25.4
27	56.56	56.03	56.26	54.67	55.09	56.33	24	24.5	28.7	29.5	26.4	24.5	31.9	23.8	97	97	85	78	89	96	12.4
28	55.16	55.39	56.72?	54.90	56.34	58.12	24.2	24	28.9	26.8	24.3	24.2	31.2	23.2	97	97	79	89	97	95	8.9
29	56.89	57.06	57.88	57.02	57.44	58.77	23.8	23.6	26.7	25.1	26.4	25	30.1	23.3	96	95	86	95	93	92	13.3
30	57.39	57.24	57.82	56.94	58.01	59.34	24	24.9	30.6	25.5	22.9	23.5	32.8	20.9	97	94	70	92	97	96	30.9
31	57.45	56.96	57.39	56.93	57.23	57.60	23.6	23	28.1	26.7	24.2	23.8	32.2	22.6	95	96	79	83	95	93	1.8
Mean	57.36	57.38	57.93	56.34	56.79	58.38	24.4	24.1	28.6	29.3	26.8	25.3	31.9	23.5	95	96.3	80.5	78.2	86.8	92.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	401.9

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.				2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.			Amount.	Form and direction.		
														Upper.	Lower.			Upper.	Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*				*0–10*			
1	Calm		Calm		Calm		N	1	NE	1	Calm		8	Ci.	Cu.		7	Ci.-S.	Cu.	SE
2	Calm		SW	1	Calm		Calm		SW	1	Calm		9	Ci.-S.	N.		10	Ci.-S.	N.	SE
3	Calm		Calm		NW	1	N	1	S	1	SE	1	9	Ci.-S.	N.		8	Ci.	Cu.	
4	Calm		S	1	NW	1	SE	1	Calm		Calm		9	Ci.-S.	N.		10	Ci.-S.	N.	
5	Calm		SE	1	Calm		NNE	1	SSE	1	Calm		8	Ci.	N.		6	Ci.	Cu.	
6	Calm		Calm		N	1	N	1	Calm		Calm		8	Ci.	N.		7	Ci.	Cu.	NE
7	Calm		Calm		N	1	NE	1	E	1	Calm		9	Ci.-S.	N.	E	8	Ci.-S.	Cu.	
8	Calm		Calm		Calm		N	1	SW	1	Calm		10	Ci.-S.	N.		9	Ci.-S.	N.	N
9	Calm		Calm		SE	1	N	1	S	1	Calm		10	Ci.-S.	N.		10	Ci.-S.	N.	
10	SW	1	Calm		S	1	E	1	SSW	1	Calm		9	Ci.-S.	N.		8	Ci.-S.	Cu.	SE
11	Calm		SW	1	SW	1	NNE	1	N	1	Calm		8	Ci.-S.	Cu.		8	Ci.	N.-cf.	E
12	Calm		S	1	NE	1	NE	1	N	1	Calm		8	Ci.-S.	N.	NE	4	Ci.	Cu.	
13	SW	1	W	1	Calm		NE	1	Calm		Calm		10		N.		7	Ci.	Cu.	NE
14	Calm		Calm		Calm		NW	1	Calm		Calm		9	Ci.-S.	N.		10	Ci.-S.	Fr.-N.	NW
15	Calm		Calm		Calm		SE	1	Calm		Calm		10		N.		10	Ci.-S.	N.	SE
16	Calm		Calm		Calm		Calm		NW	1	Calm		10	Ci.-S.	N.		9	Ci.-S.	Cu.	NW
17	Calm		S	1	Calm		NW	1	S	1	Calm		10	Ci.-S.	N.		9	Ci.-S.	Cu.	NW
18	S	1	Calm		S	1	Calm		Calm		Calm		9	Ci.-S.	N.	WW	10	Ci.-S.	N.	NW
19	Calm		Calm		SSE	1	ENE	1	Calm		SW	1	9	Ci.-S.	N.		10	Ci.-S.	N.	S
20	SW	1	SW	1	S	2	S	3	S	2	S	2	9	Ci.-S.	N.		9	Ci.-S.	N.	SW
21	SE	1	SW	1	SW	1	SW	1	SW	1	S	1	9	Ci.-S.	N.		9	Ci.-S.	N.	SW
22	S	2	S	2	SSW	1	SSW	2	SSE	1	Calm		10	Ci.-S.	N.		9	Ci.-S.	N.	SW
23	Calm		Calm		S	1	NW	1	SE	1	S	1	10	Ci.-S.	N.		9	Ci.-S.	N.	SW
24	Calm		Calm		Calm		NNW	1	Calm		NW	1	6	Ci.	N.		9	Ci.-S.	N.	SW
25	Calm		Calm		Calm		N	1	N	1	W	1	10	Ci.-S.	N.		8	Ci.-S.	Cu.	
26	Calm		Calm		Calm		NNW	1	N	1	N	1	9	Ci.-S.	N.	NW	8	Ci.-S.	N.	
27	Calm		Calm		NW	1	NW	1	N	1	SW	1	8	Ci.-S.	Cu.	NW	8	Ci.-S.	N.	
28	Calm		SSW	1	SSW	1	ESE	1	Calm		Calm		10	Ci.-S.	N.		10	Ci.-S.	N.	
29	Calm		Calm		SSW	1	Calm		Calm		Calm		10	Ci.-S.	N.		10	Ci.-S.	N.	
30	Calm		SSE	1	S	1	SE	1	Calm		Calm		9	Ci.-S.	N.	S	10	Ci.-S.	N.	SW
31	SW	1	Calm		S	1	N	1	Calm		SSE	1	9	Ci.-S.	N.		10	Ci.-S.	N.	SW
Mean	------	0.3	------	0.4	------	0.6	------	1	------	1	------	0.4	9.1	------	------		8.7	------	------	

CAPIZ.

[ϕ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6 meters; gravity correction not applied, —1.81 mm.]

AUGUST, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.05	56.31	57.31	56.07	56.32	57.79	24.2	24	29	30	27.2	26	31	23.1	86	84	74	74	84	85	2.8
2	57.07	57.02	58.20	57.15	57.29	59.20	25.5	25.4	29.8	30.6	27	25.3	33.2	24.8	90	91	70	67	68	86	------
3	58.28	58.08	59.06	57.47	57.38	59.20	24.8	24.7	29.2	30	26.5	25.6	31.8	24.3	87	86	75	74	87	88	5.4
4	58.30	58.73	58.99	57.21	57.77	58.87	24.8	23.8	27	28.6	25	24.8	30.3	23.6	87	92	81	78	96	96	17
5	57.79	57.85	57.92	56.43	58.08	58.63	24	23.7	29.8	31	25.2	23.6	32.8	22.9	96	96	71	71	94	95	9.9
6	58.01	58.31	59.42	57.39	58.53	60.25	23.3	23.1	29.5	31.9	27.9	25.5	34	22	96	95	72	66	78	88	------
7	58.54	59	59.81	57.79	58.66	59.65	24	23.6	31.2	31.9	26.7	24.8	33.6	23.3	95	95	62	67	80	90	.3
8	58.10	58.63	58.82	56.75	56.94	58.77	24.6	24.4	29.5	31.5	28.6	24.5	32.8	23.7	92	96	72	67	76	89	3.9
9	58.19	57.39	58.36	56.67	57.44	58.49	24	24	29.6	27.9	23.4	23.6	31.2	22.2	94	97	71	81	97	97	54.3
10	58.13	57.65	58.88	56.79	57.22	58.98	23.5	24	27.9	29.7	26.4	24.5	32.4	22.8	97	96	81	71	85	93	------
11	58.44	57.21	58.27	56.87	56.57	58.55	24.2	23	30	28.7	26.4	24.4	33	22	92	96	69	84	85	92	3.1
12	57.35	57.18	57.78	55.57	55.96	57.77	23.6	23.5	27.8	29.8	27.3	25.3	32	22.9	96	96	79	75	81	89	1.1
13	56.66	55.84	56.78	55.39	56.25	58.39	24.8	24.2	29	26.2	25.3	24	32.6	23.5	92	93	78	86	96	96	14
14	57.01	56.95	57.72	56.02	56.79	58.12	23.8	24.1	29.8	27.4	26.2	24.5	30.4	23.4	97	96	70	79	87	93	4.6
15	57.96	58.44	58.16	56.76	57.49	58.97	24.4	24	29.5	30.1	25.7	25	32.9	23.2	93	96	69	77	90	92	------
16	58.20	58.06	58.79	56.86	57.55	58.26	24.8	24.3	31.5	30.7	28.5	25.3	33.2	23.5	93	95	75	74	78	91	------
17	57.22	57.36	58.40	55.95	56.61	58	25	24	30.4	31	27.5	25.3	33.4	23.5	92	97	69	70	80	93	------
18	56.80	57	58.62	56.39	56.47	57.94	24.5	23.7	29.2	31.3	26.8	25.8	33.3	23.4	96	98	77	74	89	93	------
19	57.02	57.12	58.22	55.84	56.85	58.46	25.2	24.7	28.5	29.4	25.2	25	32.2	23.9	92	93	86	76	95	94	1
20	57.21	57.78	57.76	55.95	56.91	58.88	24	23.5	29.9	31.7	26.6	25	33.3	22.6	97	97	72	70	87	94	.8
21	57.30	57.29	58.66	56.87	57.72	58.94	24.5	23.9	29.4	29	24.1	23.5	32.1	22.5	96	96	75	78	99	96	70.6
22	58.05	58.36	58.77	56.17	57.74	58.84	23.6	23.6	30.1	30.3	23.9	24	31.9	22.5	97	97	72	76	97	96	23.1
23	58.15	57.56	58.11	55.75	55.98	58.09	23.8	23.6	28.3	28.7	26.7	24.7	30.3	23	97	98	78	78	86	92	------
24	57.64	57.90	58.50	57.01	57.22	58.05	24.5	24	29.1	28.8	27.5	25.4	31	23.2	92	96	72	76	86	84	------
25	57.15	57.34	57.96	55.60	56.82	58.30	24.5	23.7	28.7	32.5	27	25.5	34.5	23.2	89	94	73	52	80	84	.5
26	56.84	55.95	56.20	54.10	55.05	55.79	24.5	23.6	29.8	28	24.8	24.5	32.9	23.2	89	95	69	89	92	94	7.6
27	55.05	55.06	55.28	53.25	53.60	55.60	23.9	24	27.7	29.9	27	24.7	32.1	23.7	96	96	83	76	82	89	4.8
28	54.43	54.55	55.04	53.58	54.62	56.14	25.6	24.6	29.8	30.9	27.5	26.3	33	24.2	84	92	73	69	81	83	------
29	55.82	56.03	56.24	54.60	55.82	57.48	25.6	25.5	30	32.9	28	26.7	34	24.1	87	85	72	60	72	80	------
30	56.82	57.38	57.05	55.68	55.97	56.77	25.5	25	29.8	31.5	29	27.7	33.8	24.2	88	94	73	59	81	81	------
31	55.64	55.23	55.14	53.48	53.86	54.78	26	25.6	30	30.7	29	26.9	32.7	24.7	90	90	71	63	71	80	.5
Mean	57.30	57.24	57.88	56.05	56.69	58.13	24.5	24.1	29.4	30.1	26.6	25.1	32.5	23.3	92.4	94.1	73.7	72.8	85.2	90.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	225.3

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	S	S	S	S	S	S	36.5	63.6	35.1	45.4	180.6	9	Ci.-S.	N.	10	Ci.-S.	N. S
2	S	Calm	S	NW	SW	Calm	49.1	33	72.9	30.1	185.1	9	Ci.-S.	N. W	9	Ci.-S.	Cu.
3	SSW	S	S	SSE	S	S	39.1	48.3	40.2	47.7	175.3	9	Ci.-S.	N.	9	Ci.-S.	N.
4	Calm	S	SSE	Calm	Calm	Calm	15.5	46.1	27.4	9.2	98.2	10	Ci.-S.	N. S	10	Ci.-S.	N. W
5	SSE	SSW	S	N	N	Calm	35.4	27.7	49.9	25.1	138.1	6	Ci.	N.	4	Ci.	Cu.
6	Calm	Calm	SE	NW	SE	Calm	8.3	22.3	58.9	16.6	106.1	8	Ci.-S.	N.	7	Ci.	Cu. SW
7	Calm	Calm	SSE	NW	S	Calm	1.9	25.9	61.8	12.9	102.5	8	Ci.	N.	7	Ci.-S.	Cu. NW
8	Calm	Calm	S	NNW	NNW	Calm	8.9	20.1	48.3	30	107.3	10	Ci.-S.	N.	8	Ci.-S.	Cu. SW
9	Calm	Calm	Calm	Calm	Calm	SSW	10	34.1	31.6	13.5	89.2	10	Ci.-S.	N.	10	Ci.-S.	N.
10	Calm	SE	S	NW	S	Calm	14	27.4	28.2	13.5	83.1	9	Ci.-S.	N.	10	Ci.-S.	N. NW
11	Calm	Calm	NW	Calm	S	SW	7.5	27.7	30.6	19.5	85.3	3	Ci.	N.	9	Ci.-S.	N. NW
12	Calm	Calm	SE	NW	Calm	SW	16.1	27.4	24.4	26.4	94.3	9	Ci.-S.	N.	9	Ci.-S.	N. SW
13	SSW	S	S	SW	S	SSW	33.5	43.1	35.7	28.2	140.5	8	Ci.-S.	N.	10	Ci.-S.	N. W
14	Calm	Calm	SSW	W	Calm	Calm	29.2	46.9	34.1	30.4	140.6	10	Ci.-S.	N.	9	Ci.-S.	N.
15	SW	Calm	SW	NW	SW	Calm	26.4	30.9	40.4	22.3	120	9	Ci.-S. SW	N. SW	9	Ci.-S.	N. NW
16	Calm	Calm	N	NW	Calm	Calm	------	------	44.9	13.4	------	3	Ci.	N.	8	Ci.-S.	N.-cf.NW
17	Calm	Calm	S	NNE	SSE	Calm	8.7?	33.2	56	16.7	114.6	7	Ci.	N.	5	Ci.	Cu.
18	Calm	Calm	S	SE	Calm	Calm	7.2	23.5	34.6	11.5	76.8	8	Ci.-S.	N.	9	Ci.-S.	N.
19	Calm	Calm	Calm	NW	Calm	Calm	12.6	24.9	29.3	12.6	79.4	9	Ci.-S.	N.	8	Ci.-S.	Cu. SW
20	Calm	Calm	Calm	N	S	Calm	4.6	19.9	54.1	15	93.6	7	Ci.	N.	8	Ci.-S.	Cu. NW
21	Calm	Calm	Calm	Calm	Calm	Calm	7.7	------	------	------	------	8	Ci.-S.	N.	10	Ci.-S.	N. SW
22	Calm	Calm	Calm	NW	Calm	Calm	------	------	46.7	20.4	------	10	Ci.-S.	N.	8	Ci.-S.	Cu. W
23	Calm	Calm	SSE	NW	SE	Calm	13.5	30.6	46.5	20.1	110.7	10	Ci.-S.	N.	9	Ci.-S.	N.
24	Calm	Calm	SSW	Calm	Calm	WSW	9.5	33.6	20.9	22	86	9	Ci.-S.	N.	10	Ci.-S.	N.
25	Calm	Calm	Calm	W	W	Calm	12.4	28.4	93.8	43.1	177.7	10	Ci.-S.	N.	8	Ci.-S.	Cu.
26	Calm	Calm	SSW	SSW	WSW	Calm	17.2	32.2	60.9	21.2	131.5	9	Ci.-S.	N.	8	Ci.-S.	Fr.-N. W
27	SSW	SSW	SSW	SW	SSW	SSE	34.8	53.7	57.6	39.9	186	10	Ci.-S.	N. SW	9	Ci.-S.	N. SW
28	SSW	Calm	SSW	SW	SSW	S	66.8	65	58.5	52.3	242.6	10	Ci.-S. SW	N. S	9	Ci.-S.	N. W
29	S	S	SW	SW	SW	S	42.6	55.3	73.7	44.3	215.9	9	Ci.-S.	N.	8	Ci.-S.	Cu. SW
30	Calm	Calm	S	NW	Calm	Calm	19.1	23.8	19.1	17.7	79.7	8	Ci.-S.	N. W	9	Ci.-S.	Fr.-N.SW
31	Calm	S	S	W	W	Calm	24.3	37.8	39.7	20.9	122.7	9	Ci.-S.	N. W	10	Ci.-S.	N. W
Mean	------	------	------	------	------	------	21.1	35.2	45.2	24.7	127.3	8.5	------	------	8.6	------	------

CAPIZ.

[$\phi = 11°\ 35'$ N; $\lambda = 122°\ 45'$ E; barometer above sea, 6 [a] meters; gravity correction not applied, —1.81 mm.]

SEPTEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	54.26	54.44	55.26	53.60	54.06	55.69	25.5	24.9	26.9	29.4	27.4	26.1	30.3	23.6	89	93	86	71	77	82	1.5
2	55.33	55.56	55.36	54.47	55	56.22	24	23.7	27.6	28.3	26.7	24.8	30.9	23.1	96	95	86	87	90	89	1.3
3	55.67	56.01	56.63	54.79	55.73	57.04	24.7	24.6	29.9	32	29.5	27.4	34	23.3	90	92	72	59	76	82	------
4	56.53	56.84	57.56	56.02	57.01	57.96	25.8	25.1	29.4	30.2	27.2	26	32.5	24.8	87	88	75	73	82	89	------
5	56.50	56.73	57.96	56.45	57.60	59.15	25.7	25.5	30.5	26.2	24	23.2	32.4	23	91	92	75	93	97	98	19
6	57.63	57.91	58.93	56.88	57.23	59.34	22.9	23.2	28.5	29.2	27.4	24.2	31.7	22.8	98	98	76	81	87	97	66.4
7	59.17	57.21	57.75	56.28	55.75	56.48	23	22.8	24.7	23	23.8	25.8	27.3	22.5	97	97	94	97	97	87	115.4
8	55.15	55.13	56.88	55.85	56.64	58.91	23.5	23	28.7	28.6	26.8	24.5	31.2	22.5	93	97	80	81	90	94	------
9	57.95	58.35	58.98	57.30	57.86	59.83	24.2	23.7	30	29.6	27.8	26.8	32.2	23.4	94	97	65	71	86	90	------
10	57.59	57.98	58.50	56.97	57.01	58.33	24	23.3	30	30.6	28.3	25.6	32	23	96	97	65	68	75	91	------
11	56.90	57.20	58.13	55.74	55.91	57.98	25	23.9	29.8	31.3	28.4	25.7	33.1	23.7	93	92	73	64	85	93	------
12	56.86	57.19	57.65	55.87	56.60	57.59	25.4	24.9	30.6	30.1	26.4	25	32.9	24.6	93	94	68	74	80	88	------
13	56.49	56.52	57.31	55.07	55.53	57.10	24.8	24.7	31	30	28	26.2	32.7	23.7	89	89	70	72	82	85	.5
14	55.56	54.99	55.27	53.11	53.04	53.91	25.5	24.9	28	29.4	27.4	26.2	31.5	24.5	88	85	80	78	84	94	7.9
15	53.09	52.22	53.26	51.59	52	52.90	25.4	24	29.8	29.8	27.7	25.1	32.5	23.5	95	95	77	73	79	94	2.3
16	52.85	53.71	55.03	53.16	54.39	56	24.6	24.8	28.3	28.5	26.7	24.3	30.8	24	97	95	80	83	83	97	4.9
17	55.40	55.56	56.21	55.30	55.98	57.05	24.4	24.5	29.8	28.6	27.5	26	31.5	23.9	97	96	79	85	91	89	16
18	55.86	56.35	56.56	54.82	55.53	56.38	24.8	24.6	28.6	30.1	27.8	26	31.9	24.2	95	95	75	73	82	90	------
19	55.20	55.27	55.76	54.23	54.53	56.16	24.9	24.3	30	29.6	27.1	25.9	31.8	23.6	92	94	71	77	91	94	4.1
20	55.18	55.60	56.71	55.31	56.04	57.61	24.8	24.2	29	25.4	25.4	23.5	31.4	23.5	93	97	76	96	92	96	12.7
21	56.77	56.94	57.91	56.31	56.20	58.60	24.2	24	29	28.4	26.4	25.3	31	23.5	95	96	78	82	90	93	.3
22	58.15	59.05	59.64	57.45	59.11	60.39	25	24.6	30.5	30.4	26.1	25.8	32.4	23.4	93	95	74	74	87	93	------
23	59.25	59.49	60.09	58.03	58.93	60.21	25.2	24.5	30.3	30	27.5	25.6	31.9	24.2	94	96	70	78	84	93	------
24	58.32	58.81	59.81	57.14	57.36	59.06	24.5	24	25.6	26.6	26.3	25	29.8	23.7	96	96	95	80	90	95	1.3
25	57.75	57.90	58.93	56	56.93	58.11	24.5	24.2	29	29.4	27.4	25.5	31.2	23.5	97	97	78	78	86	95	34.5
26	57.22	57.30	58.06	55.28	55.77	57.13	24.4	23.9	28.5	29.9	27.9	25.6	31.9	23.4	95	91	83	76	84	93	------
27	55.98	56.05	56.63	55.12	56.35	57.78	25	24.7	29.6	26.5	27	25.2	31	24.4	93	90	76	94	84	90	12
28	57.10	57.72	58.61	56.21	56.94	58.53	24.9	24.6	29.4	30.4	27.2	25.6	33.2	24	92	96	77	73	90	87	2.3
29	57.69	57.96	58.52	56.37	56.94	57.80	25	24.5	30.2	30	26	24.8	31.8	23.8	90	91	70	70	85	92	------
30	57.41	57.45	58.01	56.11	56.62	59.02	25.2	25	29.5	29.7	27.5	26.2	31.4	24.7	91	92	75	71	85	92	------
Mean	56.49	56.65	57.40	55.56	56.15	57.61	24.7	24.3	29.1	29	27	25.4	31.7	23.7	93.3	93.9	76.6	77.7	85.7	91.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	302.4

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	Calm	SW	Calm	W	20.1	23.9	31.6	43.3	118.9	9	Ci.-S.	Fr.-N. W	9	Ci.-S.	Fr.-N.
2	Calm	Calm	S	Calm	Calm	Calm	25.9	26.9	------	------	------	9	Ci.-S.	Fr.-N.	10	Ci.-S.	Fr.-N. W
3	Calm	Calm	SW	SW	SW	S	------	------	64.1	50.2	------	8	Ci.-S.	Fr.-N. W	8	Ci.-S.	Cu. W
4	Calm	S	S	S	Calm	Calm	27.4	66	76.6	15.5	185.5	10	Ci.-S.	N. SW	8	Ci.-S.	N. W
5	Calm	Calm	SW	SE	Calm	Calm	22.3	40.4	35.4	4.8	102.9	9	Ci.-S.	N.	10	Ci.-S.	N. SE
6	Calm	Calm	WNW	NW	NW	Calm	5.8	33.3	54.5	23	116.6	9	Ci.-S.	N.	9	Ci.-S.	N.
7	NE	Calm	Calm	WNW	W	NW	27.2	23.9	39.7	79.5	170.3	9	Ci.-S.	Fr.-N. NE	10	------	N. NW
8	W	SW	SW	NW	Calm	SSE	95.5	50.5	60.2	17.5	223.7	10	Ci.-S.	N. NW	8	Ci.-S.	Cu.-N. SW
9	Calm	Calm	SW	N	Calm	Calm	7.8	34.8	40	6.1	88.7	4	Ci.	Cu. SW	7	Ci.	N. SW
10	Calm	Calm	N	N	W	Calm	5.9	27.1	50.4	16.7	100.1	3	Ci.	Cu.	8	Ci.-S.	Cu.
11	Calm	Calm	Calm	SSW	Calm.	Calm	11.6	21.5	35.7	15.6	84.4	3	Ci.	Cu.	8	Ci.-S.	N.-cf. SW
12	Calm	Calm	Calm	W	W	Calm	7	25.9	95.3	13.2	141.4	8	Ci.-S.	Cu.	7	Ci.	Cu. SW
13	Calm	Calm	Calm	W	Calm	Calm	9.1	24.6	58.2	18.8	110.7	9	Ci.-S.	N.	9	Ci.-S.	N. SW
14	Calm	SW	S	SW	Calm	Calm	19.3	25.5	47.2	18.5	110.5	10	Ci.-S.	N. W	9	Ci.-S.	N.
15	Calm	SW	SW	S	SW	SW	26.2	43.5	48	30.8	148.5	10	Ci.-S.	N.	10	Ci.-S.	N. SW
16	Calm	Calm	SW	S	SW	Calm	13.5	50.7	56.1	17.2	137.5	10	Ci.-S.	Fr.-N. SW	10	Ci.-S.	N. S
17	SW	Calm	SW	Calm	Calm	SSW	26.8	35.4	13.2	25.7	101.1	10	Ci.-S.	N. S	8	Ci.-S.	Fr.-N. SW
18	Calm	Calm	N	NW	Calm	Calm	13.1	36.2	59	10.7	119	6	A.-Cu.	Cu.	9	Ci.-S.	N. SW
19	Calm	Calm	Calm	ESE	Calm	Calm	3.4	26	23.1	5.1	57.6	5	Ci.	Cu.	10	Ci.-S.	N. E
20	Calm	Calm	Calm	Calm	SW	SSE	8	19.8	26.9	25.5	80.2	8	Ci.-S.	Cu.	10	Ci.-S.	N.
21	Calm	Calm	S	SW	Calm	Calm	17.7	43.1	24.4	3.2	88.4	9	Ci.-S.	N. S	8	Ci.-S.	N. SW
22	SW	Calm	SW	N	Calm	Calm	21.2	38.6	43.3	4.8	107.9	8	Ci.-S.	Cu.	8	Ci.-S.	N.
23	Calm	Calm	N	NNW	Calm	Calm	1.8	25.4	59.8	7	94	8	Ci.-S.	N.	8	Ci.-S.	Cu. SW
24	Calm	Calm	Calm	Calm	Calm	Calm	1.9	17.5	23.6	10.8	53.8	8	Ci.-S.	N.	9	Ci.-S.	N. N
25	Calm	Calm	NW	N	Calm	Calm	2.4	35.7	45.9	16.3	100.3	9	Ci.-S.	N.	8	Ci.-S.	Cu. NE
26	Calm	Calm	W	NW	W	Calm	16.4	44.1	71	9.2	140.7	9	Ci.-S.	N. NNW	7	Ci. NW	Cu.
27	Calm	Calm	NW	Calm	S	S	------	------	------	------	------	8	Ci.-S.	N.	9	Ci.-S.	N. SW
28	SW	SW	S	NW	S	SE	------	------	------	------	------	9	A.-Cu. SW	N. SW	8	A.-Cu.	N. SW
29	Calm	Calm	SW	W	S	Calm	------	------	------	------	------	8	Ci.-Cu.	N.	8	Ci.-S. SW	Cu. SW
30	Calm	Calm	SW	NW	Calm	Calm	------	------	------	------	------	8	Ci.-S.	N.	8	Ci.-S.	Fr.-N. SW
Mean	------	------	------	------	------	------	17.5	33.6	47.3	19.6	115.9	8.1	------	------	8.6	------	------

[a] Beginning with September 2, 10 a. m., the height of the barometer above sea level was 6.6 meters.

CAPIZ.

[ϕ=11° 35′ N; λ=122° 45′ E; barometer above sea, 6.6 meters; gravity correction not applied, —1.81 mm.]

OCTOBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.06	58.64	58.83	56.82	57.99	59.44	25.9?	25.6	30	30.2	27.2	26.4	32.3	24.7	92 ?	92	75	73	87	92	------
2	58.93	59.24	60.29	58.07	59.46	60.56	25.4	24.5	30.4	30.5	27.5	25.7	32.5	24.2	93	96	72	71	87	93	------
3	59.25	60.37	60.70	58.53	59.02	59.80	24.2	23.5	30.5	30.3	24.7	23.8	32.5	23	97	96	65	72	87	92	------
4	58.85	59.05	59.78	57.18	58.20	59.40	23.5	23	29	29.9	27.3	25.1	32.2	22.9	92	96	73	71	84	92	------
5	58.25	58.45	59.26	56.73	58.17	58.79	24.5	23.6	28.6	29.5	24.5	24.2	31.4	23.5	94	97	80	76	96	97	12.9
6	58.05	58.32	59.30	57.23	58.50	60.09	24.1	24	28.9	28.1	25.4	24.6	30.5	23.8	97	97	79	80	93	95	1
7	59.06	59.41	60.55	58.66	59.31	60.44	24.4	24.2	28.2	24.6	24.1	24.1	30.9	23.6	97	97	82	95	97	97	32.8
8	59.31	59.52	60.46	56.75	58.30	60.03	23.8	23.6	28.1	29.4	25.1	24.5	32.3	23.3	97	98	82	75	95	97	2
9	58.30	58.36	58.92	56.68	57.18	58.38	24.4	23.9	28	29	26.4	25	30.4	23.7	97	94	82	78	87	92	------
10	57.42	57.87	58.10	55.63	56.09	57.19	24.8	24.6	29	29.7	26.8	25.7	31.3	24.3	92	91	78	75	90	88	------
11	56.65	56.64	57.63	55.52	56.16	57.96	25.3	25	28.6	25.8	24.9	25	31	24.3	91	92	80	93	97	98	22.7
12	57.92	57.70	58.82	57.07	57.45	59.13	24.6	24.1	27.9	27.4	26.6	25.2	31.3	23.7	97	97	85	82	92	94	.8
13	58.79	58.05	58.67	56.05	56.48	58.23	25	24.7	29.1	29	27	26.7	30.8	24.4	96	98	81	76	86	90	6.6
14	56.06	56.01	56.66	54.62	54.54	55.83	26.2	25.7	28.7	27.1	27	27.6	31.5	25.1	94	98	78	91	90	83	26.6
15	54.39	54.70	54.70	52.32	52.67	52.52	25.3	25.6	26.9	24.1	25.4	26.2	28.5	23.5	93	91	85	99	91	93	191.4
16	50.47	50.68	50.01	44.39	43.38	51.04	26	25.2	25.4	25.2	23.9	24	28.3	23.4	90	94	93	94	97	97	83.5
17	51.12	53.83	56.39	55.59	57.16	58.62	24.3	24	26.2	28.3	26	24.7	30.2	23.6	96	97	89	80	89	94	1.6
18	58.26	58.95	59.76	57.80	58.94	60.49	24.5	23.9	30.2	29.5	27.4	25.8	31.9	23.8	92	97	74	76	87	94	5.6
19	59.35	59.95	60.60	58.01	58.41	59.74	24.5	24.1	28.5	29.5	27.5	25.7	31.2	23.8	97	98	83	72	85	96	5.6
20	58.92	58.99	59.93	57.17	57.60	59.08	24.7	25.5	29	28.7	26.6	24.9	31	24.3	96	86	72	75	85	93	.3
21	58.35	59.01	60.22	56.96	58.70	59.96	24.8	24	29.5	28.9	26.7	25.8	31	23.7	92	97	72	76	86	90	------
22	58.55	58.86	59.78	57.40	58.04	59.20	24.4	24.6	29.4	29.5	27.4	27	31.2	24.4	97	96	75	76	85	88	------
23	58.09	58.58	59.17	56.60	57.94	58.75	25.9	25.3	30	29.6	27.4	25.8	31.4	25	93	94	68	74	85	93	45
24	57.81	58.46	59.12	56.48	57.20	58.35	24	23.6	28.4	29	26.9	24.6	30.5	23.4	98	98	82	78	85	95	30.1
25	57.71	57.65	58.45	56.40	57.23	58.43	24	24	29.4	30	27.2	26	31.4	23.7	96	97	78	72	84	89	------
26	57.08	57.07	58.03	56.41	57.23	58.73	24.8	23	29.5	30.6	27.4	25.5	32.5	23	91	97	71	65	86	92	.3
27	58.38	58.72	59.36	57.77	58.06	59.77	25	24.5	30.3	33.2	28.8	26.3	34.3	24.2	93	96	73	57	83	93	1.5
28	59.13	59.34	60.36	58.33	58.54	60.11	25.4	25	29.3	30	27.1	25.5	31.5	24.7	96	95	79	67	83	91	1.5
29	58.36	58.75	59.71	57.63	58.73	59.77	25.3	24.2	29.4	29.9	27.6	24.7	32.5	24	90	96	73	71	84	95	15
30	58.62	59.15	59.21	57.93	58.95	60.81	24.8	24.4	27.4	28.5	26.9	25.3	30.2	24	94	97	85	78	88	93	2.1
31	59.49	59.85	60.77	58.60	59.59	60.13	25.3	24	29.6	29.9	27.5	26.2	31.3	23.8	93	97	71	75	86	93	.3
Mean	57.71	58.07	58.82	56.49	57.27	58.73	24.8	24.4	28.8	28.9	26.5	25.4	31.3	23.9	94.3	95.5	77.9	77.2	88.3	92.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	489.2

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	Calm	----	Calm	----	WNW	1	NW	1	Calm	----	Calm	----	9	A.-Cu.	N. SW	8	Ci.-S.	N. S
2	Calm	----	Calm	----	S	1	N	1	Calm	----	Calm	----	3	Ci.	Cu.	7	Ci.	Cu.-N. S
3	Calm	----	Calm	----	Calm	----	N	2	S	1	Calm	----	1	----------	Cu.	6	Ci.	Cu. SW
4	Calm	----	Calm	----	Calm	----	NW	1	S	1	Calm	----	8	Ci.-S.	Cu.	6	Ci.	Cu. SW
5	Calm	----	Calm	----	Calm	----	NW	1	SE	1	Calm	----	8	Ci.-S.	N.	8	Ci.-S.	Cu. SW
6	Calm	----	Calm	----	Calm	----	WNW	1	Calm	----	Calm	----	8	Ci.-S.	N.	9	Ci.-S.	N. SW
7	Calm	----	S	1	SSE	1	S	1	Calm	----	Calm	----	10	Ci.-S.	N.	10	Ci.-S.	N.
8	Calm	----	Calm	----	Calm	----	NNW	1	Calm	----	Calm	----	10	Ci.-S.	N.	8	Ci.-S.	N. SW
9	S	1	Calm	----	S	1	S	1	Calm	----	S	1	8	Ci.-S.	N.	8	Ci.-S.	Cu. SW
10	Calm	----	S	1	S	1	S	1	Calm	----	S	1	8	Ci.-S.	N. S	8	Ci.-S.	Cu.
11	S	1	S	1	S	1	Calm	----	Calm	----	S	1	9	Ci.-S.	N.	9	Ci.-S.	N. SW
12	Calm	----	Calm	----	NW	1	Calm	----	Calm	----	Calm	----	9	Ci.-S.	N. W	9	Ci.-S.	N. NW
13	Calm	----	Calm	----	NW	1	NW	1	W	1	WNW	1	9	Ci.-S.	N. W	7	Ci.	Cu. NW
14	NW	1	Calm	----	N	1	NW	1	NW	1	N	2	10	Ci.-S.	N. N	10	Ci.-S.	N. N
15	N	2	NW	2	NNW	2	NE	1	N	3	N	4	10	Ci.-S.	N. N	10	----------	N.
16	NNE	5	NNE	4	NNE	4	NNE	6	SW	7	SW	2	10	Ci.-S. NE	N. NE	10	Ci.-S. NE	Fr.-N. NE
17	S	2	S	2	S	2	S	1	Calm	----	S	1	10	Ci.-S.	N. S	9	Ci.-S.	N.
18	SSE	1	Calm	----	S	1	NE	1	Calm	----	Calm	----	4	Ci.	N.	8	Ci.-S. N	N. N
19	N	1	Calm	----	N	1	N	1	N	1	Calm	----	9	Ci.-S.	N.	3	Ci.	Cu. N
20	N	1	N	1	NNE	1	N	1	Calm	----	Calm	----	8	Ci.-S.	N. NE	4	Ci.	Cu.
21	N	1	Calm	----	NE	1	SW	1	N	1	Calm	----	8	Ci.-S.	Cu. E	9	Ci.-S.	Cu.-N. SW
22	Calm	----	Calm	----	NE	1	N	1	Calm	----	N	1	7	Ci.	Cu. NE	5	Ci.	Cu. N
23	Calm	----	Calm	----	N	1	NNW	1	NNW	1	SW	1	6	Ci.	Cu. NE	4	Ci.	Cu. N
24	Calm	----	Calm	----	NW	1	NW	1	NW	1	SW	1	9	Ci.-S.	N. NE	7	Ci.	Cu. N
25	NW	1	Calm	----	WNW	1	NW	1	NW	1	WSW	1	8	Ci.-S.	N.-cf. N	7	Ci.-S. N	Fr.-N. NW
26	Calm	----	Calm	----	WSW	1	NW	1	Calm	----	Calm	----	4	Ci.	Cu.	6	Ci.	Cu.-N. NW
27	Calm	----	SSE	1	ESE	1	N	1	Calm	----	Calm	----	8	Ci.	Cu. SSE	8	Ci.	N.-cf. SW
28	Calm	----	Calm	----	NE	1	NE	1	Calm	----	Calm	----	9	Ci.-S.	N. E	4	Ci.	Cu.
29	Calm	----	Calm	----	ENE	1	ENE	1	Calm	----	Calm	----	3	Ci.	Cu. NE	8	Ci.-S.	Cu. ENE
30	N	1	SW	1	NW	1	N	1	Calm	----	Calm	----	9	Ci.-S. E	N. E	3	Ci.	Cu.
31	Calm	----	Calm	----	NW	1	N	1	Calm	----	Calm	----	8	Ci.	Cu.-N. N	3	Ci.	Cu.
Mean	------	0.6	------	0.5	------	1	------	1.1	------	0.6	------	0.5	7.7	----------	----------	7.1	----------	----------

CAPIZ.

[$\phi = 11°\ 35'$ N; $\lambda = 122°\ 45'$ E; barometer above sea, 6.6 meters; gravity correction not applied, —1.81 mm.]

NOVEMBER, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.25	59.46	59.45	57.08	57.09	57.58	26	26.1	29.5	27.9	26.3	27.2	31	25.1	92	92	75	89	91	87	20.1
2	57.22	57.95	59.73	56.98	58.30	60.11	24.5	24.6	26	30	26.9	25.6	31.3	24.4	98	98	92	71	79	87	6.9
3	59.20	59.52	59.84	57.62	58.55	60.06	24.2	23	29.5	28.4	26.7	25.9	30.8	22.8	97	96	76	82	90	94	9.7
4	58.87	59	60.07	57.80	58.70	59.53	24.2	24	28.5	29.5	26.7	24.8	31	23.8	97	97	76	71	90	93	.3
5	58.85	58.99	59.81	58.52	57.68	58.14	24	25.5	28	28.5	27	27.3	30.5	23.9	97	84	75	73	81	82	29.9
6	56.09	55.61	54.96	54.10	56	58.13	25	26.2	25.6	28	26.7	24.6	29.4	23.2	96	90	94	79	86	95	45.7
7	57.85	58.52	59.51	57.88	59.10	60.22	23.7	24	28.2	29.4	26.1	25.3	31	23.3	97	96	81	75	86	93	1.8
8	59.50	59.87	61.08	58.53	59.04	60.29	25	25.1	28.3	29.4	27.2	26.6	31	24.4	93	92	77	72	86	84	.5
9	58.85	58.95	59.82	57.53	57.94	59.14	25.5	24.3	29	27.3	24.5	25.5	31	24	89	92	72	82	93	89	5.1
10	58.38	58.49	59.38	57.21	57.79	59.32	25.5	25.4	28.7	29.1	27	26.6	30.9	25.1	89	89	75	73	84	83	.3
11	58.98	59.13	60.43	58.21	58.80	59.93	26.5	26.5	28.7	29.1	25.6	26.3	31.2	25.3	84	85	78	74	95	90	23.1
12	59.19	59.63	60.43	57.87	58.14	58.89	25	25.7	28.5	28	27.3	26.6	30.4	25	98	94	82	85	87	94	5.1
13	58.08	58.54	59.27	57.22	57.99	58.62	26	25.6	28.8	29.5	27	26.7	30.9	25.1	93	91	77	75	87	90	------
14	58	58.46	59.43	57.36	58.10	59.26	25	23.5	28.6	29	26.7	26.3	30.7	23.4	93	96	71	68	84	90	------
15	58.93	59.49	60.42	57.95	58.55	59.50	25.5	25	29	29.4	27.2	26.5	30.9	24.7	91	92	76	71	84	90	1.5
16	58.23	58.88	59.63	58.03	58.34	59.10	25.8	25.1	28.7	29.2	27.4	26.3	31.4	25	93	96	77	75	81	93	1
17	58.03	58.37	59.44	57.08	58.03	59.21	25.5	23.6	29.6	29.9	27.4	25.5	31.4	23.3	94	97	75	72	86	92	------
18	58.35	58.90	59.71	57.40	58	59.11	25.3	24	28	29.6	26.6	24.7	30.9	23.7	92	95	74	65	85	94	.5
19	58.06	58.91	59.53	57.16	57.44	58.73	24.1	24	28.7	29.2	26.6	25.2	30.9	23.8	95	96	75	70	80	91	------
20	57.88	57.86	58.86	56.78	56.75	57.72	26	26.3	29.5	29.7	27	25.7	31.2	25.2	87	86	75	79	85	91	------
21	57	57.45	58.50	56.47	57.10	58.68	26	24.6	29.5	29	26.3	25.1	31.2	24.4	85	94	70	75	89	92	6.1
22	58.22	57.94	58.85	56.83	57.69	58.80	24.2	25.6	27.7	28.2	27.2	25.7	30.2	24.2	91	88	83	80	80	91	11.5
23	57.83	58.05	58.92	56.41	57.19	57.80	25.8	25.6	28.5	28.6	27.2	26.7	30.4	25.5	91	93	69	69	75	81	------
24	56.44	56.48	56.66	55.33	55.04	54.98	26.6	26.5	28.3	27.2	26.5	25.2	30.3	25.1	83	86	77	84	88	93	63.2
25	50.26	41.55	39.50	50.80	54.29	56.99	25	24.8	------	24.4	22.8	21.9	26.4	21	94	97	------	84	97	96	95.3
26	57.65	57.89	58.45	56.31	56.92	58.96	20.6	20.3	27.7	29.4	26.6	24.3	31.7	20.1	98	99	76	69	81	91	------
27	58.58	58.85	59.72	57.33	57.20	57.70	23.9	24.9	28	28.6	26.7	26.7	30.7	23.6	92	93	79	78	86	86	39.5
28	55.34	56	56.09	[illegible].45	53.80	55.15	25.6	25.5	27.6	28	26.5	26.6	29.4	24.3	95	91	84	81	88	89	22
29	55.49	56.35	57.53	56.34	58.30	59.56	24.5	23.5	27.2	28.6	23.4	23.6	30.2	23	92	96	87	82	93	97	8.4
30	58.86	58.86	59.73	57.99	58.76	60.39	23.7	23.6	27.7	27.4	26.4	25.5	30	23.4	97	97	84	78	88	93	27
Mean	57.78	57.80	58.49	56.85	57.55	58.72	24.9	24.7	28.3	28.6	26.4	25.7	30.6	24	92.8	92.9	78	76	86.2	90.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	424.5

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	NW	1	SW	1	NNW	2	NNW	2	N	2	N	4	9	Ci.-S.	Fr.-N. N	9	Ci.-S.	N. N
2	E	2	ESE	1	SSE	1	S	1	SE	1	Calm	----	10	Ci.-S. ESE	N. SE	4	Ci.	Cu. S
3	Calm	----	Calm	----	ENE	1	NE	1	Calm	----	Calm	----	2	Ci.	Cu.	3	Ci.	Cu.
4	Calm	----	Calm	----	ENE	1	NE	1	Calm	----	Calm	----	7	Ci.	N.-cf. NE	6	Ci.	Cu. NE
5	N	2	N	1	N	2	N	2	NW	1	NNW	2	10	Ci.-S.	N. N	10	Ci.-S.	Fr.-N. N
6	NNW	3	N	3	NNE	5	E	2	E	1	SSE	1	10	Ci.-S. N	Fr.-N. N	9	Ci.-S.	Fr.-N. E
7	SSE	1	SSE	1	E	1	ENE	2	E	1	Calm	----	9	Ci.-S.	Fr.-N. SE	8	Ci.-S.	Fr.-Cu. E
8	E	2	E	1	NE	2	NE	1	Calm	----	ENE	1	8	Ci.	N. E	2	Ci.	Cu. NE
9	Calm	----	Calm	----	NE	1	NE	1	Calm	----	Calm	----	4	Ci.	Cu. ENE	7	Ci.-S.	Cu. NE
10	NE	2	NE	1	NNE	1	NNE	2	N	1	NE	1	8	Ci.-S.	N. NE	6	Ci.	Cu. NE
11	NE	2	NE	1	NNE	2	N	1	Calm	----	N	2	9	Ci.-S.	N. NE	4	Ci.	Cu. NE
12	N	2	N	1	NNE	2	N	1	NE	1	NE	1	10	Ci.-S.	N. NE	8	Ci.-S.	N. NE
13	NNE	2	ENE	1	ENE	2	ENE	1	N	1	N	1	5	Ci.	Fr.-cu.ENE	6	Ci.	Cu. ENE
14	Calm	----	Calm	----	NNE	1	N	1	NE	1	Calm	----	2	Ci.	Cu.	4	Ci.	Cu. NE
15	Calm	----	Calm	----	NE	1	N	1	N	1	Calm	----	4	Ci.	Fr.-Cu. NE	2	Ci.	Cu.
16	Calm	----	Calm	----	NNE	1	N	1	Calm	----	Calm	----	7	Ci.	Cu. NE	3	----------	Cu. NE
17	Calm	----	Calm	----	NE	1	NE	1	Calm	----	Calm	----	3	----------	Cu. NE	2	Ci.	Cu.
18	Calm	----	Calm	----	NE	2	NE	1	Calm	----	Calm	----	4	Ci.	Fr.-Cu. NE	2	----------	Cu.
19	NE	1	Calm	----	NE	1	N	1	N	1	Calm	----	8	Ci.	Fr.-N. NE	3	----------	Cu. N
20	N	2	N	1	N	2	NW	2	Calm	----	Calm	----	6	Ci.	Fr.-Cu. N	2	Ci. N	Cu. N
21	N	1	Calm	----	NW	1	NNW	2	N	2	N	1	5	Ci.	Cu. N	7	Ci.	Cu. NNW
22	N	2	N	2	N	1	N	2	N	2	N	1	9	Ci.-S.	Fr.-N. N	7	Ci.	Cu. N
23	N	2	N	2	N	2	NNW	2	N	2	N	2	8	Ci.	Fr.-N. N	7	Ci. N	Cu. N
24	N	2	N	2	N	3	N	3	N	4	N	5	9	Ci.-S.	Fr.-N. N	10	Ci.-S.	Fr.-N. N
25	NW	7	NNE	10	SE	11	SSE	2	SE	1	Calm	----	10	----------	Fr.-N. N	10	----------	N. S
26	Calm	----	Calm	----	N	1	N	1	Calm	----	Calm	----	2	Ci.	Cu.	3	Ci.	Cu.
27	SW	1	Calm	----	NW	1	NW	1	NNW	1	N	2	7	Ci.	Fr.-N. N	9	Ci.-S. N	N. NW
28	N	2	NNE	2	NNE	3	NE	4	NNE	3	ENE	4	10	Ci.-S.	N. N	10	Ci.-S.	Fr.-N. ENE
29	S	1	Calm	----	S	1	SSE	1	S	1	Calm	----	10	Ci.-S.	N. S	8	Ci.-S.	N. S
30	Calm	----	S	1	N	1	NE	1	Calm	----	Calm	----	8	Ci.-Cu. SE	Cu.	8	Ci.-S. NE	N. SE
Mean	------	1.3	------	1.1	------	1.9	------	1.5	------	0.9	------	0.9	7.1	----------	----------	6	----------	----------

CAPIZ.

[$\phi = 11°\ 35'$ N; $\lambda = 122°\ 45'$ E; barometer above sea, 6.6 meters; gravity correction not applied, —1.81 mm.]

DECEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.30	60.75	61.83	59.32	60.89	62.09	24	23.6	27.6	28.6	26	23.8	30.6	23.3	98	98	83	73	87	94	0.3
2	61.04	61.28	62.27	59.50	59.58	60.92	22.8	22.6	28	28.4	26.4	25.6	30.4	22.4	98	98	77	75	77	87	------
3	59.71	59.80	60.06	57.71	58.11	58.73	24.4	24.2	28.3	28.7	26.2	26	31	24.2	95	93	75	70	85	87	------
4	57.99	58.48	58.92	56.56	57.15	57.86	25.2	25.5	27.8	28.7	26.5	23.3	31.2	23.1	85	80	69	72	80	89	------
5	57.60	57.63	59.15	56.72	57.43	58.79	23.2	22.9	28.9	30.1	27.4	25.3	31.9	22.8	90	94	71	65	81	90	------
6	58.47	58.93	60.36	58.13	58.90	60.46	24	22.7	28.5	29.4	27	26.2	31.4	22.7	95	97	74	67	80	85	------
7	60.01	60.37	61.13	59.60	59.64	60.91	25.7	25.5	28.7	28.7	26.5	25.7	31	25.2	86	83	72	70	78	81	------
8	60.33	60.29	61.16	59.72	59.33	60.94	25.5	24.4	28.2	27.8	25.7	25.6	31	24.2	78	74	67	69	85	77	------
9	60.38	60.39	61.84	59.94	59.78	60.97	25.3	25.3	26.2	26.3	25.2	25.2	29.3	24.4	77	77	84	85	87	88	6.1
10	60.20	60.32	61.64	60.20	60.67	61.42	25	25	25.7	23.6	25	25.2	28.2	23.2	90	91	88	92	87	86	12.3
11	60.54	60.58	61.52	59.37	60.25	61.53	24.9	24.6	26.6	27.2	25.7	25.6	30.3	24.4	89	91	83	76	83	87	.6
12	60.87	60.84	61.86	59.73	59.97	61.23	25.3	25	28.2	28.6	27.2	25.7	31.4	24.5	88	88	74	77	86	88	------
13	60.51	60.47	61.71	59.92	60.34	62.01	25.6	25.5	27.6	28.8	26.5	25.6	31.3	25.4	88	90	81	76	82	88	------
14	61.65	61.38	61.76	59.90	60.03	61.37	25.4	25.2	28	28.5	26.6	25	31.5	24.4	91	94	81	80	90	96	2.5
15	60.27	60.55	61.77	59.53	60.14	61.21	25.2	24.6	28.1	28.7	26.7	26.7	30.9	24.4	90	90	74	73	86	80	------
16	60.47	60.65	61.41	59.18	59.72	60.79	25	24.5	27.6	28.8	26.7	26.1	30.8	24.3	90	88	73	71	76	80	------
17	60.05	60.23	61.11	58.86	59.40	60.12	25	24.5	27.7	28.7	26.8	25.5	31.2	24.2	85	87	74	66	85	88	.3
18	59.52	59.98	60.66	58.03	58.28	59.16	25	24.5	27.2	27.7	26.3	24.5	29.9	24	88	80	71	81	77	85	------
19	58.40	59	60.01	58.18	58.86	59.38	25	22.4	27.6	28.4	26.5	26	30	21.5	82	89	69	64	77	84	1.3
20	58.65	58.79	59.96	58.03	58.64	59.74	25.5	25.2	27	28.4	26.7	26.2	30.7	25	88	91	82	78	86	90	------
21	59.09	59.10	60.03	58.51	58.15	59.45	25	24.9	27.5	29.6	26.6	26.6	31.3	24.7	92	92	81	71	83	83	6.9
22	58.98	59.09	60.61	59.08	59.08	60.97	25.5	25.4	28.1	26.2	25	25.2	30.6	24.6	89	88	77	92	92	90	4.8
23	60.13	60.08	62.26	59.92	60.35	61.77	24.8	24.5	26.2	27.4	25.6	25.5	29.4	24.2	90	87	79	74	83	96	.3
24	60.19	59.92	60.90	59.02	59.31	60.72	25	24.7	28.6	28.5	24.9	25.1	30.8	24.4	93	90	76	78	92	90	1.1
25	60.09	60.28	61.17	59.56	60.22	61.52	25.1	25.3	28.4	27.4	24.9	25	29.7	24.4	86	89	80	84	92	92	5.9
26	60.64	60.88	61.37	59.19	59.56	60.78	24.8	24.6	27.5	28.4	26.7	25.7	30.3	24.6	92	89	80	75	83	86	------
27	60.58	60	61.23	59.53	59.58	60.69	24.8	23.7	27.5	28.5	26.7	25.6	30.7	23.6	89	94	78	78	86	92	------
28	59.93	60.37	61.92	59.76	60.06	61.11	25.3	25.1	27.4	28.7	26.4	25.6	31.2	24.1	92	92	83	77	88	90	1
29	60.33	60.70	62.15	59.88	60.81	61.89	25.4	24.7	28.3	29.4	26.8	25.9	31.9	24.6	90	94	75	69	87	84	1
30	60.84	61.18	62.16	60.16	60.47	61.27	25.4	24.4	28.4	28.6	25.1	25.5	31.2	23.3	84	88	76	77	88	87	------
31	60.17	60.47	61.21	58.96	59.85	60.57	25.4	25.4	28	29.5	25.4	24.7	31.9	24.7	88	89	79	72	92	94	5.3
Mean	59.93	60.09	61.13	59.09	59.50	60.66	25	24.5	27.7	28.3	26.2	25.5	30.7	24	88.9	89.2	77	75.1	84.5	87.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	49.7

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	SW	1	Calm	----	E	1	NE	1	Calm	----	Calm	----	10	Ci.-S.	N. SE	7	Ci.	Cu.	
2	Calm	----	Calm	----	N	1	N	1	N	1	N	1	7	Ci.	Cu.	7	Ci.	Cu.	N
3	Calm	----	W	1	NW	1	NNW	1	Calm	----	WNW	1	8	Ci.	N.-cf. N	6	Ci.	Cu.	N
4	NW	1	NNW	1	NW	1	WNW	1	WNW	1	Calm	----	9	Ci.-S.	Fr.-N. NW	9	Ci.-S.	Cu.	
5	Calm	----	S	1	S	1	NE	1	S	1	Calm	----	6	Ci.	N.	7	Ci.	Cu.	
6	Calm	----	Calm	----	NNE	1	NNE	1	NE	1	NE	1	5	Ci.-S.	Cu.	3	Ci.	Cu.	
7	Calm	----	NE	1	NE	1	N	1	N	1	NE	1	9	Ci.-S.	Fr.-N. NE	3	Ci.	Cu.	N
8	NE	1	NNE	1	N	2	N	1	N	1	N	1	4	Ci.	Fr.-Cu. N	6	Ci.	Cu.	N
9	NE	1	N	1	NNE	1	NNE	1	NE	1	NE	1	9	Ci.-S.	N.	10	Ci.-S.	Fr.-N.	NNE
10	NE	1	NE	1	NE	1	NE	1	NE	2	NE	2	8	Ci.-S.	N. NE	10	Ci.-S.	N.	NE
11	NE	1	NE	1	NE	1	NE	1	ENE	1	ENE	2	9	Ci.-S.	Fr.-N. NE	9	Ci.-S.	N.	
12	NE	1	NE	1	NE	1	NE	1	NE	1	NE	2	8	Ci.	Fr.-N. NE	3	Ci.	Cu.	NE
13	NE	2	NE	2	NE	2	NE	2	NE	1	Calm	----	9	Ci.-S.	Fr.-N. NE	5	Ci.	Cu.	NE
14	Calm	----	NE	1	NE	1	NE	1	NE	1	Calm	----	8	Ci.-S.	Fr.-N. NE	7	Ci.	Cu.	NE
15	Calm	----	NE	1	ENE	2	ENE	1	NE	1	NE	2	4	Ci.	N. NE	3	Ci.	Cu.	ENE
16	Calm	----	NE	1	NE	2	NE	1	NE	1	NE	1	7	Ci.	Cu. NE	4	Ci.	Cu.	NE
17	NE	2	NE	1	NE	1	NE	1	NNE	2	NE	1	2	Ci.	Cu. NE	4	Ci.	Cu.	
18	NE	2	NE	1	NE	1	NNW	1	Calm	----	Calm	----	7	Ci.-S.	N. NE	7	Ci.	Cu.	
19	W	1	Calm	----	NW	1	NNW	1	Calm	----	Calm	----	8	Ci.-S.	Fr.-N. N	3	Ci.	Cu.	
20	N	1	N	1	NNE	1	N	1	NNE	1	E	1	10	Ci.-S.	Fr.-N. N	7	Ci.	Cu.	N
21	NE	1	E	1	NE	1	NNE	1	NNE	1	N	1	10	Ci.-S.	N. NE	3	----------	Cu.	NNE
22	NE	1	NE	1	NE	2	NE	2	NE	2	NE	2	10	Ci.-S.	Fr.-N. NE	8	Ci.-S.	N.-cf.	NE
23	NE	2	NE	1	NE	2	NNE	2	NNE	1	NE	1	10	Ci.-S.	Fr.-N. NE	8	Ci.-S.	Cu.	NE
24	NNE	1	NNE	1	NE	1	NNE	2	NE	1	NE	1	8	Ci.	Fr.-Cu. NE	8	Ci.-S. NE	N.	NE
25	NE	1	NE	1	NE	2	NE	2	NE	2	NE	1	8	Ci.-S.	Fr.-N. NE	8	Ci.	N.-cf.	NE
26	NE	1	NE	1	NE	2	NE	1	Calm	----	NE	1	10	Ci.-S.	N. NE	6	Ci.	Cu.	NE
27	NE	1	Calm	----	ENE	1	ENE	1	Calm	----	Calm	----	7	Ci.	N.-cf. ENE	8	Ci.	Cu.	NE
28	NE	1	Calm	----	NE	1	NE	1	NE	1	NE	1	9	Ci.-S.	N. NE	6	Ci.	Cu.	NE
29	NE	1	ENE	1	E	2	ENE	2	N	1	NE	2	5	Ci.	N.-cf. NE	3	Ci.	Cu.	NE
30	NE	1	NE	2	N	1	NE	1	Calm	----	NE	1	9	Ci.-S.	N. NE	5	Ci.	Cu.	NE
31	NE	2	NE	1	NE	1	NE	1	NE	2	Calm	----	6	Ci.	N.-cf. NE	5	Ci.	Cu.	NE
Mean	------	0.9	------	0.9	------	1.3	------	1.2	------	0.9	------	0.9	7.7	----------	----------	6.1	----------	----------	

CALBAYOG.

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.80 mm.]

JANUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.18	60.11	60.68	58.34	59.59	60.44	21.8	21.3	30	30.5	25.6	23.7	32.6	21.1	94	95	64	57	81	92	------
2	59.82	60.63	61.16	59.31	60.64	61.36	21.5	20.4	29.7	29.6	25	22.8	32.6	20.2	94	96	56	64	83	94	1.5
3	60.59	60.95	61.90	59.97	61.23	61.95	22.8	21.6	26.3	30.2	24.7	21.8	31.1	21.2	95	96	82	65	82	94	.3
4	60.85	61.50	61.76	59.83	60.79	61.16	21.1	21	28.9	31	24.5	22.3	31.3	20.7	95	95	65	59	88	94	2
5	60.04	61.20	61.29	59.32	60.13	60.55	20.8	20	28	29.4	25.4	24.3	30.8	19.8	95	96	77	68	82	90	------
6	59.60	60.07	60.44	59.09	60.39	60.53	23.2	23.2	28	28.4	25.7	23.9	30.8	22.9	95	94	77	75	84	93	3.3
7	60.21	60.95	61.45	59.69	60.86	61.25	22.5	21.1	28.3	29.5	25.1	21.2	30.7	20.4	94	95	64	52	73	92	------
8	60.62	61.28	61.29	59.59	60.54	60.46	20.4	19.9	26.6	26.5	24.7	22.9	28.4	19.7	94	94	78	76	83	93	.5
9	59.78	60.62	61	59.06	60	60.87	21	22	27.2	28.1	24	22.9	29.7	20.7	95	96	79	75	93	94	6.3
10	60.16	61.37	62.03	59.93	61.44	61.89	21.8	20.5	26.3	28.5	25.1	22.7	30.1	20.3	96	96	86	64	89	95	3.5
11	61.30	62.55	63.16	61.08	61.96	62.64	21.4	22.4	27	25.9	24.8	22.8	27.7	20.8	96	96	80	86	90	95	2.5
12	61.68	62.23	63.04	60.54	62.05	62.71	22.1	21.9	25.3	24.9	24.1	23.8	26.9	21.4	96	96	92	95	90	90	6.3
13	61.65	62.46	63.35	60.77	61.96	63.41	22.8	22.1	28.5	30.5	25.3	22.1	31.3	20.7	93	94	67	57	72	93	------
14	62.35	62.92	63.34	60.74	61.39	62.69	20	19	28.4	30.6	25	21.9	31.6	18.7	94	96	66	54	77	93	------
15	61.78	62.20	63.20	60.69	61.81	63.40	20.8	20	28.7	31.4	25.2	22.6	32.6	19.6	95	95	65	50	74	92	------
16	62.61	62.91	64.04	61.44	62.20	63.39	20.7	19.3	27.3	31.5	25.5	22	32.2	18.9	94	95	68	53	73	92	------
17	62.63	62.97	63.78	61.48	62.81	63.77	20.8	20	28	31.7	25.4	22.2	32.6	19.7	94	94	62	50	70	90	------
18	62.70	62.91	63.60	61.37	61.96	63.25	19.7	18.4	28.9	31.6	26	22.7	32.8	18.1	92	95	59	43	72	92	------
19	62.66	63.31	64.20	62.14	62.94	63.69	22.4	20.1	29.7	31.4	25.9	22.6	32.8	19.8	93	94	59	50	74	93	------
20	62.96	62.90	63.86	61.67	62.49	63.67	21.3	20	26.7	29.1	24.7	21.5	29.3	19.8	94	94	69	56	76	92	------
21	62.61	62.73	63.55	61.57	62.59	63.03	19.8	19.6	29	31	24.8	20	32.2	18.2	91	92	55	39	70	92	------
22	62.41	62.71	63.64	60.84	61.51	62.12	18.8	17.9	28.2	31.5	25.4	22.	32.4	17.7	93	95	60	47	72	89	------
23	61.18	61.88	63.11	61.26	61.74	63.01	21.1	21.3	24.5	26.9	25.5	23.2	27.8	20.8	93	93	90	72	80	90	1.5
24	62.60	62.88	63.85	61.58	61.84	63.35	20.8	19.1	27.2	27.7	25.9	21.7	29.7	18.9	94	96	69	71	78	93	------
25	62.51	62.86	63.65	61.34	61.77	63.01	20.1	18.7	28.6	28.7	26.6	23.6	32.1	18.5	94	96	60	67	73	93	------
26	62.23	62.70	63.64	61.45	62.93	63.97	21.3	22.5	29.9	30.3	26	21.7	32	20.3	94	93	58	66	65	93	------
27	63.55	63.68	64.44	62.34	63.24	63.95	19.9	19.7	29.3	31	26.2	22.6	32.4	18.9	94	95	62	58	67	93	------
28	62.86	63.52	64.09	61.27	62.41	63.52	20.3	20	29.7	31.4	24.4	22.8	33.3	19.8	94	95	61	53	87	92	2.3
29	62.70	63.27	63.78	61.03	62.19	63.40	21.7	19.6	26.8	29.2	25.5	23	31.1	19.4	94	94	72	59	80	92	------
30	62.35	62.48	63.28	61.07	62.04	63	20.9	19.8	27.6	27.8	26	23	29.9	19.7	94	96	69	78	81	90	------
31	61.93	62.39	63.35	60.85	61.34	62.88	20.6	19.3	26.7	28.9	25.8	24.9	30.1	19	92	95	69	69	82	85	------
Mean	61.62	62.17	62.87	60.67	61.64	62.53	21.1	20.4	27.9	29.5	25.3	22.6	31	19.9	94	94.9	69	62.2	78.7	92.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	30

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	NE	ENE	Calm	NE	24.4	52.1	51.8	26	154.3	6	Ci.-S.	Fr.-S.	8	Ci.-S.	S.-cf. ENE
2	Calm	N	NE	SE	NE	Calm	35.4	58.9	60.4	32.5	187.2	2	Ci.	Fr.-S.	6	Ci.-S.	Cu. ENE
3	N	N	ENE	NE	N	N	27.1	43.8	77	27.2	175.1	8	Ci.-S.	S.-Cu.	8	Ci.-S.	S.-Cu. ENE
4	N	N	ENE	NE	Calm	N	35.6	50.5	47.8	25.1	159	6	Ci.-S.	S.-Cu.	7	Ci.-S.	S.-cf. ENE
5	Calm	Calm	E	NE	NE	NE	27.7	41	83.2	33	184.9	1	------	S.-Cu.	7	Ci.-S.	S.-Cu. ENE
6	Calm	Calm	NE	NE	NE	N	21.9	56.6	60.6	27.1	166.2	9	Ci.-S.	S.-Cu. ENE	9	Ci.-S.	S.-Cu. NE
7	Calm	Calm	NE	NE	Calm	Calm	34.3	63.3	73.2	22.7	193.5	1	------	S.-Cu.	4	------	Cu. NE
8	Calm	Calm	NE	NE	Calm	Calm	27.1	42	64.9	23.8	157.8	6	Ci.	S.-Cu. ENE	10	Ci.-S.	S.-Cu. NE
9	Calm	Calm	NE	NE	Calm	Calm	15.8	40.2	42	23.6	121.6	8	Ci.-S.	S.-Cu. NE	9	Ci.-S.	S.-Cu. NE
10	Calm	N	S	SW	Calm	N	30.4	44.9	52.8	22.8	150.9	0	Ci.	S.-Cu.	6	Ci.	Cu. NE
11	N	Calm	ENE	SE	Calm	Calm	31.1	34	37.3	16.7	119.1	7	Ci.-S.	S.-Cu. NE	9	Ci.-S.	N. ENE
12	Calm	Calm	Calm	S	E	Calm	19.9	24.6	52.9	44.5	141.9	9	Ci.-S.	S.-Cu. ENE	10	Ci.-S.	N. ENE
13	N	N	ENE	ENE	N	N	45.7	75.4	81	36	238.1	3	Ci.	S.-Cu.	6	Ci.	Cu. ENE
14	N	N	NE	N	N	Calm	36.2	55.7	65	30.8	187.7	2	Ci.	Fr.-S.	4	Ci.-S.	Cu. NE
15	N	N	NE	NE	N	Calm	24.4	54.4	75.6	27.9	182.3	7	Ci.-S.	S.-Cu. NE	5	------	Cu. NE
16	Calm	Calm	NE	NE	NE	N	25.1	45.1	56.5	26.4	153.1	4	Ci.	Cu.	6	------	Cu. NE
17	N	N	NNE	NE	NE	Calm	31.9	63.9	81.6	21.5	198.9	0	------	S.-Cu.	3	------	Cu. NE
18	Calm	Calm	NE	NE	NE	Calm	21.2	60.4	75.4	23.9	180.9	4	Ci.	S.-Cu.	6	Ci. EbyS	Cu. NE
19	Calm	Calm	NE	NE	NE	Calm	17.2	53.7	75	19.6	165.5	5	Ci.	S.-Cu. NE	5	Ci.	Cu. NE
20	Calm	Calm	NE	NE	NE	Calm	19	61.2	78.6	20.6	179.4	5	Ci.	S.-Cu.	8	Ci.-S.	S.-Cu. NE
21	Calm	Calm	NE	NE	NE	N	20.3	56.6	79.9	27.6	184.4	0	Ci.-S.	------	1	------	Cu.
22	N	N	NE	NNE	N	N	38.4	45.4	63.8	33.6	181.2	0	------	Cu.	7	------	Cu. SE
23	Calm	Calm	SE	SSW	Calm	Calm	19.3	32.7	29.2	28	109.2	9	Ci.-S.	S.-Cu. ENE	9	A.-Cu.	S.-Cu. E
24	N	N	SE	SSW	Calm	Calm	29.8	45.1	60.7	24.1	159.7	0	------	S.-Cu.	1	------	Cu.
25	N	N	E	S	N	N	29.8	44.8	61.2	45.6	181.4	0	------	S.-Cu.	4	------	Cu.
26	Calm	Calm	E	W	NE	Calm	22.7	42.4	60.6	22.5	148.2	7	------	S.-Cu. ENE	6	------	Cu. NE
27	Calm	Calm	NE	NE	NE	Calm	14.3	56.8	82.7	28.7	182.5	2	Ci.	------	6	Ci.-S.	Cu. NE
28	Calm	N	NE	NE	NE	N	29.8	47.8	68.1	34.1	179.8	5	Ci.	S.-Cu. NE	4	Ci.	Cu. NE
29	Calm	Calm	NE	NNE	NNE	Calm	15.3	52.3	56.1	20.3	144	1	------	S.-Cu.	8	Ci.-S.	S.-cf. NE
30	N	Calm	S	SW	Calm	N	27.4	51.2	59.5	29.3	167.4	0	------	S.-Cu.	5	------	Cu. NE
31	N	N	S	SW	Calm	Calm	29	51.5	64.4	28.5	173.4	0	------	Cu.	2	------	Cu.
Mean	------	------	------	------	------	------	26.7	49.9	63.8	27.5	168	3.8	------	------	6.1	------	------
Total	------	------	------	------	------	------	------	------	------	------	5,208.6	----	------	------	----	------	------

CALBAYOG.

[$\phi = 12°\ 04'$ N; $\lambda = 124°\ 36'$ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.80 mm.]

FEBRUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	61.77	62.75	63.05	60.89	61.55	62.84	22	19	27.2	27.8	24.5	23.8	28.8	18.9	95	95	66	68	88	93	1
2	61.62	61.92	62.78	60.67	61.51	62.98	22.7	21.5	29.5	29.5	26.5	24.7	31.7	21.4	95	96	67	66	80	91	------
3	61.73	62.05	63.06	60.84	61.70	62.65	23.8	23.1	28.8	26.6	24	23.6	30.9	22.8	91	92	67	77	91	93	3
4	61.85	62.17	62.96	61.33	62.73	63.31	22.9	22.7	30	29.2	26.2	24.5	31.7	22.6	94	95	66	58	70	82	------
5	62.15	62.96	63.73	61.68	63.16	64.09	23.6	23.6	28.1	30.4	25.2	23.9	30.7	22.6	89	88	71	60	78	85	.3
6	63.12	63.41	64.26	62.18	63.24	64.46	22.1	21.9	28.5	31.8	25.2	22.2	32.4	20.2	88	88	57	47	69	88	------
7	63.20	64.16	64.67	62.09	63.23	63.91	19.3	18	29.2	31	25.4	20.7	32.8	17.8	94	95	57	44	68	91	------
8	63.11	63.67	63.91	61.24	62.40	64.05	19.8	18.1	29.3	32.3	25.7	22.6	33.2	17.9	93	95	56	45	66	86	------
9	62.41	62.71	63.31	60.55	61.31	62.61	20.3	19	27	28.7	25.9	24.7	30.5	18.6	93	95	73	74	79	87	2.3
10	61.20	61.76	62.24	59.78	60.91	62	23.9	23.3	28.8	30.7	25.1	24	32	23.1	92	96	71	62	87	93	4.3
11	60.95	61.10	61.96	60.13	60.63	62.31	23.3	23	28.2	29	26.7	23.8	29.7	22.8	95	96	75	76	79	93	------
12	61.04	61.20	61.50	59.07	59.67	60.85	22.3	20.5	29.7	33	26.5	23.2	33.7	20.3	95	95	62	47	70	93	------
13	60.10	60.27	60.58	58.36	59.23	60.15	23.1	22.3	29.7	31.8	26.2	24.6	33.3	22	93	94	56	44	73	82	------
14	58.72	59.16	59.75	57.66	58.26	59.44	22.5	22.2	29.3	27.7	27	25.4	31.9	21.8	93	94	72	84	86	92	14.5
15	58.80	59.07	59.84	58.66	59.45	60.90	24.5	23.8	29.5	26.9	25.1	24.8	30.7	23.6	93	94	70	90	96	95	25.6
16	60.09	60.16	60.91	58.48	59.34	60.71	23.9	22.4	27.9	30.3	25.2	24.3	32.2	22.3	96	96	79	72	93	95	39.9
17	60.07	60.10	61.20	58.92	59.24	60.73	23.2	22.2	27.9	28.9	27.7	25	30.4	21.9	96	96	78	73	79	93	------
18	59.99	60.10	61	58.91	60.19	61.26	22.7	21.3	28	30.5	24.8	24.5	31.1	21.1	95	95	77	72	93	94	23.2
19	60.85	61.07	61.98	60.34	60.86	62.45	23.3	22.3	26.5	25.8	24.8	23.6	28.4	22.1	96	96	88	89	90	95	48.1
20	61.32	61.44	62.15	60.18	60.80	62.07	22.9	22.7	27.6	29.2	25.6	22.6	30.3	21.5	96	97	80	62	68	89	.8
21	61.60	61.72	62.17	60.02	60.66	62.10	21.7	22.1	29.3	30.3	26.1	22.8	31.7	21.1	96	95	66	56	69	87	------
22	61.33	61.43	62.08	60.18	60.55	61.34	21.3	20.8	27.5	25.6	25.9	23.7	28.2	20.2	92	93	68	88	88	94	1.8
23	61.42	61.50	61.80	59.80	59.96	61.51	21.6	20	29.6	25.8	24.7	23.7	30.1	19.8	96	97	65	92	92	95	33.5
24	60.69	60.65	60.89	58.32	59.22	60.37	22.1	22.5	26.5	30.4	26.6	23.7	32.5	21.6	96	96	86	62	75	92	.3
25	59.96	60.70	61.29	59.39	59.98	61.28	22.4	21.5	30	32	26.3	22.9	32.7	21.3	94	94	62	48	73	92	------
26	59.95	60.52	61.56	59.13	59.72	61.45	21.9	21.8	29.4	28.4	27.4	24.5	32.6	21.5	94	94	65	73	70	88	------
27	60.02	60.26	60.68	58.29	59.25	60.68	23.7	23.1	28.6	30.1	26.3	23.9	33.4	21.9	93	94	72	69	71	88	------
28	59.62	60.01	60.86	58.38	58.35	60.01	21.3	21.7	27.5	29.8	27.1	23.7	30	21	95	95	70	66	73	93	------
29	59.09	59.60	60.67	58.18	58.96	60.43	21.8	20.6	30.1	33.2	26.1	24	33.8	20.4	94	94	65	48	74	87	------
Mean	60.96	61.30	61.96	59.78	60.55	61.83	22.4	21.6	28.6	29.5	25.9	23.8	31.4	21.2	93.9	94.5	69.2	65.9	78.9	90.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	198.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	S	SW	NE	Calm	20.4	41.5	59.3	23.5	144.7	3	Ci.	------	8	A.-Cu.	S.-Cu. E
2	N	N	E	NW	NNE	Calm	29.5	51.3	72.1	26	178.9	2	------	S.-Cu.	6	------	Cu. N
3	Calm	Calm	NE	NE	Calm	Calm	18.2	37.6	60	21.9	137.7	10	A.-Cu.	S.-Cu.	9	Ci.-S.	S.-Cu. NE
4	Calm	Calm	NE	NE	NE	Calm	23.1	50.7	67.1	27.6	168.5	9	Ci.-S.	S.-Cu. NE	8	A.-Cu.	S.-Cu. NE
5	NE	NE	NE	NE	NE	NE	35.1	67.6	95.8	62.6	261.1	7	A.-Cu.	S.-Cu. ENE	7	A.-Cu.	s.-cf. ENE
6	Calm	NE	NE	NE	NE	N	26.8	78.3	95.3	42.8	243.2	6	Ci.-S.	------	5	Ci.	Cu. NE
7	Calm	N	NE	NE	NE	N	27.2	71.9	95	32.5	226.6	0	------	------	2	------	Cu. NE
8	N	N	NE	NE	NE	N	33	62.2	83.9	28.4	207.5	0	------	------	3	------	Cu. NE
9	N	Calm	N	N	N	Calm	23.9	35.6	54.4	27.6	141.5	2	Ci.	S.-Cu.	6	Ci.-S.	S.-Cu. NE
10	Calm	Calm	NE	NE	NE	N	23.6	54.5	66.6	26.8	171.5	9	A.-Cu.	S.-Cu. NE	9	Ci.-S.	S.-Cu. NE
11	Calm	NE	S	W	Calm	Calm	18.8	42.6	45.3	25.5	132.2	9	Ci.-S.	N. NE	4	------	Cu. ENE
12	Calm	Calm	NE	NE	NE	N	18.5	62.8	77.2	24.9	183.4	0	------	S.-Cu.	3	------	Cu. NE
13	Calm	Calm	NE	NNE	NE	NE	19.9	74.6	69.7	32.2	196.4	0	------	S.-Cu.	4	------	Cu. NE
14	Calm	Calm	N	N	Calm	Calm	15	41.2	44.5	20.4	121.1	5	Ci.-S.	S.-Cu.	7	A.-Cu.	S.-Cu.
15	N	N	NE	Calm	Calm	Calm	30.3	49.3	29	23.6	132.2	8	A.-Cu.	S.-Cu. NE	10	Ci.-S.	N. NE
16	NE	Calm	S	S	SE	Calm	17.7	34.1	47.5	24.4	123.7	2	------	S.-Cu.	5	------	Cu. E
17	Calm	Calm	SE	SW	Calm	Calm	12.9	41	63.3	28.4	145.6	3	------	S.-Cu.	2	------	Cu.
18	Calm	Calm	SSE	SW	ESE	Calm	20.4	41.6	66.3	19.1	147.4	0	Ci.	S.-Cu.	1	------	Cu.
19	Calm	Calm	NE	NNE	NNE	Calm	15.1	38.8	48.6	24.6	127.1	5	------	S.-Cu. NE	10	Ci.-S.	N. NE
20	Calm	Calm	S	ENE	NE	Calm	27.9	43.8	69	22.8	163.5	10	Ci.-S.	Fr.-N. NE	7	Ci.-S.	s.-Cu. ENE
21	Calm	N	E	E	E	Calm	32.5	59.7	81.5	25.7	199.4	5	Ci.	S.-Cu. NE	7	Ci.-S.	S.-cf. E
22	NE	Calm	S	W	Calm	Calm	30.3	37	44.6	14.7	126.6	0	------	Cu.	6	Ci.-S.	S.-Cu. E
23	N	NNE	NE	SSW	SE	Calm	33.8	45.3	37	20.1	136.2	2	Ci.	Cu.	9	Ci.-S.	N. ENE
24	Calm	Calm	S	SW	NE	NNE	27.4	42.1	53.3	51.5	174.3	10	Ci.-S.	Fr.-N. E	6	Ci.-S.	Cu. E
25	N	N	NE	NE	NNE	NE	33	75.8	76.7	40.2	225.7	0	Ci.	S.-Cu.	2	------	Cu. NE
26	NE	NE	NE	SE	NE	Calm	35.2	39.8	67	43.5	185.5	4	Ci.	S.-Cu. ENE	8	Ci.-S.	Cu. ENE
27	N	N	SSE	S	N	Calm	36	48	56.8	27.4	168.2	5	------	S.-Cu. ENE	5	------	Cu. E
28	Calm	N	S	SW	NE	Calm	24.4	42.9	50.7	25.4	143.4	0	Ci.	S.-Cu.	4	Ci.	Cu. E
29	Calm	Calm	NE	ENE	NE	N	15.9	81	86.1	39.4	222.4	0	------	S.-Cu.	2	------	Cu. ENE
Mean	------	------	------	------	------	------	25	51.5	64.3	29.4	170.2	4	------	------	5.7	------	------
Total	------	------	------	------	------	------	------	------	------	------	4,935.5	----	------	------	----	------	------

CALBAYOG.

[$\phi = 12°\ 04'$ N; $\lambda = 124°\ 36'$ E; barometer above sea, 5.5 meters; gravity correction not applied, −1.80 mm.]

MARCH, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.58	59.47	60.76	58.78	59.70	61.31	22.1	20.6	29	29.4	26.5	22.9	32.2	20.4	92	92	62	65	63	85	------
2	60.65	61.01	61.80	59.54	60.25	61.80	22.2	20.9	30.9	29.9	27.4	25.1	32.9	20.7	89	93	58	70	66	83	1
3	60.81	61.29	62.47	60.17	60.90	61.71	23.7	23.8	30.9	29.4	26.7	24	32.5	22.9	93	93	61	71	72	88	------
4	61.63	61.82	62.32	59.76	60.21	61.21	21.8	20.8	30.6	32.4	26	22.3	33.2	20.6	94	94	52	39	64	84	------
5	60.60	60.47	61.02	58.85	59.85	61.28	20.4	20.3	29.7	30	27.3	25.1	32.4	19.9	92	92	60	72	71	83	.5
6	60.56	60.87	61.80	59.76	60.40	61.54	23	21.9	29.6	32	27.4	25.1	34.6	21.6	92	94	64	53	70	83	------
7	60.75	61.25	62.09	59.75	60.59	62.10	24.4	23.2	28.5	29.5	27.2	24.4	32.8	23	87	91	73	73	73	87	------
8	61.65	61.95	62.87	60.17	61.08	62.85	22.9	21.3	30.8	34.1	27.3	22.9	34.7	21.1	92	95	57	42	61	88	------
9	62.66	63.05	63.54	60.48	60.93	62.46	20.8	19.5	30.7	30.5	26.8	22.4	33.7	19.3	91	92	50	53	59	84	------
10	61.65	62.16	62.68	60.69	60.91	61.72	20.9	20	27.4	27.1	24.6	23.6	29.2	19.6	93	93	70	78	87	91	------
11	60.32	60.38	61.09	58.94	58.78	60.11	21.6	20.3	27.8	29.5	27.2	25.2	31.2	19.9	93	94	76	65	76	87	------
12	58.67	58.93	60.02	57.67	58.15	59.75	22	21.7	28.6	29	26.7	25.9	30.2	21.5	95	96	71	74	82	84	------
13	58.02	59.13	60.18	57.80	57.79	59.94	23.3	21.7	28.3	30.3	28.8	25.7	31.7	21.4	92	94	70	64	71	88	------
14	59.09	60.13	61.42	59.36	59.48	61.24	22.7	21.3	28.8	29.9	28.2	22.9	30.7	21.1	93	95	70	63	75	91	------
15	60.55	60.84	61.57	59.47	59.85	61.14	21	19.8	29	29.7	27.2	23.1	31.4	19.5	93	94	64	67	70	90	------
16	60.65	60.92	61.78	59.32	59.50	61.23	20.8	19.1	30.6	31.9	27.6	23.4	32.6	18.7	93	94	50	52	64	86	------
17	60.05	61.55	62.09	59.75	59.91	62.11	23	21.6	30.6	29.2	26	20.2	32.2	19.3	89	91	55	66	55	87	------
18	61.34	61.69	62.79	60.22	60.75	62.51	18.7	18	30.9	29.6	26.9	24.7	34.5	17.8	91	92	46	55	65	78	------
19	61.77	62.09	62.98	60.52	60.90	62.26	21.5	19	27.2	27.8	25.8	23.9	29.5	18.6	93	95	69	69	78	91	------
20	61.52	61.83	62.57	60.29	60.83	63.03	22.6	20.4	31	31	27.7	24	32.7	20.2	93	94	55	60	69	88	------
21	61.82	62.09	62.94	61.62	61.94	63.37	22.8	23.4	32.5	26.9	26.4	23.9	32.7	22.4	91	90	54	68	73	89	------
22	62.72	62.95	63.23	60.58	61.32	62.91	23	22.3	30.9	34.7	27.7	25.1	35.3	22	92	95	60	43	68	82	------
23	61.66	61.94	62.48	60.37	61.08	61.89	24.6	24.4	30.8	29.5	27.6	24.2	34.7	22.9	86	87	52	66	66	86	------
24	61.01	61.86	62.39	60.41	61.18	63.11	21.7	21.1	28.9	32	29.2	24.1	32.5	20.8	93	94	69	58	67	91	------
25	62.67	63.03	63.58	60.97	61.78	63.24	21	20.8	31.2	33.6	27.3	23.6	34.9	20.5	93	93	50	42	58	80	------
26	62.65	62.83	63.21	60.31	60.75	62.44	21.4	20.6	28.3	32.5	28	23	33.7	20.4	92	92	66	45	64	88	------
27	61.65	61.80	63.18	60.68	60.82	62.62	22.9	22.4	26.8	27.9	27.1	23.4	30.3	21.3	89	91	81	77	78	88	8.9
28	61.76	62.05	62.64	60.11	60.69	61.96	21.5	21	30.4	32.4	27.7	25	33.7	20.6	94	95	61	51	64	78	------
29	61.27	61.46	63.20	60.93	61.70	62.71	22.9	21.8	25.5	27.3	25.5	23.3	31.1	21	91	94	86	75	82	94	2.3
30	61.65	61.87	62.40	60.39	60.84	62.49	21.8	21.6	31.9	30.2	28	25	34.1	20.9	95	96	54	64	66	81	------
31	61.40	61.36	62.11	60.14	60.80	62.31	23.6	23.3	28.6	31.8	27.1	23.7	33.5	22.2	90	91	70	53	63	85	------
Mean	61.06	61.42	62.23	59.93	60.44	61.95	22.1	21.2	29.	30.4	27.1	23.9	32.6	20.7	91.8	93.1	62.5	61.1	69	86.1	----
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	12.7

Day.	Wind.										Clouds.				
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.	
											Amount.	Form and direction.		Amount.	Form and direction.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	N	ESE	SW	NNE	N	30.8	40	71.3	37	179.1	0	----------	S.-Cu.	2	----------	Cu. E
2	NE	Calm	NE	SW	NE	Calm	34	70.2	64.2	25.7	194.1	0	----------	S.-Cu.	2	----------	Cu. ENE
3	NNE	Calm	E	SW	NE	Calm	29.3	45.9	63.1	41.3	179.6	9	A.-Cu.	S.-cu. ENE	6	----------	Cu. E
4	Calm	N	NE	NNE	N	Calm	27.2	59.8	80.5	29.3	196.8	0	----------	Cu.	3	Ci.	Cu. ENE
5	NE	Calm	E	SW	NNE	Calm	25.7	53.4	52.1	29.8	161	2	Ci.	S.-Cu.	5	Ci.-Cu.	Cu. E
6	Calm	N	NE	NNE	NNE	NNE	28.2	54.9	53.3	46.7	183.1	3	Ci.	S.-Cu.	7	Ci.-S.	Cu. ESE
7	NNE	Calm	NNE	SW	E	NE	35.7	35.9	55.7	28.8	156.1	0	----------	S.-Cu.	7	Ci.-S.	S.-cf. E
8	Calm	N	E	E	E	NNE	23	52.9	62.2	27.6	165.7	0	----------	Cu.	5	----------	Cu. E
9	NNE	Calm	E	SSW	NE	N	33.6	49.6	89.1	35.7	208	0	----------	Cu.	2	----------	Cu.
10	N	Calm	SSE	SSE	Calm	Calm	28	36.8	42.1	24.3	131.2	0	Ci.	S.-Cu.	8	Ci.-S.	S.-cu. ENE
11	Calm	N	S	SW	N	Calm	25.4	47.8	64.7	39.7	177.6	0	Ci.	S.-Cu.	1	----------	Cu.
12	Calm	N	S	S	Calm	Calm	26.8	43.5	65.2	20.4	155.9	3	----------	S.-Cu.	2	----------	Cu.
13	Calm	Calm	S	SSW	Calm	Calm	22.2	50.5	56.5	24.3	153.5	4	Ci.	S.-Cu.	1	----------	Cu.
14	Calm	N	S	SSW	Calm	Calm	33.5	56.6	70.5	23.3	183.9	0	Ci.	S.-Cu.	3	Ci.	Cu.
15	N	N	S	SSW	NNE	Calm	30.1	52.8	51.2	27.1	161.2	4	Ci.	S.-Cu.	5	Ci.	Cu. NE
16	Calm	N	E	SSW	NE	Calm	35.4	50.2	61.5	23.6	170.7	0	Ci.	----------	3	Ci.	Cu. ENE
17	Calm	Calm	NE	SW	NNE	N	16.6	40.5	73	34.1	164.2	5	Ci.-S.	S.-Cu.	5	Ci.	Cu. NE
18	N	N	E	SSW	N	Calm	46.4	56.9	76.9	30.9	211.1	0	----------	S.-Cu.	2	Ci.	Cu.
19	Calm	N	S	SW	N	Calm	30	47	46.1	28.4	151.5	1	Ci.	----------	8	Ci.-S.	S.-Cu. NE
20	N	Calm	ESE	SSW	Calm	Calm	26.2	52.3	52.1	30.4	161	4	Ci.	Cu.	6	----------	Cu. ENE
21	Calm	NNE	E	E	ENE	Calm	22	49.9	59.5	26.6	158	6	Ci.	S.-cu. ENE	9	Ci.-S.	S.-cu. ENE
22	N	Calm	E	E	ENE	NE	27.9	53.9	75.8	33.2	190.8	4	Ci.	S.-Cu.	6	Ci.	Cu. ENE
23	NE	Calm	E	S	NE	NNE	31.1	63.8	75.1	39.1	209.1	7	Ci.-S.	S.-cu. ENE	5	Ci.	Cu. E
24	Calm	Calm	SSE	SSW	E	Calm	19.9	49.1	56.9	26.8	152.7	0	Ci.	S.-Cu.	2	Ci.	Cu.
25	Calm	Calm	E	E	ENE	Calm	20.9	53.4	52.9	33.5	160.7	3	Ci.	Cu.	4	Ci.	Cu. ENE
26	Calm	NNW	NNE	ENE	NE	N	29.8	44.8	53.7	30.9	159.2	0	Ci.	Cu.	6	----------	Cu. ENE
27	Calm	Calm	Calm	Calm	NNE	Calm	24.1	36	34.9	24.3	119.3	7	----------	S.-cu. ENE	7	A.-Cu.	S.-cu. ENE
28	Calm	NNW	E	SE	NE	Calm	20.7	47	40.4	35.2	143.3	1	----------	S.-Cu.	5	A.-cu. ESE	Cu. E
29	Calm	N	E	S	E	Calm	20.1	46.4	48.3	36	150.8	0	----------	S.-Cu.	9	Ci.-S.	S.-cu. ESE
30	Calm	N	ENE	SSW	NE	Calm	14.7	55.5	67.3	46.4	183.9	1	----------	S.-Cu.	5	----------	Cu. E
31	Calm	Calm	E	E	NE	Calm	28.2	74.6	71.1	30.3	204.2	4	----------	S.-cu. ENE	7	A.-Cu.	Cu. ENE
Mean	------	------	------	------	------	------	27.3	50.7	60.9	31.3	170.2	2.2	----------	----------	4.8	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	5,277.3	----	----------	----------	----	----------	----------

CALBAYOG.

[$\phi = 12°\ 04'$ N; $\lambda = 124°\ 36'$ E; barometer above sea, 5.5 meters; gravity correction not applied, −1.80 mm.]

APRIL, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	61.21	61.22	61.93	59.65	59.74	61.81	21.7	20.9	31.1	34.1	27.7	23.9	35.7	20.6	93	94	54	50	60	83	
2	60.80	61.36	61.62	59.98	60.30	62.06	22.2	20.9	31.7	31.3	26.6	25.1	33.7	20.6	92	94	54	55	70	76	
3	60.93	61.25	61.93	59.89	60.13	61.48	23.7	22.5	27.6	30.1	27.7	24.5	31.1	22.3	85	92	73	63	62	80	
4	60.67	60.58	60.97	59.37	59.81	61.06	22.2	21.3	30.9	28	25.3	23.7	35	21.1	94	95	58	84	88	92	
5	60.72	59.86	60.71	58.80	59.09	60.73	22.1	21.1	27.7	29.5	27	23.9	30.4	20.8	94	95	78	72	88	94	2.1
6	60.42	60.28	61.05	58.99	59.45	61.11	21.9	20.3	28	29.4	27.8	25.4	33.3	20	95	95	77	76	69	79	
7	60.59	60.82	61.48	59.47	59.93	61.55	22.6	20.9	27.9	29	27.1	24.8	31.7	20.6	93	94	74	73	79	92	1.3
8	60.67	60.83	61.32	58.97	59.84	61.56	22.6	21.4	32.5	29.4	28.1	25.7	33.6	21.2	94	95	58	76	70	84	
9	60.60	60.85	61.39	59.72	60.50	61.90	23.1	22.3	27.9	27.7	27	24.7	31.3	22.1	93	95	81	88	87	93	4.1
10	61.54	61.95	62.47	60.20	61.13	63.03	23	22	31.2	33.3	28	25.2	34.6	21.8	96	96	62	54	71	87	
11	62.06	62.15	62.68	61.44	61.97	63.71	23.1	23.3	26.4	25	24.8	23.8	28.3	22.4	96	95	87	95	95	96	4.7
12	63	63.41	63.51	61.41	61.99	63.91	22	20.7	28	29.7	26.9	23.7	30.5	20.5	96	97	72	68	80	92	
13	63.37	63.39	64.24	62.03	62	63.93	23.2	22.5	27.7	27.9	26.7	24.1	30	21.9	93	94	82	77	79	91	13.7
14	62.95	63.31	63.62	60.92	61.29	62.83	23.6	23.5	30.5	32.3	28	23.7	33.7	22.3	93	94	63	54	63	88	
15	62.01	61.87	62.23	59.48	60.15	62.29	21.8	21.6	28.9	30.7	27.4	23.9	31.3	20.9	94	95	69	63	67	89	2
16	61.31	61.36	62.39	60.36	60.71	62.25	21.7	20.7	28.7	26.4	25.8	24.1	30.2	20.4	95	96	68	81	87	93	6.4
17	61.55	61.58	62.14	60.07	60.30	62.31	21.5	20.7	28.9	29.9	27.8	25.3	31.6	20.3	95	95	64	64	71	88	
18	61.57	61.33	61.95	59.68	59.89	61.56	22.7	21.6	28	30.8	28.5	25	32	21.4	93	95	76	70	74	91	
19	61	61.21	61.60	59.27	59.62	61.53	22.8	21.7	29.9	31	28.3	26.1	32.2	21.4	94	96	65	68	76	89	
20	60.04	60.31	61.17	59.09	59.32	61.70	24.7	23	32.9	31.8	28.9	25.4	34.6	22.7	93	95	51	66	64	84	
21	60.15	60.10	60.22	58.45	59.13	60.69	24	23.7	31.2	32	28.9	26.7	35.7	23.1	91	92	58	64	69	81	
22	59.88	59.89	60.24	58.11	58.94	60.72	25.8	25.1	33.5	35.1	28.9	25.6	36.4	24.5	86	91	52	46	71	86	
23	60.01	59.97	60.15	57.94	58.94	60.91	23.8	22.9	29	31.3	28.8	25	32.2	22.7	93	95	74	71	68	91	
24	60.39	59.91	60.49	58.38	58.35	60.75	22.6	21	32	30.9	28.9	24.2	32.7	20.6	93	95	54	64	65	91	
25	59.64	59.58	60.04	57.70	58.59	60.56	22.3	21.5	33	33	28.7	24.9	34.1	20.9	91	92	52	57	65	86	
26	59.77	60.15	60.57	58.54	58.80	60.15	22.4	22.6	30.8	29.5	28.2	26.2	32.9	21.4	94	93	60	70	67	78	
27	59.65	59.83	60.59	59.34	59.06	60.66	25	25.1	29.4	28.7	25.7	24.7	33.9	24.1	90	92	74	83	93	93	40.8
28	59.80	59.82	60.59	59.30	59.12	60.59	24	23.5	29.1	26.4	25.8	25.1	29.7	23.3	94	96	66	94	94	95	4.6
29	59.57	59.70	60.17	57.84	58.20	59.96	23.8	22.8	30.5	30	28.8	25.3	30.8	22.6	96	97	70	72	78	93	
30	58.77	58.75	59.14	56.89	57.04	59.10	23	22.2	28.7	30.7	29.7	26.7	32	21.9	95	96	75	67	70	85	
Mean	60.82	60.89	61.42	59.38	59.78	61.55	23	22.1	29.8	30.2	27.6	24.9	32.5	21.7	93.1	94.5	66.7	69.5	74.7	88	
Total																					122

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.	
												Amount.	Form and direction.		Amount.	Form and direction.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1	Calm	Calm	ENE	SE	NE	NE	19.6	54.7	77.2	38	189.5	0		S.-Cu.	3		Cu. ENE
2	N	Calm	E	E	ENE	NE	29	56.1	62.5	31.9	179.5	0		S.-Cu.	8	A.-Cu.	S.-Cu. E
3	NNE	NNE	S	SSW	NE	Calm	32.8	43.8	57.6	35.6	169.8	4		S.-Cu.	5		Cu. ESE
4	Calm	Calm	ENE	SE	NE	NE	19.8	49.9	48.9	29	147.6	0		S.-Cu.	8	Ci.-S.	S.-Cu. NE
5	Calm	Calm	S	SSW	Calm	Calm	25.1	42	55.5	24.9	147.5	0	Ci.	Cu.	6	Ci.-S.	S.-cf. NE
6	Calm	N	S	SW	NNE	Calm	20.6	42.3	92.3	26.4	181.6	4	Ci.	S.-Cu.	6		Cu. N
7	Calm	N	NE	NNW	NNE	Calm	21.1	39.1	69.5	29.8	159.5	3	Ci.	S.-Cu. N	8	Ci.-S.	S.-Cu. N
8	Calm	N	NE	SSW	N	N	19.5	48.1	79.7	30.4	177.7	0		Cu.	6	Ci.	Cu. NE
9	Calm	Calm	S	N	Calm	Calm	18.2	46.1	39.4	22	125.7	4	Ci.	S.-Cu.	8	Ci.-S.	Cu.-N.
10	Calm	Calm	NE	NE	NE	Calm	21.2	52.5	81.5	19	174.2	0	Ci.	Cu.	5		Cu. NE
11	Calm	Calm	S	E	Calm	Calm	16.1	30.6	23.3	24.6	94.6	8	Ci.-S.	S.-Cu.	10	A.-Cu.	N. NE
12	N	Calm	S	SW	Calm	Calm	20.7	46.1	48.9	26	141.7	0		S.-Cu.	6		Cu. ENE
13	N	NNE	Calm	S	NNE	Calm	31.6	37.5	47.2	28	144.3	4	Ci.	Cu.	9	Ci.-S.	S.-Cu. E
14	Calm	NE	ENE	E	NE	Calm	25.2	60.7	72.9	26.6	185.4	9	Ci.-S.	S.-Cu. E	3		Cu. E
15	Calm	Calm	S	SW	ENE	Calm	26.9	46.5	48.6	29.6	151.6	1		S.-Cu.	7		Cu. E
16	N	N	S	Calm	Calm	Calm	26.8	50.1	48.5	25.5	150.9	1		S.-Cu.	9	A.-Cu.	N. E
17	N	N	S	SSW	N	Calm	26.9	52	57.3	28.8	165	0			2		Cu. NE
18	Calm	N	S	SW	N	Calm	28.2	46.1	52	25.1	151.4	0		S.-Cu.	1		Cu.
19	N	N	S	SW	E	Calm	34.1	51.5	53.1	28.2	166.9	0		S.-Cu.	1		Cu.
20	Calm	Calm	E	SW	NE	Calm	20.8	48.1	64.4	40.8	174	0		Cu.	5		Cu. E
21	NE	NE	ENE	WSW	NE	NE	37.8	59.2	59.5	61.2	217.7	0		S.-Cu.	4		Cu. E
22	NE	NE	ENE	E	NE	NE	25.9	67.1	74.8	48.1	215.9	1		Cu.	4		Cu. E
23	Calm	NE	S	WSW	NE	Calm	22.7	52.9	46.7	34.1	156.4	8		S.-Cu. ENE	3		Cu. ENE
24	N	N	NE	WSW	ENE	Calm	35.1	53.1	64.4	33.3	185.9	0			3		Cu. NE
25	NE	Calm	E	W	NE	NE	26	45.4	59.2	29.3	159.9	0		Cu.	1		Cu.
26	NNE	Calm	E	N	NE	Calm	34.8	34.4	71.4	27.7	168.3	0		S.-Cu.	9	Ci.-S.	S.-Cu. E
27	Calm	Calm	SSW	NNE	NNE	N	16.4	44.9	42.4	30.8	134.5	9	A.-Cu.	S.-Cu. NE	10	A.-Cu.	N. NNE
28	Calm	NNE	SSW	NE	Calm	Calm	29.5	42.1	29.8	22.3	123.7	1		Cu.	10	A.-Cu.	N. ENE
29	Calm	Calm	SE	SSW	Calm	Calm	28.8	48.3	50.9	21.9	149.9	0		Cu.	2		Cu.
30	NNE	NNE	S	SSW	Calm	Calm	31.7	53.6	55.8	19.5	160.6	0		S.-Cu.	1		Cu.
Mean							25.8	48.2	57.8	29.9	161.7	1.9			5.4		
Total											4,851.2						

CALBAYOG.

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.80 mm.]

MAY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.61	58.98	59.24	56.62	57.03	59.33	23.7	22.2	28.7	30.9	29.1	26.8	32.2	22	94	95	71	60	71	85	------
2	58.80	58.97	59.58	57.87	58.34	60.85	23.7	22.5	29.3	30.8	29.5	26.8	31.5	22.2	93	94	71	69	70	85	------
3	60.31	60.79	61.28	59.16	59.67	61.96	25.8	25	29.8	30.6	29.6	25.8	31.9	24	88	89	69	68	70	92	------
4	61.05	60.99	61.49	59.04	59.28	60.84	23.4	22.3	29.1	31	28.4	25.9	32.2	22	94	95	70	65	68	84	------
5	59.75	60.31	60.60	58.23	58.59	59.74	23.1	21.8	29	31.3	28.5	25.6	31.9	21.3	93	94	68	61	73	86	------
6	58.97	59.25	59.88	57.61	58	59.95	23.7	22.6	29.7	30.2	28.8	25.5	30.9	22.3	93	94	71	66	71	86	------
7	59.09	59.54	59.87	57.91	58.12	59.90	23.4	22.4	30.2	31.1	29.8	26.6	32.7	22	93	94	66	63	63	80	------
8	59	59.69	60.33	58.06	58.35	59.46	23.9	23	30.2	31	28.6	25.2	32.2	22.5	92	94	64	67	69	88	------
9	58.98	59.22	59.64	57.36	57.86	60.09	23.9	22.9	29.6	31.2	30	26	32.3	22.6	91	93	63	59	64	86	------
10	59.85	60.20	60.48	58.69	59.73	61.30	22.8	22.4	32.2	31.1	26	24.8	33.3	21.7	92	93	54	67	89	93	10.4
11	60.45	60.80	60.59	58.94	59.10	60.55	23.2	22.8	29.7	29.9	27.8	25.5	32.1	22.6	95	96	73	70	84	91	4.8
12	59.96	60.22	60.08	57.88	58.40	59.88	23.6	22.9	29.1	30	28.8	26.4	32.7	22.3	94	96	72	65	77	90	------
13	58.96	59.29	59.58	57.33	57.58	59.34	24.2	23.2	29.9	31.8	29.3	26.7	32.3	22.9	94	95	68	56	72	85	------
14	58.51	58.87	59.57	58.03	58.17	60.04	25	25.4	30.1	31.9	29.2	26.1	33.4	24.7	90	88	70	68	70	86	------
15	59.06	59.17	59.72	57.97	58.07	60	23.9	23.3	30.6	33	30.7	27.4	33.7	23	92	93	70	63	69	83	------
16	58.84	59.03	59.54	57.95	57.51	59.50	26	25.2	30.9	32.7	30.8	26.7	33.2	23.9	90	91	69	62	67	87	------
17	58.52	58.76	59.58	57.16	58.82	60	24.7	24.3	30.7	32	25.3	24.2	33.7	23.7	92	93	69	62	86	93	2.5
18	59.02	59.04	59.81	58.12	58.15	60.05	23.7	22.9	29.9	31.3	29.3	27.1	32.6	22.7	95	97	73	71	80	87	------
19	59.01	59.31	59.01	57.43	57.91	59.04	24.9	23.9	33.7	32.5	26.1	25.6	34.4	23.5	94	95	55	63	85	87	------
20	58.52	58.61	58.39	56.84	57.64	58.93	24.4	23.7	30.2	31	26.7	25.1	33.4	23.4	93	95	69	68	85	90	------
21	58.54	58.81	59.29	57.20	58.23	59.39	24	23.8	30.6	31.9	30.7	27.2	33.1	23.4	95	96	69	64	64	85	------
22	58.70	58.82	59.54	57.56	58.15	59.23	25.2	24.3	31.1	32.4	28.8	26.9	33.3	24.1	92	94	66	61	77	86	------
23	58.69	59.08	59.47	57.37	57.50	59.53	25.2	23.7	31	32	30.8	27.7	32.6	23.3	92	94	69	61	60	76	------
24	58.55	58.82	58.49	56.73	57.07	58.93	25.6	24.3	30.8	32.3	28.4	27	34.2	23.8	88	93	67	63	84	86	1.8
25	57.94	58.03	58.14	55.80	56.15	57.69	25.9	24.7	30.3	32	31	26.9	33	24.1	91	94	70	62	67	89	------
26	57.25	57.86	58.21	56.27	56.95	58.49	25.2	23.7	31.2	32	31.2	27.7	33.3	23.3	93	94	62	68	66	81	------
27	57.59	58.02	58.27	56.45	57.56	59.64	25.5	24.6	30.8	32.4	26.5	25.2	34.2	24.3	89	92	69	66	84	91	1.3
28	58.68	58.76	59.19	57.57	57.88	60.19	24.1	24.2	30.9	32.4	29.3	27.2	33.6	23.6	95	96	65	67	84	85	2
29	59.70	59.79	59.96	57.45	57.97	59.82	25.7	24.6	30.9	32.8	29.3	27.1	33.2	24.3	93	94	70	64	79	85	------
30	58.97	59.29	59.91	57.72	57.68	59.36	25	24.6	31.9	33	29.4	26.3	33.8	24.2	92	94	65	60	69	87	------
31	58.55	58.87	59.61	56.95	58.31	59.90	24.7	24	31.6	32.3	25.9	24.9	33.1	23.5	93	94	70	67	85	88	.5
Mean	58.98	59.26	59.62	57.59	58.06	59.77	24.4	23.6	30.4	31.6	28.8	26.3	32.9	23.1	92.4	93.8	67.6	64.4	74.3	86.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	23.3

Day.	Wind.										Clouds.				
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.		2 p. m.	
												Amount.	Form and direction.	Amount.	Form and direction.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper. Lower.		Upper. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*		*0–10*	
1	Calm	N	S	SSW	ENE	ENE	29.5	54.2	48.1	25.5	157.3	0	---------- S.-Cu.	1	---------- Cu.
2	NNE	Calm	SSW	SW	NE	Calm	27.7	57.3	56.3	27.9	169.2	0	---------- S.-Cu.	5	Ci. S.-cf. NE
3	Calm	Calm	S	SSW	Calm	Calm	21.4	46.1	56.8	27.6	151.9	6	A.-Cu. SSE S.-Cu.	4	---------- Cu. E
4	Calm	Calm	S	W	NE	NNE	28.2	54.4	66.2	29	177.8	2	Ci. Cu.	3	Ci. Cu.
5	Calm	N	S	WSW	NE	NE	33.2	45.6	52.3	24.6	155.7	3	Ci. S.-Cu.	5	Ci. SW Cu.
6	Calm	NE	S	SW	Calm	Calm	30.9	40.4	52.8	22.3	146.4	4	Ci. SEbyS S.-Cu.	3	Ci. Cu.
7	Calm	N	S	SSW	ENE	Calm	31.2	47.2	58.4	29.2	166	4	Ci. SE Cu.	1	---------- Cu.
8	N	NNW	S	SW	Calm	NNE	31.4	44.6	56	22.7	154.7	5	A.-Cu. W S.-Cu.	1	---------- Cu.
9	NNE	Calm	S	S	Calm	Calm	26.9	57.1	65	22.2	171.2	1	---------- S.-Cu.	2	---------- Cu. NbyE
10	N	N	NE	SW	NNW	Calm	33.8	44.9	45.3	19	143	8	A.-Cu. SSE S.-Cu.	7	---------- s.-cf. ENE
11	Calm	Calm	S	W	Calm	Calm	28.4	40	37.5	23.9	129.8	3	---------- S.-Cu.	6	---------- Cu.
12	Calm	N	S	SSW	NE	Calm	26.8	45.1	51	24.9	147.8	2	Ci. S.-Cu.	4	Ci. Cu.
13	Calm	N	S	SW	ENE	Calm	26.6	42.1	50.7	25.5	144.9	2	Ci. S.-Cu.	1	---------- Cu.
14	Calm	Calm	S	SW	NNW	Calm	28.7	45.1	61.2	20.1	155.1	3	---------- S.-Cu. SSE	1	---------- Cu.
15	Calm	N	S	SW	Calm	Calm	29.2	53.1	47.3	25.7	155.3	2	Ci. S.-Cu.	2	Ci. Cu.
16	E	E	S	SW	Calm	Calm	25.4	60.2	57.4	20.7	163.7	4	Ci. S.-Cu.	4	Ci. E Cu.
17	Calm	NNW	S	SW	Calm	Calm	27.2	50.4	56.3	24.6	158.5	2	Ci. S.-Cu.	2	Ci. Cu.
18	NNE	N	S	SW	NNE	Calm	34.4	45.4	57.6	28.7	166.1	2	Ci. S.-Cu.	5	Ci. ENE Cu.-N.
19	Calm	Calm	E	SSW	N	Calm	26.8	46.7	56	33	162.5	0	Ci. S.-Cu.	3	---------- Cu. E
20	Calm	Calm	S	SSW	NNW	NE	22.3	56.9	51.3	22	158.5	0	Ci. Cu.	7	Ci.-S. cu.-N.ENE
21	NE	Calm	SE	SSW	ESE	Calm	32.2	49.3	41.8	21.2	144.5	0	Ci. Cu.	4	Ci.-S. Cu.-N.
22	NE	Calm	S	SSW	NE	Calm	29	41.6	67	24.7	162.3	5	Ci. SSE S.-Cu.	5	Ci. Cu.-N.
23	Calm	NNE	ESE	SSW	Calm	Calm	26.8	45.1	50.9	27.1	149.9	5	Ci. N S.-Cu.	7	Ci.-S. Cu.
24	NE	N	S	SSW	NNE	SW	30.4	63	71	58.2	222.6	2	Ci. Cu.	5	Ci. Cu. NE
25	Calm	Calm	S	SSW	Calm	Calm	33.3	48.6	62.8	24.7	169.4	8	Ci.-S. S.-Cu.	2	Ci. Cu.
26	Calm	N	S	SW	SE	Calm	28.8	44.1	56.9	21.2	151	0	---------- Cu.	1	---------- Cu.
27	Calm	N	S	SW	Calm	Calm	29.2	48.8	60.7	26.4	165.1	4	Ci. s.-cu. sbyE	3	Ci. Cu.
28	NNE	Calm	SSE	SW	Calm	Calm	35.2	48.3	56	20.4	159.9	5	ci.-s. SEbyS Cu.	6	Ci.-S. Cu.
29	NNE	N	S	SSW	Calm	Calm	29.5	48.6	59.5	18	155.6	1	---------- S.-Cu.	2	Ci. Cu.
30	Calm	Calm	SSE	SSW	NE	N	28.7	50.1	43.5	30.4	152.7	0	---------- S.-Cu.	2	Ci. Cu.-N.
31	N	N	S	SW	NNE	N	35.1	43.8	59	38.8	176.7	0	Ci. S.-Cu.	2	Ci. Cu.
Mean	------	------	------	------	------	------	29.3	48.6	55.2	26.3	159.5	2.7	---------- ----------	3.4	---------- ----------
Total	------	------	------	------	------	------	------	------	------	------	4,945.1	----	---------- ----------	----	---------- ----------

CALBAYOG.

[$\phi = 12°\ 04'$ N; $\lambda = 124°\ 36'$ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.80 mm.]

JUNE, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.71	58.99	59.19	57.05	57.75	59.76	23.9	23.6	30.9	32.8	27.2	25.8	33.1	23	94	96	68	63	84	92	
2	59.74	60.02	59.82	58.52	58.69	60.14	24.6	24	34.7	31.4	26.8	26	35.4	23.6	94	96	54	72	91	93	4.6
3	59.53	59.51	59.71	58.87	58.56	59.50	24.9	24.8	31.4	25.7	27.8	25.8	32.3	23.7	95	96	68	84	87	93	4.1
4	58.64	58.78	58.65	56.82	57.14	58.88	24.6	24.3	31	32.2	30.2	27.2	33.1	23.7	95	97	69	62	73	86	1
5	58.24	58.54	58.78	56.45	57.19	58.86	25	24.2	31.2	32.5	28	26	32.8	23.6	90	91	69	59	77	87	
6	58.78	59.07	58.84	56.35	56.76	59.05	24.9	24.3	31.5	31.5	28.3	27.5	32.7	23.9	92	95	70	68	78	81	
7	58.51	58.81	58.98	56.61	57.10	58.66	25.3	24.8	31.3	32.9	30.6	27	34.7	24.4	93	95	67	60	67	84	
8	57.90	58.43	58.79	56.80	57.84	59.49	25.3	25	31.6	32.1	28.2	25.8	33.1	24.7	93	93	71	69	80	92	
9	58.66	58.78	58.81	56.65	57.46	59.66	24.7	24.2	30.9	32.5	26.8	26.2	34.3	23.7	93	95	73	67	88	90	.5
10	58.83	59.58	59.79	57	57.22	59.35	25.1	24	30.9	32.4	29	27.3	33.1	23.8	92	94	71	68	77	84	.5
11	58.45	59.21	60.13	58.49	58.19	60.09	25.7	25.4	26.2	29.9	29	27.2	32.6	24.8	94	96	91	78	76	84	4.1
12	58.91	59.03	59.79	57.99	58.44	59.33	25.9	25	30.4	30.3	29.2	26.7	31.7	24.5	91	94	70	73	80	86	1
13	58.98	59.12	59.79	57.71	58.60	60.21	25.5	24.5	30.3	33.5	28.3	25.8	34.5	24.3	88	95	74	59	87	93	3.6
14	59.62	59.56	59.99	57.65	57.55	59.80	24.8	24.7	30.9	31.9	28.7	26.7	33.4	24.4	96	97	72	66	73	86	
15	58.90	58.81	59.12	56.86	56.36	58.74	25	24.3	31.5	32.4	31.4	25.7	32.8	23.8	93	94	70	64	68	95	37.1
16	58.46	57.78	57.88	56.15	56.28	57.74	24.3	23.9	30.7	31.5	30.6	27	32.2	23.4	96	96	74	67	72	89	1.8
17	57.32	56.66	57.34	56.32	56.63	57.79	26.7	25.6	30.2	31.3	29.8	28.1	32.4	25.2	88	93	74	63	73	81	
18	56.85	57.75	58.38	56.59	57.17	58.16	27.7	26.2	31	30.8	29.6	26.5	32.7	25.5	82	92	71	72	75	88	
19	57.80	57.98	57.61	56.08	56.77	57.97	25.2	24.8	30.7	33.5	31	28.8	34.2	24.5	94	96	72	62	70	78	
20	57.09	57.64	57.65	56.30	56.42	58.08	26.7	26.6	30.4	31.6	30.4	27.3	32.6	25.7	92	93	74	70	70	86	19
21	57.53	57.38	57.99	56.51	57.14	58.25	27.5	25.3	30.7	31.4	29.5	26.6	32.9	24.9	85	93	73	69	72	87	9.2
22	58.12	59.12	59.05	56.46	56.84	59.36	25.4	25.2	30	31.4	30.1	25.1	32.4	24.2	94	95	77	66	75	94	35.8
23	58.66	58.73	58.98	56.98	57.07	58.61	23.9	23.7	30.4	32.7	29.5	27.2	33.3	23.1	96	97	74	64	76	85	
24	58.33	58.23	58.50	56.32	56.61	58.73	25.2	24.1	30.2	32.5	31.2	27.2	33.7	23.4	94	95	67	44	60	83	
25	58.01	58.36	58.39	56.55	56.72	59.33	24.2	23.4	30.5	32.2	31.5	28	33.5	22.9	92	94	68	53	56	75	
26	58.60	58.53	58.87	57.15	57.16	59.45	25.7	23.9	30.9	32.8	30.6	25.7	34.4	23.6	88	94	68	58	73	93	2
27	58.90	58.89	58.62	56.85	56.82	58.89	24.1	23.8	30.7	32	30.8	27.7	33.1	23.6	94	96	70	68	65	81	
28	58.11	58.02	58.30	56.63	56.46	58.24	25.9	25	30.5	31.9	31.1	28	32.7	24	91	94	70	67	65	79	30
29	58.10	57.96	59.05	56.49	57.04	58.83	23.9	23.3	29.4	29.5	28.8	26	31.1	23	95	97	74	75	76	89	
30	58.75	58.58	59.02	57.01	57.11	59.09	24.7	23.7	29.9	31.6	30.1	27.6	32.4	23.4	94	97	67	64	69	81	
Mean	58.43	58.60	58.86	56.94	57.24	59	25.2	24.5	30.7	31.7	29.5	26.8	33.1	24	92.3	94.9	71	65.8	74.4	86.5	
Total																					154.3

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	N	S	S	N	N	38.8	47.3	61.8	32.2	180.1	0	Ci.	S.-Cu.	5	Ci.	Cu.-N.ENE
2	N	N	E	N	NNE	Calm	27.9	47.8	45.9	22	143.6	0	Ci.	Cu.	8	Ci.-S.	N. NE
3	N	Calm	S	N	Calm	Calm	30.3	41.2	37.5	17.1	126.1	0		Cu.	9	Ci.-S.	Fr.-N. ENE
4	Calm	N	S	SSW	Calm	Calm	28.2	40.8	45.9	31.4	146.3	2	Ci.	S.-Cu.	2	Ci.	Cu.
5	Calm	N	S	SW	NNE	N	29.5	43.1	46.9	28.2	147.7	1		S.-Cu.	2		Cu.-N.
6	N	NNE	SSE	SSW	NNE	Calm	33.8	54.7	53.6	26.4	168.5	1		S.-Cu.	5	Ci.-S.	Cu.-N.ENE
7	NE	NNE	SSW	SSW	Calm	Calm	30.8	51.8	54.9	20.7	158.2	2	Ci.	Cu.	6	Ci.-S.	Cu.-N.ENE
8	NNW	NNE	S	SSW	ENE	NNE	34.8	43.1	62.2	30.6	170.7	0		Cu.-N.	2	Ci.-S.	Cu.
9	N	N	SSE	WSW	NE	Calm	32.5	40.7	58.7	26.4	158.3	0		Cu.	1		Cu.
10	Calm	Calm	S	SW	Calm	Calm	23	39.1	52	25.9	140	3	Ci.-S.	S.-Cu	2	Ci.	Cu.
11	NNE	NE	NNW	S	Calm	Calm	31.9	33.8	34.3	20.1	120.1	10	Ci.-S.	Fr.-N.	10	A.-Cu.	S.-Cu.
12	Calm	NW	SSE	SW	Calm	NE	26.2	36.8	43.8	22.5	129.3	6	Ci.-S.	S.-Cu.SSW	9	Ci.-S.	S.-Cu.
13	Calm	NNW	S	W	Calm	Calm	25.7	39.2	49.9	30.4	145.2	1		Cu.	5	Ci.-S.	Cu. SW
14	NNE	Calm	S	SSW	NNE	Calm	29.6	48.8	47.3	25.4	151.1	4	A.-Cu. E	S.-Cu.	1		Cu.
15	Calm	Calm	S	SSW	Calm	NW	28.8	50.9	61.8	41.5	183	4	Ci. ESE	S.-Cu.	1		Cu.
16	NNE	Calm	S	SW	Calm	NE	38.9	44.5	37.3	25.2	145.9	4	Ci.	S.-Cu.	2	Ci.	Cu.
17	SW	Calm	SW	SSW	SW	Calm	41.3	53.9	46.7	49.1	191	4	Ci.	S.-Cu. SW	9	Ci.-S.	Cu.
18	NW	NW	W	SW	NW	Calm	36	49.9	58.2	26.8	170.9	5	Ci.-S.	S.-Cu. SW	9	Ci.-S.	Cu.
19	NNW	Calm	SSW	SW	SSW	NW	26.2	55.2	50.2	44.1	175.7	5	Ci.	S.-Cu. SW	5	Ci. ENE	Cu. SW
20	Calm	Calm	SW	W	WNW	Calm	26.2	44.5	48.9	23.9	143.5	9	Ci.-S.	N. SW	8	Ci.-S. ENE	Cu.
21	SSW	Calm	S	SW	Calm	NW	43.8	45.4	50.1	27.9	167.2	6	Ci.-S. NbyE	S.-Cu. SW	7	Ci.-S.	Cu.
22	Calm	Calm	SSE	S	Calm	NNW	29.3	38.4	34.8	33.5	136	9	Ci.-S.	N. SW	7	Ci.-S. ENE	Cu.
23	NNW	N	SSE	SW	Calm	Calm	34.1	39.2	43.8	20.9	138	7	Ci.-S. NbyE	Cu.	7	Ci. NNE	Cu.
24	NNW	N	S	S	Calm	Calm	27.7	41.3	55.5	21.7	146.2	0	Ci.	Cu.	2	Ci.	Cu.
25	N	N	S	SSW	WNW	Calm	29.6	47.2	56	19.1	151.9	2	Ci.	S.-Cu.	4	Ci. SE	Cu.
26	Calm	N	SSE	SW	Calm	Calm	28.2	53.6	48.9	40.2	170.9	2	Ci.	S.-Cu.	1		Cu.
27	N	N	S	W	Calm	NNE	35.6	42.3	50.9	21.5	150.3	4	Ci.	Cu.-N.	4	Ci. SWbyS	Cu.
28	NNE	Calm	SSW	SW	Calm	E	28.4	46.4	47.2	44	166	1		Cu.	1		Cu.
29	N	N	SE	S	ESE	Calm	29.3	30	32.5	27.9	119.7	3	Ci.	Cu.	9	Ci.-S.	S.-Cu.
30	NNE	N	S	SSW	Calm	Calm	31.6	43.5	58.7	26	159.8	2	Ci.	Cu.	3	Ci.	Cu.
Mean							31.3	44.5	49.2	28.4	153.4	3.2			4.9		
Total											4,601.2						

CALBAYOG.

[$\phi = 12°\ 04'$ N; $\lambda = 124°\ 36'$ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.80 mm.]

JULY, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.50	58.53	58.90	56.52	57.34	58.86	25.1	24.3	30.8	31.8	27.4	26	32.3	24	93	94	68	59	90	94	3.3
2	58.12	58.18	58.25	57.12	57.14	58.69	24.9	24.1	29	30.2	27	25.8	30.7	23.8	95	96	72	68	88	93	2
3	58.07	58.49	58.84	57.20	58.56	59.48	25	24.3	29	30	26.2	24.6	31.3	23.9	94	95	77	69	90	94	11.9
4	59.57	59.79	60	58.54	58.96	60.05	23.8	23.3	29.2	29.7	28	25.7	30.3	23	96	97	74	70	80	93	------
5	59.84	59.91	59.17	57.79	58.05	59.53	24.6	23.5	29.9	31	26.1	24.9	31.7	23.3	94	96	66	64	88	93	3.3
6	58.62	58.46	58.29	56.58	57.65	58.48	23.8	23.6	29.7	32	25	24	32.6	23.3	96	97	75	64	92	94	21.3
7	57.96	58	57.89	56.65	56.45	57.74	23.6	23	29.7	27.3	27.3	25.7	31.7	22.8	96	97	70	84	86	91	.3
8	57.68	57.56	57.88	56.20	56.92	57.96	24.1	23.6	28.6	28.7	26	24.3	31.4	23.4	94	96	78	75	91	93	1
9	56.86	57.30	57.78	56.07	56.98	58.51	23.3	23	29.7	30	26.4	25	31.3	22.7	96	97	71	69	90	94	1
10	57.74	58.21	58.65	57.05	57.84	59.75	23.9	23.7	28.7	31.2	26	24.8	31.8	23.4	96	97	81	69	94	95	13.5
11	58.81	58.67	58.75	56.68	57.44	58.92	23.5	23	29.4	32.2	26.5	25.6	33.1	22.7	96	97	70	67	85	89	------
12	58.25	58.17	57.93	56.45	56.80	58.49	24	22.8	31.2	29.7	26.5	25.7	32.6	22.4	94	96	70	78	90	93	.5
13	57.46	57.42	57.60	56.71	56.75	58.20	24.5	23.7	30.6	26.7	25.6	25	31.9	23.6	95	97	73	90	91	93	2.5
14	57.49	57.33	58.24	57.23	57.35	58.84	24.6	23.8	30.5	27.7	27.1	25.7	31.6	23.6	95	97	72	91	92	93	3.6
15	58.55	58.48	58.55	56.52	57.20	59.27	24.6	24	28.8	30.3	27.6	25.2	30.7	23.8	95	97	78	70	90	94	12.5
16	57.92	58.29	58.55	57.40	57.41	57.82	23.7	23	28.6	26.4	25.6	25	31.1	22.8	96	97	77	86	93	94	4.4
17	57.03	57.68	57.49	56.25	56.68	57.60	24.6	24	27.7	29.8	27.8	24.7	30	23.8	95	97	82	76	81	96	26.9
18	56.72	56.73	56.69	55.93	55.64	56.85	24.6	25.7	27.8	27.5	28.2	25.8	30.6	24.1	96	92	84	86	80	90	1.6
19	55.62	55.44	56.28	54.76	55.35	57.07	27.3	27.5	29.3	28.7	27.9	25.9	31.3	24.8	81	78	72	78	84	88	1.8
20	55.67	55.96	56.75	55.48	56.66	57.39	27.4	27.3	29.2	30	28.6	28.1	30.4	26.7	77	76	66	71	71	74	.8
21	55.88	56.74	57.28	56.03	57.50	58.85	27.9	27.4	30.2	31	26	24.4	31.9	24.2	74	77	64	65	84	93	2.6
22	57.63	57.42	57.75	56.49	56.89	57.78	25.1	27.3	30.4	31	29.2	28.3	32.6	24.3	90	87	72	69	75	78	------
23	56.44	56.90	57.17	55.88	56.09	58.37	26.1	25	30.6	32.3	29.7	26	33.2	24.3	89	94	66	59	75	92	------
24	57.19	57.24	57.47	56.73	57.05	58.71	26.9	27.4	31.4	31	29.1	26.9	33	26.4	83	80	68	67	71	83	1.3
25	57.90	58.15	58.70	56.93	57.67	59.41	26.3	24.5	29.9	32.9	28.3	26	33.8	24.3	86	95	74	63	79	92	2
26	57.70	57.72	58.15	56.94	56.92	58.07	24.8	24	29.2	26.4	26.2	25.7	30.5	23.6	95	97	78	90	90	93	21.9
27	56.67	56.11	56.26	54.77	54.82	55.96	24	23.6	27.9	26.2	26	24.7	29.6	23.4	95	97	84	92	92	94	34
28	55.32	55.46	56.19	55.13	56.11	58.05	24.8	25.9	28.6	28.2	27.4	25.2	29.9	24.2	94	93	83	79	83	94	9.1
29	56.55	57.09	57.91	56.57	57.34	58.77	26.9	26.7	28.8	29.6	27.5	27.1	30.6	25.3	84	85	71	70	81	83	3.6
30	57.85	57.79	58.44	56.96	57.20	58.85	26.4	27.2	29.7	30.8	28.8	26.2	31.7	25.7	87	83	68	69	74	89	5.8
31	57.52	56.89	57.90	57.20	57.41	58.08	27.3	27	29	29.4	27.6	25.1	30.4	24.9	79	79	74	70	80	92	.3
Mean	57.52	57.62	57.93	56.54	57.04	58.40	25.1	24.7	29.5	29.7	27.2	25.6	31.5	24	91.2	92	73.5	73.5	84.8	91	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	192.8

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	N	SE	S	NE	Calm	27.2	46.5	51.5	27.4	152.6	6	Ci.-S.	S.-Cu.	7	Ci. SE	Cu.
2	N	N	E	S	Calm	Calm	32.2	31.6	51.2	22.7	137.7	10	Ci.-S.	S.-Cu.	9	Ci.-S.	S.-Cu. SSE
3	N	Calm	S	SW	Calm	NW	35.9	31.1	37.3	30.6	134.9	9	A.-Cu. E	S.-Cu.	9	A.-Cu.	Cu.-N.
4	Calm	N	Calm	Calm	Calm	Calm	28.4	27.6	25.9	20.3	102.2	8	A.-Cu. SE	S.-Cu.	9	Ci.-S.	S.-Cu.
5	NNE	N	S	SSW	NNE	Calm	25.9	39.2	47	31.1	143.2	6	Ci.-S.	S.-Cu.	6	Ci. NW	Cu.
6	N	N	S	WNW	N	N	33.2	38.9	43.3	33.5	148.9	4	Ci. N	Cu.	7	Ci.-S.	cu.-N. ENE
7	N	N	SSE	NNW	Calm	Calm	32.5	35.9	48	14.8	131.2	4	Ci.	Cu.	8	Ci.-S.	Cu.-N.
8	N	NNW	SSE	NE	Calm	Calm	29.8	31.9	44.5	19.6	125.8	8	A.-Cu.	S.-Cu. SE	10	Ci.-S.	N. SE
9	N	N	S	SSW	Calm	N	32.4	38.3	42.4	25.9	139	7	Ci.-S.	Cu.-N.	7	Ci.-S.	Cu.-N.
10	N	N	Calm	SE	Calm	N	27.1	29.2	37.2	27.6	121.1	8	Ci.-S.	S.-Cu.	8	Ci.-S.	S.-Cu. E
11	N	N	S	SSW	N	Calm	36.4	39.6	50.7	27.1	153.8	0	Ci.	Cu.	4	Ci.	Cu.
12	Calm	N	SE	SW	Calm	Calm	22.5	39.6	47.3	22.5	131.9	3	Ci.	Cu.	7	Ci.-S.	S.-Cu. NE
13	NNW	Calm	ESE	NNE	N	Calm	24.4	36.5	48.3	30.6	139.8	5	Ci.	S.-Cu. ENE	9	Ci.-S.	N. ENE
14	N	N	S	NNE	Calm	Calm	31.2	39.9	32.7	21.7	125.5	6	Ci.-S.	Fr.-S.	9	Ci.-S.	N. E
15	N	N	ESE	SSW	Calm	SSW	30.3	34.3	36.2	46.1	146.9	6	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu.-N.
16	N	N	S	N	Calm	Calm	31.7	40.8	35.2	18.2	125.9	7	Ci.-S.	S.-Cu.	10	Ci.-S.	Fr.-N.
17	Calm	Calm	WSW	WSW	Calm	Calm	22.7	30.9	51.2	28.7	133.5	10	A.-Cu.	N. NNW	7	A.-Cu. SSW	S.-Cu. W
18	Calm	S	SSW	SSW	SSW	NW	41.8	48.6	62.3	64.1	216.8	10	A.-Cu.	N. SW	9	A.-Cu.	S.-Cu. SW
19	SSW	SSW	SSW	Calm	SW	SW	106.4	108.8	64.4	74	353.6	10	A.-Cu.	S.-Cu. SW	9	A.-Cu.	S.-Cu. SW
20	SSW	SSW	SSW	SSW	SSW	SSW	172.8	161.1	157.5	193.1	684.5	10	Ci.-S.	S.-Cu. SW	9	Ci.-S.	S.-Cu. SW
21	SSW	SSW	SbyW	SSW	SSW	ENE	171.9	121	93.3	84.2	470.4	7	A.-Cu. SE	S.-Cu.	8	A.-Cu.	S.-Cu. SW
22	SSW	SSW	SW	SW	SW	SW	47.8	85.1	82.9	67.8	283.6	10	Ci.-S.	S.-Cu. SW	8	A.-Cu. E	S.-Cu.
23	Calm	Calm	SSW	SW	SW	Calm	20.3	58.5	69	56.8	204.6	10	A.-Cu.	S.-Cu. SW	5	Ci.-S.	Cu.
24	W	SW	SW	SW	SW	N	46.9	59.5	73.2	23.1	202.7	7	A.-Cu.	S.-Cu. WSW	7	Ci.-S.	S.-cf. W
25	W	Calm	SW	WSW	Calm	Calm	28.5	53.3	53.7	26.6	162.1	10	Ci.-S.	S.-Cu. W	7	A.-Cu. SE	Cu.
26	NNW	N	SSW	NE	Calm	Calm	30.9	43.3	34.4	21.5	130.1	6	Ci.-S.	Cu.-N.	10	Ci.-S.	N. N
27	Calm	Calm	S	Calm	Calm	NW	21.4	40	15.9	21.5	98.8	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Fr.-N.
28	WSW	SW	SW	SW	SW	W	34.1	71.4	83.4	81	269.9	10	A.-Cu.	N. SW	10	A.-Cu.	S.-Cu. SW
29	SW	SW	SW	SSW	SSW	SW	115.3	103	105.1	86.4	409.8	10	Ci.-S.	S.-Cu. SW	7	Ci.-S.	S.-Cu. SW
30	W	SSW	S	SW	W	W	44.6	70.3	68.7	72.1	255.7	10	Ci.-S.	N. SW	6	Ci.-S.	Cu.
31	SW	SW	SSE	SSW	SW	Calm	111.6	33.2	78.6	44	267.4	10	Ci.-S.	S.-Cu.	8	A.-Cu. W	S.-Cu.
Mean	------	------	------	------	------	------	48.3	53.8	57.2	44	203.4	7.6	----------	----------	8	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	6,303.9	----	----------	----------	----	----------	----------

CALBAYOG.

[$\phi = 12° 04'$ N; $\lambda = 124° 36'$ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.80 mm.]

AUGUST, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.04	56.10	57.34	56.35	56.91	57.89	26.9	26.8	29.6	29.3	28.5	27	30.2	26.5	81	80	70	69	75	80	------
2	56.80	56.71	58.15	57.04	57.63	59.25	26	27.7	30.3	28.7	27.8	26.9	31.2	25.8	85	76	69	81	79	82	0.8
3	57.81	58.19	59.01	57.75	57.58	59.35	25.5	27.2	28.4	28.4	27.9	27.7	28.8	25	91	81	73	77	77	77	36.1
4	58.01	58.78	58.78	57.25	57.64	58.93	27.6	24	28.3	29.4	28	27.6	30.4	23.5	77	93	82	74	77	79	------
5	57.51	57.55	58.30	56.68	56.98	58.73	26.8	26.7	29.6	30.7	29.2	25.8	32.2	24.8	83	84	75	69	72	92	1.5
6	57.74	58.62	58.65	57.58	57.96	59.81	25	24.5	30	29.7	28.3	25.7	32.2	24.3	94	94	71	77	79	93	------
7	58.61	58.82	59.42	57.78	58.56	59.44	23.9	23.7	30.3	28.4	26.7	24.9	32.2	23.5	96	97	73	75	90	92	1
8	58.03	58.01	58.59	56.75	57.52	58.30	24.3	25.9	27	28.6	26	25.1	30.3	24	95	93	90	80	94	94	5.4
9	57.63	57.70	58.24	56.79	57.30	58.35	24	25.3	27.3	28.7	26.2	24.6	29.7	23.7	96	93	80	84	89	94	17.2
10	57.03	57.58	58.56	57.02	57.20	59	24	26.2	25.4	27.1	26.6	25.1	28.6	23.2	96	88	91	83	87	94	40.1
11	57.35	57.03	57.95	56.39	56.53	57.99	26.2	25.8	29.3	28.5	27.6	26.8	31.4	25.1?	89	90	77	79	84	86	------
12	56.70	56.42	57.48	55.85	55.93	57.30	25.5	26.5	29	29	28.2	25.8	30	23.9	89	85	78	76	80	90	20.8
13	56.51	55.62	56.66	55.35	56.28	57.67	24.8	26.9	28.4	29.6	25.6	26.6	29.8	23.7	93	78	76	73	91	83	8.9
14	56.36	56.65	57.33	56.20	56.75	57.85	26.8	26.7	29.3	30.1	26	26.8	31.1	25.9	83	83	74	69	91	86	1.8
15	57.50	58.04	58.04	57.02	57.15	58.63	27	27	29.2	29.8	28.1	26.6	30.7	25	86	86	83	77	82	86	1.5
16	58.01	57.91	58.52	56.84	56.94	58.06	25.1	24.7	30.8	30.9	28.5	26.9	32	24.5	95	97	73	74	75	85	------
17	57.38	57.57	58.24	56.18	56.67	57.79	27.2	26	26.9	31.3	29	26.5	31.9	25.2	84	92	90	73	79	88	5.6
18	56.90	57.30	58.32	56.33	55.99	58.07	24.8	25.5	26.5	27.6	27	25.1	28.4	24.1	93	90	82	81	83	95	4.1
19	56.99	57.05	58.04	56.09	56.65	58.11	23.9	25.7	28.8	29.5	27.4	25.3	31.4	23.4	96	93	73	71	84	94	2.5
20	57.02	57.41	57.43	56.22	56.51	58.20	25	24.8	29.9	29.3	28.6	26.4	31.8	24.5	95	96	77	74	78	89	8.6
21	57.25	57.32	58.74	57.04	57.10	58.43	24.8	26.4	25.6	29.5	28.4	26.9	31	24.3	95	92	93	76	80	86	45.8
22	57.41	57.78	58.55	56.60	57.06	58.26	26.8	24.7	29	30.4	27.8	25	31.1	24.1	86	96	79	72	79	94	4.1
23	56.98	57.10	58.25	55.75	56.06	57.79	25	25.9	25.9	29.1	27.3	26.1	29.6	24.6	95	89	90	76	82	89	4.1
24	56.71	57.21	58.47	56.61	56.54	57.64	26	25.9	25.7	28.1	26.9	26.9	28.6	25.2	89	90	91	79	83	82	5.6
25	56.32	56.81	57.05	55.50	56.34	57.29	26.8	26.7	28.5	29.6	28	27.3	30.4	26.4	82	80	78	72	80	84	------
26	56.25	55.60	56.11	54.44	54.56	56.25	26.9	27	29	29.4	26.8	25.3	30.7	23.8	86	86	76	77	91	93	13.7
27	54.74	54.38	54.88	53.51	54.21	55.62	26.9	27.4	29.1	29.3	28	26.9	30.4	26.1	85	84	75	77	79	82	1.5
28	54.49	54.54	54.85	53.80	54.59	56.33	27.6	27.6	29.4	30.7	28.2	27.9	31.1	25.7	77	76	72	69	83	79	1.5
29	55.40	55.64	56.20	55.13	56.15	57.40	27.8	27	29.2	29.9	28.5	28	30.9	26.8	78	80	74	73	78	79	------
30	56.28	56.54	56.91	55.70	55.41	56.39	27.9	27.4	28.8	29.5	28.3	28.1	31.3	27.2	79	80	77	78	82	82	------
31	55.03	55.19	55.19	53.56	53.60	54.69	28	27.5	29.1	29	28.2	27.8	29.9	27.3	83	86	78	80	82	83	------
Mean	56.90	57.01	57.69	56.16	56.53	57.90	26	26.2	28.5	29.3	27.7	26.4	30.6	24.9	88.1	87.4	78.7	75.6	82.1	86.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	232.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SSW	SSW	SW	SW	SW	SW	111.5	93.8	74.6	58.2	338.1	7	Ci.-S.	S.-Cu.	9	A.-Cu.	S.-Cu.
2	Calm	SSW	WSW	W	W	WNW	81.8	84.8	51.2	54.4	272.2	9	A.-cu. NNE	S.-Cu.	9	A.-Cu.	S.-Cu.
3	Calm	SW	SW	SW	SW	SW	50.5	100	96.9	97.7	345.1	10	Ci.-S.	N. WSW	10	Ci.-S.	S.-Cu.
4	SW	SW	SW	SW	S	SW	90.1	87.4	77.5	56.5	311.5	10	Ci.-S.	N. WNW	7	A.-Cu. SE	S.-Cu.
5	W	W	WSW	SW	SW	NW	55.2	69.8	51.5	26.2	202.7	6	------	s.-Cu. WSW	4	Ci.	Cu.
6	Calm	Calm	WSW	W	WSW	Calm	35.4	57.4	82.6	26.4	201.8	9	Ci.-S.	N. WSW	7	Ci.-S.	S.-Cu. W
7	Calm	Calm	W	WNW	Calm	Calm	24.1	60.7	48.9	16.4	150.1	4	Ci.	S.-Cu. W	9	Ci.-S.	s.-Cu. WNW
8	Calm	WSW	WSW	W	Calm	Calm	31.2	79.9	56.8	14	181.9	10	Ci.-S.	N. W	9	Ci.-S.	S.-Cu. W
9	NW	W	WSW	W	Calm	Calm	39.7	43.1	64.4	18.5	165.7	10	Ci.-S.	N. W	9	Ci.-S.	S.-Cu. W
10	Calm	WSW	Calm	W	Calm	Calm	21.2	43.1	35.9	14.3	114.5	10	A.-Cu.	N. W	9	A.-Cu.	S.-Cu. W
11	W	W	SW	W	W	W	80.2	78.1	90.9	77.2	326.4	4	------	Cu.	7	A.-Cu.	S.-cf. W
12	W	WSW	WSW	WSW	WSW	SW	112.7	112.7	106.8	94.8	427	8	Ci.-S.	S.-Cu. W	8	Ci.-S.	S.-Cu. W
13	W	SW	SW	SW	SW	SW	118.6	141.6	103.8	96.3	460.3	10	Ci.-S.	S.-Cu. SW	9	Ci.-S.	S.-Cu. SW
14	SW	SSW	SSW	SSW	SSW	WSW	141.1	129.5	79.4	100.8	450.8	6	Ci.-S.	S.-Cu. SSW	7	A.-Cu.	S.-Cu. SW
15	WSW	WSW	SW	WSW	WSW	Calm	89.5	77.2	65.7	45.1	277.5	7	Ci.-S.	s.-Cu. WSW	8	Ci.-S.	s.-Cu. WSW
16	Calm	Calm	SW	WSW	W	Calm	19.8	58.9	56.8	36.2	171.7	6	------	S.-Cu. W	7	Ci.-S.	S.-cf. W
17	W	Calm	WSW	WSW	Calm	Calm	44	49.3	59.3	16.7	169.3	7	Ci.-S.	S.-Cu. W	7	Ci.-S.	S.-cf. W
18	Calm	SSW	Calm	S	SW	Calm	42.3	37.5	34	28	141.8	9	Ci.-S.	N. SW	10	Ci.-S.	S.-Cu.
19	Calm	S	SW	W	Calm	NW	23.6	66	45.7	24.4	159.7	9	Ci.-S.	N. SW	8	Ci.-S.	S.-cf.
20	Calm	Calm	SW	WSW	WSW	Calm	24.3	44.1	53.1	28.5	150	9	Ci.-S.	N. SW	8	A.-Cu.	s.-Cu. WSW
21	N	SW	WSW	SSW	W	W	33	64.2	54.5	58.1	209.8	9	A.-Cu.	N. W	7	Ci.-S.	S.-Cu. SW
22	SW	W	W	WSW	W	W	79.5	68.2	50.9	42.4	241	9	A.-Cu.	N. W	8	Ci.-S.	S.-Cu. W
23	Calm	SW	SW	WSW	W	Calm	62.8	77.5	63.3	46.4	250	9	A.-Cu.	s.-cu. WSW	9	Ci.-S.	S.-Cu. W
24	W	SW	SW	SW	SW	W	63.1	79.1	88.8	94.3	325.3	10	Ci.-S.	s.-Cu. WSW	10	Ci.-S.	s.-Cu. WSW
25	WSW	WSW	SW	SW	SW	WSW	116.5	109.2	114.3	85	425	10	Ci.-S.	S.-Cu. W	8	Ci.-S.	S.-Cu. W
26	SW	SW	SW	SW	WSW	SW	116.2	142.9	120.7	91.7	471.5	9	A.-Cu.	S.-Cu. SW	8	A.-Cu. NWbyW	S.-Cu. SW
27	SSW	SSW	SSW	SSW	SSW	SW	123.9	179.4	121.5	144.8	569.6	8	Ci.-S.	S.-Cu. SW	9	A.-Cu.	S.-Cu. SW
28	SSW	SSW	SSW	SSW	SSW	SSW	186.6	217.2	132.8	141.6	678.2	10	Ci.-S.	S.-Cu. SW	7	Ci.-S.	S.-Cu. SW
29	SSW	SSW	SSW	SSW	SSW	SSW	195.5	185	163	152.4	695.9	9	Ci.-S.	Fr.-S.	7	Ci.-Cu.	S.-cf. SW
30	SSW	SSW	SSW	SW	WSW	SW	156.1	128.7	85.3	76.9	447	7	A.-Cu.	S.-Cu. SW	8	A.-Cu.	S.-Cu. SW
31	SW	SW	SW	SW	WSW	WSW	93.6	115.9	101.7	86.4	397.6	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	S.-Cu. SW
Mean	------	------	------	------	------	------	79.5	93	78.5	62.9	313.8	8.4	------	------	8.1	------	------
Total	------	------	------	------	------	------	------	------	------	------	9,729	----	------	------	----	------	------

CALBAYOG.

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 5.5 meters; gravity correction not applied, −1.80 mm.]

SEPTEMBER, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	53.55	53.87	54.93	53.46	54.16	55.34	27.7	27.6	28.1	28.7	28.4	27	29.5	25.5	82	83	80	81	81	86	27.9
2	55.36	55.68	55.84	54.54	54.93	56.61	25.1	25.4	27.7	28	28.2	25.7	29.6	23.9	92	90	82	85	80	93	16.8
3	55.18	56.14	56.80	55.45	55.59	57.34	26.1	27.1	29.5	29.9	28.7	28.1	30.5	24.9	91	85	75	76	78	79	------
4	56.44	57.21	57.76	56.45	56.63	58.35	28	27.9	30.5	31.4	28.5	26.2	32.4	25.8	79	78	66	62	78	90	------
5	56.87	57.51	58.09	56.70	57.48	58.94	25.4	24.6	29.2	30	28.7	26.1	31.4	24.4	94	94	74	73	79	93	.3
6	57.64	57.67	58.25	56.19	56.90	58.84	25.2	24.3	29	30.4	27.8	23.7	31.2	22.9	94	96	81	72	83	96	35.8
7	56.83	56.96	57.53	54.73	55.24	56.38	22.4	22.7	22.5	24.3	23.8	23.6	24.7	22.2	96	97	96	93	95	96	27.5
8	55.76	56.70	57.48	55.94	56.80	58.34	23.2	23.1	27.4	31.1	28.8	25.2	32	22.6	94	94	81	67	76	94	------
9	57.55	57.71	58.64	57.24	57.61	59.08	25.1	27.3	29.7	30.9	28.3	27.5	31.7	24.8	94	78	69	68	77	81	------
10	57.69	57.70	58.08	56.63	56.93	57.69	26.9	26.8	30.4	29.6	28	25.8	32	25.3	84	83	69	72	79	92	------
11	56.95	56.87	57.54	55.53	56.13	57.45	26.5	26.8	31	29.6	28.2	27.1	31.4	26.2	88	86	70	74	80	86	------
12	56.80	57.28	57.23	55.54	56.26	57.24	26.5	25.9	30.3	29.7	28.3	26.9	32.5	25.5	88	91	74	76	80	86	------
13	55.76	56.55	56.65	54.44	55.16	56.18	27	27.1	29.4	29.9	27.9	27.1	31.3	26.6	84	83	73	75	82	86	------
14	54.60	54.72	54.73	52.71	52.97	53.41	27	27	28	28.9	27.7	27.5	29.6	26.6	83	82	79	76	80	81	5.1
15	51.53	52.27	52.75	51.20	51.31	53.06	27.4	27	28.3	29.2	27.8	27.5	29.5	26.1	81	83	81	74	79	80	1.3
16	52.66	53.46	54.81	53.78	54.29	56.52	27.7	27.6	27.7	29.3	28.3	27.6	30.3	26.4	80	81	81	76	77	81	1
17	55.39	55.76	55.98	55.72	56.19	57.09	27.3	27.4	29.5	29.9	28.6	27.1	30.9	24.9	82	81	72	76	78	84	1
18	55.99	56.20	56.55	55.08	55.50	56.33	27.7	27.3	29.5	30.9	28.5	27.8	32.6	27	82	84	80	72	80	82	------
19	55.19	54.55	56.01	53.99	54.01	55.75	27	27.3	28.9	28.7	27.8	27.7	30.9	26	85	84	82	78	80	80	14
20	54.70	55.27	56.36	54.69	55.40	57.69	24.9	26.2	30.1	30.2	27.6	27.4	31.8	24.1	94	92	75	78	83	83	------
21	53.10	56.80	58.01	56.40	57.06	58.63	27.4	27	28.2	31	28.2	27.7	31.4	26.4	82	83	77	68	80	82	------
22	57.71	58.43	59.32	57.88	58.50	60.13	27.6	27.5	29.7	31.5	28.3	27	31.7	26.8	82	82	75	69	82	87	------
23	58.70	59.13	59.83	58.20	58.62	59.78	25.9	25.4	30.4	26.7	25.8	25.2	32.1	25	93	93	74	92	93	94	37.5
24	58.09	58.37	59	56.69	57.16	58.67	24.7	24.1	28	28.1	26.4	25.6	29.1	23.7	95	96	81	81	89	93	4.1
25	57.22	57.61	58.21	55.60	56.24	57.76	24.4	23.3	29	30.6	27.1	25.2	31.9	22.9	96	97	81	76	83	94	49
26	55.98	56.48	56.69	54.20	54.85	55.79	25.1	24.5	28.4	29.7	26.8	27.2	31.7	24	94	97	83	78	87	85	16
27	55.75	55.53	56.91	55.19	55.95	57.69	24.9	26.9	29	30	28.2	28	30.4	24	93	86	78	72	80	80	------
28	56.90	57.71	58.70	56.27	57.05	58.30	27.9	27.9	30.4	32	28.5	28.4	32.4	27.6	80	79	74	69	78	78	------
29	57.41	57.46	58.32	56.57	57.10	57.53	28	27.5	30.2	31.3	28.1	27.2	31.6	26	79	82	76	68	82	86	------
30	57.12	57.34	57.63	55.98	56.58	58.81	27	27.3	31.1	30.9	28.9	27.7	31.6	25.8	86	84	71	73	80	85	------
Mean	56.11	56.50	57.15	55.43	55.95	57.36	26.2	26.3	29	29.7	27.9	26.7	31	25.1	87.6	86.8	77	75	81.3	86.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	237.3

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	WSW	WSW	WSW	WSW	WSW	SW	138.4	143	137.9	137.4	556.7	10	Ci.-S.	S.-Cu. wsw	10	A.-Cu.	s.-cu. wsw
2	SW	SW	SW	SW	SW	W	144.3	116.1	111.6	86.1	458.1	10	A.-Cu.	N. SW	10	Ci.-S.	s.-cu. wsw
3	SW	SSW	S	SSW	SSW	SW	72.9	96.4	121.8	106.7	397.8	10	Ci.-S.	S.-Cu. SW	8	Ci.-S.	S.-Cu.
4	SSW	SSW	S	S	Calm	Calm	139.5	116.5	43.5	21.7	321.2	7	Ci.-S.	S.-Cu.	7	Ci.-S.	S.-Cu.
5	N	N	S	SSW	Calm	N	28.2	30.8	42.8	24.7	126.5	7	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.
6	N	N	N	NNW	Calm	N	23	35.6	37.8	28.7	125.1	6	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu. N
7	Calm	Calm	Calm	N	N	N	19.9	34.4	44.3	37.6	136.2	10	Ci.-S.	N. NNE	10	Ci.-S.	N. NE
8	Calm	ENE	SSE	S	Calm	Calm	21.4	58.9	39.9	28.5	148.7	4	Ci.	S.-Cu.	4	Ci.	Cu.
9	WNW	SW	SW	SW	W	Calm	80.8	106.2	86.3	33.2	306.5	1	----------	S.-Cu.	3	Ci.	Cu. WSW
10	WNW	WSW	W	WSW	WSW	NW	61.2	85	90.1	45.4	281.7	6	Ci.	S.-Cu. W	7	Ci.-S.	S.-Cu. W
11	WSW	SW	WSW	SW	WSW	W	76.9	89.6	100.3	75.9	342.7	6	Ci.-S.	S.-Cu. wsw	7	A.-Cu.	s.-cu. wsw
12	W	W	WSW	SW	SW	W	69	75	96.6	87.9	328.5	8	A.-Cu.	S.-Cu. W	8	Ci.-S.	s.-cu. wsw
13	WSW	W	WSW	WSW	SW	SW	120.1	87.7	115.7	111.5	435	9	A.-Cu.	S.-Cu. W	8	Ci.-S.	S.-Cu. W
14	WSW	W	W	WSW	WSW	SW	134.7	97.4	103.3	113	448.4	10	Ci.-S.	S.-Cu. W	10	Ci.-S.	S.-Cu. W
15	SW	SW	SW	SW	SW	SW	116.9	151	187.3	208.7	663.9	10	Ci.-S.	S.-Cu. wsw	10	Ci.-S.	s.-cu. wsw
16	SW	SSW	SSW	SSW	SSW	SSW	227.4	239.8	181.2	184	832.4	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	S.-Cu. SW
17	SSW	SSW	SSW	SSW	W	W	184.8	153.1?	94.6?	58.9	491.4	8	A.-Cu.	S.-Cu. SW	9	A.-Cu.	S.-Cu. SW
18	WSW	WSW	WSW	SW	WSW	W	127.4	95.8	98.5	59.5	381.2	6	A.-Cu.	S.-Cu. wsw	6	Ci.-S.	s.-cf. wsw
19	W	W	W	W	W	W	70.3	66.6	61.8	104	302.7	10	A.-Cu.	S.-Cu. W	10	Ci.-S.	S.-Cu.
20	W	WSW	SW	SW	SW	SW	52.1	93.3	112	107.2	364.6	10	A.-Cu.	N. WSW	7	Ci.-S.	S.-cf. SW
21	SSW	SSW	SSW	SSW	SSW	SW	114	96.8	81.5	60.4	352.7	8	A.-Cu.	S.-Cu. SW	7	Ci.-S.	S.-cf. SW
22	SW	SW	WSW	SW	SW	Calm	79.7	74.6	65.8	38	258.1	8	A.-Cu.	S.-Cu. SW	7	Ci.-S.	Cu. WSW
23	Calm	Calm	W	NW	Calm	Calm	18.3	48.9	40.8	17.5	125.5	8	Ci.-S.	S.-Cu. W	9	Ci.-S.	N. NWbyW
24	NNW	NNE	NW	N	Calm	Calm	29	29.6	41	10.3	109.9	9	Ci.-S.	N. NNE	9	Ci.-S.	S.-Cu.
25	Calm	N	WSW	W	Calm	Calm	19.3	40.2	41.8	16.3	117.6	4	Ci.	Cu.	8	Ci.-S.	S.-cf. NbyW
26	WNW	Calm	W	WSW	WSW	SW	21.9	71	92.8	93.6	279.3	10	A.-Cu.	N. WNW	8	Ci.-S.	S.-Cu. W
27	SW	SSW	SSW	SSW	SSW	SSW	93.9	184.5	129.7	94.3	502.4	9	Ci.-S.	S.-Cu. SW	8	Ci.-S.	S.-Cu. SW
28	SSW	S	S	SW	WSW	SW	123.9	128.1	77.7	78.9	408.6	8	Ci.-S.	S.-Cu. SW	4	Ci.	Cu.
29	SSW	SSW	SSW	SSW	SSW	SSW	90.6	117.3	96.9	40.5	345.3	8	A.-Cu.	S.-Cu. SW	3	Ci.	Cu.
30	SSW	SSW	SW	SW	SW	W	47	84.7	81.1	63.1	275.9	5	A.-Cu.	S.-Cu. SW	6	A.-Cu.	Cu. SW
Mean	------	------	------	------	------	------	84.9	94.9	88.5	72.4	340.8	7.8	----------	----------	7.7	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	10,224.6	----	----------	----------	----	----------	----------

CALBAYOG.

[ϕ=12° 04′ N; λ=124° 36′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.80 mm.]

OCTOBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.06	58.40	58.48	57.47	57.97	59.26	26.9	27.3	32	31.3	28.6	25.7	32.4	24.9	88	87	70	73	80	93	------
2	58.45	59.37	60.22	58.33	59.15	60.55	24.8	24	30.9	31.9	28.2	25.2	32.8	23.7	94	97	70	66	83	94	------
3	59.54	59.90	60.52	58.45	59.28	59.69	24	23.3	29.7	32.9	28.9	25.8	33.8	23	96	97	79	64	78	93	------
4	58.36	59.22	59.48	57.42	57.80	58.96	24.7	24	30.5	30.5	27.7	25.6	31.9	23.5	95	97	74	75	81	94	------
5	57.40	58.13	59.28	56.72	58.02	58.77	24.6	23.7	26.8	30	25.7	24.8	31.4	23.5	96	97	87	76	91	95	2.8
6	57.99	58.19	59.24	57.14	58.16	60.03	24	22.9	28	31.9	26.3	25.8	32.8	22.7	96	97	81	68	88	90	18.6
7	59.03	59.23	60.06	58.33	59	59.93	24.6	25.7	28.4	25	25.4	25.6	29.9	24.4	96	89	81	93	92	91	29.6
8	58.81	59.21	59.69	57.45	58.32	59.46	24.7	25.1	28.8	29.9	26.5	25.1	30.4	24.3	91	90	77	75	79	88	6.1
9	58.36	58.16	58.86	56.85	57.23	58.56	25.6	24.3	28.9	29.4	27.3	27.8	30.4	23.9	86	92	73	73	82	81	.5
10	57.38	57.92	58.42	56.31	56.73	57.60	26.8	25.9	30.4	30.5	27.9	27.8	32.6	24.9	84	88	63	68	80	80	21
11	57.05	57.83	58.04	56.16	56.43	57.99	25.8	23.5	29.5	30	27.7	27.6	30.9	23.2	88	94	75	73	86	85	3
12	57.60	57.98	58.23	56.09	57.29	59.02	25.7	24.9	29.5	29.3	25.9	24.3	30.2	24.1	93	95	77	80	92	94	10.6
13	57.76	57.93	57.80	55.52	56.04	56.86	24.2	23.7	30.2	30.4	27.3	25.9	32	23.4	95	97	68	73	82	92	8.1
14	55.21	54.76	55.08	53	53.85	53.89	25.6	25	28.5	28	25.1	26	31.6	24.8	93	96	87	88	91	89	78.3
15	52.52	52.15	51.96	49.77	50.35	52.28	25.1	24.9	26.3	25.2	24.9	24.9	26.7	23.6	94	94	82	88	89	90	63.9
16	51.38	52.45	53.39	52.52	53.57	55.62	24.3	25.4	29.7	26.5	25.6	26.6	30.2	24.2	91	83	70	84	82	80	1.6
17	55.10	56.92	58.20	56.78	58.06	59.18	26.7	26.3	30	28.8	28	26.9	30.7	24.5	80	82	74	75	77	83	------
18	58.78	59.92	59.77	57.76	58.77	60.30	24.2	23.6	29.5	30.8	27.9	26.6	32.2	23.4	95	96	72	63	80	87	1.8
19	59.53	59.96	60.03	57.68	58.51	59.61	25.7	24.2	29.3	29.8	26.3	24.2	31.4	23.3	93	96	74	77	87	94	9.2
20	58.49	59.03	59.05	56.23	57.66	59.12	23.6	23.7	26.5	29.4	26.3	24.6	30.3	23.2	97	97	88	82	86	93	3.6
21	58.07	59.08	59	56.52	58.74	59.71	23.8	23.7	26.4	29.6	26.6	24.9	31.2	23.5	97	97	87	74	83	93	6.1
22	58.24	58.81	59.19	57.04	57.79	58.91	23.8	22.8	29.6	26.5	26.3	24.6	31.4	22.6	95	97	79	94	91	94	27.2
23	57.67	58.54	58.53	56.05	57.40	58.41	23.2	23.3	28.6	32	27.1	25.3	33.1	22.4	97	97	81	70	83	94	------
24	57.09	58.14	58.50	56.10	56.90	57.67	24.1	23.6	29.4	27	26	24.7	30.2	22.7	97	97	76	86	93	94	16.2
25	56.14	56.73	57.46	55.74	56.83	57.30	23.3	22.5	29.2	30.3	25	26.7	31.1	22.3	96	97	74	71	92	85	31.8
26	56.14	56.91	57.78	56.59	57.29	58.82	26.6	26.5	28.6	30.5	26.8	24.9	30.8	24.4	85	86	80	72	85	94	.5
27	58.24	58.87	59.68	57.99	58.62	60.13	24.3	23.2	30.5	31.4	28.6	26.4	32.6	23	97	97	73	66	80	92	------
28	59.50	59.70	60.12	58.15	59.76	59.95	24.4	22.7	29.7	29.1	24.7	23.3	31.5	22.5	95	97	71	76	93	96	17.1
29	58.69	58.83	59.65	57.72	58.70	59.72	22.7	22	27.2	26.7	25.3	24.3	27.6	21.8	97	98	86	89	93	95	6.4
30	58.58	58.99	59.48	57.97	59.04	60.51	23.8	23.6	28.5	29.7	27.3	25.3	30.2	23.4	96	97	76	72	87	94	------
31	59.64	59.94	60.55	57.93	59.69	59.95	23.9	23	29	29	26.3	24.8	31.5	22.8	96	97	72	80	90	95	11.4
Mean	57.57	58.10	58.57	56.57	57.51	58.64	24.7	24.1	29	29.5	26.7	25.5	31.2	23.5	93.2	94.1	76.7	76.3	85.7	90.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	375.4

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	0–10			0–10		
1	W	WSW	SW	SW	S	N	44	69.2	64.2	23.9	201.3	9	A.-Cu.	S.-Cu.	6	Ci.-S.	Cu.
2	N	N	S	SW	Calm	N	28.5	33.3	45.4	23.5	130.7	4	Ci.	Cu.	7	Ci.-S.	Cu.
3	N	N	S	WSW	Calm	Calm	34	39.2	54.1	22.3	149.6	1	----------	S.-Cu.	2	Ci.	Cu.
4	N	N	SW	WSW	W	N	30.6	38	51.5	23.3	143.4	6	Ci.-Cu.	S.-Cu. WNW	7	Ci.-S.	Cu.
5	Calm	N	WSW	W	E	Calm	27.1	38.1	46.5	24.1	135.8	6	Ci.-S.	Cu.	8	A.-Cu.	S.-Cu. W
6	Calm	N	Calm	SW	N	WSW	24.3	29.3	44.5	51.5	149.6	7	Ci.-S.	S.-Cu.	7	Ci.-S.	Cu. W
7	Calm	SW	SW	SW	SW	SW	46.7	83.2	79.2	91.7	300.8	10	Ci.-S.	N. WSW	10	Ci.-S.	N. WSW
8	SW	WSW	SW	SSW	W	Calm	58.4	77.2	87.4	20.9	243.9	10	Ci.-S.	N. WSW	7	Ci.-S.	S.-Cu. SW
9	SW	Calm	SSW	SSW	SW	SSW	50.4	82.6	93.3	101.6	327.9	8	Ci.-S.	S.-Cu. SSW	7	A.-Cu.	S.-Cu. SSW
10	SSW	S	S	SW	SW	W	48.9	68.2	80.7	75	272.8	7	Ci.-S.	S.-Cu. SbyW	8	A.-Cu.	S.-Cu. SSW
11	Calm	N	SE	Calm	Calm	SW	29	35.9	25.4	48.6	138.9	10	Ci.-S.	Fr.-N.	9	A.-S.	S.-Cu.
12	N	N	WSW	WSW	N	N	26	51.5	57.9	36.7	172.1	7	Ci.-S.	S.-Cu. WNW	8	Ci.-S.	S.-Cu. W
13	Calm	N	N	NNW	N	Calm	20.4	35.9	52.5	15.6	124.4	9	A.-Cu.	S.-Cu.	8	Ci.-S.	S.-cf. NNW
14	Calm	NNW	NNW	N	N	NNE	22.8	46.9	65.7	48.3	183.7	10	Ci.-S.	N. NNW	10	Ci.-S.	N. N
15	NNE	NNE	NNE	NE	ENE	EbyN	60.6	103	114.5	87.1	365.2	10	Ci.-S.	N. NEbyN	10	Ci.-S.	N. NE
16	E	ESE	ESE	SE	SE	SE	84.5	110	115.4	132	441.9	9	Ci.-S.	S.-Cu. SE	10	Ci.-S.	N. SE
17	SE	SE	SE	SSE	S	S	131	96.3	67.8	56.9	352	9	Ci.-S.	S.-Cu. SbyE	9	Ci.-S.	S.-Cu. S
18	Calm	N	SSW	SW	Calm	Calm	26	37.6	41.6	13.9	119.1	1	----------	Cu.	6	Ci.-S. NE	Cu.
19	N	Calm	NNW	N	Calm	Calm	26.4	28.5	47.2	17.5	119.6	7	Ci.-S.	S.-Cu. NE	7	Ci.-S.	cu.-N. NNE
20	Calm	Calm	S	SW	N	Calm	13.1	29	49.3	14.5	105.9	7	Ci.-S.	S.-Cu. NNE	8	Ci.-S.	N. NNE
21	Calm	N	WNW	N	N	Calm	19.5	40.2	35.1	19.6	114.4	9	A.-Cu.	N. NNE	9	A.-Cu.	S.-Cu. NNE
22	N	Calm	NNE	NNW	Calm	Calm	21.2	39.7	24.1	15.8	100.8	2	Ci.	S.-Cu.	8	Ci.-S.	Cu.-N.
23	Calm	Calm	SW	WNW	Calm	Calm	18.7	40.4	44.6	11	114.7	5	Ci.-S.	S.-Cu. NNE	6	Ci.-S.	Cu. NbyW
24	Calm	Calm	NNW	Calm	Calm	Calm	16.7	37	37.2	15.3	106.2	6	Ci.-S.	S.-Cu. NNE	8	Ci.-S.	Cu.-N.
25	Calm	Calm	W	W	WNW	W	20.9	52.5	76.4	61.4	211.2	7	Ci.-S.	S.-Cu.	8	Ci.-S.	S.-cf. WbyN
26	WSW	SW	SW	SW	Calm	N	78.6	80.2	55.3	23.1	237.2	8	Ci.-S.	S.-Cu. SW	6	Ci.	Cu.
27	N	N	E	SW	Calm	Calm	27.4	42.9	32.4	17.7	120.4	4	Ci.	S.-Cu.	2	----------	Cu.
28	N	N	S	S	NE	N	29.2	42.6	51.7	27.6	151.1	3	Ci.	Cu.	6	Ci.-S.	Cu.-N. NE
29	Calm	N	SSE	Calm	Calm	N	21.9	24.3	19.3	22.8	88.3	2	Ci.	S.-Cu.	10	Ci.-S.	Fr.-N.
30	N	Calm	S	SW	Calm	Calm	28.4	42.8	37	21.5	129.7	10	Ci.-S.	S.-Cu. ENE	1	----------	Cu.
31	N	N	S	WNW	Calm	Calm	27.2	46.7	38.3	15	127.2	0	----------	S.-Cu.	9	Ci.-S.	N. N
Mean	------	------	------	------	------	------	36.9	52.3	56	38.1	183.2	6.5	----------	----------	7.3	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	5,679.8	----	----------	----------	----	----------	----------

CALBAYOG.

[$\phi = 12° 04'$ N; $\lambda = 124° 36'$ E; barometer above sea, 5.5 meters; gravity correction not applied, −1.80 mm.]

NOVEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.07	58.75	58.08	56.10	56.85	58.70	24.7	24.5	28.8	28.3	26.4	25.2	30.7	24.4	95	96	87	84	88	89	2.1
2	58.43	59.28	59.87	57.86	58.99	60.60	24.8	24	29.9	28.3	27	25.7	30.9	23.6	89	87	68	75	85	93	1.5
3	59.57	59.97	59.63	57.43	59.45	60.49	24.3	23.1	29	29.4	25.1	23.9	30.9	23	95	97	76	76	92	95	7.4
4	59.14	59.33	59.77	57.32	58.67	59.59	22.8	22.5	30	32.2	26.6	24.6	33.2	22	96	96	68	54	81	94	
5	58.76	58.45	58.89	57.10	57.12	56.76	23	22.4	29.6	27.7	25	24.9	29.9	22.2	96	96	73	84	93	94	75.4
6	55.58	55.65	56.68	55.49	57.21	58.85	24.8	25.1	28.3	29.6	26	24.9	30.7	23.9	94	95	82	71	86	94	2.3
7	58.15	59.32	59.89	58.60	59.20	60.21	23.9	23.2	29.5	27.3	25.2	24.3	30.5	23	95	97	72	84	91	94	1.1
8	59.72	60.17	60.78	58.64	59.22	60.30	23.8	23.2	29.5	29	25.7	23.8	32.2	22.9	96	97	70	77	88	95	2.5
9	58.97	59.20	59.54	57.48	58.08	59.07	22.6	22.2	27.6	28.7	25.4	24.2	30.9	22	96	97	78	79	88	95	8.8
10	58.13	58.72	58.80	57.10	58.26	59.62	23.7	22.6	30.4	28.8	26.1	24.6	32.6	22.4	96	97	69	73	89	95	
11	58.82	59.19	59.47	57.84	59.15	59.69	23.8	23.7	30.7	28.3	26.1	25	31.1	23.3	96	97	72	88	92	94	8.4
12	58.80	59.48	59.99	57.95	58.27	59.25	24.7	24.5	29.7	27.2	26.2	24.6	30.5	23.8	96	97	77	88	92	95	10.4
13	58.26	58.92	58.81	57.60	58.02	58.92	23.8	23.8	28.4	25.8	25	23.5	29.6	22.4	97	97	79	90	92	96	11.1
14	57.92	58.55	58.79	57.37	58.42	59.23	22	21.6	27.9	26.5	25	24.7	30.3	21.4	96	98	82	94	91	92	37.3
15	58.54	59.45	59.70	57.61	58.42	59.38	23.4	22.5	28.5	29.2	25.6	24.8	30.9	22.4	96	98	82	80	92	93	3.8
16	58.23	59.13	59.48	57.82	58.51	59.43	23.9	23.3	28.8	31	26.3	24.6	31.9	23	96	97	76	65	82	94	
17	58.02	58.77	59.27	57.49	58.29	59.45	23.8	22.7	29.6	27.7	26.6	24.7	31.6	22.5	96	97	75	84	85	94	2.5
18	58.12	58.82	59.11	56.42	57.90	58.85	22.8	21.4	29.2	31.4	26.6	24.7	32.9	21.1	96	96	74	70	86	95	
19	57.53	58.76	58.75	56.75	57.49	58.57	23.6	22.6	30.9	27.8	26.1	24.9	32.6	22.4	96	97	70	82	89	92	1.3
20	57.59	57.77	58.21	56.24	56.74	57.78	23.7	23.7	27.8	31	26.6	24	31.3	23	97	97	87	67	82	94	1.6
21	56.57	57.36	57.75	56.16	57.30	58.30	22.6	21.7	29	26.5	25.2	24.9	30.9	21.4	97	98	79	90	92	93	13.4
22	57.32	57.69	58.04	56.20	57.55	58.56	24.6	24.2	29	29.5	25.8	24.8	30.4	24	95	97	84	77	89	93	1.6
23	57.18	57.69	58.03	56	56.96	56.90	24.7	24.3	30.6	27.6	24.8	24.7	31.1	24	93	93	72	81	94	93	17.3
24	54.88	55.02	54.96	52.17	52.24	48.30	24.7	24.8	26.3	25.8	24	24.7	27.7	23.5	94	97	93	93	94	94	50.3
25	43.30	50.53	54.34	53.88	56.14	57.62	25.7	26.6	29	29	24.6	23.3	30.7	22.7	87	79	73	79	93	96	
26	57.54	58.35	58.54	56.27	57.06	58.66	22.7	22.1	29.5	29.7	27.4	25.1	31.3	21.9	97	98	79	80	87	93	
27	57.77	58.48	58.88	56.50	56.68	56.50	23.6	22.9	28.5	29.2	24.6	25.2	31.3	22.7	96	97	80	74	97	94	40.7
28	54.60	55.36	56.10	54.33	55.35	56.92	25.2	25.3	27.4	28.7	25.6	24.8	30.1	24.5	96	96	89	85	93	95	28.7
29	56.66	57.37	58.33	57.01	58.21	59.68	23.9	23.8	25.6	27.5	26.1	24.7	28.5	22.4	96	97	93	84	92	95	24.9
30	58.85	59.33	59.99	57.64	59.25	60.65	22.6	21.9	28.4	29.5	26.2	24.9	30.5	21.7	97	98	84	80	84	92	
Mean	57.37	58.16	58.62	56.75	57.70	58.56	23.8	23.3	28.9	28.6	25.8	24.6	30.9	22.8	95.3	95.9	78.1	79.6	89.3	93.8	
Total																					354.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	N	NNE	NE	NE	NE	16.1	44.6	74.8	41.8	177.3	10	Ci.-S.	N. NNE	10	Ci.-S.	N. NE
2	ENE	E	SE	SE	Calm	Calm	41.3	58.2	35.1	21.5	156.1	3		S.-Cu.	7	Ci.-S.	S.-Cu.
3	Calm	N	S	Calm	Calm	Calm	24.4	44.8	41.3	17.1	127.6	0		S.-Cu.	7	Ci.-S.	Cu.-N.
4	N	N	NNE	NNE	Calm	Calm	30.1	52.8	50.5	17.4	150.8	4	Ci.	S.-Cu.	6	Ci.	Cu. NNE
5	Calm	Calm	NNE	NNW	N	NE	14	33.5	34.6	42.6	124.7	9	Ci.-S.	Fr.-S.	8	Ci.-S.	S.-Cu. N
6	NE	NE	ESE	ESE	ESE	NE	57.9	61	63.1	25.2	207.2	10	A.-Cu.	N. NE	9	A.-Cu.	S.-Cu. ESE
7	Calm	NNE	ENE	NE	NE	Calm	22.8	39.4	50.4	17.9	130.5	9	A.-Cu.	S.-Cu. E	10	A.-Cu.	S.-Cu.
8	Calm	N	NNE	NE	Calm	Calm	21.5	56.6	44	16.9	139	2	Ci.	S.-Cu.	7	Ci.-S.	Cu.-N. NE
9	N	N	NNE	NE	Calm	N	22	40.7	41.8	21.5	126	6	Ci.-S.	S.-Cu. NE	6	A.-Cu. E	Cu.-N.
10	Calm	Calm	NE	NNE	Calm	Calm	23.6	54.5	46.2	18	142.3	4	Ci.	S.-Cu.	8	Ci.-S.	S.-Cu. NE
11	Calm	N	W	Calm	NNE	N	24.3	46.5	36.8	27.4	135	3	Ci.	S.-Cu. ENE	8	Ci.-S.	S.-Cu. NE
12	Calm	Calm	NNE	Calm	NNE	Calm	22.3	35.6	23.9	26.4	108.2	9	Ci.-S.	S.-Cu.	9	Ci.-S.	N. ENE
13	N	N	SW	WNW	NNE	N	25.5	40.4	38.6	27.4	131.9	9	Ci.-S.	N. ENE	10	Ci.-S.	N. ENE
14	Calm	N	SSE	NNE	NNE	Calm	18	34.4	50.1	16.9	119.4	0		S.-Cu.	8	Ci.-S.	Cu.-N.ENE
15	Calm	Calm	SSW	W	Calm	N	13.7	36.4	41.6	24.4	116.1	0		Cu.	5	Ci.-S.	Cu.-N.ENE
16	Calm	NNW	S	SSE	NNE	Calm	20.1	44.9	44.6	23.5	133.1	0	Ci.	S.-Cu.	6	Ci.-S.	Cu.-N.ENE
17	N	N	S	N	NNE	Calm	26	36.5	50.2	17.5	130.2	3		S.-Cu. ENE	7	Ci.-S.	Cu.-N. NE
18	N	N	NNE	SW	NE	Calm	26.8	38.8	46.9	22	134.5	0			5		Cu. NE
19	Calm	Calm	N	NNE	NNE	Calm	15.8	38.1	44.6	11.6	110.1	0		Cu.	9	A.-Cu.	S.-Cu. N
20	Calm	Calm	NNW	NNW	Calm	Calm	13.1	49.3	52.5	16.3	131.2	8	Ci.-S.	S.-Cu. N	7	Ci.-S.	S.-Cu. N
21	N	N	NW	WNW	NNE	Calm	24.9	38.6	38.8	13.4	115.7	4	Ci.	S.-Cu.	9	A.-Cu.	S.-Cu.NNW
22	Calm	Calm	NNW	N	N	Calm	8.5	42.3	73.8	15	139.6	9	Ci.-S.	N. NNE	7	Ci.-S.	S.-Cu. N
23	N	Calm	N	N	Calm	Calm	27.1	76.7	55.3	17.7	176.8	5	Ci.-S.	S.-Cu. N	9	Ci.-S.	S.-Cu. N
24	NNW	NW	NNW	N	NNW	N	39.6	50.5	98.5	148.7	337.3	10	Ci.-S.	N. N	10	Ci.-S.	N. N
25	ENE	ESE	SE	SSE	N	N	232.7	128.2	76.2	31.9	469	10	Ci.-S.	Fr.-N. SE	8	A.-Cu.	S.-Cu. SE
26	N	N	Calm	SW	Calm	N	34.9	34	47.3	23.9	140.1	0			5	Ci.-S.	Cu. NNE
27	Calm	Calm	NNW	N	Calm	NNE	12.4	34.3	59	35.7	141.4	6	Ci.-S. E	S.-Cu.	10	Ci.-S.	S.-Cu. N
28	NE	NE	NE	NE	E	Calm	74.2	64.6	59.5	31.1	229.4	10	Ci.-S.	N. NE	10	Ci.-S.	S.-Cu. ENE
29	Calm	E	Calm	Calm	Calm	Calm	29.6	20.6	38.4	27.6	116.2	10	Ci.-S.	Fr.-N.	10	A.-Cu.	S.-Cu.
30	NNE	Calm	SSE	S	ESE	Calm	24.6	41.5	42.4	20.6	129.1	8	Ci.-S.	S.-Cu.	6	A.-Cu. SE	Cu.
Mean							32.9	47.3	50	27.3	157.5	5.4			7.9		
Total											4,725.8						

CALBAYOG.

[$\phi = 12°\ 04'$ N; $\lambda = 124°\ 36'$ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.80 mm.]

DECEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.81	61.12	61.79	59.30	60.65	61.57	24.3	23.5	27.8	29	25.8	24	29.4	23.1	95	97	83	80	91	95	
2	60.51	61.12	61.58	58.88	59.61	60.30	22.7	21.8	29.3	29.3	25.7	23.2	30.7	21.4	97	97	78	76	91	95	2.8
3	58.94	59	59.16	56.61	57.34	57.99	23.1	22.4	27.1	29	25.8	23.1	30.2	22.1	96	98	81	69	85	96	
4	56.76	56.81	57.57	55.53	56.50	57.50	22.4	24	27.2	28	26.8	26.2	28.3	22.2	96	90	77	74	84	88	
5	56.58	57.45	58.90	56.90	57.80	58.96	26	26	28.5	29.4	27.1	23.6	30	22.5	88	87	78	73	85	96	
6	58.50	59	59.84	57.93	59.24	60.64	22.1	21	27.7	29.3	26.3	24.5	31.1	20.8	96	98	82	76	84	95	
7	59.71	60.42	60.49	58.86	59.88	60.66	23.6	23.5	30.2	28.5	24.7	23.9	31.8	23.2	97	97	67	73	88	94	
8	59.64	60.06	60.41	58.61	59.22	60.44	23.3	21.2	28.8	30.4	25.5	23.2	30.8	21	96	96	70	69	87	95	4.1
9	59.77	60.41	61.34	59.38	59.79	60.81	23.3	23	25	25.3	24.7	24	26.3	22.7	94	96	92	93	94	96	13.7
10	59.41	60.01	61.75	59.60	60.06	61.34	23.8	23.7	23.3	26	24.2	22.9	26.6	22.5	97	97	97	89	91	97	38.3
11	59.42	60.10	61.05	59.14	60.05	61.29	22.7	22.9	28	28.9	25.7	23.7	30	22.5	97	97	84	76	85	96	1.8
12	60.29	60.64	61.45	59.29	60.23	60.66	22.9	22.7	28.5	29	25.8	25.4	31.9	22.2	97	97	78	72	90	90	.8
13	59.86	60.61	61.74	59.89	60.43	61.69	24.9	24.3	27.2	27	25.3	24.3	27.6	24	92	95	84	86	90	95	3.8
14	60.50	60.79	61.40	59.35	60.48	61.21	23.7	23.4	29.3	29	26.1	23.9	31.3	23	97	97	75	74	82	94	
15	60.04	60.65	60.98	59.10	60.21	61.43	22.8	22.6	29.8	28.7	26.3	24.7	32.3	22.2	97	97	70	78	83	94	
16	60.37	60.65	60.68	58.59	60.01	60.96	22.6	21.6	29.4	30.4	25.4	23.7	31.6	21.4	96	97	68	61	86	96	
17	59.89	60.36	60.73	58.84	59.58	60.36	22.2	21.5	29	26.6	25.6	22.8	29.9	21.3	96	97	74	86	86	96	3.8
18	59.09	59.67	59.68	57.36	57.85	58.34	20.8	19.3	27.8	29.2	24.9	23.1	31.3	19.2	96	97	76	60	83	93	
19	57.43	58.38	59.15	57.50	58.72	59.24	21.2	20.2	29	27	24.6	23.1	29.6	20	96	98	74	83	92	96	
20	58.29	58.75	59.27	57.51	58.42	59.38	23	22.6	28	27.1	25.7	23.8	29.7	22.4	96	97	81	91	91	95	3
21	58.39	58.93	59.33	57.64	58.30	59.51	23	22.6	28.2	27.2	25.2	24.3	29.7	22.4	96	97	80	87	92	95	6.3
22	58.87	59.28	59.88	58.22	58.92	60.59	24.1	24	27.7	26.4	24.7	24.2	29.3	23.6	96	97	86	90	95	96	25.1
23	59.68	60.96	61.59	59.14	59.95	61.32	22.7	22	23.5	28.3	24.7	23.2	29	21.8	97	97	93	77	92	95	1.5
24	59.69	59.59	60.30	58.68	59.54	60.70	23	22	29.7	25.7	24.5	23.9	31.4	21.9	96	97	73	93	94	95	13.2
25	59.75	59.96	60.76	59	60.29	61.34	23.4	23.3	28.4	30.2	24.7	23	31.1	21.8	96	96	79	71	92	96	
26	60.39	60.60	60.98	58.74	59.96	61.15	22.2	22.3	27.5	31.1	26.1	24.8	32.2	21.6	97	97	79	60	75	83	
27	60.41	60.41	60.85	59.27	59.88	60.85	22.9	22.8	28.5	27.7	26	24.5	30.7	22.2	94	95	78	80	90	94	6.3
28	59.49	60.56	61.53	59.61	60.25	61.15	23.9	23.8	26	27	26.1	24.3	28.6	23.3	95	95	89	86	90	95	5.8
29	60.49	61.26	61.91	59.70	61.08	61.99	23	22.5	28.9	29.4	25.6	23.9	30.7	22.3	96	96	76	73	84	95	
30	60.67	61.19	61.85	59.48	60.30	61.59	23.7	22.1	29.2	30.6	26.1	24.1	31.2	21.9	96	96	72	59	79	94	9.4
31	59.79	60.60	60.81	59.09	59.62	60.78	23.8	23.6	28.6	29	24.8	24.4	31.4	23.2	95	96	78	72	92	93	2.5
Mean	59.43	59.98	60.60	58.60	59.49	60.51	23.1	22.7	28	28.4	25.5	23.9	30.2	22.1	95.7	96.2	79.1	77	87.8	94.3	
Total																					142.2

Day.	Wind. Direction.						Total movement in 6 hours.				Total movement in 24 hours.	Clouds. 6 a. m.			Clouds. 2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	Calm	SW	N	N	17.5	30.4	35.2	28.7	111.8	7	Ci.-S. SE	S.-Cu.	5	Ci.-S.	Cu. E
2	NNE	N	NE	NE	Calm	Calm	34	42.1	37.3	12.9	126.3	6	Ci.-S. ESE		9	Ci.-S.	S.-Cu. NE
3	Calm	Calm	N	NNW	Calm	Calm	15.3	54.1	53.6	18.8	141.8	8	Ci.-S.	S.-Cu.	7	Ci.-S.	S.-Cu. N
4	Calm	WNW	W	W	W	WSW	31.2	74.3	77.5	89.9	272.9	9	Ci.-S.	S.-Cu.	8	Ci.-S.	S.-Cu. WNW
5	WSW	SW	SW	SW	SW	Calm	60	79.9	71.6	22.7	234.2	9	A.-Cu.	S.-Cu. W	5	Ci.	S.-cf. SW
6	N	N	S	W	Calm	Calm	30	41	44	16.7	131.7	1		S.-Cu.	4		Cu. N
7	Calm	N	N	NNE	NNE	N	18.3	70.8	84.7	29.6	203.4	7	Ci.-S.	S.-Cu. NNW	6		S.-Cu. N
8	N	N	NNE	NE	Calm	Calm	24.7	57.4	62.5	7.8	152.4	0	Ci.	S.-Cu.	4	Ci.	Cu.
9	Calm	Calm	NNE	NE	NE	Calm	22.5	47.8	40.5	26.4	137.2	10	Ci.-S.	Fr.-N. NbyE	10	Ci.-S.	N. NNE
10	Calm	Calm	NE	NNE	NE	Calm	17.4	37.5	52.3	29.8	137	10	Ci.-S.	N. NE	10	Ci.-S.	S.-Cu. NE
11	N	N	NNE	ENE	NE	N	34.3	52.6	64.4	32	183.3	7	Ci.-S.	S.-Cu. NNE	6		S.-Cu. E
12	Calm	N	NE	ENE	NE	NE	26.6	63.3	74.2	51	215.1	0		S.-Cu.	7	Ci.-S.	S.-cf. ENE
13	NE	NNE	ENE	NE	NE	NE	32.5	41.8	34	25.9	134.2	8	Ci.-S.	S.-Cu. ENE	10	Ci.-S.	S.-Cu.
14	Calm	N	SE	S	NNE	NNE	26.2	39.7	45.9	34.9	146.7	3	Ci.	S.-Cu.	6	Ci.	Cu.
15	NNE	NNE	ENE	SSW	NE	NNE	35.4	49.4	54.7	44.6	184.1	0	Ci.	S.-Cu.	6	Ci.	Cu. ENE
16	N	N	NE	NE	NE	N	34	69.8	66	40.8	210.6	0	Ci.	S.-Cu.	6		S.-cf. NE
17	N	N	NE	NE	Calm	Calm	28.2	44.9	42.1	32.8	148	0	Ci.	S.-Cu.	9	Ci.-S.	N. NE
18	Calm	Calm	NW	NNW	Calm	NW	21.7	37	55.5	21.2	135.4	4	Ci.	S.-Cu.	7	Ci.-S.	S.-Cu. N
19	Calm	Calm	W	W	Calm	N	24.4	43.8	49.3	24.7	142.2	4	Ci.	S.-Cu.	10	Ci.-S.	S.-Cu. NW
20	Calm	N	N	SW	Calm	Calm	17.7	28.8	52.5	12.1	111.1	6	Ci.-S.	S.-Cu. NNE	8	Ci.-S.	S.-Cu. NW
21	Calm	Calm	NNW	N	Calm	Calm	16.7	39.7	29.6	6.7	92.7	4		S.-Cu. N	9	Ci.-S.	S.-Cu. NNE
22	Calm	Calm	S	W	N	NE	10.5	31.9	38.3	31.2	111.9	9	Ci.-S.	N. NNE	9	Ci.-S.	N. NE
23	N	N	N	N	NNE	Calm	70.5	71.4	86.6	12.6	241.1	10	Ci.-S.	N. NNE	8	A.-Cu. E	S.-Cu. N
24	N	Calm	NNE	N	N	N	17.7	47.3	34	28.7	127.7	6	A.-Cu. SE	S.-Cu.	10	Ci.-S.	Fr.-N. NE
25	NNE	Calm	NE	NE	N	N	22.8	62	74.8	26.2	185.8	8	A.-Cu.	S.-Cu. NE	8	Ci.-S.	S.-Cu. NE
26	N	Calm	S	E	N	Calm	27.1	37.5	62	19.3	145.9	9	Ci.-S.	S.-Cu. NE	5		Cu. E
27	N	NNE	ENE	SSW	Calm	N	29.5	39.4	39.6	29	137.5	8	Ci.-S.	S.-Cu. ENE	7	A.-Cu. SE	S.-Cu. ENE
28	N	Calm	Calm	Calm	Calm	NNE	25.2	26.6	30.6	25.4	107.8	10	Ci.-S.	N. ENE	9	Ci.-S.	Fr.-N. E
29	N	N	E	S	N	Calm	29.5	46.1	56.8	29.5	161.9	1		S.-Cu.	7		S.-cf. ENE
30	N	Calm	ENE	E	Calm	Calm	25.2	44.8	68.7	20.1	158.8	1		S.-Cu.	1		Cu.
31	NE	Calm	NE	NE	NNE	N	22.2	63.1	72.6	30.8	188.7	9	Ci.-S.	N. NE	10	Ci.-S.	N. ENE
Mean							27.4	48.9	54.6	27.8	158.7	5.6			7.3		
Total											4,419.2						

LEGASPI.

[$\phi = 13°\ 09'$ N; $\lambda = 123°\ 45'$ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

JANUARY, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.30	60.20	61.03	59.15	59.79	60.72	25	24.8	28.2	31.4	26.3	25	31.8	23.3	83	85	76	61	79	83	
2	60.26	60.76	61.65	59.84	60.60	61.64	23.9	22.8	30.6	30.7	26.5	25.4	32.1	21.6	91	92	58	58	76	83	4.5
3	61.21	61.23	62.51	60.56	61.21	61.97	24.8	24.5	27	29.3	26.3	25.6	30.2	22.6	87	87	70	66	79	80	1.5
4	61.15	61.95	62.30	60.64	61.19	61.33	24.8	24.3	28.7	28	25.4	24.6	29.6	22.7	86	89	75	85	88	87	7.3
5	61.11	61.23	61.99	60.10	60.42	60.55	24.4	25	27	27.1	26.2	25.3	29	22.5	89	86	83	81	83	84	2.6
6	60.21	60.33	61.22	59.73	60.24	60.75	25	25.1	26.6	28.3	26.1	25.5	29	23.4	83	83	79	68	75	76	
7	60.57	60.77	61.89	60.34	60.74	60.98	24.4	24.3	27.7	26.3	25.9	24.2	30.9	22.4	82	82	65	77	77	76	.3
8	60.72	61.47	61.59	59.95	60.26	60.52	24	24.1	27.9	30.4	26.3	24.5	31.6	21.6	75	81	69	63	77	86	.8
9	60.31	60.87	61.58	59.64	60.26	60.92	24.1	23.9	27.6	31.5	26.8	25.4	32.1	22.4	86	88	72	62	77	84	
10	60.30	61.28	62.14	60.26	60.30	61.74	23.7	21	29.4	29.1	26.4	25.1	32	19.9	93	95	71	72	77	84	1.8
11	61.21	62.57	63.35	61.18	62	62.71	24.3	22.8	27.5	31.3	26.4	25.5	31.5	21.8	88	95	73	65	81	85	33
12	61.57	62.37	63.30	61	62.27	62.95	24.6	23.9	25.9	27.2	25.4	25.4	28.1	22.4	83	88	84	81	88	84	11
13	62.28	62.55	63.60	61.30	62.22	63.56	24.3	24	26.6	27.3	25.5	25	28.6	23	91	91	80	72	76	76	.3
14	62.93	62.88	63.73	61.44	61.76	62.69	24.3	23.8	27.7	30.3	26	25	31.5	22.7	76	78	68	60	76	79	
15	62.50	62.48	63.75	61.75	62.05	63.55	24.2	23.8	27.7	30.6	26.4	25.5	31.5	22.5	79	83	68	63	79	80	1.3
16	62.98	63.07	64.14	62.04	62.39	63.62	24.8	24.5	27.7	30.9	26.5	25	31.7	22	78	86	73	63	80	84	
17	62.96	62.87	64.20	62.48	62.92	63.97	24.3	24	27.5	30	26	24.8	30.6	23	83	83	66	69	79	83	1.3
18	63.10	63.03	64.04	62.13	62.44	63.35	23.9	23.5	27.9	31.4	26.3	25.5	32.5	22.5	81	83	63	61	74	77	
19	63.15	63.26	64.75	62.75	63.01	63.82	24.6	24.3	27.3	31.9	26.6	25.2	32.7	23.1	82	83	70	59	77	82	
20	63.45	63.01	64.24	62.44	62.44	63.55	24.9	24.5	26.5	27.5	25.4	24.8	29.8	23.5	82	84	76	73	76	77	1.1
21	63.18	62.88	64.23	62.40	62.62	63.32	23.9	23.1	27.4	30.9	25.6	24.3	31.6	21.9	80	80	64	59	74	78	.5
22	62.58	62.40	64.07	61.75	61.72	62.70	23.5	23.1	27.7	31.4	26.3	24.2	32	22	80	81	64	57	70	76	
23	62.58	61.94	63.15	61.80	61.79	63.01	22	18.4	28.4	29	25.8	24.6	32.3	17.2	88	94	64	71	79	87	
24	62.88	62.97	64.04	62.30	62.20	63.29	22.6	21.4	26.5	30.8	26.3	24.3	32.7	19.1	89	95	76	67	76	86	
25	62.87	62.81	63.91	62.24	62.25	63.22	23.9	23.6	29.1	31.5	26.8	24.6	32.1	21.4	86	86	63	60	71	84	
26	62.80	62.78	63.96	62.46	63.01	64.09	23.9	23.5	27.2	28.9	25.8	25.1	30.7	22.6	81	83	68	69	78	81	1
27	63.91	63.96	65.06	63.10	63.41	64.02	24.4	24.2	28.3	31.5	26.5	25.4	32.2	22.8	83	78	64	60	74	75	
28	63.52	63.48	64.58	62.14	62.64	63.62	24.7	24.1	28.4	30	25.9	25.6	31.5	22.9	83	86	68	65	79	78	
29	63.27	63.26	64.13	61.80	62.21	63.37	25	24.4	28.7	31.9	26.5	24.9	32.5	23	82	84	62	58	83	83	
30	62.61	62.28	63.84	61.66	62.12	63.24	24.7	24.2	28.1	31.4	26.8	24.8	31.9	22.7	83	82	63	63	70	80	8.4
31	62.87	62.76	64.05	61.75	61.95	63.02	24.5	23	25.3	29.9	25.6	24.3	30.2	21.5	82	94	82	66	75	76	1.1
Mean	62.11	62.25	63.29	61.36	61.76	62.64	24.2	23.6	27.7	29.9	26.1	25	31.2	22.1	83.7	86	70.2	66.3	77.5	81.1	
Total																					77.8

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.	
												Amount.	Form and direction.		Amount.	Form and direction.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NNE	NNE	NE	ENE	Calm	Calm	62	73.7	60.9	38.4	235	9	Ci.-S.	Fr.-N. ENE	6	Ci.-S.	Cu. E
2	NE	Calm	ENE	NE	NE	NE	26	52	73.2	88.3	239.5	2	A.-Cu.	Cu. ENE	3	Ci.	Cu. NE
3	NE	NE	NE	NE	NE	NE	81.3	109.2	112.7	92.8	396	9	Ci.-S.	Cu.-N. ENE	10	Ci.-S.	Cu. ENE
4	NE	NE	ENE	ENE	NE	NE	82.6	89.6	80.2	71.4	323.8	8	Ci.-S.	Cu. E	8	Ci.-S.	N. ENE
5	NE	NE	NE	NE	NE	NE	82.3	101.7	102.7	98.5	385.2	7	Ci.-S.	Cu.-N. E	10	Ci.-S.	Fr.-N.
6	NE	NE	NE	NNE	NE	NNE	110	122.6	111.3	114.3	458.2	7	Ci.-S.	Fr.-N. ENE	8	Ci.-S.	Cu. ENE
7	NE	NNE	NE	NE	NE	NE	104.6	124.7	90.9	75.1	395.3	1	----------	Cu.	9	Ci.-S.	Cu.-N.NE
8	NNE	NE	ENE	NE	NE	N	37	84.2	95	72.4	288.6	3	----------	Cu. E	3	----------	Cu. NE
9	NNE	NE	NE	ENE	NE	E	48.6	64.7	52.8	41.5	207.6	3	Ci.	Cu. NE	1	----------	Cu.
10	Calm	Calm	E	ENE	NE	NE	15.3	26.9	65.7	49.4	157.3	1	Ci.	Cu.	6	Ci.-S.	Cu. ENE
11	NE	Calm	NE	E	NE	NE	34.8	40.2	57.4	59.2	191.6	3	A.-Cu.	Cu. E	6	Ci.-S.	Cu. NE
12	NE	ENE	ENE	ENE	NE	NE	103	110.5	110.7	116.4	440.6	10	----------	N.	10	Ci.-S.	Fr.-N.NE
13	ENE	NE	ENE	ENE	NE	NE	99.2	99.5	100.3	61	360	10	Ci.-S.	Fr.-N. ENE	9	Ci.-S.	cu.-N.ENE
14	NE	N	NE	NE	NE	NE	66.8	94.6	73.5	78.1	313	3	Ci.	Cu.	4	Ci. SE	Cu. NE
15	NNE	N	NE	NE	NE	ENE	54.1	80	66.3	50.4	250.8	3	Ci.	Cu. ENE	4	----------	Cu. NE
16	NE	NNE	NNE	ENE	NE	N	54.5	80.7	67.1	48.5	250.8	4	Ci.	Cu. NE	1	----------	Cu.
17	NE	NNE	NNE	ENE	NE	NNE	62.6	77.2	68.1	70.5	278.4	1	Ci.	Cu.	4	----------	Cu. E
18	NNE	N	NNE	ENE	ENE	ENE	70.6	88.5	61.5	57.7	278.3	1	----------	Cu.	4	Ci.	Cu. NE
19	E	NE	NE	NE	NE	NE	58.7	75.3	73.5	81.6	289.1	1	Ci.	Cu.	4	----------	Cu. ENE
20	NE	NNE	NNE	NE	NE	NE	75.6	103.6	96.9	78.9	355	3	Ci.	Cu.	9	----------	N. NE
21	NE	N	NE	E	NE	NE	68.2	87.5	76.9	54.1	286.7	1	Ci.	Cu.	1	----------	Cu.
22	NE	N	NNE	E	NE	NE	83.2	88.5	74.8	40.7	287.2	1	----------	Cu.	1	----------	Cu.
23	Calm	Calm	NE	E	NE	NE	19.5	59.8	----	47.5	-------	2	A.-Cu.	Cu.	5	Ci.-S.	Cu. NE
24	Calm	Calm	E	ENE	NE	Calm	10	34.3	59.5	29.3	133.1	8	Ci.-S.	Cu. ENE	3	----------	Cu. ENE
25	NE	NE	ENE	ENE	NE	NE	38.6	70.5	62.8	30	201.9	1	----------	Cu.	1	----------	Cu.
26	NE	NE	NE	ENE	E	N	34.1	72.7	76.6	67.4	250.8	1	----------	Cu.	2	----------	Cu.
27	N	NNE	NE	E	NE	N	57.9	84.8	88.2	88.8	319.7	1	Ci.	Cu.	3	Ci.	Cu. NE
28	NNE	N	NE	NE	NNE	NNE	71.4	103.2	96.3	95.8	366.7	1	Ci.	Cu.	1	Ci.	Cu.
29	NNE	NE	NE	ENE	NE	NE	85.3	72.1	75.3	62.3	295	2	Ci.	Cu. NE	3	----------	Cu. NE
30	NE	N	NNE	NE	E	E	62	56.6	56.6	25.4	200.6	2	----------	Cu. NE	1	Ci.	Cu.
31	NE	E	NE	NE	ENE	Calm	48.6	24.1	40.2	33.3	146.2	10	Ci.-S.	Fr.-N. NE	7	Ci.-S.	Cu. NE
Mean							61.6	79.1	77.6	65.1	286.1	3.8	----------	----------	4.7	----------	----------

LEGASPI.

[$\phi = 13°\ 09'$ N; $\lambda = 123°\ 45'$ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

FEBRUARY, 1912.

Day.	Atmospheric pressure, 700 mm.						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	62.71	62.68	63.39	61.15	61.47	62.95	23.8	20.7	28.4	31.6	26.5	25.4	32.1	19.8	85	94	67	60	76	77	------
2	62.35	62.27	63.30	60.93	61.77	63.02	24	21.1	29.5	32.6	26.5	24.7	33	19.9	87	94	65	54	80	81	3.6
3	62.76	62.62	63.76	61.34	61.92	62.68	24.7	22.4	25.5	27.3	25.1	24.9	30.1	21.4	80	96	84	73	79	79	2.3
4	62.47	62.52	63.60	62.04	62.96	63.63	24.8	24.6	28.2	30	26.1	24.4	31.6	23	77	78	66	63	83	91	29.2
5	63.57	63.51	64.49	62.81	63.40	64.54	24.3	23.3	25	25.4	25.3	25.1	27.9	21.8	88	95	88	84	80	75	7.6
6	64.08	63.97	65	63.25	62.87	64.51	24.8	24.6	27.4	30.3	26.4	24.9	30.5	23.3	75	77	70	57	68	76	------
7	64.13	64.06	65.17	62.91	62.86	64.43	24.1	23.9	28.2	30.3	25.5	24.2	30.5	22.4	81	79	61	58	72	78	------
8	64	63.92	64.48	62.35	63.02	64.16	23.9	23.4	27.3	31.6	25.9	23.9	32	21.5	81	86	66	55	72	79	------
9	63.32	63.23	63.73	61.33	61.89	63.07	23.8	23.7	27.6	31.7	27.4	24.4	32.7	22.1	79	80	64	56	73	89	.8
10	62.60	62.36	63.06	60.91	61.14	62.26	24.2	24.1	26.1	28.7	24.4	25.3	31	22.7	86	82	79	73	89	81	2.8
11	61.90	61.41	62.79	61.11	61.32	62.67	24.7	24.7	25.9	26.9	24.3	24.5	27.6	22.7	82	81	81	84	88	87	11.9
12	61.68	61.51	61.95	59.91	60.39	61.46	24.4	24.4	28.5	27.5	24.3	24.4	30.7	22.2	87	87	68	74	87	82	2
13	61	60.86	61.43	59.20	59.60	60.30	24.1	23.9	28.9	31.7	26.4	25.6	32.2	22.4	84	83	67	57	80	81	------
14	59.76	59.61	60.66	58.20	58.53	60.20	25.2	25	28.6	30.7	25.4	24.9	32.6	23.5	80	82	69	60	89	91	------
15	59.51	59.47	60.57	58.74	59.57	60.64	24.5	24.4	30	31	27	25.9	33.1	21.5	91	91	71	65	83	88	.3
16	60.55	60.24	61.35	58.72	58.41	60.52	25.4	25.2	28.7	31.6	27.2	26.2	33.2	23.4	91	92	76	68	86	90	.3
17	60.37	60.24	61.53	59.46	59.21	60.34	25.7	25.4	29.6	31.6	27.1	25.7	32.4	23.9	90	91	74	63	83	85	.3
18	60.56	60.52	61.59	59.92	59.69	61.15	23.9	20.9	28.9	32.9	27	25.9	33.7	19.8	96	95	65	57	80	85	------
19	61.04	60.97	62.64	61.04	61.06	62.76	25.5	25.4	25.3	25	24.8	25.3	27.8	23	87	88	96	89	92	87	68.7
20	61.90	62.05	62.88	61.12	61.76	62.89	23.9	23.1	24	24.4	23.4	22.9	25.4	21.2	95	98	97	92	88	94	86.3
21	62.32	61.83	62.92	61.07	61.41	61.96	24.2	24.4	26.6	25	23.9	24.3	27.2	21.6	87	90	90	92	95	89	7.6
22	61.82	61.91	62.81	60.43	60.85	61.49	24.1	21.4	28.4	30	25.1	25.1	30.7	19.6	90	96	75	69	91	91	.3
23	61.76	61.73	62.44	60.10	60.54	61.81	24.2	22.9	29.3	31.5	24.5	24.4	31.9	21.6	93	97	68	63	93	95	11
24	61.73	60.91	61.12	59.10	59.72	60.85	24.5	24.4	28.6	30.9	26.4	25.4	30.9	22.4	93	93	78	67	77	80	1.3
25	60.73	60.70	61.96	60.35	60.57	61.12	24.7	24.5	29.5	31.5	26.3	25.2	32.2	22.5	85	86	68	60	80	83	------
26	60.71	60.77	62.03	59.73	60.29	61.66	24.5	24	29	32	27	25.6	32.8	22.7	87	87	69	63	79	85	------
27	60.79	60.31	61.17	59.33	59.45	60.52	25.3	25	27	25.6	26.3	25.4	29.9	23.5	86	87	80	93	82	84	11.7
28	59.98	60.16	61.23	58.86	58.91	60.09	25.2	24.8	30.4	31.2	26.8	25.7	31.6	23.4	83	85	66	62	77	80	------
29	59.98	60.01	61.50	59.24	59.40	60.81	25.2	24.8	28.6	32.1	26.9	25.1	32.5	21.9	82	84	73	63	77	81	4.6
Mean	61.73	61.60	62.57	60.51	60.83	62.02	24.5	23.8	27.9	29.7	25.8	25	31	22.1	85.8	88.1	73.8	68.1	82	84.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	252.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Nocn.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	ENE	E	E	NE	20.7	29.3	59.3	46.7	156	4	A.-Cu. ENE	Cu.	2	----------	Cu.
2	E	Calm	NE	E	NE	N	42.4	44.6	77.2	95	259.2	3	A.-Cu.	Cu. NE	2	----------	Cu.
3	NE	N	E	NE	NNE	NE	74	64.4	75.3	95.8	309.5	10	Ci.-S.	Fr.-N. NE	9	Ci.-S.	Cu.-N. NE
4	NNE	NNE	NNE	ENE	ENE	ENE	86.4	82.4	86.3	74	329.1	9	Ci.-S.	Cu. NE	4	----------	Cu. NE
5	NE	E	NE	ENE	ENE	ENE	102.5	120.2	122.9	123.3	468.9	10	Ci.-S.	Fr.-N. NE	10	Ci.-S.	Fr.-N. NE
6	ENE	NE	ENE	ENE	ENE	NE	98.4	88	90.4	105.1	381.9	5	Ci.	Cu.-N. ENE	4	----------	Cu. ENE
7	NNE	NNE	NE	NE	NE	NE	86.6	111	100.9	73.4	371.9	5	Ci.	Cu. ENE	2	----------	Cu.
8	NNE	NNE	NE	E	NE	NE	60.6	84.3	80.5	51.5	276.9	2	----------	Cu.	3	----------	Cu.
9	NNE	NNE	NNE	NE	NE	NE	52.1	77.2	62.2	72.1	263.6	1	----------	Cu. NE	4	Ci.	Cu. NE
10	NE	NNE	NNE	E	NNE	NE	80.7	89.8	74.8	68.9	314.2	7	Ci.-S.	N. NE	8	Ci.-S.	Cu.-N. NE
11	NE	NNE	NNE	NE	NNE	N	52.1	70.8	72.4	66.6	261.9	5	Ci.-S.	N. NE	8	Ci.-S.	N. NE
12	NE	NNE	NE	NNE	ESE	NE	68.2	83.2	95.8	72.4	319.6	4	----------	Cu.-N. NE	7	----------	Cu.-N.
13	NE	NNE	NE	ESE	NE	NE	76.2	80.8	71.9	65.5	294.4	3	----------	Cu. NE	2	----------	Cu.
14	NE	NE	NE	NE	Calm	Calm	55.5	86.4	77.7	36.2	255.8	3	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. NE
15	Calm	Calm	NE	NE	ENE	NE	15.6	60	66	50.2	191.8	10	Ci.-S.	N.	6	A.-Cu. ESE	Cu.
16	NE	NE	NE	NE	E	NE	46.1	57.4	55.5	57.9	216.9	9	Ci.-S.	N. NE	3	----------	Cu.
17	NE	NE	NE	E	ESE	ESE	48.3	47.3	75.9	43	214.5	6	Ci.-S.	Cu.-N. NE	2	Ci.	Cu.
18	ENE	Calm	NE	NE	NE	N	33.8	48.6	76.4	98.7	257.5	2	Ci.	Cu.	2	----------	Cu.
19	NE	NNE	NE	NNE	NNE	NNE	100.9	124.7	160.1	159	544.7	7	Ci.-S.	Fr.-N. NE	10	Ci.-S.	Fr.-N. NE
20	NE	NNE	NE	NE	NE	NE	119.4	134.6	123.7	119.6	497.3	10	Ci.-S.	N.	10	----------	N.
21	NE	E	NE	ENE	NE	NE	107.3	109.6	97.2	78.9	393	5	Ci.	Cu.-N. E	10	Ci.-S.	N.
22	NE	Calm	NE	NE	Calm	Calm	27.1	33.6	-----	-----	------	5	Ci.-S.	Cu.-N. E	10	Ci.-S.	Cu. ENE
23	Calm	Calm	NE	ENE	NNE	ENE	-----	38.4	62.6	74.5	------	9	Ci.-S.	Fr.-N. E	8	Ci.-S.	Cu.-N. ENE
24	NE	ENE	ENE	ENE	NE	NE	42	77.7	89.3	58.9	267.9	10	Ci.-S.	Fr.-N. ENE	2	Ci.	Cu.
25	NE	NNE	NE	ENE	NE	NE	68.1	99.8	82.3	70.8	321	4	----------	Fr.-N. NE	2	Ci.	Cu.
26	NNE	NNE	NE	NE	NE	NE	59.5	72.7	68.7	56.9	257.8	1	----------	Cu.	1	----------	Cu.
27	N	NE	NE	NE	NE	E	70.8	84.8	75.6	56.5	287.7	9	Ci.-S.	Fr.-N. ENE	9	Ci.-S.	N.
28	NE	NE	ENE	ENE	NE	N	39.6	76.1	77.5	64.6	257.8	1	----------	Cu. ENE	1	----------	Cu.
29	N	ENE	ENE	ENE	NE	N	69.7	55.8	82.7	79.9	288.1	3	A.-Cu.	Cu. ENE	2	----------	Cu.
Mean	------	------	------	------	------	------	64.4	77	83.6	75.6	305.9	5.6	----------	----------	5.3	----------	----------

LEGASPI.

[$\phi = 13°\ 09'$ N; $\lambda = 123°\ 45'$ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

MARCH, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.77	59.81	61.83	59.83	60.14	61.42	25	24.9	29.9	32.3	26 6	25.6	32.6	23.5	86	87	62	57	77	78	------
2	60.96	60.96	62.39	60.46	60.91	61.87	25.1	24.8	28.1	30.5	26.1	26	32	23.5	77	78	70	68	83	84	------
3	61.40	61.48	63.13	61.29	61.32	61.77	25	25.3	29.2	31.9	26.9	25.8	32.1	23.1	87	89	75	61	79	84	------
4	61.76	61.85	63	60.64	60.36	61.27	25.2	25	30	32	26.8	25.5	32.5	23	80	81	62	60	74	76	1.3
5	60.81	60.86	61.46	59.95	60.41	61.62	24.4	23.9	29	32.5	27	26	33.1	22.5	80	87	68	60	79	84	------
6	61.01	61.10	62.49	60.79	60.71	61.87	25.7	25.4	29.8	31.2	27.5	26	33.2	23.4	80	87	69	64	76	82	1
7	61.61	61.34	62.78	60.55	60.94	62.21	25.2	24.4	28.4	31.8	27.9	26.8	32.5	23.4	88	95	78	67	80	85	1.8
8	61.86	61.77	63.14	61.29	61.49	62.62	26	25.4	30.2	31.9	28.1	26.3	32.5	24.2	87	88	69	63	76	82	------
9	62.61	62.82	63.74	61.83	61.30	62.44	25.4	24.9	30.4	31.9	27	25.5	32.5	23.6	83	84	63	59	77	80	------
10	62.26	62.02	63.05	60.90	60.80	61.65	25	24.3	30.5	32.4	27.7	24.7	32.9	23	80	80	66	58	71	82	.3
11	60.15	60.11	61.36	59.45	58.95	59.92	24.5	24.3	30	31	27.4	26.3	32.9	23.2	75	87	61	64	80	82	------
12	59.18	58.79	59.89	57.83	57.94	59.40	24.2	21.5	29.2	31.5	27.8	26.6	33.4	20.4	92	98	72	69	81	87	------
13	58.52	58.72	60.27	58.19	58.52	59.80	25	22.7	30.4	33.5	27.8	26.8	33.9	21.5	94	97	67	59	84	83	------
14	59.74	60.06	61.63	59.73	59.80	61.40	26.1	25.7	30.5	32.4	27.5	26.6	33	24.4	84	86	72	64	80	83	------
15	60.52	60.50	62.14	60.28	60.26	61.12	25 8	25	30	31	27.3	26	33	23.9	81	80	67	64	78	83	------
16	60.36	60.76	62.44	60.14	60	61.41	24.2	21.7	29.7	32.5	27.7	25.6	33.1	20.4	91	94	65	55	68	75	.8
17	61.03	61.35	63.17	60.50	60.54	61.94	23.4	21.9	26.6	29.3	27.4	24.8	31.6	20.6	85	92	76	70	66	82	2.8
18	61.61	61.47	63.31	61.50	61	62.46	24.2	23.8	30.4	32	27.3	25.2	32.6	22.4	82	79	56	58	70	78	------
19	62.23	61.77	63.45	61.14	61.34	62.45	24.1	23.5	28.7	30.3	24.5	23.7	32.6	20.1	82	82	67	66	91	94	19.5
20	61.71	61.70	63.11	61.14	61.29	63.11	24.4	24.7	29.5	31	27.4	25.9	31.7	22.5	88	84	72	65	78	84	------
21	62.52	62.17	63.83	61.81	62	63.12	25.2	24.9	30.4	32.4	27.6	25.9	32.8	23.6	87	83	68	61	79	83	------
22	62.89	62.97	63.94	61.72	61.80	63	25.7	25.8	26.5	31.6	27.5	26.3	31.9	24.6	84	83	89	65	79	85	5.9
23	62.34	62.32	63.28	61.53	61.48	62.10	25.9	25.8	29.4	32.2	28.2	26.6	32.9	24.9	85	84	72	60	74	81	------
24	61.77	61.92	62.90	61.17	61.63	63.15	25.8	25.6	30.5	33.3	28.3	26.7	33.5	24	93	83	68	59	74	83	------
25	62.86	62.81	64.04	62.24	62.34	63.26	26.4	25.8	30.2	32	28.4	25.7	32.5	24.1	82	84	67	60	66	81	------
26	63.12	62.70	63.75	61.69	61.81	62.61	25.2	25	27.9	30.5	27.5	25.8	32	22	82	83	75	65	75	83	4.6
27	62.26	61.80	63.21	61.55	61.39	62.65	25.3	25	30	29.9	27.5	26	32.9	23.3	84	84	65	71	77	84	2.5
28	62.26	61.99	63.28	61.10	61.49	62.16	25.3	25.1	30.1	32	27.9	26.3	32.5	23.6	88	88	68	63	74	82	------
29	61.27	61.60	63	61.86	61.75	62.71	25.6	25	30.4	28.5	26.7	26.1	32.1	23.5	83	84	66	71	80	83	17.2
30	61.87	61.85	63.05	61.45	61.49	62.70	25.5	25.3	28.1	31.8	27.9	26.6	32.1	22.9	86	85	79	61	78	84	12.7
31	62.17	61.60	62.75	60.90	61.32	62.49	25	23.9	27.6	31.1	27.1	25.9	32	22.5	83	92	82	62	74	79	5.6
Mean	61.43	61.39	62.74	60.79	60.86	61.99	25.1	24.5	29.4	31.6	27.4	25.9	32.6	23	84.5	86.1	69.5	62.9	76.7	82.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	76

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	NE	ENE	NE	NE	N	68.6	81.1	81	72.9	303.6	3	----------	Cu.-N. ENE	1	----------	Cu.
2	NNE	NNE	NE	NE	NE	NE	92.3	91.4	92.5	63.8	340	3	A.-Cu.	Cu. ENE	4	----------	Cu. ENE
3	NE	NE	ENE	E	NE	NE	53.3	81.1	84.5	62	280.9	3	----------	Cu. E	1	----------	Cu. E
4	NE	NE	ENE	ENE	NE	NE	46.2	69	86.9	85.3	287.4	1	----------	Cu.	1	Ci.	Cu.
5	NE	Calm	NE	NE	NE	NE	58.5	67	74	77.2	276.7	3	Ci.	Cu. E	2	Ci.	Cu. E
6	NE	NE	ENE	ENE	NE	NE	56.9	78.1	77	51	263	2	A.-Cu.	Cu. E	5	A.-Cu.	Cu.-N. ENE
7	NE	NE	NE	ENE	NE	NE	53.9	52.3	77.9	62	246.1	10	Ci.-S.	N. ENE	2	----------	Cu.
8	NE	NE	NE	ENE	E	NE	50.9	82.6	76.1	49.1	258.7	1	----------	Cu.	1	----------	Cu.
9	Calm	Calm	ENE	ENE	NE	NE	11.3	57.7	81.9	60.7	211.6	4	----------	Fr.-Cu. E	1	----------	Cu.
10	NE	NE	NE	E	NE	Calm	55.2	58.1	77.2	39.2	229.7	1	Ci.	Cu. ENE	1	Ci.	Cu.
11	Calm	NE	NE	NE	NE	E	26	57.3	61.4	40	184.7	1	Ci.	Cu.	4	A.-Cu. SE	Cu.
12	Calm	Calm	NE	E	NE	NE	9.9	33.3	66	67	176.2	1	Ci.	Cu. E	8	A.-Cu. SE	Cu.
13	Calm	Calm	NE	E	E	NE	11.3	33	80.5	63	187.8	3	Ci.	Cu. ENE	1	Ci.	Cu.
14	NE	NE	E	E	E	NE	40.8	65	83.7	54.1	243.6	1	A.-Cu.	Cu.	1	Ci.	Cu.
15	ENE	ENE	ENE	E	E	NE	36.8	59.3	71.6	42.4	210.1	2	Ci.	Cu.	4	Ci.	Cu. E
16	NE	Calm	NE	ENE	NE	NE	18.2	48.9	70	49.9	187	5	----------	Cu.-N. E	2	Ci.	Cu.
17	NE	Calm	NE	NE	ENE	Calm	15.8	38.1	52.3	50.7	156.9	9	Ci.-S.	Fr.-N. ENE	4	A.-Cu.	Cu. NE
18	NE	NNE	ENE	E	E	Calm	52	51.8	85.3	58.5	247.6	1	Ci.	Cu.	1	----------	Cu. ENE
19	NE	Calm	NNE	NE	NE	ENE	26.6	62.8	92.7	109.4	291.5	2	A.-Cu.	Cu.	10	Ci.-S.	Cu.-N. ENE
20	NNE	NE	NE	NE	ENE	NE	71.8	72.1	76.6	69.4	289.9	2	A.-Cu.	Cu. ENE	6	A.-Cu. NE	Cu.
21	NE	NNE	NE	NE	NE	ENE	60	70.6	89.6	81.3	301.5	1	Ci.	Cu. E	2	----------	Cu. E
22	NE	NE	ENE	NE	NE	NE	77.5	88.5	101.9	87.9	355.8	1	----------	Cu. E	3	Ci.	Cu. E
23	NNE	NE	NE	E	E	ENE	87.5	98	79.1	73.7	338.3	2	----------	Cu.-N.	1	Ci.	Cu.
24	NE	NNE	NE	ENE	ENE	ENE	47.8	65.7	74.8	67.9	256.2	5	----------	Cu.-N. E	1	----------	Cu.
25	NE	ENE	ENE	ENE	NE	NE	59.7	80.5	86.7	48.1	275	3	----------	Cu.-N. E	1	----------	Cu.
26	Calm	NNE	ENE	ENE	NE	NE	29.3	65.4	80	68.1	242.8	5	----------	Cu.-N. E	4	Ci.-S.	Cu. ENE
27	NNE	NNE	NE	ENE	NE	NE	56.8	91.9	67.3	54.9	270.9	2	----------	Cu. E	9	Ci.-S.	Fr.-N. ENE
28	NE	NE	NE	ENE	NE	ENE	62.5	80.2	83.1	74.6	300.4	3	----------	Cu.-N. ENE	1	----------	Cu.
29	NE	ENE	ENE	ENE	NNE	NE	56.5	73.2	72.9	65.2	267.8	1	----------	Cu. E	10	Ci.-S.	Fr.-N. ENE
30	NE	NE	NE	ENE	NE	NE	68.6	84.2	82.3	91.1	326.2	3	A.-Cu.	Cu. E	1	----------	Cu.
31	NE	NNE	ENE	NE	NNE	Calm	68.9	97.6	95	46.9	308.4	9	Ci.-S.	Fr.-N. ENE	2	----------	Cu. ENE
Mean	------	------	------	------	------	------	49.4	68.9	79.4	64.1	261.8	3	----------	----------	3.1	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	8,116.3	----------	----------	----------	----------	----------	----------

LEGASPI.

[$\phi = 13°\ 09'$ N; $\lambda = 123°\ 45'$ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

APRIL, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	61.56	61.20	62.49	60.77	59.50	61.64	25	24.8	29.1	30.1	27.8	25.9	32.2	23.7	84	85	61	68	71	81	------
2	61.26	61.25	62.44	60.63	60.99	62.32	25.1	24.7	30.8	32.9	28	25.9	33	22.7	84	86	63	58	70	81	------
3	61.54	61.35	62.33	60.70	60.54	61.70	25.5	25.3	31	32.5	27.9	26.6	32.9	23.5	82	81	61	58	70	77	------
4	61.14	60.74	61.54	59.43	59.83	61.06	25.9	25.4	31.3	33.2	28	26.3	33.5	23.5	76	84	63	57	77	82	------
5	60.37	59.85	61.18	59.33	59.63	60.85	25.8	25.3	31.1	33.1	28.3	26.7	33.8	24	82	84	63	59	75	83	------
6	60.29	60.21	61.15	59.35	59.76	61.17	24.7	21.8	32	33.4	28.3	26.9	34.1	20.5	92	94	59	57	75	80	------
7	60.76	60.72	61.84	59.40	59.93	61.69	26	25.5	31.5	32.9	28	26.2	34.2	24.4	81	82	62	57	71	81	------
8	60.40	60.69	61.84	59.51	60.28	61.60	24.1	19.8	31	33.3	29	26.9	34.8	18.9	90	92	61	59	71	81	------
9	60.66	60.87	61.62	59.99	60.84	62.09	26.3	26	31.6	34.3	29	27.1	34.9	24.5	83	84	62	54	71	83	------
10	61.67	62.14	62.84	61.13	61.56	63	26.6	26.3	31	33.7	29.4	26.8	34.7	24.9	84	86	62	54	71	83	------
11	62.24	62.26	62.99	61.09	61.89	63.90	24.6	22.6	31.5	33.3	26	25	34.4	21	92	90	63	59	92	92	10.9
12	63.25	63.15	63.89	62.35	62.59	63.97	24	23.4	29.9	32.7	29	26.9	32.9	21.9	95	97	65	59	69	80	7.6
13	63.65	63.95	64.66	62.99	62.89	63.93	26	24.4	28.7	31.5	27.8	26.8	32.9	22.8	82	91	73	63	78	82	12.7
14	63.25	63.24	64.48	61.90	61.64	63.05	25.2	23.9	26.5	31.5	27.5	26.6	31.9	22.7	91	97	79	63	77	78	7.6
15	62.04	61.84	62.88	60.63	60.98	62.25	25.4	23.7	28.5	31.7	28.5	26.7	32.5	22.5	84	92	80	64	70	78	9.9
16	61.32	61.20	62.54	60.83	60.96	62.34	25.8	25.2	30.5	33.3	28.4	27	33.5	23.5	81	83	66	56	74	77	------
17	61.80	61.79	62.60	60.64	60.84	62.41	26.1	25.4	30.4	32.6	27.9	26.6	32.9	24	77	80	65	56	74	76	------
18	62.01	61.44	62.30	60.37	61.15	61.65	24.9	24	31	32.8	28.5	27.5	33.8	22.9	83	90	65	58	73	78	------
19	61.60	61.12	61.84	60.03	59.93	61.55	26.7	26.4	31	33.4	28.5	27	34.6	25	80	82	65	57	75	82	12.2
20	60.65	60.50	61.85	60.14	60.05	61.60	26	24.3	30.1	32.8	28.8	27.1	32.9	22.6	90	89	74	61	71	81	3.5
21	60.89	60.17	60.85	59.78	59.73	61.32	26.6	26.1	30.4	32.5	28.6	26.9	33.1	24	82	84	70	62	73	83	2.3
22	60.74	60.17	61.11	59.64	59.49	60.85	25.9	26	29.2	30.5	28.5	27.1	32.4	24.5	88	92	74	72	77	81	1.1
23	60.21	60.15	60.75	59.12	59.51	60.85	26.3	25.9	31	33.5	29.9	27.2	33.9	24.4	85	87	69	60	71	83	------
24	60.69	59.91	60.64	59.08	59.31	60.84	26.8	26.4	31.1	32.9	27.7	26.5	33.6	24.9	80	81	64	58	75	79	------
25	59.85	59.71	60.49	58.82	59.26	60.35	26	26.8	31.5	33.3	28.9	26.9	33.5	24.5	74	78	60	56	71	80	------
26	60.19	60.09	61.25	58.99	58.86	60.60	25.9	25.5	31	33.5	29.4	27.7	33.9	22.1	77	84	62	57	67	76	------
27	60.42	60.12	61.33	59.73	59.84	60.90	26.7	26.6	31	31.8	27.5	26.2	33.4	24.6	75	79	67	66	81	88	9.9
28	60.65	59.92	60.66	59.45	59.22	60.59	25.5	25.1	28.9	28	26.6	26.5	32.5	24	92	96	78	85	88	88	27.9
29	59.85	59.62	60.64	58.20	58.61	60.05	26.4	26.3	30	32.5	28.5	26.5	32.9	24.8	86	85	60	61	74	83	------
30	58.82	58.67	59.52	57.39	57.59	58.94	25.9	24.5	31.8	33.3	28.9	26.6	33.8	22.7	84	89	59	57	71	80	------
Mean	61.13	60.93	61.88	60.05	60.24	61.64	25.7	24.9	30.5	32.6	28.3	26.7	33.4	23.3	83.9	86.8	65.8	60.4	74.1	81.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	105.6

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NNE	N	NNE	NNE	NE	NE	48.9	69.4	75.3	75.8	269.4	1	------	Cu. E	3	------	Cu.
2	NNE	NNE	ENE	ENE	NE	NNE	46.4	64.7	80.7	67.6	259.4	1	------	Cu. ENE	0	------	------
3	NNE	NNE	NE	ENE	NE	NE	58.7	60.7	80.8	67.8	268	2	------	Cu. ENE	1	------	Cu.
4	NE	NNE	NE	NE	NE	NNE	62.6	62.3	71.9	70	266.8	2	------	Cu. NE	3	Ci.	Cu. ENE
5	NNE	NNE	NE	E	ENE	NE	51	61.7	66.5	54.5	233.7	1	------	Cu. ENE	1	Ci.	Cu.
6	Calm	Calm	NE	NE	NE	NE	13.5	44.3	95	108.3	261.1	3	Ci. S	Cu.	1	Ci.	Cu.
7	NNE	N	NNE	NE	NNE	NNE	70.8	73.4	112	82.6	338.8	1	------	Cu. NE	1	------	Cu.
8	NE	Calm	NE	NE	NNE	NE	41.6	52.9	84	86.7	265.2	0	------	------	1	------	Cu.
9	NE	NE	NE	ENE	NNE	NE	57.4	64.4	78.6	61.2	261.6	4	A.-Cu. NE	Cu.	3	Ci.	Cu.
10	NE	NNE	NNE	NE	NE	NE	59.5	84.3	82.7	62	288.5	3	Ci.	Cu. NE	1	Ci.	Cu.
11	NNE	Calm	NNE	NE	ENE	ENE	30.3	63.6	108.9	71.8	274.6	0	------	------	3	A.-Cu. NE	Cu. ENE
12	Calm	Calm	NE	ENE	E	ENE	12.3	48.8	71.8	84.7	217.6	1	A.-Cu.	Cu. E	1	------	Cu.
13	ENE	ENE	NNE	NE	NE	ENE	53.1	73	82.7	97.7	306.5	8	------	N. SE	3	A.-Cu. NE	Cu. E
14	NNE	ENE	E	E	ENE	NE	98.7	77.9	85.6	69.2	331.4	8	Ci.-S.	Fr.-N. ENE	2	------	Cu. ENE
15	NE	NE	NE	ENE	NE	ENE	37	59.3	80.7	79.2	256.2	2	------	Cu.-N. E	3	------	Cu.-N.
16	NNE	NNE	NE	ENE	NE	E	53.3	61.4	69.7	73.8	258.2	3	------	Cu. E	2	------	Cu.
17	NE	NE	NE	ENE	NE	NE	60.2	66	85.8	66.8	278.8	1	------	Cu.	1	------	Cu.
18	NNE	Calm	NNE	NE	E	ENE	24.4	49.6	74.3	65.8	214.1	1	------	Cu. E	2	A.-Cu. S	Cu.
19	NNE	NE	NE	ENE	ENE	NE	48.6	78.6	88.7	66.3	282.2	3	------	Cu. E	1	------	Cu.
20	NE	NNE	NE	ENE	ENE	ENE	55.3	58.4	77.2	86.9	277.8	10	Ci.-S.	Fr.-N. E	1	------	Cu.
21	NE	NE	ENE	ENE	ENE	NE	77.9	81.9	78.1	81.3	319.2	3	------	Cu.-N. E	2	------	Cu. NE
22	NE	NE	NE	NE	NE	ENE	76.6	76.9	91.4	101.6	346.5	3	------	Cu.-N. E	6	------	cu.-N. ENE
23	Calm	NE	NE	NE	NE	NE	43.3	74.6	70.3	69.2	257.4	3	------	Cu.-N. E	2	------	Cu. E
24	NE	NE	NE	NE	E	NE	52.1	72.7	81	48.3	254.1	5	------	Cu.-N. E	1	------	Cu.
25	NE	NE	NE	ENE	NE	NE	71.4	81	74.2	51.8	278.4	2	Ci.	Cu. ESE	1	------	Cu.
26	Calm	Calm	NE	ENE	ENE	NE	25.5	55	77.7	82.4	240.6	3	A.-Cu.	Cu. NE	0	------	------
27	NE	NE	NNE	ENE	NE	NE	79.5	95.2	93	61.7	329.4	3	A.-Cu. NE	Cu.	9	Ci.-S.	Fr.-N. NE
28	NE	Calm	NE	NE	NE	NE	35.4	30.3	54.2	40.7	160.6	8	Ci.-S.	N. E	10	Ci.-S.	N. E
29	NE	NE	NE	ENE	ENE	NE	51.8	63.9	89.8	49.3	254.8	2	------	Cu.	1	------	Cu.
30	NE	Calm	NE	ENE	ENE	NE	32.7	61.5	76.7	57.1	228	0	------	------	1	------	Cu.
Mean	------	------	------	------	------	------	51	65.6	81.3	71.4	269.3	2.9	------	------	2.2	------	------
Total	------	------	------	------	------	------	------	------	------	------	8,078.9	----	------	------	----	------	------

LEGASPI.

[$\phi = 13°\ 09'$ N; $\lambda = 123°\ 45'$ E; barometer above sea, 5.5 meters; gravity correction not applied, −1.77 mm.]

MAY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.72	58.72	59.49	57.14	57.20	59.30	26.2	26	30.5	33.2	28.5	27.1	34	24.5	79	79	65	57	72	79	------
2	58.87	58.93	59.94	58.30	58.69	60.94	26.4	26	31.5	33.5	29.6	27	34.1	24.9	82	84	63	56	70	82	1.5
3	60.76	60.70	61.55	59.89	60.05	61.80	26.6	26.5	31	33.2	29.5	26.9	34	24.7	85	86	67	57	70	81	------
4	60.87	60.77	61.64	59.45	59.40	60.64	26	25.6	31.1	33.7	29.6	27.5	34.2	23.6	82	85	64	55	69	77	------
5	60.10	60.05	60.58	58.55	58.35	59.74	25.9	23.3	31.5	33.9	29.5	27	34.2	21.9	81	90	59	54	66	78	------
6	58.99	59.03	59.66	57.52	58.03	59.51	24.8	21.9	29.4	34.2	30.4	27.9	35.3	20.6	84	97	63	54	66	78	------
7	59.03	59.31	59.94	58.03	58.41	59.61	25.9	23.5	30.5	34.5	29.2	27.6	35.2	22.7	84	95	63	54	70	79	------
8	59.22	59.30	60.15	58.34	58.43	59.33	26	23.7	31.4	33.4	29.1	27.6	34.8	21.8	83	92	66	58	71	78	------
9	58.82	58.91	59.68	58.03	58.41	59.90	26	26.7	31.5	34.2	29.4	27.2	34.5	24	82	78	62	52	68	78	.8
10	59.76	59.77	60.90	59.22	59.55	61.13	26	25	31.4	34.4	28.9	27.8	34.6	24	81	87	63	53	72	77	2
11	60.94	60.94	61.49	59.68	59.45	60.55	26.1	24.3	27.4	32.5	30.4	27.1	33.7	23	83	93	84	59	65	83	3
12	60.05	59.94	60.33	58.33	58.18	59.78	26.9	26.9	31.3	34.4	29.6	28	34.8	25.4	80	80	66	54	73	80	------
13	59.14	59.09	59.44	57.51	57.54	59.11	25.6	23.9	30.7	35.3	30.7	28.1	35.8	22.5	93	94	70	53	65	79	------
14	58.75	58.73	59.63	57.85	58.14	59.85	26	23.9	32.4	36.3	30.5	28.8	36.9	22.6	89	95	62	50	73	77	------
15	59.04	58.87	59.69	57.93	58.07	59.60	27	25.8	32.5	35	31	28.4	35.9	24.6	82	84	59	54	68	80	------
16	59.25	58.88	59.54	57.73	57.75	59.15	26.4	24.5	32.6	35.3	30.6	28.6	35.6	23.3	86	95	61	55	72	81	------
17	58.47	58.52	59.62	57.57	58.04	59.75	26.9	24.8	32.6	35.3	30.9	28.9	36	23.6	88	96	65	54	71	78	------
18	58.90	58.80	60.34	58.49	58.25	60.05	27.8	26.7	31.7	35	30.9	28.8	35.4	25.6	80	85	67	54	68	78	.8
19	59.18	59.03	59.80	57.76	57.73	58.95	27.8	27.4	32.5	35	30.9	28.4	36	26.2	84	85	63	57	70	83	------
20	58.51	58.56	58.80	56.98	57.16	58.64	27.8	27.6	27.3	34.5	29.9	28.4	35.4	25.3	85	87	85	56	75	82	1.3
21	58.47	58.53	59.39	57.74	58.35	59.35	26.2	24.5	32.4	34	29.8	28.5	36	23.4	94	95	64	52	72	78	------
22	58.59	58.44	59.52	57.88	58.16	59.40	26.8	23.5	32.1	33	29.4	28.2	35.4	22.5	77	96	64	61	72	78	------
23	58.45	58.94	59.48	57.51	57.59	59.65	26.4	24.4	31.4	35.1	30.8	28.7	35.9	23.1	83	92	59	52	63	73	------
24	58.76	58.62	58.65	56.72	57.15	58.85	26.9	24.1	32.3	35.2	30.2	26.6	36	22.9	78	95	64	53	68	83	------
25	57.86	57.91	58.14	56.14	56.25	57.73	25	23.6	31.4	35.5	30.3	28.6	35.9	22.5	88	97	66	52	67	75	------
26	57.14	57.18	58.18	56.08	57.04	58.23	26.6	24.9	32.6	36.3	30.5	27.4	37	23.1	86	92	64	54	67	84	------
27	57.72	57.48	58.12	56.38	56.86	59.45	25.9	24.5	33.2	36.7	31	24.3	37.2	23.1	86	95	62	52	69	94	22.6
28	58.71	58.36	59.15	57.71	57.77	60.35	24.6	24.4	31.4	35.3	30.5	28.8	35.5	23.4	93	95	66	54	71	79	------
29	59.33	59.27	59.92	58.09	57.74	59.74	27.2	25.6	31.4	35.2	31.2	28.1	35.9	24.1	85	94	70	58	71	89	------
30	58.98	59.01	59.60	57.56	57.48	59.15	27.3	26.4	32	34.4	30.2	28.8	35.9	25.1	90	91	66	60	78	77	------
31	58.64	58.77	59.32	57	57.96	59.49	26.8	24.4	32.1	35.8	31.6	24.7	36.5	23.1	80	93	69	57	68	91	------
Mean	59.03	59.01	59.73	57.84	58.04	59.64	26.4	25	31.4	34.6	30.2	27.7	35.4	23.6	84.3	90.4	65.5	54.9	69.7	80.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	32

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	NE	NE	ENE	ENE	NE	53.3	60	66	47.5	226.8	0	------	------	1	------	Cu.
2	NE	NE	NE	ENE	ENE	NE	50.4	66.3	81	64.1	261.8	0	------	------	1	------	Cu.
3	NE	ENE	ENE	ENE	ENE	NE	60	76.6	76.7	40.7	254	6	------	Cu.-N. E	1	------	Cu. E
4	NE	NE	ENE	ENE	E	ENE	29.6	48.8	63.6	47.8	189.8	1	Ci.	Cu. E	1	Ci.	Cu.
5	NE	Calm	ENE	ENE	ENE	ENE	18	35.4	46.4	44.9	144.7	3	Ci.	Cu. NE	1	------	Cu.
6	Calm	Calm	Calm	ENE	ENE	NE	3	31.4	48.3	42	124.7	3	Ci.	Cu.	2	Ci.	Cu.
7	Calm	Calm	NE	ENE	ENE	ENE	31.1	33	61.5	53.1	178.7	2	A.-Cu. NNE	Cu.	1	------	Cu.
8	Calm	NE	NE	ENE	NE	ENE	18.8	41.2	48.8	24.3	133.1	3	A.-Cu.WNW	Cu.	6	A.-Cu. NNE	Cu.
9	NE	ENE	ENE	ENE	ENE	NE	30.8	62.2	79.1	55	227.1	8	A.-Cu.	Cu.-N. NE	1	Ci.	Cu.
10	NE	Calm	ENE	ENE	NE	ENE	23.1	58.7	81.8	78.3	241.9	4	Ci.	Cu. NE	2	Ci.	Cu.
11	ENE	Calm	ENE	ENE	ENE	ENE	41.5	48.3	69.5	51	210.3	9	Ci.-S.	Fr.-N. E	3	A.-Cu.	Cu. E
12	NE	Calm	NE	ENE	ENE	NE	48.9	51	68.6	55.7	224.2	2	A.-Cu.	Cu.	1	Ci.	Cu.
13	NE	Calm	NE	ENE	ENE	NE	29.2	39.6	54.5	49.1	172.4	2	Ci.	Cu.	1	Ci.	Cu.
14	NE	Calm	ENE	ENE	ENE	ENE	22.7	36.7	52.6	49.3	161.3	1	Ci.	Cu.	1	------	Cu.
15	NE	Calm	ENE	ENE	ENE	ENE	44.1	37	58.1	35.9	175.1	1	Ci.	Cu.	1	------	Cu.
16	Calm	Calm	ENE	ENE	NE	ENE	10.3	41.6	56.9	49.1	157.9	0	------	------	3	Ci.	Cu.
17	Calm	Calm	ENE	ENE	ENE	ENE	9.4	34.1	57.1	63.9	164.5	3	Ci.	Cu.	3	Ci. E	Cu.
18	ENE	Calm	NE	ENE	NE	ENE	38.9	51	76.9	58.5	225.3	2	Ci.	Cu.	1	Ci.	Cu.
19	NE	ENE	NE	NE	NE	NE	46.4	55	70.3	50.2	221.9	1	A.-Cu.	Cu. E	3	Ci. W	Cu.
20	ENE	ENE	Calm	NE	ENE	NE	40.2	38.4	74.2	43.8	196.6	5	------	Cu.-N.ESE	2	Ci.-S.	Cu.
21	Calm	Calm	NE	ENE	NE	Calm	19.8	40.2	50.5	19	129.5	1	Ci.	Cu.	7	Ci.-S.	Cu.-N. SW
22	Calm	Calm	ENE	ENE	ENE	ENE	5.6	34	51.2	36.2	127	7	Ci.-S. NE	Cu.	3	Ci.-S.	Cu.
23	Calm	Calm	ENE	ENE	Calm	NE	18.3	35.6	52.5	24.1	130.5	2	Ci.	N.	2	Ci.	Cu.
24	Calm	Calm	ENE	ENE	ENE	Calm	11.1	43	67.3	17.2	138.6	1	Ci.	Cu.	1	Ci.	Cu.
25	Calm	Calm	NE	ENE	ENE	ENE	6.7	28.2	56	35.1	126	3	Ci.	Cu. E	1	------	Cu.
26	Calm	Calm	ENE	ENE	ENE	Calm	4	38	46.5	13.4	101.9	0	------	------	2	A.-Cu. SW	Cu.
27	Calm	Calm	ENE	ENE	ENE	Calm	5.3	30.4	51.3	31.4	118.4	1	A.-Cu.	Cu.	2	------	Cu. SW
28	Calm	Calm	N	ENE	ENE	NE	9.9	29.5	54.7	38.1	132.2	1	Ci.-S.	Cu.	1	------	Cu.
29	Calm	Calm	NNE	ENE	ENE	ENE	7.4	40.8	67.3	52.8	168.3	1	------	Cu. ENE	1	------	Cu.
30	ENE	Calm	NNE	ENE	NE	ENE	30.9	41.6	49.9	43.1	165.5	1	Ci.	Cu.	3	------	Cu.-N.WSW
31	Calm	Calm	NNE	ENE	NNE	Calm	10.3	38.6	42.3	24.1	115.3	1	Ci.	Cu.	2	------	Cu.-N. E
Mean	------	------	------	------	------	------	25.1	43.4	60.7	43.2	172.4	2.4	------	------	2	------	------
Total	------	------	------	------	------	------	------	------	------	------	5,345.3	----	------	------	----	------	------

LEGASPI.

[ϕ=13° 09′ N; λ=123° 45′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

JUNE, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.03	58.76	59.20	57.51	57.69	59.83	24.2	27	32.5	35.6	31.5	28.9	36.1	22.6	91	91	66	54	69	80	------
2	59.35	59.99	60.21	58.63	58.72	59.85	28.8	28	32.8	35.5	30.4	28.9	35.9	26.9	80	85	63	54	76	82	11.9
3	59.60	59.46	60.03	58.74	58.54	59.25	28	26.9	31	34.3	30	28	35.2	24.9	85	91	71	59	75	87	14
4	58.85	58.70	58.72	57.03	57.04	58.66	26.3	25	31.4	34.4	30.7	28.8	35.4	23.5	95	98	75	61	74	82	------
5	58.25	58.19	58.78	56.41	56.88	58.75	27.4	25	31.7	35.5	31.1	29	36.3	24	80	95	67	56	77	83	------
6	58.55	58.61	58.80	56.85	56.38	58.95	27.2	25.3	32.5	35.5	31.5	28.9	36.1	23.9	89	98	69	60	68	82	------
7	58.41	58.78	59.02	56.45	56.52	58.26	26.7	24.2	32.4	36	31.5	27.5	36.5	22.8	83	97	69	55	72	92	------
8	58.07	58.15	58.08	56.58	57.24	59.36	26	24.6	32	35.6	30.9	26.4	36.5	23.4	90	95	71	58	74	94	------
9	58.62	58.65	58.18	56.50	57.78	59.45	25.7	24.6	33.5	33.5	28	25.4	36.2	23.2	91	97	58	68	87	93	1.3
10	59.14	59.06	59.64	56.87	56.99	59.49	24.7	24.1	31.9	36.5	32.6	29	37	22.3	95	99	70	57	67	81	------
11	58.77	58.95	60.40	58.55	57.92	59.95	26.9	24.8	25.6	28.2	28.8	25	29.9	23.5	86	97	90	83	76	97	6.6
12	59.47	58.76	59.40	57.86	58.21	59.25	24.6	24.4	31.9	24.3	25.2	24.1	34.2	22.5	97	96	64	97	98	99	52.6
13	59.01	58.97	59.47	57.77	57.76	59.79	24	24	30.9	33	28.8	26.2	33.5	22.4	99	98	71	60	79	94	------
14	59.20	59.17	59.48	57.28	57.64	59.68	25.9	25.8	31.1	34.5	31.5	26.4	35.2	24	96	97	66	51	69	91	------
15	58.66	58.49	58.55	56.75	56.82	58.43	25.1	24.3	32.9	34.9	30.6	26.1	36.2	23.9	95	97	64	62	78	96	------
16	57.31	57.03	57.38	55.81	55.92	57.10	25.6	25.3	31	34.9	31	27.5	35.7	23.5	97	98	63	51	65	85	------
17	56.66	56.48	56.64	55.35	56.29	57.36	26.5	25.5	31.4	33	27.6	25.9	34.5	24	86	88	66	58	84	93	------
18	57.08	56.98	57,78	55.93	56.83	57.85	25.7	26.7	29.9	34	30.6	26.7	34.1	24.5	93	90	70	56	67	87	------
19	57.29	57.27	57.32	55.17	55.92	57.53	26.1	26.3	32.4	34.9	31.4	28.1	35.1	24.8	91	94	62	49	66	83	------
20	57.41	57.11	56.74	55.51	56.08	57.50	27.2	26.5	32.1	34.4	30.9	27.5	35.4	24.6	87	91	63	55	61	81	------
21	57.27	56.73	57.08	55.56	56.41	57.98	26.8	26.9	32.5	34.8	31	27.6	35.4	24.8	84	89	59	50	67	84	------
22	57.67	57.89	58.37	56.49	56.91	58.58	26.6	24.9	31	34	31.7	27.9	34.8	23.5	83	89	70	56	64	84	5.6
23	57.80	58.31	58.82	56.88	56.67	57.94	25.6	23.7	31.5	34.5	30.4	26.8	34.9	22	97	96	64	52	70	90	------
24	57.96	58.05	57.98	56.23	56.68	58.80	25.3	24.8	32.6	35.8	32	28.8	36.4	23.2	97	97	68	59	66	82	------
25	58.12	58.22	58.33	56.66	56.69	58.79	26.7	24.8	32.1	35.5	31.6	26.9	36	23.3	86	96	65	56	65	89	------
26	58.87	58.24	58.26	56.86	57.07	58.90	25.4	24	32.4	34.3	31	27.8	36.6	22.5	92	96	60	61	71	84	------
27	58.47	58.38	58.05	56.37	56.52	58.32	25.9	25.3	32.1	34	30.8	26.8	35.4	23.6	89	93	62	54	77	90	------
28	57.77	57.68	57.53	55.72	56.07	58.21	25.6	24.5	31.7	35	31	27.1	35.2	23.4	94	96	60	51	65	87	------
29	57.87	57.76	57.77	56.74	56.98	58.41	25.9	25.6	32.6	32.8	27.5	25.6	35	24	91	91	59	56	87	95	8.6
30	58.47	58.34	58.97	57.32	57.27	59.04	24.9	24.6	31.5	33	29.9	28.9	34.8	22.9	98	95	70	63	73	78	------
Mean	58.30	58.24	58.50	56.75	57.02	58.71	26	25.2	31.7	34.1	30.4	27.3	35.3	23.6	90.6	94.3	66.5	58.7	72.9	87.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	100.6

Day.	Wind.											Clouds.						
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.			
												Amount.	Form and direction.		Amount.	Form and direction.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.	
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*			
1	Calm	Calm	NNW	ENE	ENE	ENE	6.7	44.6	65.5	40.7	157.5	5	Ci.	Cu. E	2	Ci. SE	Cu. ENE	
2	ENE	Calm	ENE	ENE	ENE	E	42.4	66	76.7	53.6	238.7	2	Ci.	Cu. ENE	1	----------	Cu.	
3	NE	Calm	NE	ENE	ENE	ENE	30.8	43.7	62.2	43.3	180	0	----------	----------	3	Ci.	Cu.	
4	NE	Calm	NE	NE	NE	ENE	24.9	40.5	62.5	63	190.9	2	Ci.	Cu.	3	Ci.	Cu. WSW	
5	NNE	Calm	NNE	ENE	ENE	ENE	43.8	35.7	55.2	25.5	160.2	0	----------	----------	1	----------	Cu.	
6	Calm	Calm	NE	ENE	NE	ENE	6.9	50.7	58.4	31.6	147.6	0	----------	----------	2	Ci. N	Cu.	
7	Calm	Calm	ENE	ENE	ENE	Calm	8.2	37	60.6	27.4	133.2	0	----------	----------	1	----------	Cu.	
8	Calm	Calm	E	ENE	Calm	Calm	12.3	32.2	45.9	10.2	100.6	2	Ci.	Cu.	3	----------	Cu. SSW	
9	Calm	Calm	S	ENE	Calm	Calm	19	31.9	38.4	13.7	103	1	Ci.	Cu.	4	----------	Cu.-N. WSW	
10	Calm	Calm	SW	NNE	NNE	ENE	8.3	32.8	54.7	46.4	142.2	2	----------	Cu. E	2	Ci.	Cu.	
11	Calm	Calm	Calm	ENE	Calm	Calm	6.6	21.2	27.7	4.2	59.7	9	Ci.-S.	Cu.	10	Ci.-S.	N.	
12	Calm	Calm	NE	Calm	Calm	Calm	8.9	24.1	30.6	6.6	70.2	2	Ci.	Cu.	10	Ci.-S.	N.	
13	Calm	Calm	W	W	W	Calm	14.7	50.9	74.5	14.5	154.6	1	Ci.	Cu.	7	A.-Cu. S	Cu. SW	
14	Calm	Calm	SSW	S	Calm	Calm	23.8	51.3	40	3.8	118.9	9	A.-Cu. S	Cu.	6	Ci.-S.	Cu. S	
15	Calm	Calm	NE	ENE	Calm	Calm	7.8	37.6	51.7	5.4	102.5	1	Ci.	Cu.	2	----------	Cu. S	
16	Calm	Calm	S	S	SW	Calm	10	57.9	64.4	23.6	155.9	1	Ci.	Cu.	3	Ci. NE	Cu. SW	
17	Calm	WSW	S	WSW	Calm	WSW	21.7	81.3	77.2	33.6	213.8	2	Ci. NE	Cu.	4	Ci. NE	Cu. WSW	
18	SW	SW	WSW	WSW	SW	Calm	48.3	72.9	77.4	27.2	225.8	8	A.-Cu. SW	Cu.	5	Ci.	Cu. SW	
19	SW	SW	SW	SW	SW	SW	38.4	81.3	86.1	34.4	240.2	4	Ci. NE	Cu. SW	2	----------	Cu. SW	
20	SW	SW	SW	WSW	SW	WSW	43.8	85.1	91.7	41.5	262.1	7	Ci.-S.	Cu. WSW	4	Ci.	Cu. SW	
21	Calm	SW	SW	WSW	WSW	SW	27.7	83.1	70.5	26.8	208.1	9	Ci.-S.	Cu. SW	3	Ci.	Cu. SW	
22	SW	Calm	SW	SSW	Calm	Calm	45.9	48.6	45.1	11	150.6	7	Ci.-S.	Cu.	5	Ci.	Cu. SW	
23	Calm	Calm	S	SSW	Calm	Calm	28.5	50.2	50.9	8.5	138.1	8	Ci.-S. ENE	Cu.	3	Ci.	Cu.	
24	Calm	Calm	SE	ESE	ENE	Calm	15.5	30.9	53.1	29.6	129.1	2	Ci. ENE	Cu.	2	Ci.	Cu. SE	
25	Calm	Calm	ENE	ENE	ENE	Calm	3.4	36.5	57.3	16.9	114.1	1	Ci.	Cu.	1	----------	Cu. E	
26	Calm	Calm	SE	ESE	E	Calm	5.1	36.2	48.5	18.8	108.6	1	Ci.	Cu.	8	----------	Cu.-N. S	
27	Calm	Calm	S	S	SSW	Calm	16.7	51.8	61.8	10.5	140.8	1	Ci.	Cu.	3	----------	Cu. SSW	
28	Calm	Calm	SSW	SSW	SSW	Calm	7.7	55.7	67.4	13.4	144.2	0	----------	----------	2	----------	Cu.	
29	Calm	Calm	SSW	S	SW	Calm	9.2	37.2	37.2	10.7	94.3	1	Ci.	Cu.	8	Ci.-S.	Cu.-N. SE	
30	Calm	Calm	SSE	NE	NE	ENE	5.4	28.5	82.1	35.7	151.7	2	Ci.	Cu.	5	Ci.	Cu. SE	
Mean	------	------	------	------	------	------	19.7	47.9	59.2	24.4	151.2	3	----------	----------	3.8	----------	----------	
Total	------	------	------	------	------	------	------	------	------	------	4,537.2	----	----------	----------	----	----------	----------	

LEGASPI.

[$\phi = 13°\ 09'$ N; $\lambda = 123°\ 45'$ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

JULY, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.50	58.16	58.48	56.66	56.80	58.45	28.1	25.8	32.4	34.9	30.6	28.9	35.4	24.4	80	92	63	59	70	79	------
2	58.04	58.27	57.96	56.63	57.05	58.56	27	25	30.4	33.4	28.5	26.8	34.1	23.5	90	90	72	62	78	88	1
3	58.37	58.52	58.93	56.85	58.25	59.05	26.1	25.8	28.1	33.4	26.5	25.7	34.9	24	90	92	79	59	83	86	------
4	59.44	59.68	59.81	58.73	58.63	59.68	24.4	23.8	29.6	31.3	29	26.8	32.5	22.2	91	95	70	66	74	86	------
5	59.61	59.65	59.12	57.81	58.12	59.16	25.2	24	31.9	35	30.5	27.2	35.8	22.5	88	95	62	52	65	84	------
6	58.57	58.52	58.68	56.74	57.35	58.43	26.1	24.9	29.7	34.3	30.8	28	35.4	23	85	93	72	59	70	82	.5
7	57.96	57.73	57.97	56.24	56.31	57.65	26	24.1	32	30.5	29	27.3	34.9	22.9	88	98	66	68	76	82	12.7
8	57.35	57.28	57.89	56.37	56.87	57.54	25.6	24.9	29.2	24.9	26.8	25	33.5	23.1	91	92	78	88	86	96	10.7
9	57.28	57.21	57.68	56.34	57.01	58.05	24.7	24.9	29.2	30.5	25.8	25	32.9	22.6	92	92	76	69	93	95	3.8
10	58.17	58.20	58.34	57.45	57.82	59.56	24.6	24.4	30.1	31.9	25.7	24.5	32.7	22.5	93	92	71	69	90	96	4.3
11	59.13	58.49	58.65	57.07	57.46	59.09	23.9	26	31.1	34.4	29	25.7	35.3	22.6	95	91	71	59	79	92	------
12	58.75	58.01	58.30	56.66	57	58.09	25.1	24.9	30.6	35.5	30.4	28.4	36	23.4	92	92	74	57	72	80	4.3
13	58.02	57.29	57.76	56.95	56.34	58.15	27	26.4	30.5	30.6	29.3	28.1	33.6	24.4	85	95	78	73	79	85	9.9
14	57.71	57.67	58.13	57.59	57.61	58.68	27	25.5	30	27.4	25	26.1	31.2	22.5	86	94	73	88	95	93	17
15	58.71	58.76	58.10	56.80	57.26	58.62	27	24.2	29.1	31.4	28.6	25.8	33.1	23	86	95	80	72	77	93	5.8
16	58.23	58.07	58.28	57.46	57.37	58.09	25.2	24.9	29.3	26	25.1	24	30.5	22.4	90	88	83	86	92	94	11
17	58.03	57.47	57.44	55.90	56.09	56.97	24.9	25.6	27.5	28.4	24.4	24.3	28.5	22.3	85	94	88	79	96	94	6.8
18	56.38	55.88	56.34	55.05	55.52	56.29	24.2	24.5	27.9	27.4	26.5	25	30.3	22.5	93	92	81	85	88	96	10.4
19	55.47	55.24	55.81	54.21	54.64	55.97	24.7	25	27.5	29.3	28.2	26	31.4	23.1	94	95	84	74	79	90	8.6
20	55.41	55.24	55.99	54.95	55.74	56.19	25	24.3	28.5	27	24.9	25.6	29.7	23.1	93	97	78	88	93	94	7.2
21	55.56	55.88	56.04	54.95	56.15	57.77	25.3	25	28.9	31	28.6	24.5	31.5	23	95	95	70	60	73	94	3.8
22	57.58	56.88	56.94	55.93	56.20	57.12	23.9	24.4	29.3	31.6	28.4	26.8	32.7	22.2	93	90	72	61	77	82	------
23	56.68	56.73	56.86	55.32	56.31	57.84	25.7	25.9	30.4	32.5	26.6	25.5	33.1	24	84	85	68	56	81	88	3.8
24	57.17	56.58	57.14	56.08	56.50	58.53	24.8	24.5	30	32	29	26.6	32.9	22.5	81	87	68	60	70	80	------
25	57.88	57.87	57.97	56.46	56.90	59.08	25.5	25.3	31.5	32.6	29.5	26.5	35.1	23	84	88	62	56	70	92	------
26	57.73	57.63	58.43	56.71	56.89	58.11	25.6	25	31	31.4	28	25.4	33.4	23.6	92	94	67	63	82	91	29.5
27	56.34	56.01	56.34	55.22	55.02	56.12	24.9	24.1	28.9	24.9	24.4	24.7	29.7	21.7	92	96	78	93	96	93	52
28	55.63	54.89	55.77	54.55	55.89	57.42	24.5	24.3	28.1	29.1	25.5	24.5	30.5	22	88	89	74	76	91	97	15.7
29	56.78	56.32	57.26	56.72	56.99	58.54	24.5	24.4	28	25.4	25.4	25.5	30.1	22.9	96	96	77	88	90	89	3
30	57.88	57.34	57.80	56.41	56.99	58.06	25.1	25	29.2	29.6	23.9	24.9	31.3	22.5	92	92	75	72	96	92	16.8
31	56.96	56.62	57.21	56.34	56.66	57.50	25	25.1	29	29.4	23.1	24	30	21.6	92	89	71	71	99	92	17.3
Mean	57.59	57.36	57.66	56.36	56.77	58.01	25.4	24.9	29.6	30.5	27.3	25.9	32.6	22.9	89.5	92.4	73.6	69.9	82.6	89.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	255.9

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	Calm	NNE	NE	NE	Calm	32	40.2	75	48.1	195.3	5	Ci.-S.	Cu.	1	Ci.	Cu. E
2	NE	Calm	NNE	NE	WNW	Calm	28.8	28.7	42.1	20.1	119.7	4	Ci.	Cu.	5	Ci.	Cu.-N. SE
3	Calm	Calm	WNW	NNW	Calm	WSW	15.8	18	50.7	24.6	109.1	9	Ci.-S.	Cu.	3	Ci.-S.	Cu.
4	Calm	Calm	S	Calm	ESE	Calm	22	33.8	34.8	25.1	115.7	2	Ci. ENE		9	Ci.-S.	Cu.
5	Calm	Calm	E	ENE	NE	Calm	15.6	41	63.1	24.3	144	3	Ci.-S.	Cu.	2		Cu. E
6	Calm	Calm	NNE	ENE	ENE	Calm	7.5	35.4	54.7	34.3	131.9	2	Ci.	Cu. ESE	3	Ci.	Cu.
7	Calm	Calm	ENE	NE	NE	Calm	6.1	35.4	47.7	32	121.2	3	Ci.	Cu. E	8	Ci.-S.	Cu.
8	NE	Calm	NNE	Calm	Calm	Calm	25.2	30	28.8	5	89	10	Ci.-S.	N.	10	Ci.-S.	N.
9	Calm	Calm	Calm	Calm	Calm	Calm	11.8	30.6	33.6	20.4	96.4	4	Ci.	Cu. E	8	Ci.-S.	Cu. SE
10	Calm	Calm	SE	ENE	Calm	Calm	12.1	24.7	48.3	11	96.1	10	Ci.-S.	N.	8	Ci.-S.	Cu. SSE
11	Calm	Calm	N	NE	NE	Calm	17.1	41	56.5	15.5	130.1	3	Ci.	Cu. E	2	Ci.	Cu.
12	Calm	Calm	NNE	NE	NNE	NE	11.3	33.5	54.9	62.5	162.2	4	Ci.	Cu. E	2	Ci.	Cu.
13	Calm	NE	NE	NE	NE	NE	28.4	38.8	58.1	41.3	166.6	4	Ci.	Cu. E	6	Ci.-S.	Cu.
14	Calm	Calm	Calm	Calm	Calm	WNW	34	25.1	30.4	23.5	113	9	Ci.-S.	N. E	10	Ci.-S.	Fr.-N. S
15	Calm	Calm	NE	ENE	Calm	Calm	26.2	21.5	41.8	8	97.5	9	Ci.-S.	Cu.	8	Ci.-S.	Cu. E
16	Calm	Calm	Calm	W	Calm	Calm	8.2	17.2	35.7	19.8	80.9	8	Ci.-S.	Cu. NE	10	Ci.-S.	N.
17	Calm	ENE	Calm	WNW	WNW	SSW	16.1	11.1	48.5	45.4	121.1	10	Ci.-S.	N. ENE	10	Ci.-S.	Cu.-N. W
18	S	Calm	S	S	Calm	Calm	18.2	46.5	47.2	19.5	131.4	10	Ci.-S.	Fr.-N. S	7	Ci.-S.	Fr.-N. SSW
19	SW	Calm	SSW	SSW	SSW	SSW	23.5	46.1	74.5	34.6	178.7	7	Ci.-S.	N. SW	8	Ci.-S.	Cu.-N. SW
20	SW	SW	SSW	SW	Calm	SW	56.5	72.7	58.4	52.5	240.1	10	Ci.-S.	Fr.-N. SW	10	Ci.-S.	Fr.-N. SW
21	SW	SW	SW	SSW	WSW	SW	58.2	96.6	99	79.5	333.3	9	Ci.-S.	Fr.-N. WSW	9	Ci.-S.	Cu. SW
22	W	SW	SW	SW	SSW	SW	68.1	89.3	101.4	65.8	324.6	10	Ci.-S.	Cu.	6	A.-Cu.	Cu. SW
23	SW	Calm	SW	SW	W	SW	44.8	67	86.6	55	253.4	10	Ci.-S.	Cu.	6	Ci.	Cu. WSW
24	W	SW	SW	SW	SW	SW	60.9	78.3	81	40.4	260.6	1	Ci.	Cu.	6	Ci.	Cu. W
25	W	SW	W	SW	Calm	Calm	37.3	48.9	45.1	7.5	138.8	9	Ci.-S.	Cu.	9	Ci.-S.	Cu. WSW
26	Calm	Calm	NW	NW	NE	E	17.1	27.1	46.1	44.5	134.8	5	Ci.	Cu.	8	Ci.-S.	Cu. NNE
27	Calm	NNE	NNE	N	NE	Calm	37.6	62.2	52	31.9	183.7	10	Ci.-S.	N. ENE	10	Ci.	Fr.-N. E
28	Calm	Calm	WSW	W	Calm	Calm	17.4	52.5	67.4	25.7	163	8	Ci.-S.	N.	9	Ci.-S.	Cu.-N. SW
29	Calm	Calm	SSW	SSW	SW	Calm	15.1	49.7	70.2	33	168	9	Ci.-S.	N. SW	10	Ci.-S.	Fr.-N. SW
30	Calm	Calm	SW	SW	Calm	Calm	27.1	67.3	76.6	28.2	199.2	10	Ci.-S.	Cu.	8	Ci.-S.	Fr.-N. WSW
31	Calm	Calm	SW	SW	W	SW	20.9	65.2	87.7	38.1	211.9	10	Ci.-S.	N.	10	Ci.-S.	Fr.-Cu. WSW
Mean	------	------	------	------	------	------	26.5	44.4	58	32.8	161.7	7	------	------	7.1	------	------
Total	------	------	------	------	------	------	------	------	------	------	5,011.3	----	------	------	----	------	------

LEGASPI.

[$\phi = 13°\ 09'$ N; $\lambda = 123°\ 45'$ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

AUGUST, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	56.80	55.92	56.69	56	56.41	57.27	24.2	24.9	28.6	29.9	27.5	26.4	30.4	22.6	92	91	74	68	83	89	------
2	56.69	56.64	57.81	56.47	56.87	58.75	25.7	25.5	29.1	30.3	27.5	25.8	30.5	23.1	92	92	74	68	76	87	------
3	57.98	57.72	58.14	57.40	57.21	58.62	25.3	25.5	27.8	28.4	27	26.5	28.7	23.1	88	87	82	80	80	83	15
4	57.89	57.88	58	56.57	57.30	58.29	24.7	23.4	27.9	31.3	26.6	25	31.6	21.5	86	96	79	63	86	96	------
5	57.68	57.28	57.58	56.39	57.97	58.02	24.5	24.4	29.9	30.2	27.4	26	32	23	91	91	70	67	81	88	------
6	57.82	57.83	58.53	57.54	57.89	59.62	25.3	25.1	30.1	25.5	28.4	25.3	32.5	23.6	89	90	67	92	82	89	7.1
7	58.43	58.58	59.10	57.66	58.30	59.08	24.6	24.3	30.6	28	26.5	24.9	32.1	22.8	92	93	67	79	87	87	1
8	58.09	58.05	58.53	56.44	57.41	58.27	24	23.9	27.4	30.5	23.3	22.9	31.2	21.5	92	92	87	70	93	97	17.6
9	57.45	57	57.88	56.52	56.71	57.80	22.9	23.5	27	26.5	26	24.8	29.2	21.2	97	95	86	87	89	98	------
10	57.28	57.03	57.76	56.19	57.13	58.47	24.1	23.9	29.5	28.7	24.2	24.1	31.8	21.1	96	91	71	73	97	92	48.8
11	57.69	56.57	57.77	55.85	55.79	57.11	24.3	24.4	25.9	30.4	27.9	26	31.5	22.4	89	89	88	65	78	84	5.1
12	55.94	55.82	56.61	55.14	55.32	56.89	25.2	25	28.9	28	27	24.7	30.5	23	88	88	71	83	80	94	12.7
13	55.77	55.17	55.69	54.84	55.55	56.88	24.5	24.7	28.9	28.9	25.4	25.5	29.6	22.8	88	87	73	75	93	91	14.3
14	56.03	55.99	56.86	55.59	56.06	57.33	25.4	25.5	28.3	29.4	27.5	26.3	30.4	23.6	89	88	77	72	80	88	15.7
15	57.53	57.64	57.09	56.58	56.89	58.36	25.8	25.4	28.9	29.8	27.5	26.4	31	24	90	93	81	70	81	87	1.3
16	58.12	57.89	58.29	56.57	56.71	57.57	25.7	25.5	29.8	31.3	28.5	26.4	33	24	92	93	79	63	83	89	------
17	57.28	57.23	57.73	55.95	56.16	57.22	25.3	24.9	30.3	28.5	28.5	26.9	32.1	23.4	91	92	67	85	83	85	2.5
18	56.47	56.51	58.06	56.15	55.91	57.70	25.6	24.4	26.9	29.1	27	26.3	29.4	23.1	90	95	85	74	84	88	1
19	56.66	56.63	57.49	55.90	56.21	57.83	25.4	24.4	29.4	25.9	26.2	25.7	31.5	22.7	88	91	74	92	94	93	13.7
20	57.23	57.20	57.82	55.69	56.41	58.27	24.7	24.4	25.5	29	26.3	25.4	32	22.8	95	96	95	77	91	96	42.6
21	57.32	57.08	57.94	56.59	56.74	58.43	24.4	23.8	29.4	28.4	28.1	25.8	31	21.9	94	97	77	80	83	93	.3
22	57.73	57.72	58.35	56.56	56.94	58.01	25	24.8	28	29.6	24.8	24.6	30.3	23	97	93	81	74	92	97	27.5
23	56.93	56.89	57.51	55.26	55.69	57.23	24.2	23.9	27.9	29.4	26.6	25.6	33.7	22	95	95	82	74	88	88	.5
24	57.04	56.82	57.72	56.46	55.74	57.31	25	24.6	27.6	25	25.9	25.8	28.5	23.3	91	92	84	98	88	87	36.3
25	56.47	56.45	56.76	55.64	56.28	57.19	25.4	25.1	28	29.2	25.6	24.9	29.5	23	89	91	81	74	93	92	5.8
26	55.21	55.03	55.34	53.45	53.93	55.31	24.8	25.4	28.8	27.7	25.5	25.1	30	23	92	88	72	87	90	96	23.3
27	54.05	53.66	54.25	52.50	52.43	54.25	25	25.4	27	29.9	27.6	26.4	30.7	23.4	94	93	88	72	84	86	4.6
28	53.95	53.69	53.83	52.80	53.53	56.11	25.7	25.5	28.3	29.5	27.6	27	30.1	23.6	89	93	79	73	81	78	1.8
29	55.76	54.68	54.94	54.04	54.76	56.25	26.5	26.6	29.4	30.9	28.5	27.6	31.5	24.4	83	83	72	72	81	85	------
30	55.48	55.35	55.90	54.95	54.96	55.82	27	26.9	28.7	29.5	27.6	27	30.2	25.2	85	85	75	71	81	84	------
31	54.62	54.55	54.45	52.92	53.39	54.06	26.7	26.5	28.8	28.8	26	25.9	29.5	24.5	85	85	76	79	94	94	17.2
Mean	56.75	56.53	57.11	55.70	56.08	57.40	25.1	24.9	28.5	29	26.8	25.7	30.8	23	90.6	91.1	77.9	76	85.7	89.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	315.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	SW	WSW	SW	SW	SW	51.2	83.5	66.8	37.5	239	10	Ci.-S.	Cu.	9	Ci.-S.	cu.-N.WSW
2	SW	SW	SW	WSW	SW	Calm	36	81.1	108.6	45.1	270.8	8	Ci.-S.	Cu. WSW	9	Ci.-S.	Cu.
3	Calm	SW	SW	WSW	SW	WSW	39.2	68.6	64.7	47	219.5	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. W
4	SW	WSW	SW	WSW	W	W	67	84	90.9	45.3	287.2	9	Ci.-S.	Cu.	6	Ci. E	Cu. SW
5	W	Calm	W	W	W	WSW	29.5	66.8	74	38.1	208.4	1	------	Cu.	7	Ci.-S.	Cu.-N. W
6	W	SW	SW	WSW	Calm	Calm	46.9	70.6	73.2	23.3	214	5	Ci. ESE	Cu. WSW	9	------	N.
7	Calm	Calm	W	WSW	Calm	W	28.8	78.1	63.1	24.1	194.1	2	Ci.	Cu.	8	Ci.-S.	Fr.-N. W
8	Calm	Calm	W	W	Calm	Calm	16.6	41.5	47	5.1	110.2	9	Ci.-S.	N.	10	Ci.-S.	Cu.-N. W
9	Calm	SSW	SSW	SW	SW	Calm	25.7	46.4	49.3	35.2	156.6	10	Ci.-S.	N.	10	Ci.-S.	N.
10	W	SW	W	W	Calm	SW	42.1	70.3	63.3	40.4	216.1	9	Ci.-S.	N. WSW	9	Ci.-S.	cu.-N.WSW
11	W	W	W	WSW	SW	SW	50.2	80.7	90.9	55	276.8	2	Ci.	Cu.	8	Ci.-S.	cu.-N.WSW
12	SW	SW	WSW	WSW	SW	SW	51.2	66	88.3	60.9	266.4	8	Ci.-S.	Cu.	9	Ci.-S.	cu.-N.WSW
13	SW	Calm	SW	SW	SW	SW	37	77	110.5	86.3	310.8	9	Ci.-S.	Fr.-N. WSW	7	Ci.-S.	Cu.-N.
14	SW	SSW	W	SW	SW	Calm	65	77.2	109.9	29.3	281.4	6	Ci.-S.	cu.-N. WSW	7	Ci.-S.	cu.-N.WSW
15	Calm	SW	SSW	SW	W	W	33.8	72.4	76.9	42.6	225.7	4	Ci.	Cu. WSW	10	Ci.-S.	Cu. WSW
16	W	Calm	WSW	SSW	Calm	Calm	37	53.1	66	21.5	177.6	6	Ci.-S.	Cu. WSW	5	Ci.	Cu. WSW
17	Calm	WNW	WSW	W	W	W	38.1	63.4	68.9	39.9	210.3	6	Ci. E	Cu. WSW	7	------	cu.-N.WSW
18	W	SW	SSW	SSW	SW	SW	32.7	47.3	55.5	35.9	171.4	1	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
19	SW	S	SW	W	W	W	40.8	62.8	55.8	32.4	191.8	3	A.-Cu. S	Cu.	8	------	N.
20	Calm	Calm	W	W	Calm	Calm	19.8	52.1	61.2	17.1	150.2	1	A.-Cu.	Cu. SW	8	Ci.-S.	cu.-N.WSW
21	Calm	Calm	SW	SW	SW	Calm	36	50.9	66	31.2	184.1	3	Ci.	Cu.	8	Ci.-S.	N. WSW
22	SW	SW	SW	WSW	SW	SW	37	59.2	57.9	29	183.1	6	Ci.	Cu.-N. WSW	10	Ci.-S.	cu.-N.WSW
23	SSW	WSW	SW	SW	Calm	SW	50.2	88.5	70.5	46.7	255.9	9	Ci.-S.	N.	10	Ci.-S.	Fr.-N. W
24	SW	SW	WSW	W	SW	SW	51.8	72.1	68.4	83.7	276	10	Ci.-S.	N. WSW	10	Ci.-S.	N. WSW
25	SW	Calm	SW	SSW	W	WSW	53.7	58.1	100.4	34.9	247.1	10	Ci.-S.	Fr.-N. WSW	10	Ci.-S.	Cu.-N. W
26	Calm	SW	WSW	WSW	W	SW	47.3	107.8	97.9	47.5	300.5	9	Ci.-S.	N.	7	Ci.-S.	cu.-N.WSW
27	SW	SW	WSW	SW	WSW	SW	51	103	124.1	105.6	383.7	8	Ci.-S.	Cu.-N.	8	Ci.-S.	cu.-N. SW
28	SSW	SSW	SSW	SSW	WSW	SW	87.4	123.9	144.3	85.5	441.1	9	Ci.-S.	Fr.-N. SW	10	Ci.-S.	Fr.-Cu. SW
29	SW	SW	SW	SW	SW	SW	96.1	133.4	156.7	116.9	503.1	9	Ci.-S.	Cu.	5	Ci.	Cu. SW
30	SW	SW	SW	SW	SW	SW	115.6	156.7	141.9	76.6	490.8	7	Ci.-S.	Cu. SW	9	Ci.-S.	Cu. WSW
31	SW	SW	SW	SW	SW	SW	80.2	72.4	80.8	65.8	299.2	10	Ci.-S.	N.	10	Ci.-S.	Fr.-N.
Mean	------	------	------	------	------	------	48.2	76.4	83.7	47.9	256.2	6.7	------	------	8.5	------	------
Total	------	------	------	------	------	------	------	------	------	------	7,942.9	------	------	------	------	------	------

LEGASPI.

[$\phi = 13°\ 09'$ N; $\lambda = 123°\ 45'$ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

SEPTEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	53.95	53.94	54.36	53.08	53.79	54.62	25	24.5	26	27.5	25.1	24.8	27.6	22.9	97	95	91	84	91	93	19.9
2	54.11	54.35	55.02	54.23	54.58	55.80	24.6	24.8	25.8	25.9	25	25	27.6	22.1	92	92	93	91	93	96	22.5
3	55.28	55.35	56.12	54.84	54.87	56.69	25.6	25.5	27.5	29.5	27.6	25.8	29.5	23.4	92	92	84	75	81	85	3.3
4	56.74	56.61	57.20	56.05	56.26	57.71	25.2	25.4	29.9	29.9	28.1	26	31.6	23.9	88	89	67	69	77	91	------
5	57.34	57.12	58.07	56.68	57.25	58.98	25.3	24.4	31.6	32.6	28.3	25.8	34.5	22	92	94	65	57	79	93	------
6	58.71	57.92	58.26	56.62	56.04	58.75	24.9	23.1	30.3	32.9	28.4	27.8	34.5	21.5	86	95	72	63	82	79	------
7	57.85	56.61	57.16	55.75	56.52	57.19	25.9	24.8	29.8	26.9	23.6	25.1	32	22	88	93	75	81	95	88	12
8	55.91	55.96	57.16	55.69	56.97	58.10	25.2	25.4	28.3	30.4	25.7	24.4	31.1	23.1	89	88	73	65	91	95	------
9	57.47	57.42	58.05	56.83	57.49	58.94	24.2	24.2	29.3	31.4	27.9	25.2	31.7	22.6	93	92	72	60	74	86	------
10	57.79	57.38	57.54	56.06	55.90	57.42	24.9	24.8	29.6	31.6	27	26	32.5	23.3	87	92	67	61	81	87	------
11	57.21	56.52	57.04	55.19	55.74	57.42	25.7	25.5	28.6	30.8	27	26	31.3	22.9	88	90	80	66	89	89	23.9
12	56.56	56.78	56.50	55.17	55.80	56.68	24.9	24	29.3	31	26.9	25	31.9	21	96	96	72	65	78	91	8.6
13	56.47	56.27	56.34	54.29	54.84	56.12	24.8	25.3	29.4	29.4	27	24.2	29.7	21.5	90	92	75	78	84	97	29.8
14	55.29	54.30	54.22	52.32	52.14	52.52	24.5	25.1	28.2	28.7	27.1	26.5	29	23.2	96	93	82	77	85	82	.8
15	51.18	51.05	51.72	50.25	50.59	51.49	26.5	26.6	28.3	28.9	26.4	26.9	29.4	24.7	87	86	82	78	90	85	6.6
16	51.60	52.28	53.23	52.22	52.99	55.46	26.6	26	28.6	29.5	26.5	26.5	30.1	24.4	87	90	83	85	88	86	1.8
17	54.98	55.11	55.44	55.48	55.70	56.58	25.9	25.9	27.6	28.1	27.5	26	30.5	24.3	88	88	87	85	80	89	2.3
18	56.03	56.06	56.06	54.63	55.26	56.22	25.2	25.1	29	30.5	28	25.9	32	23.5	93	94	77	68	77	88	1
19	55.08	54.71	55.48	53.57	53.97	55.23	25.4	25.3	30	30.9	27.1	25.8	31.6	23.7	91	92	71	66	80	88	------
20	55.01	54.87	55.66	54.20	54.97	57.07	25.4	25.3	29.8	30.3	27.5	25.8	30.7	23.5	90	91	73	70	81	91	2.6
21	56.48	56.36	57.20	55.82	56.75	58.15	25.2	25	28	30.5	27.4	26	31.1	23.6	93	94	81	68	84	88	1.8
22	57.94	58.11	58.80	57.15	58.33	59.69	25.4	25	29.8	29.9	28	26.8	32.4	23.4	91	94	75	73	84	86	.8
23	59.06	58.98	59.70	58.15	58.65	59.85	26.2	26.2	30.5	31	26.5	25.7	33.1	23.6	90	89	67	65	91	93	------
24	58.58	58.59	59.04	56.80	57.37	58.76	24.1	23.6	30.4	27.6	27	26.9	33.6	22.2	97	97	73	87	84	85	.6
25	57.66	57.72	58.35	56.33	56.26	57.77	24.4	23.5	32	32	28.5	25.5	34.7	22.1	94	97	65	63	82	89	1.5
26	56.66	56.77	57	53.79	54.51	55.36	24.1	24.2	26.6	28.5	26.3	24.9	30.1	22.6	95	94	88	76	89	92	13
27	54.63	54.54	55.60	54.34	54.92	56.75	24.9	26	28.9	31	28	26.9	31.5	23.3	93	88	74	67	81	91	1.8
28	56.03	56.82	57.75	55.86	56.40	57.90	26.4	26.4	29.9	31	27.5	26.5	32.1	24.6	86	86	71	65	86	89	.3
29	56.78	56.74	57.69	55.83	56.02	56.93	25.5	25.3	28.9	29.9	26.9	25.1	30.6	24	91	92	71	69	85	92	1.5
30	56.51	56.49	57.28	55.71	56.03	58.22	25	25.6	29.4	30.1	26.4	25.7	31.5	23.9	92	88	75	71	88	88	3.6
Mean	56.16	56.06	56.63	55.10	55.56	56.95	25.2	25.1	29	29.9	27	25.8	31.3	23.1	91.1	91.8	76	71.6	84.3	89.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	160

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	W	SW	SW	SW	SW	59.2	85.6	95.3	57.3	297.4	10	Ci.-S.	Fr.-N. WSW	10	Ci.-S.	Fr.-N.
2	Calm	SW	SW	SW	SW	SW	34.3	79.2	97.2	59.3	270	10	Ci.-S.	Fr.-N.	10	Ci.-S.	Fr.-N.WSW
3	SW	SW	SW	SW	SW	SW	60.2	87.5	89.1	51.2	288	10	Ci.-S.	Fr.-N. WSW	10	Ci.-S.	Cu. WSW
4	Calm	SW	SW	SW	Calm	SW	31.6	78.1	59.3	39.9	208.9	10	Ci.-S.	Fr.-N. SW	10	Ci.-S.	Cu. SW
5	Calm	Calm	SE	S	SW	Calm	21.2	30	59.5	13.2	123.9	3	Ci.	Cu.	6	Ci.	Cu. SSW
6	Calm	Calm	SE	NE	NE	NE	7.5	38.1	64.6	44.3	154.5	3	Ci. E	Cu.	4	A.-Cu. E	Cu.
7	NE	Calm	N	SE	Calm	NE	23.9	40.8	-----	-----	------	9	Ci.-S.	Cu. ENE	10	Ci.-S.	Fr.-N.ENE
8	NE	E	S	SE	Calm	Calm	97.7	60.2	61.5	18.2	237.6	6	Ci.-S.	Cu.	8	Ci.-S.	Cu. S
9	SW	SW	SW	SW	SW	SW	40.8	93.6	104.3	34	272.7	3	Ci.	Cu. WSW	2	Ci.	Cu. WSW
10	SW	SW	SW	SW	SW	SW	46.1	83.5	90.9	52.6	273.1	1	A.-Cu.	Cu. WSW	3	----------	Cu. WNW
11	SW	SW	WSW	WSW	WSW	WSW	52	96.9	94.4	54.4	297.7	7	Ci.-S.	Cu. WSW	7	A.-Cu. WNW	Cu. W
12	SW	WSW	WSW	WSW	SW	SW	63.4	112.5	129	59.7	364.6	10	Ci.-S.	N. W	4	Ci.	Cu. WSW
13	W	SW	WSW	WSW	WSW	SW	81.3	79.5	90.7	66.6	318.1	7	Ci.-S.	Cu. W	9	Ci.-S.	Cu.-N. W
14	SW	SW	WSW	SW	WSW	SW	70.6	65.7	87.5	89.1	312.9	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. WSW
15	SW	SW	SW	SW	SW	SW	101.7	127.4?	133.4	106.5	469	10	Ci.-S.	Fr.-Cu. WSW	10	Ci.-S.	Fr.-N.WSW
16	SSW	S	SW	SSW	SSW	SSW	123.4	155.8	190.2	93.8	563.2	10	Ci.-S.	Fr.-N. SW	9	Ci.-S.	Cu. SW
17	S	SW	SW	SW	SW	SW	91.7	97.2	95	41.8	325.7	6	A.-Cu.	Cu. SW	9	Ci.-S.	Fr.-N.SW
18	SW	SW	WSW	SW	WSW	SW	35.9	88.3	93.1	43.5	260.8	4	A.-Cu.	Cu.-N. SW	9	Ci.-S.	Cu. WSW
19	SW	Calm	W	WSW	SW	SW	42.6	62	77.2	43.5	225.3	8	Ci.-S. E	Cu.	9	Ci.-S. E	Cu. W
20	SW	SW	WSW	SSW	SW	SW	-----	-----	-----	36.7	------	7	Ci.-S.	Cu. WSW	8	Ci.-S.	Cu.
21	SW	SW	WSW	SW	Calm	SW	38.4	81	92.5	23.6	235.5	7	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu. WSW
22	SW	SW	SW	WSW	SW	WSW	23.3	86.6	67.4	46.7	224	3	Ci.	Cu.	3	Ci.	Cu. W
23	SW	WSW	WSW	WNW	Calm	Calm	55.7	38.6	19.6	9.5	123.4	9	Ci.-S.	Cu.	8	Ci.-S.	Cu.-N. WSW
24	Calm	Calm	Calm	N	NNE	NNE	6.2	23.5	87.7	54.1	171.5	6	Ci. NE	Cu.	10	Ci.-S.	N.
25	Calm	Calm	NE	NNE	NNE	Calm	8.3	31.6	74.2	28	142.1	3	Ci.	Cu.	4	Ci. E	Cu.-N. N
26	N	NW	WNW	WNW	W	SW	28.7	32	71	101.7	233.4	10	Ci.-S.	N. NNE	9	Ci.-S.	Cu.
27	SW	SW	SW	SSW	SW	SSW	70.3	140.8	142.1	89.5	442.7	10	Ci.-S.	Fr.-N. WSW	9	Ci.-S.	Cu.-N. WSW
28	S	SSW	SSW	SSW	WSW	SW	71.6	110.4	119.3	60.9	362.2	6	Ci.	Cu. SW	8	Ci.-S.	Fr.-Cu. SW
29	SW	SW	SSW	SW	SW	SW	83.9	102	124.9	57.1	367.9	5	A.-Cu. SW	Cu.	7	A.-Cu.	Cu.
30	SW	SW	WSW	SW	SW	SW	56.1	96.3	76.1	47.5	276	5	A.-Cu. SSW	Cu.	9	Ci.-S.	Cu.-N. WSW
Mean	------	------	------	------	------	------	52.7	79.5	92.4	52.6	280.1	6.9	----------	----------	7.7	----------	----------

LEGASPI.

[ϕ=13° 09′ N; λ=123° 45′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

OCTOBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.94	58.27	57.99	57.07	57.40	59.15	25.3	25.2	31.3	30.8	27.8	26.1	32.5	23.8	88	90	61	67	82	89	------
2	58.98	59.27	59.82	58.21	58.80	60.35	25.5	25.1	32.1	32.3	28.8	23.8	33.4	21.8	90	91	62	62	80	93	------
3	59.68	60.03	60.39	58.16	58.51	59.42	22.7	23.1	30.9	30.5	28.5	25.9	33.9	20.6	96	97	65	72	76	92	------
4	58.86	59.02	59.17	56.94	57.79	58.85	23.8	23	31.5	30	26.8	25.5	32	21.7	92	97	65	71	86	94	2.3
5	57.45	58.28	58.78	56.86	57.41	58.70	24.7	23.9	29.8	30.9	26.2	25.4	31.1	22.4	90	95	72	69	86	95	------
6	57.38	58.34	59	56.95	58.33	59.65	23.4	22.7	31	31.8	25.9	23.9	32.6	21.1	97	97	68	67	88	93	------
7	58.74	59.03	59.26	57.71	58.71	59.95	23.8	23.9	29.3	25.4	24.2	24.2	31.2	22	93	94	75	93	97	95	24.1
8	58.50	58.39	59.01	57.56	57.78	59.04	24	24.5	28.5	26	25.4	25	29.7	22.1	94	92	76	88	90	92	.3
9	58.59	58.08	58.24	56.28	56.95	58.08	24.1	23.5	29.9	30.8	26.3	25.2	31.9	22	94	96	73	67	88	94	1.5
10	57.23	57.62	57.78	55.89	56.87	57.22	25	24.9	30.2	28.1	27	25.8	31.2	23.1	94	96	71	80	87	93	------
11	56.92	57.09	57.99	55.63	56.94	58.13	25.3	25	29.8	31.6	27.1	24.8	32	23.4	93	92	69	65	87	98	16.8
12	57.88	57.99	58.45	56.44	57.48	59.52	24.3	24	30.2	32.5	24.5	23.9	33.3	22.3	97	99	75	69	97	97	46.5
13	57.85	58.22	58.60	55.95	56.21	57.17	23.5	23.4	29.4	29.9	28.1	27	32	21.1	97	97	79	71	80	87	------
14	55.75	55.50	55.91	54.33	54.92	55.27	26.1	26.8	27	30.9	26.3	26.9	31	24.1?	85	82	89	66	90	86	26.3
15	54.61	54.51	54.49	52.25	53.22	54.36	25.8	26.3	28.5	27.8	26.1	25.8	29.2	22.9	90	89	80	84	84	92	96.1
16	53.17	54.08	54.43	52.23	53.52	55.15	25.8	25.9	25.3	28.2	26.5	26.5	29.2	23	92	92	93	82	86	85	15.1
17	55.16	56.27	57.97	56.55	57.57	59.04	24.4	25.5	27.1	28.6	27.2	25.5	29.7	22.5	95	88	84	80	82	92	.8
18	58.86	59.71	60.13	58.28	58.99	60.45	23.8	23.5	30.9	33.4	28.6	25.6	33.9	22	96	96	64	64	77	93	9.1
19	59.80	60.32	60.37	58.43	58.69	59.60	25.1	24	30.4	29.6	27.3	26.1	31.9	22.1	93	97	68	78	81	85	------
20	58.87	59.09	59.24	56.98	57.90	59.02	23.2	24.1	29.7	32.4	27.7	26.2	33.3	21.3	90	86	71	63	81	86	1.8
21	58.15	59.04	60.69	58.23	59.29	59.70	24.8	25.8	23.6	26.5	25.4	26.5	27	21.5	96	91	93	84	92	86	52.9
22	58.73	58.86	59.76	57.58	58.11	59.10	25	24.9	27	29.2	27.1	26.6	31	22.5	96	95	83	76	87	88	1.3
23	57.87	58.47	58.87	56.63	57.65	58.72	23.5	22.7	30.9	31.9	27.8	24.8	33.6	21.4	97	98	67	69	84	92	------
24	57.57	58.04	58.99	56.51	57.20	57.73	23.7	23.1	29.4	27.6	25.5	24.8	32.5	21.6	97	97	74	80	94	90	3.3
25	56.80	56.94	57.38	55.55	56.50	57.07	23.7	23.4	29.4	26.9	26.1	24.5	31.5	21.9	95	96	74	91	95	94	4.6
26	55.78	55.73	57.05	55.65	56.79	58.30	24.3	24.8	29.7	30.1	26.6	25.5	30.7	22.5	90	89	63	69	91	90	------
27	57.73	58.67	59.25	58.11	58.90	60.13	24.2	24.6	30.5	34.1	28.8	27.5	34.5	22.6	97	95	70	64	83	87	------
28	59.40	59.85	60.49	58.71	59.31	60.45	26.6	26.3	31.9	33.1	28.5	24.2	33.9	22.6	86	86	58	66	83	97	4.1
29	58.83	58.87	59.65	58.21	58.68	60	23.6	23.5	30.1	28.4	27	26.5	30.7	21.5	96	96	74	82	87	86	8.1
30	58.93	59.16	59.66	58.28	59.29	60.83	25.6	25.1	28.1	32	27.9	26.6	32.3	23.5	91	92	88	68	85	92	12.8
31	59.84	60.30	60.64	58.90	59.91	60.26	26.2	24.5	31	32.9	28.2	26.9	33.6	23.1	88	95	69	66	84	87	4.8
Mean	57.80	58.16	58.69	56.81	57.60	58.72	24.5	24.4	29.5	30.1	26.9	25.6	31.8	22.3	93.1	93.3	73.3	73.3	86.1	91	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	332.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	SSW	WSW	WSW	WSW	SW	44	89.6	84.2	40.7	258.5	10	Ci.-S.	Fr.-N. WSW	8	A.-Cu.	Cu. WSW
2	SW	WSW	WSW	WSW	Calm	Calm	32.8	63.3	55.5	7.5	159.1	3	A.-Cu. SW	Cu.	3	Ci.	Cu. WSW
3	Calm	Calm	WSW	WSW	WSW	Calm	3	53.7	76.6	20.9	154.2	0			4		Cu.-N. WSW
4	Calm	Calm	WSW	WSW	Calm	Calm	2.7	48.8	34.3	2.2	88	3	Ci. E	Cu.	8	Ci.-S.	Cu. WSW
5	Calm	Calm	Calm	SSW	Calm	Calm	4.2	11.5	35.6	1	52.3	9	Ci.-S.	Fr.-N. W	9	Ci.-S.	Cu. SW
6	Calm	Calm	Calm	Calm	Calm	Calm	1.3	17.1	19.3	6.1	43.8	2	Ci.	Cu.	8	Ci.-S.	Cu.
7	Calm	Calm	SW	Calm	Calm	Calm	6.1	28.5	19.3	35.7	89.6	9	Ci.-S.	N.	10	Ci.-S.	N. WSW
8	SW	WSW	W	WSW	WSW	Calm	72.1	96.3	67.8	37.6	273.8	10	Ci.-S.	N. WSW	10	Ci.-S.	Fr.-N. W
9	Calm	Calm	SW	SSW	Calm	Calm	18.2	60.2	66	21.5	165.9	4	Ci. E	Cu.	7	Ci.-S.	Cu. SW
10	Calm	Calm	SSW	S	Calm	Calm	8.3	54.4	64.9	6.1	133.7	8	A.-Cu. SW	Cu. SW	8	Ci.-S.	Cu.-N.
11	Calm	Calm	SSE	SSW	Calm	Calm	7.7	38.3	37.2	11.1	94.3	8	A.-Cu.	Cu. S	8	Ci.-S.	Cu.-N. SSW
12	Calm	Calm	Calm	SE	SW	Calm	1.3	7.5	23.9	3.7	36.4	10	Ci.-S.	N.	6	Ci.	Cu.-N.
13	Calm	Calm	Calm	NE	NE	NE	2.2	23.9	106.7	51	183.8	9	A.-cu. WSW	Cu.	4	Ci. E	Cu.
14	NE	NNE	NNE	NNE	N	N	47.3	85.3	97.9	89.3	319.8	6	Ci.	Cu.	7	Ci.-S.	Cu.-N. NE
15	N	NNE	NNE	NNE	NNE	NNE	90.3	134.2	152.1	139.2	515.8	10	Ci.-S.	Fr.-N. ENE	10	Ci.-S.	Fr.-N. NE
16	N	NNE	NE	E	E	E	140.5	134.7	156.1	111.2	542.5	10	Ci.-S.	Fr.-N. E	10	Ci.-S.	Fr.-N. ESE
17	NE	Calm	Calm	SSE	Calm	Calm	46.2	18.7	46.1	19.1	130.1	10	Ci.-S.	Fr.-N. SSE	10	Ci.-S.	Fr.-Cu.
18	Calm	Calm	ESE	E	Calm	Calm	13.2	25.5	33.5	8	80.2	2	Ci.	Cu.	4	Ci. N	Cu.
19	Calm	Calm	NNE	ENE	N	Calm	37	59.5	92.7	53.9	243.1	2	A.-Cu. NE	Cu.	7	Ci.-S.	Cu.-N. ENE
20	Calm	Calm	N	NNE	N	NNE	7.4	56.5	59.2	50.5	173.6	2	Ci. E	Cu.	3	A.-Cu.	Cu. NE
21	Calm	Calm	N	NNE	Calm	N	22.7	25.1	40.5	38.3	126.6	9	Ci.-S.	Fr.-N. E	10	Ci.-S.	Fr.-N. NE
22	Calm	Calm	NE	NE	NNE	NE	11.3	54.2	58.9	45.6	170	7	Ci.	N. NE	9	Ci.-S.	Cu. ENE
23	Calm	Calm	NNE	NE	Calm	Calm	3.7	35.9	53.6	14	107.2	2	Ci.	Cu.	3		Cu. NNE
24	Calm	Calm	NE	NNE	N	Calm	8	71	67.8	26	172.8	1	Ci.	Cu.	8	Ci.-S.	Fr.-N. NNE
25	Calm	Calm	E	SW	SW	W	14.37	24.3	42.4	65.4	146.4	8	Ci.-S.	Cu. NNE	9	Ci.-S.	Fr.-N. WNW
26	S	WSW	W	SW	Calm	Calm	84.5	100.6	76.2	10.7	272	8	Ci.-S.	Cu.	9	Ci.-S.	Cu.
27	Calm	Calm	SW	E	ENE	ENE	1.3	27.2	----	----	------	3	Ci.	Cu. SSW	4	Ci.	Cu. S
28	Calm	Calm	ENE	E	E	ENE	----	----	----	----	------	3	Ci.	Cu. E	2	Ci.	Cu.
29	Calm	Calm	NE	NE	NE	NE	----	----	48.3	52.1	------	4	----------	Cu. ENE	9	Ci.-S.	N. ENE
30	NE	Calm	Calm	NE	Calm	Calm	17.9	18.5	49.9	29.8	116.1	8	----------	Fr.-N. E	3	Ci.	Cu.
31	Calm	Calm	NE	E	NNE	NNE	12.7	23.1	60.2	52.5	148.5	4	----------	Cu.-N. E	3	Ci.	Cu. ENE
Mean	------	------	------	------	------	------	26.3	51.3	63	36.2	178.5	5.9	----------	----------	6.9	----------	----------

LEGASPI.

[ϕ=13° 09′ N; λ=123° 45′ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

NOVEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.14	59.37	59.26	57.20	58.40	59.15	25.8	26.5	28.7	30.9	25.8	26	31.1	23.3	88	85	83	71	92	93	26.2
2	58.65	59.12	59.89	58.01	59.12	60.65	26	26	30.2	30.1	25.1	25.5	31.5	22.4	88	87	74	73	95	91	15
3	59.64	59.88	60.09	58.09	58.98	60.40	25.8	23.9	30.4	31.8	27.9	26.5	32.6	22.4	90	97	72	69	85	90	
4	59.31	59.52	60.17	58.10	58.96	59.70	25.9	25	30.1	31.9	28	26.1	32.7	23.4	91	92	74	67	81	82	
5	59.49	58.94	59.76	58.05	57.82	58.01	25.8	25.9	29	29.9	26.7	27.1	31.4	23.7	81	81	75	63	86	83	18.3
6	56.45	56.50	57.17	56.41	57.25	59.03	27.4	26.8	26.8	27	27.5	25	28	23.1	83	87	90	89	88	96	20.8
7	58.86	59.71	60.70	59.14	59.51	60.36	25.9	25.6	27.2	26.3	26.1	26.3	28	23.5	90	93	90	85	84	88	6.3
8	59.75	60.43	61.36	59.13	59.59	60.55	24.7	24.9	27.4	30.6	27.5	26.3	30.9	23	91	90	84	71	79	86	7.8
9	59.17	59.29	60.04	57.93	58.16	59.35	25.7	25.6	27.5	29.9	27.3	26.2	30.2	23.5	85	84	81	69	82	87	34.1
10	58.63	58.88	59.54	57.86	58.20	59.60	24.1	25	29.7	28	26.9	26.6	30.8	22.2	95	93	69	79	87	86	3.6
11	59.19	59.47	60.15	58.64	59.35	60.25	26	25.9	29	30.5	26.7	26.4	31.5	24.4	83	83	79	68	88	87	4.1
12	59.65	59.47	60.38	58.78	58.92	59.70	25.7	26.5	27.9?	28.2	26.6	26.5	29.7	24	92	88	89?	87	91	88	.9
13	58.96	58.91	59.56	58.01	58.36	59.20	25.5	25.3	25.2	26.5	26.9	25.9	28.6	23.1	93	94	98	86	88	90	24.6
14	58.38	58.61	59.29	57.45	58.36	59.47	22.3	21.4	28.8	32	27.6	26.3	32.4	19	90	96	79	67	84	85	
15	58.98	59.50	60	57.93	58.76	59.50	22.5	22	29	33	27.4	26.5	33.5	20.6	95	96	74	60	87	88	
16	58.71	59.17	59.75	58.48	58.84	59.40	24.9	23.1	30	29.6	28	26.4	32.5	20.6	92	97	78	77	85	89	14.7
17	59.21	59.14	59.84	57.75	58.66	59.40	25.2	25	30	31.9	27.8	27	32.4	22.5	92	92	77	67	79	83	
18	58.80	58.92	59.63	57.51	58.04	59.22	26	22.8	29.1	32.1	28	25.8	33.2	21.4	85	96	77	68	79	87	
19	58.72	58.91	59.42	56.68	57.50	58.77	23.9	21.4	29.6	32	27.9	27.2	33.1	19.8	91	96	71	60	81	78	
20	57.83	57.88	58.30	56.45	57	57.75	25.4	22.5	30	31.4	27.1	26.8	32.1	21	82	94	69	63	80	78	
21	56.67	57.54	58.53	56.50	57.44	58.44	22.8	22.5	27.5	25	24.9	25.6	28.2	20.5	93	94	92	92	91	86	10.7
22	58.01	57.97	58.51	56.97	57.93	59.09	25.3	24.9	28.6	28.1	26.4	25.9	30.1	23	86	88	73	77	84	80	
23	58.03	58.08	58.79	56.56	57.01	57.55	25.6	25.4	29.1	27.9	27.3	25.5	30	23.9	80	80	70	74	79	88	2.3
24	56.21	55.99	56.50	54.31	54.36	53.92	25.3	25.6	26.9	27.1	25.1	25.1	27.5	22.9	89	88	88	87	96	98	31.7
25	51.80	51.77	54.39	54.19	55.95	57.73	25.2	26.2	28.5	27.9	25.4	23.4	31.1	21.3	96	90	78	84	80	92	.5
26	57.93	58.46	58.95	56.75	57.10	58.95	21.8	21.4	30	31.9	27.8	26.9	32.7	19.9	95	96	68	67	85	87	
27	58.11	58.85	59.55	57.40	57.47	57.87	24.8	23.4	29.4	30.6	26.3	26.3	31.5	21.9	92	95	73	68	86	90	1.3
28	56.16	56.37	57.34	55.06	56.03	57	27	26.9	28.5	26.7	26.5	26.6	29.4	23.5	88	89	88	91	91	87	100.9
29	56.66	57.24	58.64	57.32	57.88	59.99	24.2	24.4	26	27.9	26.3	26.1	28.6	22.3	97	97	91	84	91	89	3.5
30	58.98	58.89	59.97	58.55	59.52	60.77	24.4	23.4	27.5	29.1	23.9	24.8	30.5	21.9	93	97	77	80	95	93	5.1
Mean	58.20	58.43	59.18	57.37	58.02	59.03	25	24.5	28.6	29.5	26.8	26.1	30.9	22.3	89.5	91.2	79.4	74.8	86	87.5	
Total																					332.4

Day.	Wind.										Clouds.				
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.		2 p. m.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	NNE	NNE	NE	NE	NE	56.9	92.5	109.9	109.1	368.4	4	Ci.	Cu.	7	Ci.-S.	Cu. ENE
2	E	E	E	E	Calm	NNE	86.4	83.9	54.9	37.2	262.4	1	Ci.	Cu.	6		Cu.-N. SE
3	NE	Calm	NE	NE	NE	NE	24.6	27.2	69.4	33.3	154.5	2	A.-Cu.	Cu. SE	1		Cu.
4	NE	Calm	NE	E	E	NNE	19.6	48.3	60.9	79.2	208	1		Cu.	4	Ci. E	Cu.
5	NE	NNE	NNE	NNE	NNE	NE	62.2	77.4	111.6	101.2	352.4	8	Ci.-S.	Cu.	10	Ci.-S.	Fr.-Cu. NE
6	NE	NE	NE	ENE	ENE	E	135	167.3	132.2	109.4	543.9	10	Ci.-S.	Fr.-N.	10	Ci.-S.	Fr.-N. E
7	NE	E	E	E	NNE	NE	78.9	68.7	68.9	84.8	301.3	9	Ci.-S.	Cu.-N. E	10	Ci.-S.	N. ENE
8	NE	NE	NE	ENE	ENE	ENE	48.8	69.7	71.1	77	266.6	2	Ci.	Cu. ENE	1		Cu.
9	NE	NNE	NNE	Calm	NE	ENE	62.6	76.6	62.2	64.6	266	3		Cu.-N. ENE	1		Cu. ENE
10	NE	ENE	NE	NNE	N	NE	31.1	86.3	81.3	78.1	276.8	2		Cu.-N. ENE	7		Cu.-N. ENE
11	NNE	NNE	NNE	NNE	N	NNE	72.7	81.1	82.9	70	306.7	1	Ci.	Cu.	4	Ci.	Cu. ENE
12	NE	NE	NNE	NE	ENE	NE	78.1	73.4	61.7	54.5	267.7	7		Fr.-N. ENE	8	Ci.-S.	Cu. NE
13	Calm	NE	NNE	Calm	Calm	Calm	35.6	46.7	9.2	12.1	103.6	9	Ci.-S.	N. ENE	6	Ci.-S.	Cu.
14	Calm	Calm	Calm	ENE	Calm	Calm	2.2	18.7	41.2	24.7	86.8	1		Cu. NE	1		Cu. E
15	Calm	Calm	NNE	NE	Calm	Calm	1	42.3	42.3	29.8	115.4	1	Ci.	Cu.	1		Cu.
16	Calm	Calm	NNE	Calm	Calm	Calm	5.9	22.5	21.7	12.1	62.2	3	A.-Cu.	Cu. ENE	9	Ci.-S.	Cu. ENE
17	Calm	Calm	ENE	ENE	Calm	Calm	1.9	37.5	36.2	4.3	79.9	3		Cu. E	1		Cu. ESE
18	Calm	Calm	Calm	ENE	Calm	Calm	1	9.4	15.5	1.4	27.3	3		Cu. E	1		Cu.
19	Calm	Calm	NNE	NE	NNE	Calm	1.1	66.2	71.1	44.3	182.7	0			1	Ci.	Cu.
20	Calm	Calm	NNE	NNE	NNE	NNE	12.7	85.8	114.5	54.2	267.2	3	Ci.	Cu.	2	Ci.	Cu. N
21	Calm	Calm	Calm	NNE	NE	NNE		26.6	68.2	70.8		10	Ci.-S.	N. NNE	10	Ci.-S.	N.
22	NE	NNE	NNE	NNE	NNE	NNE	78.6	102.5	104.9	98.8	384.8	2	Ci.	Cu.	3	Ci.	Fr.-Cu. NN
23	NE	NNE	NE	NNE	E	NNE	100.8	112.7	83.9	54.1	351.5	1	Ci.	Cu.	7	Ci.-S.	Cu. N
24	NNE	N	NNE	N	N	N	65.4	125	140.8	150.5	481.7	10	Ci.-S.	Fr.-N. NNE	10	Ci.-S.	Fr.-N. NNE
25	NE	ENE	E	E	Calm	Calm	71.4?	117.2?	51.2	6.2	246	10	Ci.-S.	Fr.-N. E	10	Ci.-S.	Cu.-N. SSE
26	Calm	Calm	E	E	ENE	NE	8	24.4		32.7		0			1	Ci.	Cu.
27	Calm	Calm	NNE	NE	NNE	NNE	8	59.8	98.4	84.2	250.4	3	Ci.	Cu. NE	5	A.-Cu. ESE	Cu.
28	NNE	NNE	ENE	NE	ENE	ENE	114	143	120.1	102.5	479.6	10	Ci.-S.	Fr.-N. ENE	10	Ci.-S.	Fr.-N. ENE
29	E	E	ENE	E	NNE	ENE	56.1	58.4	47.7	26	188.2	10	Ci.-S.	Fr.-N.	10	Ci.-S.	Cu.
30	Calm	Calm	Calm	Calm	Calm	ENE	9.7	11.3	30.1	24.9	76	10	Ci.-S.	N.	9	Ci.-S.	Cu. S
Mean							45.9	68.7	71.2	57.7	248.5	4.6			5.5		

LEGASPI.

[$\phi = 13° 09'$ N; $\lambda = 123° 45'$ E; barometer above sea, 5.5 meters; gravity correction not applied, —1.77 mm.]

DECEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.99	60.95	61.50	59.68	60.86	61.87	24.8	24.7	30.3	30.6	26.8	25.5	31.9	21.6	92	94	68	70	89	86	------
2	61	61.26	61.98	59.50	59.74	60.67	21.5	21.2	28.6	29.9	27	25.4	32.4	19.7	95	96	75	69	84	88	------
3	59.70	59.50	59.70	57.06	57.41	58.33	21.8	21.5	28	30.4	26.6	23.3	30.9	20	96	96	74	64	72	87	------
4	57.29	56.84	57.06	55.28	56.18	56.95	23.3	23.4	27.2	26.1	25.5	25	27.4	21.1	87	88	79	87	80	91	------
5	56.58	56.83	58.11	56.45	57.65	58.64	24	24.5	28.6	30.4	26.1	24.4	30.9	22.2	93	91	76	68	88	94	------
6	58.70	59.05	59.98	58.71	59.40	60.67	22	21.7	30	28	26.6	25.9	31.8	20.1	98	96	68	74	79	81	------
7	59.77	60.85	61.19	59.99	60.12	61.15	25	24	28	25.5	25.4	24.8	29.2	22.9	83	88	70	76	77	74	------
8	60.37	60.26	61.10	59.51	60.15	60.96	23	22.9	27.1	26.1	23.5	24.5	28.6	19.9	83	83	72	79	86	78	1
9	60.47	60.61	61.82	60.49	60.34	61.50	24	24.8	27.6	25.7	24.5	24.2	29.5	21.9	81	79	72	83	89	91	137.5
10	60.62	60.71	62.20	60.96	61.42	61.86	24.1	24	24.9	23.9	23.9	24.6	25.6	21.1	91	91	92	97	91	89	47.1
11	60.52	60.76	61.68	60.11	60.76	61.95	24.7	24.9	28.6	27.5	26.2	24.8	30.5	22.7	88	86	71	76	82	87	2.7
12	61.17	61.12	62.21	60.34	60.55	61.67	25.5	25	28	29.1	26.6	25.6	29.8	23.1	86	88	75	71	85	88	10.2
13	60.79	61.10	62.31	60.80	60.71	62.04	25.3	25.4	26.4	26	25.6	26.1	28.2	23.3	86	86	84	86	93	86	16.5
14	61.14	61.21	62	60.31	60.82	61.57	25	25	27.2	26.5	26.4	25.9	27.5	22.6	91	91	81	80	89	88	4.6
15	60.71	60.83	61.66	60.18	60.70	61.82	25.6	25.3	29.4	30.9	27	26	31.9	23.6	88	89	76	71	84	84	------
16	60.81	60.78	61.62	59.89	60.37	61.35	25.3	25.1	26.4	30.3	26.5	25.5	30.7	23.4	83	82	81	62	77	80	.3
17	60.80	60.13	61.49	59.72	60.04	60.77	25.2	25	27.5	29.1	25.5	25.2	31.8	23.4	80	81	76	72	84	82	4.6
18	59.87	59.80	60.38	57.68	57.88	58.65	24.7	24.5	28.4	29.4	26	21.3	30	19.1	79	78	74	68	67	88	------
19	57.93	58.16	59.42	57.40	58.32	59.30	21.6	21.7	27.4	28.8	26.9	24	29.5	20.2	93	93	76	75	80	96	------
20	58.73	58.69	59.70	57.93	58.62	59.44	23.7	22.3	27.5	29.2	26.5	26	31.2	20.5	93	96	80	77	83	82	------
21	59.09	59.07	59.99	57.99	58.31	59.62	23.2	24	28.7	30.3	26.8	26.1	30.9	21.7	94	89	70	66	83	82	2
22	58.73	59.51	60.55	58.86	59.48	61.05	24.7	24.5	26.8	26.2	24	25	27.4	22.4	92	92	81	79	91	85	26.2
23	60.63	60.86	62.73	60.13	60.27	61.87	24.2	23	23.1	24.1	24.5	24.5	25.2	20.6	86	92	94	89	90	89	38.6
24	60.30	60.02	61.36	59.60	60.57	61.18	23.5	24	24.4	25.9	23.5	24.1	27.4	21	95	94	95	87	91	91	53.6
25	60.62	60.61	61.75	60.11	60.91	61.86	24.9	24.4	25.4	27	23.7	24.9	27.1	21	87	89	88	78	97	94	138.8
26	61.01	61.06	61.77	59.62	60.10	61.45	24.8	24.4	27.2	30	26.6	26	30.7	22.5	93	91	88	73	82	84	2.6
27	61.16	60.63	61.52	59.84	60.11	61.01	23.8	25.3	26.9	29.5	25.4	25	30.6	22.5	95	85	86	75	96	95	22.4
28	60.55	60.83	62.05	59.81	60.55	61.52	24.4	24.1	25.2	28.6	25.6	25	29.8	22.3	95	95	92	80	91	91	32.7
29	60.80	61.60	62.75	60.97	61.57	62.47	24.6	24.3	26	26.4	26.1	25.6	29.5	22.6	92	94	88	85	85	84	6.1
30	61.56	62.01	62.72	60.61	60.86	61.86	25.3	23.9	26.5	29	26.1	25.8	29.9	22.2	80	88	82	74	85	85	10.2
31	60.77	61.15	61.96	60.03	60.49	61.15	24.9	24.6	27.2	27.5	24.9	25.3	29	23	91	92	86	81	85	87	16.8
Mean	60.07	60.22	61.17	59.34	59.85	60.85	24.1	24	27.2	28	25.7	25	29.6	21.7	89.2	89.5	79.7	76.5	85	86.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	574.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	Calm	ENE	E	E	Calm	16.1	24.7	51.3	8.5	100.6	9	Ci.-S.	Cu. E	3	Ci. S	Cu.
2	Calm	Calm	NNE	Calm	NNE	Calm	1	------	------	18	------	5	Ci.	Cu. ENE	9	Ci.-S.	Cu.
3	Calm	Calm	NNE	NNE	NNE	Calm	1	71.4	81.5	14.3	168.2	4	Ci.	Cu.	6	Ci. SE	Cu. N
4	Calm	NW	WNW	W	W	W	39.1	61.4	62.5	66.2	229.2	10	Ci.-S.	Cu.	10	Ci.-S.	Fr.-Cu.NW
5	W	W	WSW	WSW	Calm	WSW	73.2	93.1	76.7	28.8	271.8	8	A.-Cu. SW	Cu.	8	Ci.-S.	Cu. WSW
6	Calm	Calm	Calm	NNE	NE	NNE	14.5	16.1	69.8	81.1	181.5	2	Ci.	Cu.	7	Ci.-S.	Cu.-N.NNE
7	NNE	NNE	NE	NNE	NNE	NNE	74.5	75.4	70.5	74.6	295	2	Ci.	Fr.-Cu.NNE	8	Ci.-S.	N. NE
8	NNE	Calm	NNE	NE	NE	N	56.1	76.9	104.4	75.6	313	1	Ci.	Cu.	9	Ci.-S.	N. NNE
9	NE	NE	NNE	NNE	NNE	NE	72.4	82.4	81.3	70.2	306.3	5	Ci.-S.	N. NE	10	Ci.-S.	N.
10	NE	NE	NE	NE	NE	NE	77.5	94.3	72.4	96.8	341	8	Ci.-S.	Fr.-N. NE	10	Ci.-S.	Fr.-N.NE
11	NE	NE	NNE	NE	Calm	Calm	86.7	78.9	70.6	34.8	271	3	Ci.	Cu.-N. NE	4	------	Cu.-N.NE
12	NE	NNE	NNE	NNE	NNE	NE	51.5	74.6	58.1	59.7	243.9	5	Ci.-S.	Fr.-N. ENE	6	Ci.-S.	Cu.-N. E
13	NE	NE	NNE	NE	NNE	NE	67.6	61	57.6	53.9	240.1	5	Ci.-S.	Fr.-Cu.ENE	7	Ci.-S.	Fr.-N.ENE
14	Calm	NNE	NNE	NNE	NNE	NE	32.7	50.2	54.5	39.9	177.3	3	------	Cu.-N. E	10	Ci.-S.	Fr.-N.ENE
15	Calm	NE	NE	NE	Calm	NE	23.6	41.5	48.5	35.6	149.2	2	Ci.	Cu. E	2	------	Cu. E
16	NNE	NNE	NE	NE	ENE	NE	41.5	72.4	93.1	58.7	265.7	1	------	Cu. ENE	1	Ci.	Cu. E
17	NNE	NNE	NNE	Calm	NNE	Calm	52.9	57.3	42	36.4	188.6	3	------	Fr.-Cu.ENE	8	Ci.-S.	Fr.-N.ENE
18	NNE	NNE	NNE	NE	NE	Calm	36.2	54.9	105.2	13.4	209.7	1	Ci.	Cu.	7	Ci. E	Cu. N
19	Calm	Calm	Calm	Calm	N	Calm	2.6	7.5	9.9	12.7	32.7	2	Ci.	Cu.	9	Ci.-S.	Cu.N.NNW
20	Calm	Calm	Calm	NE	NNE	NNE	3.7	17.5	57.9?	41.8	120.9	1	Ci.	Cu. NNE	6	A.-Cu.	Fr.-Cu.NNE
21	Calm	NE	NNE	NE	NNE	NE	15.6	64.4	85.9	53.9	219.8	5	Ci.-S.	Fr.-Cu. NE	1	Ci.	Cu.
22	NE	NE	NNE	N	N	NNE	46.9	77	74	75	272.9	9	Ci.-S.	Fr.-N. NE	10	Ci.-S.	N.
23	NNE	NE	NNE	NNE	NE	NNE	87.7	53.3	76.9	58.2	276.1	10	------	N. NNE	10	Ci.-S.	Fr.-N. NE
24	Calm	NE	NE	NE	NE	NE	14.3	66.3	79.1	75.9	235.6	10	Ci.-S.	Fr.-N. NE	10	Ci.-S.	Fr.-N.
25	NE	NE	NE	NNE	NE	NE	74.8	76.9	98.8	76.7	327.2	10	Ci.-S.	Fr.-N. NE	10	Ci.-S	Fr.-N. NE
26	NE	NE	NNE	E	ENE	NNE	76.2	73.4	63.6	38	251.2	10	Ci.-S.	Fr.-N. ENE	2	------	Cu. E
27	NNE	NE	NE	ENE	Calm	Calm	53.1	54.9	55.5	24.3	187.8	6	Ci.	Cu.-N. E	5	------	Cu.-N. E
28	Calm	Calm	Calm	NE	Calm	Calm	19.5	12.3	30.8	21.9	84.5	9	Ci.-S.	Fr.-N. E	2	Ci.	Cu.
29	Calm	Calm	NE	NE	NE	NE	14.7	30.3	53.1	76.6	174.7	8	Ci.-S.	Fr.-N. E	9	Ci.-S.	N. E
30	NE	NE	NNE	NE	NE	NE	92.3	72.6	71.9	58.1	294.9	10	Ci.-S.	Fr.-N. ENE	2	------	Cu.-N. E
31	NE	NE	NNE	NNE	NNE	NE	59.7	63	75.8	54.1	252.6	8	Ci.-S.	Fr.-N. E	8	Ci.-S.	Fr.-N.ENE
Mean	------	------	------	------	------	------	44.5	58.5	67.8	49.5	222.8	5.6	------	------	6.7	------	------

ATIMONAN.

[$\phi = 14°\ 00'$ N; $\lambda = 121°\ 55'$ E; barometer above sea, 4.1 meters; gravity correction not applied, —1.74 mm.]

JANUARY, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.84	60.89	61.64	59.38	60.34	60.99	25.4	25.1	28.8	27.8	26	26	30.5	24.5	80	78	64	70	83	80	
2	60.83	60.99	62.24	60.17	61.14	62.20	25.4	25.3	27.8	28.1	26.2	26	29.2	24.9	82	81	78	72	76	76	0.8
3	61.43	61.57	62.95	61.06	61.89	62.67	26	26	27	27.8	26.1	25.9	28.4	24.7	79	79	72	68	74	78	1.8
4	61.99	62.04	63.12	60.85	61.22	61.90	25.4	23.7	25.9	26	25.4	25	28	23	80	93	81	88	88	91	6.1
5	61.34	61.51	62.88	60.80	61.03	61.37	24.4	24	25.4	25.4	26.2	25.7	26.7	23.4	92	92	88	83	77	78	1.3
6	60.59	61.19	62.40	60.29	61.39	61.42	25.1	25.4	27.2	27.8	26.4	25.8	28.7	24	80	77	67	65	76	80	.3
7	60.88	61.03	62.37	60.89	61.09	61.48	25.6	25.4	24.9	27.4	26	25.6	27.7	24	82	84	83	68	73	79	.8
8	60.80	61.36	62.09	59.78	60.30	60.92	24.9	21.9	25.4	26.7	26.5	25.4	28.7	21.1	79	90	78	74	76	79	
9	59.86	60.87	61.77	59.76	60.64	61.02	22.7	21.5	27.6	27.5	26.1	24	29.2	20.9	89	93	73	73	80	86	.3
10	60.65	61.47	62.39	60.39	62.03	62.07	22	22	24.8	26	25.4	25.7	27	21.5	96	96	90	84	83	82	6.3
11	61.43	62.49	63.64	61.27	62.19	62.80	25.2	25	25.9	26	25.9	25.8	27.4	24.1	86	85	84	84	85	84	2.5
12	61.75	62.39	63.93	61.12	62.15	63.04	25.1	25	25.6	28	26.5	26	28.7	24.4	88	88	85	75	80	79	1.3
13	62.13	62.54	63.70	61.07	62.18	63.87	25.5	23.5	27	27.9	26.2	25.5	28.5	22.7	80	89	75	74	76	78	
14	63.60	63.78	64.19	61.74	62.12	63.07	22.4	20.7	26	27.4	26	25.4	29	20.2	92	96	72	69	76	76	
15	62.56	62.78	63.94	61.72	62.47	64.08	25.4	25	27.9	27.8	25	25.2	29	24.5	77	80	67	69	80	80	
16	63.53	63.58	64.48	62.26	62.74	64	24.8	25	27	28.4	26.1	25.8	29.5	23.9	85	83	76	71	79	81	
17	63.03	63.29	64.50	62.86	63.39	64.35	25.2	25	27.9	28.3	26.3	25.5	29.6	24.2	83	83	69	70	76	80	
18	63.29	63.45	64.55	62.11	62.72	63.89	24.8	24.4	28.2	28	26.3	25.5	30	24	81	80	66	68	78	83	
19	63.80	64.01	65.18	63.06	63.64	64.41	25.2	24.9	25.9	28.5	26	25.2	29	22.8	85	87	82	68	79	83	5.8
20	63.54	63.58	64.83	62.53	62.84	63.93	25.2	25	27.7	28.4	26.3	25.5	29.2	23.9	76	76	68	68	72	74	
21	62.79	63.18	64.25	62.19	62.74	63.92	22.5	20.5	26.5	27.5	26.3	25.5	28.4	19.8	87	92	71	64	71	76	
22	62.76	62.74	64.37	61.97	62.28	63	24.4	24.4	27.4	27.8	26	25.2	29.9	21.2	80	79	64	65	69	70	
23	62.13	62.48	64.04	61.92	62.14	63.32	24.5	20.1	26.8	27.4	25.7	25.1	27.9	19.4	71	90	68	66	74	76	
24	62.89	63.09	64.33	62.39	62.23	63.49	24.9	24.5	26	26.6	26.1	25.5	29.4	24	77	79	72	75	73	76	
25	62.70	62.71	63.87	61.88	62.27	63.24	24.3	24	27.7	27.9	26.7	25.9	30.2	22.3	84	87	68	70	71	77	
26	62.69	62.81	64.55	62.69	63.24	64.60	25	22.4	27.8	28.8	26.1	25.7	29.7	21.5	76	88	70	64	75	73	4.8
27	63.80	64.99	66.17	63.72	63.98	64.97	24.6	21.5	23.9	25.2	25.2	24.5	26.2	21	79	91	84	78	82	79	3.3
28	63.53	63.96	65.42	62.79	63.25	64.28	24.8	24.7	24.6	27.4	26	25.4	27.8	22.8	83	82	91	73	76	80	4.1
29	63.45	63.69	64.77	62.42	62.64	63.87	24.9	24.5	27.3	28	25.5	25	28.5	24	79	80	67	66	77	78	
30	63.05	62.64	64.51	62.39	62.81	63.74	24.8	24.7	22.4	23.5	23.5	24.4	25.7	22	80	82	92	86	87	85	47.8
31	62.68	62.86	64.13	62.04	62.23	63.23	24	22.6	24.2	25.4	25.2	25	27	22.1	87	95	86	84	82	80	2
Mean	62.24	62.58	63.78	61.60	62.17	63.07	24.7	23.8	26.4	27.2	25.9	25.4	28.5	22.8	82.4	85.6	75.8	72.6	77.5	79.3	
Total																					89.3

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*					
1	NE	E	NE	NE	E	NE	94.1	49.7	65.7	56.1	265.6	3	Ci.	S.	8	Ci.	Cu. NE
2	E	NE	NE	NE	NE	NE	53.2	61.6	115	100.9	330.7	4	Ci. SW	S.-Cu. NE	4	Ci.	Cu. NE
3	NE	NE	NE	NE	NE	NE	106.4	124.1	106.4	83.6	420.5	10	Ci.-S.	S.-Cu. NE	9	Ci.-S.	Cu. NE
4	NE	Calm	E	N	NE	NE	63.4	21.2	55.9	59.3	199.8	9	Ci.	Fr.-N. NE	8	A.-Cu. E	S.-Cu. NE
5	NE	E	NE	NE	NE	E	79.4	91.4	135	110	415.8	10	Ci.	S.-Cu., N. NE	10	A.-Cu.	S.-Cu. NE
6	NE	NE	NE	NE	NE	NE	94.2	111.3	121.7	111.2	438.4	3	A.-S.	S.	2		Cu. NE
7	NE	E	E	NE	NE	E	113	121.3	138.3	85.8	458.4	5	Ci.	S.-Cu. NE	5		Cu. NE
8	NE	W	NW	N	NE	NE	46.4	22.4	67.6	49.2	185.6	10	Ci.-S.	S.-Cu. NE	4	A.-Cu. ENE	Cu. E
9	Calm	W	Calm	NW	N	W	19.1	22.5	65.8	40.3	147.7	8	Ci., A.-Cu. S	S.	4	Ci.	Cu.
10	W	W	N	NE	NE	NE	32.7	35.4	84.6	71.2	223.9	8	Ci.	S.-Cu. NE	10	A.-Cu. NE	S.-Cu. NE
11	NE	N	N	NW	N	E	62.5	63.7	53.4	53.6	233.2	9	Ci.	S.-Cu. NE	8	Ci., A.-Cu. NE	Cu. NE
12	NE	E	E	NE	NE	E	49	33.5	44.8	36.7	164	10	Ci.-S.	S.-Cu. NE	10	A.-Cu. E	N. ENE
13	E	Calm	NE	NE	NE	E	40.1	30.3	55.5	38.1	164	4	Ci.-Cu. W	S.	8	A.-Cu. E	Cu. NE
14	SW	W	N	N	N	NE	34.6	34.4	96.2	69.1	234.3	1	Ci.	Cu.	2	A.-Cu. E	Cu.
15	NE	E	NE	NE	NE	NE	64.3	71.2	102.3	48.1	285.9	7	A.-Cu. ENE	S.	7	A.-Cu. ENE	Cu. NE
16	NE	N	N	NE	N	NE	52	62	81.6	68.3	263.9	5	Ci.	S.-Cu. NE	8	A.-Cu. ENE	S.-Cu. NE
17	NE	NE	NE	N	NE	NE	49.3	45.2	98.1	72.3	264.9	9	Ci.	S.-Cu. NE	6	A.-S.	Cu. NE
18	E	E	NE	NE	NE	NE	41.8	47	87.3	77.5	253.6	3	Ci.	Cu. NE	2	Ci.	Cu.
19	NE	E	E	NE	NE	NE	35	48.1	119.4	96.3	298.8	9	Ci.	S.-Cu. NE	7	A.-Cu. ENE	Cu. NE
20	NE	NE	NE	NE	NE	NE	82.7	83.2	110.2	80.7	356.8	6	Ci. SW	S.-Cu. NE	4	Ci.	Cu. NE
21	E	SW	Calm	N	NE	N	28.3	26.3	77.3	77.4	209.3	3	Ci. SSE		4	Ci.	Cu. E
22	NE	E	NE	NE	NE	NE	45.3	44.4	96	82.4	268.1	4	Ci.	S.-Cu. NE	7		Cu. ENE
23	NE	SW.	Calm	NW	N	NE	35.3	24.6	73.5	58.7	192.1	1	Ci.	S.	1	Ci.	Cu.
24	N	NE	N	NW	NE	NE	56.3	41.8	80.5	50.2	228.8	1	Ci.	Cu.	4		Cu. NE
25	N	Calm	E	NW	NE	NE	23.6	26.6	59	75.6	184.8	8	A.-Cu. E	S.-Cu. E by N	2		Cu. E
26	NE	Calm	Calm	NE	NE	N	41.1	26.7	86.6	87.3	241.7	2	A.-S.	Cu.	3		Cu. NE
27	NE	NW	NW	NW	N	N	94.8	91.4	111.8	87.3	385.3	10		N. N	6	A.-Cu. NE	Cu. NE
28	NE	E	NE	NE	NE	NE	44.8	58.6	105.9	97	306.3	7	Ci.	S.-Cu. NE	6		Cu. NE
29	NE	NE	NE	NE	N	NE	89.4	92.8	96.4	74.4	353	3		S.-Cu. NE	4		Cu. NE
30	N	N	Calm	N	N	N	63	35.4	58.6	55.5	212.5	9	Ci.	S.-Cu. NE	10	Ci.-Cu.	N. NE
31	N	E	NW	NW	N	N	56.7	41.6	126.5	108.3	333.1	10		N. NE	9	Ci.-Cu.	Fr.-Cu. N
Mean							57.8	54.5	89.6	73	274.9	6.2			5.9		
Total											8,520.8						

ATIMONAN.

[ϕ=14° 00′ N; λ=121° 55′ E; barometer above sea, 4.1 meters; gravity correction not applied, —1.74 mm.]

FEBRUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	62.06	62.55	63.96	61.58	61.84	62.90	25	24.3	24	26.7	25.5	25.2	27.6	22.8	82	85	90	74	80	82	13.7
2	62.30	62.23	64.19	61.87	62.29	63.38	25.1	24.7	26	25	25.9	25.2	27.5	23.6	83	87	82	89	76	80	.8
3	62.38	62.31	63.99	61.85	62.27	63.23	25	25.1	27	25.3	25.3	25.2	27.5	24.3	80	79	70	83	77	76	------
4	62.59	62.60	63.97	62.32	62.88	63.78	25	25	25.5	26	25.7	25.4	26.5	24.4	79	79	80	82	78	84	------
5	62.76	63.39	64.92	62.74	63.32	64.61	24.7	24.6	25	26.9	25.7	25.2	27.4	23.1	85	85	87	73	77	76	4
6	63.78	63.85	65.21	63.17	63.47	64.84	24.4	24.5	25.2	25.3	25.7	25	28.8	23.5	78	76	82	83	75	77	3.6
7	63.75	64.46	65.19	62.77	63.18	64.58	24.2	21	26.7	28.8	26.3	25	30	20.6	77	91	69	67	74	73	------
8	63.46	64.24	64.65	62.11	62.78	64.20	21	20	26.6	27.2	25.9	25	28	19.5	91	94	69	68	74	77	------
9	62.89	63.57	64.06	61.71	62.28	63.27	21	19.2	27	27.4	26	25	29	18.7	91	95	69	66	69	79	------
10	62.50	62.34	63.55	61.54	61.19	62.27	25.1	25.2	26.6	26.7	26	25.4	27.4	24.2	77	76	72	71	75	77	1.3
11	61.36	61.49	63.18	61.53	61.80	62.87	25.2	24.9	25	26.4	26	25.2	27.5	24	77	80	83	76	76	82	------
12	61.85	61.89	62.73	60.17	60.12	61.70	25	24.9	25.2	28.5	26.3	25.5	28.8	24.3	83	79	82	67	77	78	3.3
13	61.04	60.95	61.50	59.15	59.47	60.70	24.3	24	27.6	28.1	26.5	25.7	30.2	23	83	83	69	63	76	78	------
14	59.93	60.05	61.25	58.82	58.67	60.59	25	24.9	28.3	29	26.5	25.8	29.6	24.4	80	80	68	64	73	74	------
15	60	59.56	61.04	58.98	59.97	61.60	25.7	25.8	27	27.3	25	24.8	28.3	24	78	78	76	82	92	92	4.9
16	61.03	60.23	61.49	59.38	59.44	60.90	25	24.5	26.5	27	26.4	26	28.7	23.9	90	94	84	83	85	87	5.1
17	60.13	60.17	61.58	59.37	59.60	60.64	25	25	26.7	27	26.2	26	27.5	24.5	92	92	86	84	89	88	------
18	60	60.17	62.04	60.54	61.07	62.04	25.7	25.5	26.5	26	25	25.8	27.7	24.4	88	89	85	91	92	84	2.3
19	61.40	62.04	63.44	61.92	62	63.40	25.6	25.9	27.2	27.5	26.3	26	28.4	24.7	84	80	75	74	76	78	2.5
20	62.77	62.50	63.37	61.74	62.11	63.95	25.6	25.7	26	25.8	24.5	23.5	26.5	23	77	76	76	76	85	90	3.6
21	62.96	62.55	63.35	61.24	61.23	62.16	23.9	24.3	24.9	25	25.3	24.7	26.7	22.9	88	89	88	91	87	86	6.4
22	61.79	62.46	62.99	60.48	60.29	62.01	22.6	21	25.5	27.5	27	25.9	29.3	20.4	88	94	85	73	73	78	1.5
23	61.79	61.53	62.77	60.58	60.94	62.03	24.5	25	25.7	26.4	25.7	25	27.2	24	89	85	84	84	85	89	1.6
24	61	61.09	61.34	59.14	59.64	60.82	25.2	24.7	28	28.5	26.5	25.7	29.7	24	83	88	72	74	79	78	------
25	60.53	61.19	62.54	60.48	60.52	61.58	25	24.7	28.5	28	27	26	30.5	24.2	82	84	68	72	75	78	------
26	60.11	60.79	62.18	59.64	60.61	61.87	24.7	24.6	28.4	27.4	26.5	26	31.4	24.1	84	85	71	73	78	78	------
27	60.74	60.69	61.78	59.67	59.69	60.65	25	24.5	29	27.9	26.6	25.9	29.9	24.1	82	83	68	74	80	85	------
28	59.81	60.57	61.52	58.81	58.88	60.64	25.4	21.9	28.5	27.6	26.8	26.1	30.5	21.5	84	96	70	73	74	79	------
29	59.87	60.03	61.48	59.33	59.17	61.10	25.8	25.2	29.9	30	27	25.9	30.6	24.7	79	82	65	67	77	79	------
Mean	61.61	61.78	62.94	60.78	61.06	62.36	24.6	24.2	26.7	27.1	26	25.4	28.6	23.3	83.2	85	76.7	75.8	78.8	80.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	54.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	N	E	NW	NE	N	116.2	66.8	96.6	90.1	369.7	10	----------	N. NE	6	A.-Cu. ENE	Cu.
2	N	NE	NE	NE	NE	NE	118.9	140.5	155.6	161.4	576.4	10	Ci.	S.-Cu. NE	10	Ci.	N. NE
3	NE	NE	NE	NW	NE	NNE	144.3	161.9	166.8	145.6	618.6	8	Ci.	S.-Cu. NE	7	Ci.-Cu.	S.-Cu. NE
4	N	N	N	N	N	NE	156.9	152.1	180	124.4	613.4	5	Ci.	S.-Cu. N	4	----------	Cu. NE
5	NE	E	E	E	NE	NE	61.4	77	108.3	98.2	344.9	9	A.-Cu. ENE	S.-Cu. NE	10	A.-Cu.	S.-Cu. NE
6	NE	E	N	Calm	NE	NE	54.7	42.8	110	134.7	342.2	10	A.-Cu. E	S.-Cu. NE	9	A.-Cu. ENE	S.-Cu. NE
7	E	SW	E	NE	NE	NE	52.5	47	122.1	126.6	348.2	4	Ci. S	Cu.	5	A.-Cu. E	Cu. E
8	SW	SW	Calm	N	N	E	52.9	38.4	122.8	124.9	339	2	Ci.	S.	5	Ci., A.-Cu. E	Cu. NE
9	SW	SW	NE	N	N	NE	49.9	68.9	140.2	100.3	359.3	3	Ci.	S.	4	Ci. SSE	Cu. NE
10	N	N	N	NNE	NE	NE	130.2	139.8	155	112.3	537.3	10	A.-Cu. E	S.-Cu. NE	10	A.-Cu. ENE	S.-Cu. NE
11	N	N	N	N	NE	N	100.3	122.9	163.6	125.8	512.6	8	Ci.	S.-Cu. NE	10	A.-Cu.	S.-Cu. NE
12	N	NE	NE	NE	NE	NE	138.9	141	177.2	114.9	572	8	A.-S.	S.-Cu. NE	2	----------	Fr.-Cu. ENE
13	NE	N	E	N	NNE	NE	66.6	46.7	123.7	98.8	335.8	9	A.-Cu. ENE	S.-Cu. ENE	2	----------	Cu. ENE
14	NE	NE	NNE	N	N	N	83.2	103.2	122.9	96.9	406.2	2	Ci.	S.-Cu. NE	8	A.-Cu. NE	Cu. NE
15	N	N	N	N	N	N	146.4	149.7	156.7	155.1	607.9	5	Ci.	S.-Cu. ENE	8	Ci.	S.-Cu., Cu. NE
16	N	NNE	N	NW	N	N	118.8	106.5	124.4	95.6	445.3	10	A.-Cu.	N. ENE	10	----------	S.-Cu. NE
17	N	NW	NW	NW	N	N	73.2	105.4	156.3	105.1	440	10	Ci.	S.-cu., N. NE	7	A.-Cu. NE	Cu. NE
18	NE	N	N	N	NNE	NE	76.2	111	197.4	165.9	550.5	9	A.-Cu.	S. Cu., N. ENE	10	Ci.	N. NE
19	NNE	NNE	N	NNE	NNE	NNE	225.1	239.5	295.8	301.4	1061.8	5	A.-Cu. NE	S.-Cu. ENE	6	Ci.-Cu.	S.-Cu. NE
20	NE	NNE	NE	NE	NE	NE	305.2	324.5	300.9	252	1182.6	8	A.-Cu.	N., S.-Cu. ENE	10	----------	N. NE
21	NE	NE	NE	NNE	NE	Calm	193.1	131.4	163.1	76.9	564.5	10	----------	N. NE	10	----------	N. NE
22	W	SW	NNW	NNW	N	N	48.1	51.3	90.7	48.5	238.6	2	Ci.	S. EbyN	4	A.-Cu. SE	S.-Cu. SE
23	N	N	NE	NNE	N	N	68.2	116.7	132.2	134.1	451.2	10	Ci.	S.-Cu. NE	10	Ci.	N. NE
24	N	E	E	NNE	NE	N	57.4	35.9	174.8	119.4	387.5	10	Ci.	S.-Cu. ENE	7	----------	Cu. NE
25	E	NE	NE	NE	NNE	E	93	100.9	145.4	113.8	453.1	3	Ci.	S. NE	6	A.-Cu. NE	Cu. NE
26	NE	E	E	NW	NE	NE	51.7	36.7	116.5	117.8	322.7	4	Ci. SSW	S. NE	4	A.-Cu. NE	Cu. NE
27	ENE	E	NE	NE	NE	NE	65.2	101.1	181.5	97.2	445	3	Ci.	Cu. NE	8	A.-Cu. E	S.-Cu. NE
28	NE	W	Calm	NNW	N	NE	43.7	36	133.1	127.4	340.2	3	Ci.	S.	4	A.-S.	Cu. N
29	NE	NE	NE	NE	NNE	NE	113.3	61.4	163.8	118.1	456.6	3	Ci.	Cu.	8	A.-Cu. NE	Cu. NE
Mean	------	------	------	------	------	------	103.6	105.4	154.4	127	490.5	6.7	----------	----------	7	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	14,223.1	----	----------	----------	----	----------	----------

ATIMONAN.

[$\phi = 14°\ 00'$ N; $\lambda = 121°\ 55'$ E; barometer above sea, 4.1 meters; gravity correction not applied, —1.74 mm.]

MARCH, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.77	60.09	61.88	60.32	59.83	61.80	24.9	25.2	26.7	29	26.7	26	29.7	24.4	84	82	80	70	80	80	------
2	60.88	61.54	63.19	61.18	61.24	62.38	25.4	25.1	28	27.7	26.2	25.4	29.1	24.7	79	78	69	75	76	87	0.6
3	61.64	61.78	63.53	61.56	61.28	62.04	25.4	25.3	30.4	28	26.7	25.9	31.4	24.7	84	85	69	76	83	82	------
4	61.40	61.82	63.27	60.82	60.63	61.70	23	20.9	27.4	29.5	26.7	25.9	30.4	20.4	90	96	70	68	73	77	------
5	60.63	60.74	62.15	60.33	60.58	62.04	25.4	25.2	28.6	27	26.5	26	29.5	24.7	82	83	66	73	79	83	------
6	60.70	61.24	62.53	60.23	60.57	61.79	26	25.3	30	30.2	27.4	26.4	31.2	23.6	76	79	69	67	80	81	------
7	60.78	61.47	62.84	60.67	61.29	62.29	25.5	22.7	27.5	30	26.6	26.5	31.5	22.3	80	93	73	68	77	80	------
8	61.30	61.69	63.17	61.10	61.46	62.41	26.7	24	27.9	29	27.3	27	31.9	23.4	79	91	74	67	79	83	------
9	62.37	62.71	63.84	61.72	60.81	62.49	25.6	22.9	29	28.9	27.4	25.8	30.7	22.4	83	97	72	71	76	75	------
10	62.01	62.57	63.61	61.14	60.64	61.62	21.4	20	29	27.9	27	25.6	31.2	19.6	89	95	60	67	73	76	------
11	60.54	60.32	61.50	59.57	59.01	60.09	23.4	21	27.2	28	27	22.9	29.2	20.4	88	93	68	69	70	87	------
12	58.63	58.70	59.79	57.56	57.41	59.22	21.5	20.6	28.6	29	29	24.5	33.7	20.2	94	94	76	70	67	87	------
13	58.07	58.66	60.03	58.10	57.98	59.83	22.7	22	30	29.9	28.8	25.2	31.5	21.4	92	95	75	70	75	88	------
14	59.26	59.42	61.31	59.26	59.32	60.84	23.7	24	28.2	29.7	28.4	27	31.2	22.9	95	91	76	70	76	81	------
15	60.08	60.27	61.91	59.93	60.17	60.82	24.3	22.7	30.5	28.9	27.7	26.8	32.7	22.3	91	97	68	71	76	80	------
16	59.95	60.66	62.02	59.96	59.93	61.35	23.5	22.9	29.5	28.6	27.2	26.2	30.7	22.3	93	95	67	61	70	76	------
17	60.34	61.35	63.09	60.56	60.13	62.14	22.3	21.5	27.2	28	27.3	26	30.4	21.1	91	95	65	59	68	76	------
18	61.77	61.88	63.26	61.15	61.58	63.14	25.4	25.5	30	30.2	26.2	25.8	32.4	23	80	80	62	62	78	78	7.4
19	62.20	62.70	64.24	61.96	62.04	63.11	25	22.9	23.9	24.8	24.1	25.8	25.8	22.1	80	89	92	88	95	81	9.6
20	61.91	62.01	63.24	60.98	61.40	63.15	25.5	25.4	27.4	29.9	24.3	25	30.5	23.3	80	80	74	71	89	88	4.3
21	61.84	62.59	63.78	61.53	61.89	63.78	22.1	21.2	27.8	28.8	27.3	26.7	29.9	20.6	93	98	74	69	80	81	------
22	62.83	62.94	63.99	61.52	61.73	63.23	26.1	26	29.7	30	27.4	26.8	31.8	25.4	82	80	69	68	78	78	------
23	61.93	62.27	63.48	61.11	60.86	62.03	26	25.9	29	29.9	27.3	26.4	31.1	25.5	80	80	71	70	81	82	------
24	61.25	62.05	63.12	61.18	62.09	63.12	23.9	22.3	29.5	29.1	27.2	27	30.9	21.7	93	97	74	70	82	83	------
25	62.64	62.93	63.76	61.32	61.52	63.02	26	24.9	30.6	29.4	28	26.8	31.6	23.8	84	87	67	66	73	80	------
26	62.05	62.87	63.68	61.18	61.44	63.05	23.6	21.3	28	28.9	26.4	26.6	32	21	86	95	62	70	77	79	------
27	62.02	62.29	63.55	61.20	61.36	62.77	26.3	23.4	29	30.4	27.4	26.7	32	23	74	88	64	65	77	79	------
28	61.04	61.55	63.19	60.71	60.79	62.33	26.2	26.3	29.2	29	27.4	26.9	31.3	25.7	82	82	64	70	81	82	------
29	61.37	61.67	63.06	60.97	61.41	62.79	26	22.8	30	30	27.9	26.8	31.6	22.5	79	93	67	71	78	78	------
30	61.80	61.92	63.11	60.90	61.46	63.25	26.2	26	30.1	31	27.8	27	32	25.5	81	80	65	62	78	78	------
31	61.87	61.70	62.99	61.11	61.56	62.83	26.1	26.1	30.1	29.2	27	26	31.3	25	82	82	65	70	83	80	3.8
Mean	61.12	61.50	62.84	60.67	60.76	62.14	24.7	23.6	28.7	29	27.1	26.1	31	22.9	84.7	88.7	69.9	69.2	77.7	80.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	25.7

Day.	Wind.											Clouds.						
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.			
												Amount.	Form and direction.		Amount.	Form and direction.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.	
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*			
1	NE	NE	NW	NNE	NE	NE	82.1	85.5	172.4	169.2	509.2	4	Ci.	S.-Cu. NE	7	A.-Cu. E	Cu.	NE
2	NE	E	NE	N	NE	NE	111.3	121.8	192	-----	-------	3	Ci. S	S.-Cu. NE	5	A.-Cu. ENE	Fr.-Cu.	NNE
3	NE	NE	NE	NW	N	NE	-----	78.6	164.7	115.7	-------	9	Ci.	S.-Cu. NE	7	A.-Cu. E	Cu.	NE
4	Calm	SW	N	NW	NE	NE	47.8	35.1	164.6	122.8	370.3	7	Ci. SSE	Cu.	4	Ci.	Cu.	NE
5	NE	E	NE	N	NE	NE	98	102.5	183.2	104.9	488.6	4	Ci.	S.-Cu. NE	7	Ci.	Cu.	NE
6	NE	Calm	NE	N	NE	NE	68.1	42.8	126.1	107.8	344.8	2	Ci.	Cu.	7	Ci.	Cu.	NE
7	Calm	NE	N	NE	NE	NE	29.2	42.6	167	107.8	346.6	2	Ci.	S.	10	Ci.	S.-Cu.	NE
8	NE	W	N	NW	N	NE	48.1	32.7	119.1	88.8	288.7	3	Ci.	S. NE	6	A.-S.	Cu., Cu.-N.	SE
9	Calm	W	NE	NW	NE	NE	37.6	42	158.7	111.2	349.5	6	A.-Cu. ENE	Cu.	3	Ci.	Cu.	
10	SW	W	NE	N	NE	NE	61.2	38.1	143.8	90.9	334	2	Ci.	S.	3	Ci.	Cu.	NE
11	NE	W	NE	NW	NW	SW	63.8	68.6	91.2	56.6	280.2	3	Ci.	S.-Cu. NE	3	Ci.	Cu.	
12	SW	SW	E	N	Calm	SW	85.8	49.6	43.1	52.3	230.8	1	Ci.	S.	3	Ci.	Cu.	S
13	SW	SW	NE	NW	NE	W	78.1	49.3	85.5	39.6	252.5	7	Ci.	S.	4	Ci.	Cu.	S
14	W	Calm	N	N	NNE	E	46.5	47	101.6	58.5	253.6	5	Ci.	S.-Cu. NE	4	Ci.	Cu.	
15	SW	SW	NE	NNW	NNE	NE	57.6	56	125.3	53.4	292.3	7	Ci.	S.-Cu.	4	Ci. SW	Cu.	
16	SW	SW	E	NNW	N	SW	57.4	48.8	137.3	54.9	298.4	8	Ci.	S.-Cu. ENE	3	Ci. S	Cu.	
17	SW	SW	N	N	NE	NE	54.5	50.7	140.8	105.7	351.7	9	Ci.-S.	S.-Cu. NE	3	Ci.	Cu.	NE
18	E	NE	Calm	NE	NE	NE	84.8	49.7	176.4	215.3	526.2	2	Ci.	S.-Cu. NE	9	A.-Cu. NE	Cu.	NE
19	NE	NE	E	NE	NE	NE	160.6	147.6	190.9	137.1	636.2	10	----------	Fr.-N. NE	10	Ci.	N.	NE
20	NE	E	E	NW	SW	NE	138.6	50.2	85	51	324.8	7	Ci.	S.-Cu. E	6	A.-Cu. E	Cu.	NE
21	NE	SW	N	N	NE	E	51.3	51.5	163.6	142.1	408.5	1	Ci.	S.-Cu.	4	Ci.	Cu.	NE
22	ENE	NE	Calm	NE	NE	NE	80.5	52	224.3	135.4	492.2	8	A.-Cu. ENE	S.-Cu. NE	7	A.-Cu. E	Cu.	NE
23	NE	NE	NE	NE	NE	NE	81.5	103.8	214.2	113	512.5	9	Ci.	S.-Cu. E	4	Ci.	Cu.	NE
24	SW	SW	Calm	N	N	NE	50.2	38.8	131.4	104.9	325.3	1	Ci.	S.	4	----------	Cu.	SE
25	NE	Calm	NE	N	NE	NE	55	44.3	143.4	127.3	370	3	A.-Cu. E	Cu.	4	A.-S.	Cu.	E
26	NE	SW	Calm	NE	ENE	NE	54.1	37.8	127.9	100	319.8	0	Ci.	S.	9	A.-Cu. E	S.-Cu.	E
27	NE	Calm	N	N	N	NE	72.9	41.6	158.5	113.7	386.7	1	----------	S.	2	----------	Cu.	NE
28	NE	NE	E	N	N	NE	95.6	52	107.5	105.1	360.2	5	Ci.	S.-Cu. NE	5	----------	Cu.	N
29	NE	NW	Calm	N	NE	NE	35.1	41	163.5	155.8	395.4	7	A.-Cu. E	S.-Cu. NE	4	----------	Cu.	NE
30	NE	NE	Calm	NE	NE	NE	92.5	55.2	185.2	140.3	473.2	7	A.-Cu. E	Cu.	4	Ci.-Cu.	Cu.	E
31	E	NE	NE	NE	N	NE	100.4	145.8	214.8	165.9	626.9	7	A.-Cu. ENE	S.-Cu. E	6	A.-Cu. E	Cu.	NE
Mean	------	------	------	------	------	------	72.7	61.4	148.5	108.2	384.5	4.8	----------	----------	5.2	----------	----------	

ATIMONAN.

[ϕ=14° 00′ N; λ=121° 55′ E; barometer above sea, 4.1 meters; gravity correction not applied, —1.74 mm.]

APRIL, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	61.50	61.66	62.68	60.69	60.59	62.13	23.5	23	27.6	29.4	27	26.5	30.2	22.5	89	86	76	67	75	80	------
2	61.09	61.67	62.61	60.54	60.82	62.68	26	25.5	29.7	29	27.1	26.5	31.2	25	81	86	65	74	79	80	------
3	61.25	61.57	62.77	60.53	60.84	61.84	25.6	25.6	30	29	26.4	26.3	31	25.3	80	79	64	65	76	76	------
4	60.58	60.60	61.86	59.38	59.66	61.39	25.8	25.7	29	30	27.5	27	31	25.2	78	78	69	67	77	79	------
5	60.59	60.05	61.22	59.61	59.92	61.23	26.2	26	29	29.2	28	27	31	25.3	81	81	64	69	73	80	------
6	60.24	60.39	61.88	60.07	59.88	61.52	26.4	26.4	27.5	28.5	28	27	30.3	24.3	82	80	79	77	77	80	0.5
7	60.65	60.78	62.59	60.30	60.20	61.92	26.5	26.4	30.8	31	28	27.3	32	24.8	84	83	63	62	73	76	.5
8	60.62	60.55	62.33	60.31	60.67	62.01	26.9	26.8	30	30.4	28.1	27	32	26.3	79	78	67	56	76	83	------
9	60.78	61.04	62.13	60.43	60.77	62.26	26.7	26.6	30.9	28.7	28.5	27.1	31.7	26.4	83	83	64	73	73	80	------
10	61.64	62.25	63.39	61.36	61.51	63.39	26.9	26.6	30	31.4	28	27.2	32.2	26.1	81	82	71	63	74	79	------
11	61.98	62.35	63.38	61.55	61.92	63.87	27	26.5	31.5	31	28.5	27.3	32.2	26.2	82	83	62	62	76	84	3.8
12	63.05	62.63	63.63	62.21	62.39	64.29	27	27.1	30	28.3	27.5	27	31	25.5	81	82	71	72	73	75	------
13	63.84	63.77	64.87	62.86	62.54	64.22	26.5	25.8	30.6	31.4	27.7	27.4	32	25.4	74	78	62	63	79	81	------
14	63.84	63.42	64.37	61.77	61.20	63.17	26.4	26.1	30.4	30.7	28.1	27	31.5	25.3	79	79	64	67	78	80	------
15	62	62.27	63.15	60.55	60.84	62.53	26	22.4	28.3	29	27.6	27	31.1	21.9	82	94	64	68	76	80	.8
16	61.13	61.31	62.53	60.85	61.13	62.48	25.9	22.6	28.6	30.4	27.6	26.7	32.7	22.2	72	94	66	62	72	74	------
17	61.29	61.77	62.37	60.56	60.86	62.43	23.9	23	30.4	30	27.4	27	32.2	22.3	87	90	61	57	73	73	------
18	62.03	61.80	62.26	60.31	60.15	61.52	26	23	29	28.5	27.9	26.8	30.7	22.5	76	90	67	60	73	78	------
19	61.21	61.14	61.81	59.66	59.63	61.37	23.2	22.5	28	29	27.9	27.2	30.2	22.1	91	94	74	73	74	79	.3
20	60.17	60.33	61.71	59.56	59.46	61.36	26.5	24.7	30	30	28.7	27.3	32.5	24.2	84	93	67	68	79	81	------
21	60.50	60.59	61.29	59.68	59.66	61.67	26.4	26.2	29	31.7	28.6	27.6	32.3	25.7	82	79	67	62	74	78	------
22	60.42	60.45	61.37	59.60	59.59	60.56	26.9	26.8	30.8	30.1	28.2	27.9	31.5	26.1	81	81	69	72	80	81	------
23	59.90	60.36	60.83	58.85	59.08	60.44	26.9	23.2	30.8	30.6	28.5	28	31.5	22.8	81	93	60	67	79	79	------
24	59.72	60.07	60.43	58.68	58.93	60.33	26.8	26.8	29	29.6	28.5	28	31	24.1	89	81	68	66	78	71	------
25	58.79	59.77	60.51	58.92	59.02	60.39	26.6	24.4	29.6	29.6	28.7	27.8	31.4	23.8	79	87	63	62	73	79	------
26	59.71	59.98	61.08	58.95	58.71	60.72	27.2	26.8	29.9	29.6	28.6	27	31.9	26.3	82	79	65	66	71	76	------
27	60.35	60.54	61.60	59.57	59.73	61.24	26.3	26.5	29.7	31.2	28.8	27.8	32	25.7	79	76	65	61	72	78	.3
28	60.08	60.54	61.36	59.51	58.56	60.47	26.8	25.8	29	30.6	28.4	27.4	31.6	25.1	82	88	69	63	73	80	3.8
29	59.06	59.49	60.40	57.81	57.78	59.49	27	25.4	30.6	29.8	29	27.5	32	25	83	93	73	72	77	84	------
30	57.90	58.34	59.02	56.86	57.01	58.63	25.7	25.4	31.4	30.7	29	26.4	33	25	91	93	66	73	70	84	------
Mean	60.86	61.05	62.05	60.05	60.10	61.72	26.2	25.3	29.7	29.9	28.1	27.2	31.6	24.6	81.8	84.8	66.8	66.3	75.1	78.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	10

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	ENE	SE	NE	NNE	NE	NE	112.7	69.7	205.2	127.9	515.5	9	A.-Cu. ENE	S.-Cu. NE	4	Ci.	Cu. NE
2	NE	NE	NE	N	NE	NE	84.5	82.6	171.2	93.5	431.8	6	A.-S.	S.-Cu. NE	7	A.-Cu. E	Cu. NE
3	NE	NE	NE	N	NE	NE	78.9	81.6	171.6	133.9	466	1	----------	Cu.	5	A.-Cu. ENE	Cu. NE
4	NE	NE	Calm	N	NE	NE	86.6	64.9	183.1	128.7	463.3	1	Ci.	Cu.	9	A.-Cu. NE	Cu. NE
5	NE	NE	N	N	N	NNE	71.9	77.9	144.2	115.9	409.9	1	----------	Cu.	3	Ci.	Cu. N
6	NE	N	NW	N	NE	NE	99.6	85.1	171.6	128.1	484.4	9	Ci. SSW	S.-Cu. NE	5	Ci. S	Cu. NE
7	NE	NNE	NE	N	NE	ENE	130.2	78.9	155.3	127.6	492	5	Ci.	S.-Cu. NE	2	Ci.	Cu.
8	ENE	E	NE	N	NE	NE	94.1	113.3	143.2	120.9	471.5	7	A.-Cu. E	S.-Cu. NE	2	Ci.	Cu.
9	NNE	NE	NE	N	NE	NE	112.7	101.6	123.6	75.1	413	6	A.-Cu. E	S.-Cu. NE	5	Ci.	Cu.
10	NNE	N	NE	NE	NE	NE	115.3	117	112.4	90.9	435.6	9	Ci. ENE	S.-Cu. NE	2	Ci.	Cu.
11	NE	E	NE	NE	NE	NE	97.4	93.5	169.2	161.9	522	4	Ci.	S.-Cu. NE	3	----------	Cu. NE
12	NE	NE	NE	E	Calm	NE	164.1	114.6	76.4	62.2	417.3	7	Ci.	S.-Cu. NE	9	A.-Cu. E	S.-Cu. NE
13	E	E	Calm	NE	NE	NE	85.5	51.2	149.4	149.2	435.3	7	A.-Cu. E	S.	8	A.-Cu. E	Cu. NE
14	NE	NE	NE	N	NE	NE	76.2	72.4	124.2	129.8	402.6	9	A.-Cu. E	S.-Cu. E	8	A.-Cu. NE	Cu. NE
15	NE	W	N	N	NE	NE	52	50.4	169.2	145.9	417.5	1	Ci.	S.	5	A.-Cu. E	Cu. NE
16	NE	W	N	N	NNE	NE	41.2	39.9	157.2	82.3	320.6	1	Ci.	Cu. NE	8	A.-Cu. E	Cu. NE
17	W	SW	SE	N	N	NE	49.3	36.7	157.5	110.2	353.7	1	Ci.	Cu.	3	----------	Cu. E
18	NE	SW	NE	N	NE	NE	52.6	57.7	136.8	59.7	306.8	1	A.-S.	Cu.	2	Ci.-Cu.	Cu.
19	SW	SW	N	NW	N	NE	63.9	66.3	146.4	96.3	372.9	1	----------	Cu.	4	----------	Cu. NE
20	NE	SW	Calm	NW	N	NE	42.1	36.2	113.3	96.8	288.4	1	Ci.	S.	7	A.-Cu. ENE	Cu.
21	NE	E	N	NE	NE	NE	51.7	44.9	190.2	142.9	429.7	1	----------	Cu. NE	3	----------	Cu. NE
22	NE	NE	NE	N	NE	NE	90.9	104.6	169.8	113.3	478.6	1	----------	Cu. NE	9	A.-Cu. E	S.-Cu. E
23	E	SW	NE	N	N	NE	55.8	54.7	145.9	129.8	386.2	0	----------	S.	3	----------	Cu. SE
24	NE	NE	N	N	N	NE	39.1	54.9	121.7	113.3	329	1	----------	Cu.	2	----------	Cu. NE
25	Calm	SW	N	N	N	NE	32	41	120.2	107.6	300.8	4	Ci.-Cu. ENE	Cu.	3	Ci.	Cu. NE
26	NE	E	E	NNW	NE	NE	81.9	38.6	156.1	146.6	423.2	6	Ci.	Cu. NE	1	----------	Cu.
27	NE	E	NE	N	NE	NE	100.8	122.6	182.4	128.2	534	1	----------	Cu.	1	Ci.	Cu.
28	N	N	NE	NE	NE	NE	107.6	105.7	135.8	118	467.1	10	Ci.	S.-Cu. NE	9	A.-Cu. E	Cu. NE
29	SE	W	E	N	N	Calm	37.6	37.2	96.1	47.8	218.7	9	Ci.-Cu. E	S.-Cu. SE	5	Ci.	Cu. NE
30	SW	SW	E	N	N	SW	42.9	55.5	98	54.2	250.6	7	A.-Cu. E	Cu.	4	Ci.	Cu. SE
Mean	------	------	------	------	------	------	78.4	71.7	146.6	111.3	407.9	4.2	----------	----------	4.7	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	12,238	----	----------	----------	----	----------	----------

ATIMONAN.

[$\phi = 14°\ 00'$ N; $\lambda = 121°\ 55'$ E; barometer above sea, 4.1 meters; gravity correction not applied, −1.74 mm.]

MAY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.97	58.12	59.02	57.21	56.97	59.14	25	24.4	31.4	30.4	29.2	28.4	32.5	24	92	93	63	68	70	76	------
2	58.15	58.68	59.68	58.21	58.70	61.02	27.5	26.3	29.5	30.2	29	28	32	25.6	80	85	68	66	71	74	------
3	60.12	60.67	61.54	59.84	59.95	61.84	26.9	26	29.8	31.2	29	28	32	25.7	79	83	68	64	68	77	------
4	60.64	60.88	61.62	59.36	59.07	60.56	27.4	27.6	31	31.4	29.2	27.6	32.4	26.9	81	80	62	62	68	76	------
5	59.41	59.89	60.60	58.17	57.89	59.41	24.9	23.1	30.9	31	29.8	25.7	32.3	22.5	92	90	63	58	63	78	------
6	58.43	58.76	59.18	56.78	57.45	59.28	24.4	23.4	32.2	34	30.5	27.3	35.8	22.8	84	88	49	56	61	74	------
7	58.69	59.05	59.27	57.72	57.72	59.20	25.9	25.3	30.1	30.1	29.6	27.2	33.2	24.4	85	86	73	74	74	86	------
8	58.51	58.94	60.47	58.45	58	59.36	26.7	25.9	27.9	29	29.2	26.3	31.1	25.2	80	81	77	71	76	86	------
9	58.50	58.55	59.11	57.65	58.99	59.92	25.9	25.4	30	29	26.9	27.7	31.4	24.8	85	90	70	75	85	85	29.5
10	59.23	59.70	60.67	59.08	59.86	61.16	27.6	24.7	29.9	30.8	29.1	28	32.3	24.1	76	90	63	63	67	76	------
11	60.22	60.58	61.02	59.26	59.18	60.59	27.9	28	31	31	29.4	28.5	33	26.7	78	77	64	65	72	78	------
12	59.22	59.57	60.15	58.24	58	59.55	27.8	25.7	31.6	30.4	30	26.2	33	24.8	79	86	64	64	69	83	------
13	58.98	59.07	59.47	56.99	56.93	58.78	25	24.5	31.7	33.8	31	26.8	35.4	23.5	90	89	70	58	62	82	------
14	58.69	58.46	59.57	57.37	57.13	59.32	25.8	25.5	31.8	33	32.1	27.4	36.5	24.4	87	88	60	55	53	77	------
15	58.37	58.49	59.55	57.39	57.45	59.40	25.9	25.6	32	33.5	31	28.6	35.5	24.5	88	87	60	52	61	77	------
16	58.14	58.30	59.16	57.20	57.30	58.71	26.7	26	32	35	30.7	28.3	36	25	90	94	56	43	62	77	------
17	57.64	58.21	59.26	57.18	57.32	59.44	26.4	25.2	31	32.9	30	27.2	35	24.4	86	86	71	65	71	83	------
18	58.37	58.46	60.01	58.53	58.34	59.57	26	25.2	32	32.9	31.1	29.4	33.6	24.5	89	93	70	66	71	71	------
19	58.92	58.99	59.53	58.29	57.97	58.84	28.3	28.5	30.1	31.7	29.7	29.1	32.3	27.6	78	78	66	66	77	81	------
20	58.02	58.33	58.67	56.88	56.88	58.11	28.5	28.6	32.2	31.9	29.7	27.9	33	26.4	80	79	64	70	80	81	------
21	57.75	58.42	58.87	56.93	57.87	59.52	26	25.5	31.8	32.4	29.9	27.3	33.4	24.7	92	92	70	64	71	82	.3
22	58.74	58.30	59.19	57.21	57.94	59.07	26	25.2	31.9	32.1	27.9	27	34.4	24.5	85	88	67	62	79	87	------
23	58.40	58.39	59.57	57.49	57.66	59.45	26.5	26	27	30	29.3	27	32.2	25.2	88	90	84	77	78	88	1.5
24	58.16	58.12	58.61	56.45	57.23	58.42	25.5	24.9	29.5	31.6	30	27	32.4	24.1	88	91	75	65	72	84	------
25	57.76	57.84	57.95	55.79	55.57	58.08	26	25.5	31.3	31	30.8	26	32.6	24.8	92	91	71	71	69	88	3.8
26	56.94	56.68	58.07	55.89	56.74	58	25.9	25.1	31.2	34	28.8	26.2	34.8	24.4	91	93	67	60	80	92	------
27	57.02	56.75	57.82	55.96	56.79	59.54	25.5	24.3	32.5	32.2	31.6	26.2	34.4	23.8	88	92	66	58	63	90	20.3
28	57.94	58.15	59.07	57.84	58.25	59.80	25.3	24.2	30.8	28.4	30.1	25.2	33.4	23.8	91	96	73	87	79	92	1.8
29	59	58.86	59.72	58.22	58.07	59.26	25.2	25.1	31.4	31.3	31.2	28.9	32.4	24.7	93	95	73	68	70	78	------
30	58.69	58.89	59.61	57.58	57.10	58.78	26.4	25.5	30.4	33.8	31	27.5	35.3	25.3	94	94	74	60	72	88	------
31	58.28	58.19	58.95	56.88	57.51	58.77	26.5	25.6	32.4	34.9	30.6	27.6	36.2	25.3	92	94	70	61	71	88	------
Mean	58.55	58.72	59.52	57.61	57.80	59.42	26.3	25.5	30.9	31.8	29.9	27.4	33.5	24.8	86.2	88.4	67.5	64.3	70.5	81.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	57.2

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	SW	NE	NW	N	N	42.8	54.7	124.1	75.4	297	5	A.-Cu.	NE	Cu. NE	4	Ci. SE	Cu. NE
2	N	Calm	N	N	NE	NE	47.2	55.3	146.4	123.1	372	4	Ci.		Cu. NE	3	Ci.	Cu. NE
3	NE	Calm	N	N	N	N	80.2	49.3	136	98.8	364.3	1	Ci.		Cu.	4	Ci. S	Cu.
4	N	NE	NE	NW	N	NE	79.4	67.1	130.2	80.7	357.4	8	A.-Cu.	NE	Cu. NE	1	Ci.	Cu.
5	Calm	SW	E	NW	NE	SW	42.3	46.7	109.2	52.1	250.3	1	Ci.		Cu.	2	Ci.	Cu.
6	SW	SW	SW	NE	SW	SW	78.9	56.8	65.7	64.9	266.3	4	Ci.		S.	4	Ci.	Cu.
7	SW	SW	NE	NW	N	SW	48.5	46.9	56.6	43.3	195.3	4	Ci.		Cu.	8	A.-Cu. NE	Cu.-N.
8	SW	Calm	E	E	Calm	SW	53.3	45.9	46.5	43	188.7	10	Ci.		S.-Cu. SW	10	Ci.-Cu.	S.-Cu. SE
9	SW	Calm	N	NNW	W	NE	43.5	56	89.3	90.1	278.9	8	Ci.		S.-Cu. NE	9	A.-Cu. E	S.-Cu. NE
10	E	SW	E	NW	NE	NE	67	36.8	138.4	125.2	367.4	4	Ci.	NE	Cu. NE	3	Ci.	Cu. E
11	E	E	E	NE	N	NE	95.5	42.6	119.7	112.5	370.3	1	Ci.		Cu. NE	8	A.-Cu. E	Cu. E
12	NE	SW	E	N	NE	W	64.2	50.7	100.9	63.9	279.7	4	A.-Cu.	E	Cu.	3	Ci.	Cu. E
13	SW	SW	NNE	NE	SW	SW	69.7	42.8	43.5	58.7	214.7	1	Ci.		Cu.	3	Ci.	Cu. SE
14	SW	SW	SW	N	SW	SW	59.3	51.7	48.6	51.2	210.8	4	Ci.		Cu.	4	Ci. NNE	Cu.
15	SW	SW	SW	SW	SSW	SW	56	54.2	74.8	53.1	238.1	7	Ci.	NW	Cu.	5	Ci. NE	Cu.
16	SW	SW	SW	SW	SW	SW	48.37	56.6	77.7	71.3	253.9	7	Ci.	NNE	Cu. S	6	Ci. N	Cu.
17	SW	SW	NE	S	SW	SW	62.2	46.9	46.7	52.6	208.4	8	Ci.	E	----------	8	Ci.-S.	Cu.-N.
18	SW	SW	NE	NW	NE	NE	62.3	39.6	108.8	112.1	322.8	4	Ci.		S.-Cu. S	4	Ci.	cu.-n., cu. se
19	NE	NE	NNW	N	NbyE	NE	93.5	92	140.8	93	419.3	3	Ci.		Cu. NE	4	Ci.	Cu.-N.
20	NE	E	NE	NW	E	Calm	73.4	51.2	110.4	30	265	9	A.-Cu.		Cu. NE	5	Ci. N	Cu.
21	SW	SW	NE	NE	S	SW	55.2	38	62.6	33	188.8	7	A.-Cu.	NE	S.-Cu. S	8	A.-Cu. NE	Cu. NE
22	SW	SW	NE	N	SW	SW	52	33	57.9	41.2	184.1	10	Ci.-S.		----------	9	Ci.-S. ENE	N. SSE
23	SW	SW	S	E	Calm	SW	48.3	34.6	27.2	49.3	159.4	7	A.-Cu.	E	Cu.-N.	9	Ci.-S.	Cu.-N.
24	Calm	SW	N	NW	N	SW	59.3	44	89	56.3	248.6	9	Ci.,A.-Cu.	SW	Cu.	6	Ci.	Cu.-N.
25	SW	SW	Calm	NW	Calm	SW	41.2	33.2	90.1	66.2	230.7	8	Ci.	NE	Cu.	4	Ci.	Cu.-N.
26	SW	SW	NE	N	W	WSW	54.1	38.1	55.7	48.6	196.5	1	Ci.		Cu.	7	Ci.	Cu.-N. E
27	SW	SW	NNE	NNW	WNW	SW	66.5	45.4	73.4	44.5	229.8	1	----------		S.	5	Ci.	Cu. SW
28	SW	SW	ENE	SW	Calm	WSW	52.9	36	55	59.8	203.7	5	Ci.		S.	10	Ci.	cu.-n. SSW
29	SW	SW	NNE	NW	Calm	Calm	69	45.9	55.8	46.9	217.6	2	A.-S., Ci.		Cu. E	8	A.-Cu.	Cu.-N. S
30	SW	SW	Nbyw	WSW	E	SW	47.5	46.4	67.4	51.8	213.1	3	Ci.		Fr.-Cu. NE	6	Ci.	Cu.-N.
31	SW	SW	ENE	NE	S	swbyw	65.2	36.7	51.7	63.6	217.2	4	Ci.		Cu.	5	Ci.	cu.-n., cu. sw
Mean	------	------	------	------	------	------	60.6	47.6	83.9	66.3	258.4	5	----------		----------	5.6	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	8,010.1	----	----------		----------	----	----------	----------

ATIMONAN.

[$\phi = 14°\ 00'$ N; $\lambda = 121°\ 55'$ E; barometer above sea, 4.1 meters; gravity correction not applied, —1.74 mm.]

JUNE, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.59	58.44	59.09	57.35	58.22	59.56	25.5	25.1	29.5	32.6	27.4	25.3	33.9	24.7	95	94	79	68	74	93	6.4
2	59.10	59.45	60.11	58.65	58.51	59.73	25.5	25	32.6	32.3	30.9	29	33.3	24.5	93	95	65	66	72	83	.8
3	58.81	59.52	59.86	58.24	58.34	59.39	27	26	30.2	31.4	31	26.4	32.9	24.6	94	94	78	73	71	90	1
4	57.84	58.11	58.43	57.05	56.99	58.64	25.8	25.4	31.1	31.8	30	26.9	32.1	24.9	93	96	72	66	75	91	------
5	57.65	57.79	58.13	56.29	57.43	58.74	25.9	26.1	31	34.1	27.7	25.4	35.2	24.3	96	93	76	62	85	85	------
6	58.48	58.33	58.57	56.18	56.57	59.17	24.1	24.2	31.9	33	31.5	27.4	35.9	23.1	91	89	67	57	68	87	------
7	57.99	58.39	58.47	55.99	56.33	58.82	26	25.4	32	33.9	32	28	35.9	22.6	90	93	70	56	60	82	61
8	57.27	57.32	58.11	56.31	56.74	58.67	23.5	24	31.5	33.8	31.1	27	35	23	96	99	69	49	64	86	------
9	58.06	58.34	58.28	56.48	57.20	59.07	25.8	25	31.8	33.3	31	27.3	34.9	24.7	96	95	70	56	64	85	------
10	58.59	58.80	58.78	55.68	57.04	59.30	25.5	25	31.9	34	32.2	28.1	35.4	24.4	91	91	62	59	64	83	6.4
11	58.11	58.58	59.43	57.68	57.76	59.45	25	24	30.9	28	28.5	26.4	31.9	23.6	93	96	76	83	84	94	45.7
12	59.71	58.87	59.09	56.79	57.57	59.04	24.6	24.1	31	32.9	30	26.5	34	23.5	94	95	62	59	68	84	1.8
13	58.45	58.76	59.46	57.32	57.49	59.95	24	24.9	28.9	31.9	28.5	26	33	23.4	95	94	77	63	78	92	2.5
14	58.87	58.92	59.21	56.96	57.38	59.50	25	24.6	31.5	32.9	29.6	25.7	34.1	24.3	93	94	63	56	74	86	5.3
15	57.72	57.62	58.12	56.51	56.76	58.22	25.4	24.4	29.7	31.4	30.7	26.9	32.6	23.7	88	96	71	66	70	89	------
16	56.49	56.55	56.96	55.94	56.11	57.12	25.4	25	30.9	33.1	30.4	27	34.4	24.6	95	98	69	58	70	88	------
17	56	56.22	56.48	55.03	55.76	57.21	25.1	25	30.9	34.2	30.1	28	34.4	24.3	94	92	65	52	71	82	------
18	56.61	56.54	56.82	55.70	56.39	57.96	27.2	26	32.5	33.9	30.9	27.8	35.3	25.6	85	89	59	53	63	79	------
19	56.28	56.97	57.01	54.90	55.32	57.39	25.7	25.8	32.4	33.5	30.8	28.8	35.2	25.2	89	87	58	56	67	75	------
20	56.39	56.24	56.32	55.17	55.61	57.06	28	27.6	32.3	33.9	30.8	27.4	34.5	24.7	77	79	61	53	65	81	------
21	55.88	56.05	56.76	55.02	56.22	58.16	25.9	28	32	34.1	28.7	25.1	35.3	24.9	81	70	60	50	70	92	8.1
22	56.98	57.18	57.83	56.52	57.21	58.37	24.6	23.8	29.4	32.2	30	26.9	33.8	23.4	92	96	71	61	71	89	------
23	57.89	58.04	58.06	56.62	56.82	58.37	25.6	25	32	32.6	30.8	26.8	34.6	24.9	93	97	66	58	67	87	------
24	57.42	57.61	57.50	56	56.75	58.72	25.2	24.4	32.6	33.1	30.6	27.4	35.2	24.1	92	96	59	58	64	85	------
25	57.76	57.71	57.80	56.33	56.17	58.94	25.6	24.8	31.2	34.1	31.6	26.6	35.6	24.1	89	92	52	41	59	83	------
26	57.82	57.71	58.18	56.70	56.64	59.19	25.4	24.5	31.3	34.1	31.9	27.7	35.3	24.1	88	94	61	47	54	79	------
27	58.02	57.61	57.80	56.19	56.11	58.49	25.4	24.6	31.9	32.6	30.8	27	34.4	24.3	92	92	63	58	63	85	------
28	57.05	57	57.07	55.82	55.70	57.73	25.5	27.4	30.9	33.2	30.8	28.4	34.8	24.6	96	83	62	55	63	72	------
29	57.15	57.29	57.08	56.42	56.51	58.60	25.8	25.2	31.5	31.2	28.8	25.9	34	24.9	91	93	73	62	78	86	------
30	57.75	57.77	58.48	56.88	57.49	58.90	24.5	24	31	32	28	26.1	33.8	23.6	92	98	75	70	83	91	7.6
Mean	57.69	57.79	58.11	56.42	56.84	58.65	25.4	25.1	31.3	32.8	30.2	27	34.4	24.2	91.5	92.3	67	59	69.3	85.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	146.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	SW	NNW	N	SW	SW	66.2	56	65.2	41.2	228.6	10	Ci.-S.	Cu.	8	Ci.-S.	Cu.-N. SE
2	Calm	SW	NE	NW	NbyE	NE	44.3	45.3	125.5	74	289.1	7	Ci.-S.	Cu. NE	5	Ci.	Cu.-N. SE
3	Calm	SW	NW	NW	NE	SW	38.6	100.3	123.9	63.1	325.9	6	Ci.	S.-Cu. E	5	Ci.	Cu. E
4	SW	SW	N	NW	S	SW	46.4	51.7	75.9	49.4	223.4	8	Ci. N	Cu.	6	A.-Cu. SE	Cu.-N.
5	SW	SW	Calm	E	NW	SW	65.5	36.4	76.4	59.8	238.1	8	Ci.-Cu. E	Cu.-N. N	8	Ci.	Cu.-N. ESE
6	W	W	E	NW	NW	SW	84.8	45.9	50.5	63	244.2	1	Ci.	Cu.	5	Ci.-S. ENE	Cu. SE
7	SW	SW	NE	N	SW	SW	64.2	38.8	49.3	54.7	207	4	Ci.	Cu.-N. ENE	4	Ci. E	Cu.
8	W	WSW	SW	SSW	E	SW	77	51.2	67.3	48	243.5	9	A.-Cu. E	Cu.	7	Ci.	Cu.-N. E
9	SW	SW	NE	WSW	Calm	SW	73.8	44.5	55.8	42.3	216.4	4	Ci. E	Cu.	7	Ci.	Cu.-N.
10	SW	SW	E	E	SW	Calm	72.4	53.7	40.8	31.2	198.1	1	Ci.	Cu.	4	Ci.	Cu. E
11	SW	SW	Calm	Calm	Calm	SW	68.7	54.9	24.1	53.6	201.3	5	Ci. E	Cu.	10	Ci.	Cu.-N.
12	SW	SW	W	Calm	S	SW	71.8	46.5	32.4	51.7	202.4	9	Ci., A.-Cu. SE	Fr.-N. SE	8	Ci.-S. E	Cu.
13	SW	SW	SW	S	SW	SW	59.7	52.6	67	46.2	225.5	10	Ci.-S.	Fr.-N. SE	9	Ci., A.-Cu.	Cu. SSW
14	SW	SW	S	SW	SW	SW	61	50.7	63.9	47.3	222.9	9	A.-Cu. SE	S.-Cu. SW	8	Ci.-S. N	Cu. S
15	SW	SW	S	SW	Calm	SW	48.9	48.6	64.9	33.8	196.2	8	Ci.-S. NE	Cu.	9	Ci.-S. NNE	Cu. S
16	SW	SW	SSW	SW	Calm	SW	54.2	63.3	77.4	41.2	236.1	7	Ci. NE	Cu. S	8	Ci.-S. NNE	Cu. S
17	SW	Calm	SW	SW	SW	SW	39.9	55.2	80.2	60.4	235.7	8	Ci.-S. NE	S.	9	Ci. NE	Cu. SW
18	WSW	W	SW	SSW	SW	Calm	23.3	94.8	83.2	41	242.3	9	Ci.-S. NE	S.	9	Ci.-S. NE	Cu.
19	SW	W	SW	SSW	SW	W	33.2	70.5	85.6	45.1	234.4	4	Ci. NE	Cu.	4	Ci.	Cu.
20	SW	SW	S	SW	SW	SW	56.8	67.6	90.3	60.2	274.9	9	Ci.-S. NE	S.	8	Ci.-S. ENE	Cu.
21	W	SW	SW	SW	W	SW	55.7	90.3	79.5	71.3	296.8	4	Ci. E	S.	4	Ci.	Cu.-N.
22	W	SW	S	SW	SW	Calm	55.3	70.3	59.2	34.1	218.9	9	Ci.-S. NE	S.	9	Ci.-S., A.-Cu. NE	Cu. SW
23	SW	SW	SSW	SW	SW	SW	47.2	51.8	66.3	36.7	202	5	Ci. NE	Cu.	7	Ci. NE	Cu.-N. ENE
24	SW	SW	SE	SW	SW	SW	65.4	50.9	75	38	229.3	8	Ci.-S. E	S.	5	Ci.	Cu. SSW
25	SW	SW	E	SW	SW	SW	71.9	46.5	75.1	45.6	239.1	2	Ci.	----------	3	Ci.	Cu.
26	SW	SW	S	SW	SSW	Calm	63.1	62.8	73.7	36	235.6	0	Ci.	----------	4	Ci. ENE	Cu.
27	SW	SW	SSW	SW	S	SW	67.9	68.4	81.3	39.1	256.7	2	Ci.	Cu.	3	Ci.	Cu. S
28	SW	SW	SW	SW	S	S	53.9	79.4	67.9	------	-------	3	Ci.	Cu.	5	Ci.	Cu. S
29	SW	SW	E	S	Calm	SW	-----	35.7	56.3	43	-------	7	Ci. E	Cu.	9	Ci.	Cu.
30	SW	SW	NE	W	NW	SW	63.3	41.6	43.1	43.3	191.3	9	A.-Cu. S	S.	8	Ci.	Cu. SE
Mean	------	------	------	------	------	------	58.4	57.5	69.2	48.1	234.1	6.2	----------	----------	6.6	----------	----------

ATIMONAN.

[ϕ=14° 00′ N; λ=121° 55′ E; barometer above sea, 4.1 meters; gravity correction not applied, —1.74 mm.]

JULY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.01	57.77	58.16	56.71	56.31	58.94	25.4	24.8	30.5	31.6	29.7	26.4	33.7	24.5	94	96	74	63	74	90	0.3
2	58.15	57.99	57.91	56.40	56.82	58.37	27	25.2	29	31	28.4	26.4	31.7	24.8	88	93	76	75	86	94	2.3
3	57.89	57.86	58.12	56.80	57.32	58.81	25.2	24.8	29.5	29.9	28.3	26.4	32.4	24.4	95	97	74	75	82	92	------
4	58.95	59.11	59.33	58.11	58.67	59.77	25	24.6	30.9	31.1	27.3	25.4	32.4	24.1	97	95	70	70	85	93	3.5
5	59.16	59.22	59.12	57.62	57.96	59.34	24.5	24.5	28.9	31	27.5	26.3	32.4	23.1	97	96	78	75	87	92	8.9
6	58.61	58.65	58.42	56.92	57.27	58.40	24.5	23.9	30.5	30	30.1	26.2	32.4	23.7	96	99	72	69	76	90	------
7	57.85	58	57.71	56.05	56.52	57.99	25	24.4	29.4	31.2	25.6	24.7	32.4	23.8	93	96	74	68	93	96	7.6
8	57.21	57.32	57.61	56.33	56.78	58.14	24.4	25	26.7	28	27.5	26.4	28.7	23.5	98	94	93	77	81	89	25.4
9	56.85	56.81	57.61	56.77	56.89	58.19	24.5	24.4	29	26.2	25.9	24.5	30.8	23.7	96	96	80	89	90	96	4.9
10	57.01	57.64	58.02	57.18	58.21	59.89	23.8	23.6	28.9	28.8	25.2	24.9	30.5	23.2	98	98	80	78	95	96	24.3
11	58.27	58.44	58.33	57.29	57.72	59.49	24.1	23.6	29.8	29.4	26.3	24.8	31	23	98	98	79	76	93	95	18.3
12	58.28	58.12	58.12	56.79	57.02	58.57	24.8	24	29.9	30.9	29.7	28.7	32.3	23.7	93	98	77	69	76	79	1.5
13	57.33	57.73	58.17	56.87	56.75	58.18	28.1	26.1	29	28	28	26.9	30.3	25.5	87	91	83	87	83	86	23.9
14	57.74	58	58.52	57.55	57.67	58.68	26.4	27	28.9	26.2	26	26.9	30.8	25.7	92	92	78	84	91	84	------
15	58.10	58.38	58.37	56.87	57.83	58.92	24.9	23.9	29	29.4	28.7	25	30.3	23.5	93	98	76	78	80	96	21.6
16	57.81	58.07	58.50	57.86	57.79	57.80	24.3	24.1	29	26.7	26.7	26	29.8	23.9	97	99	81	90	90	92	8.4
17	57.61	57.71	57.99	57.30	57.09	58.11	24.8	24.7	26.6	26.4	26.6	25.1	28.2	24.2	97	97	84	86	86	96	43.2
18	56.86	56.20	56.62	54.71	54.65	55.52	25	24.9	26	27.3	26.8	25.1	28	24.2	92	92	91	86	91	94	68.1
19	54.98	54.24	55.36	53.44	54.27	55.62	24.5	24.6	27	29	24.5	24.3	29.9	23.8	99	98	87	81	96	97	17.9
20	54.15	54.04	54.93	53.40	54.03	55.25	23.9	23.8	29	31.5	27	25.5	32.5	23.5	91	89	83	65	89	94	36.8
21	54.66	54.86	55.48	54.08	55.27	56.56	24.9	24.7	28.2	29.5	26.6	25.9	30	24.4	93	94	78	68	78	85	------
22	55.80	55.68	55.74	54.85	55.28	56.96	26.4	24.9	29	30.4	27	25.7	31.1	24.2	80	86	69	61	84	86	1.5
23	55.60	55.57	56.40	54.80	55.72	57.49	24.5	24.4	28.8	30.5	24.4	25.1	31.8	23.7	95	95	76	66	92	87	10.1
24	56.01	56.52	56.54	55.74	55.99	58.29	24	23	29.8	31	25.5	25.3	32.4	22.6	94	96	78	63	89	93	1.5
25	57.11	57.08	57.51	56.30	56.73	59.38	24.5	24.5	30.3	32	27	25.7	33.4	23.9	95	95	62	55	89	93	4.1
26	57.75	57.38	58.48	56.59	56.85	58.90	24.1	23.8	29.4	32	25	24.8	33.1	23.5	96	95	72	69	89	93	13.3
27	56.21	56.57	56.94	55.93	55.98	56.42	23.8	23.9	28.7	26.4	25.5	25.8	30.5	23.5	97	97	73	88	92	88	7.5
28	55.50	54.97	55.88	54.90	55.28	56.69	25.5	25	27	26.5	26.4	24.5	27.8	24.2	91	95	85	87	87	96	6.6
29	55.66	55.42	56.74	55.99	56.26	57.80	25	24.4	28.9	28.4	25.6	25.1	30	24	92	97	69	72	87	86	13
30	56.90	56.85	57.81	56.52	56.22	57.12	25.4	25	26.7	26.5	26	26	27.4	24.6	88	90	75	76	80	83	.3
31	56.19	55.62	56.74	55.97	55.04	56.14	25	24	29	27.8	25.1	25.3	29.8	23.7	85	91	69	82	87	88	2.1
Mean	57.04	57.03	57.46	56.21	56.52	57.93	24.9	24.5	28.8	29.2	26.8	25.6	30.9	23.9	93.5	94.9	77.3	75.1	86.4	90.9	------
Total	-------	-------	-------	-------	-------	-------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	376.9

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10.*			*0–10.*		
1	SW	SW	E	S	Calm	SW	56.5	40.2	47.2	39.6	183.5	8	Ci.	NE Cu.	9	Ci.-S.	N. SE
2	N	Calm	Calm	NW	Calm	SW	57.7	32.5	50.9	36.7	177.8	6	Ci.	S.-Cu. E	9	Ci.	S.-Cu. SE
3	SW	SW	W	Calm	Calm	SW	57.9	52.1	33.8	32.4	176.2	10	Ci.-S.	S.-Cu. SE	10	Ci.-S.	S.-Cu., N. SE
4	SW	SW	E	SE	SW	SW	53.9	40	57.9	49.6	201.4	7	A.-Cu.	SE Cu.	6	Ci.	Cu. ESE
5	SW	SW	E	NE	Calm	Calm	47.8	30.3	44.9	26.8	149.8	4	Ci.-S.	E Cu.	8	Ci.	S.-Cu. S
6	SW	SW	Calm	N	Calm	SW	57.9	37.8	74.6	37	207.3	4	Ci.	E Cu.	7	Ci.	Cu.-N. E
7	W	SW	N	NNW	SW	SW	51.5	40.2	78.1	68.6	238.4	2	Ci.	Cu.	7	Ci.	Cu.-N. SE
8	NW	NE	Calm	N	N	NNW	69.5	42.4	110.7	47.2	269.8	10	Ci.-S.	S.-Cu. N	10	Ci.-S.	S.-Cu. NE
9	Calm	Calm	NE	Calm	Calm	SW	48.6	30.9	36.7	50.2	166.4	9	Ci.	S.-Cu. NE	10	Ci.	S.-Cu. E
10	SW	SW	SE	NW	SW	SW	57.9	35.6	41.3	49.4	184.2	10	Ci.-S.	SE Cu.	10	Ci.	N. SE
11	SW	SW	E	N	SE	SW	56.3	39.7	62.6	40.2	198.8	8	Ci.	E S.	10	Ci.-S.	S.-Cu. E
12	W	SW	Calm	NW	N	NE	52.1	48.1	118	107	325.2	9	Ci.	S.-Cu. ENE	4	Ci.	Cu. NE
13	NW	N	NW	N	N	N	96.8	75.3	148.1	76.5	396.6	9	Ci.	S.-Cu. E	9	Ci.	Cu.-N., S.-Cu. NE
14	NW	NW	N	SE	Calm	NE	87.9	89.8	40.4	94.3	312.4	10	Ci.	S.-Cu. NE	10	Ci.	Cu.-N. SE
15	SW	SW	N	N	Calm	Calm	55	49.9	104.1	29.6	238.6	7	A.-Cu.	ESE Cu.-N.	9	Ci.-S.	Cu. E
16	SW	SW	N	NE	Calm	Calm	58.5	52.1	33	32.7	176.3	10	A.-Cu.	E S.-Cu. E	10	Ci.-S.	N. NE
17	SW	SW	N	NW	NW	SW	49.7	42.1	103.6	58.4	253.8	9	Ci.	SE S.-Cu. E	10	Ci.-S.	N. NE
18	NW	WNW	NW	N	E	SE	46.9	184.7	213	69.5	514.1	10	------	------ N. NE	9	Ci.-S.	S.-Cu. N
19	Calm	Calm	Calm	Calm	SW	SW	19.3	24.6	44.1	50.4	138.4	10	Ci.-S.	Fr.-N. S	8	Ci.-S.	Cu.
20	SW	SW	SE	SW	WSW	SW	55.5	45.7	61.5	56	218.7	9	Ci.-S.	NE S.	9	Ci.	Cu. S
21	Calm	Calm	SW	SW	SW	Calm	29.5	53.9	69.7	41.3	194.4	10	Ci.-S.	S.-Cu. S	10	Ci.-S.	S.-Cu. SW
22	W	SW	SW	SSW	Calm	Calm	55.2	66.3	67	21.4	209.9	10	A.-Cu.	S S.-Cu.	10	Ci.-S.	Cu.
23	SW	SW	S	SSW	Calm	SW	50.9	41.5	81.1	41.6	215.1	10	A.-Cu.	WSW S.	9	A.-Cu. N	S.-Cu. SW
24	SW	SW	E	SW	Calm	SW	39.1	44.9	82.6	20.3	186.9	4	A.-Cu.	SW S.	9	Ci.	Cu.-N., Cu. W
25	SW	E	SW	SW	Calm	SW	40.5	71.1	70.3	38.1	220	4	Ci.	S.-Cu. SW	7	Ci.	Cu. W
26	SW	SW	Calm	NE	SW	SW	55.5	32.8	48.5	60.6	197.4	7	A.-Cu.	E Cu.	6	A.-Cu.	SE Cu.-N. SE
27	SW	SW	NE	ENE	NE	N	57.1	74.2	112.7	79.7	323.7	10	Ci.-S.	S.-Cu. E	10	Ci.-S.	N. NE
28	NE	NE	NW	Calm	Calm	Calm	73.5	48.6	34.3	36	192.4	10	Ci.-S.	N. NE	10	Ci.-S.	Fr.-N. NE
29	WSW	SW	WSW	SW	SW	SW	28.4	52.8	78.3	44.9	204.4	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	N. SW
30	SW	Calm	SW	SW	SW	SW	41.6	71	93.9	60.6	267.1	10	Ci.-S.	S.-Cu. W	10	Ci.-S.	Fr.-N., S.-Cu. W
31	SW	SW	SW	SW	SW	Calm	34	59.3	88	36.8	218.1	10	Ci.-S.	S.-Cu. W	10	Ci.-S.	Fr.-N. W
Mean	------	------	------	------	------	------	53	53.2	75.2	49.5	230.9	8.3	------	------	8.9	------	------
Total	------	------	------	------	------	------	------	------	------	------	7,157.1	----	------	------	----	------	------

ATIMONAN.

[$\phi = 14°\ 00'$ N; $\lambda = 121°\ 55'$ E; barometer above sea, 4.1 meters; gravity correction not applied, —1.74 mm.]

AUGUST, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	55.51	54.72	56.05	55.05	54.65	56.30	26.4	25.4	26	28.1	26.8	25	28.8	24	84	88	91	82	82	90	------
2	55.16	55.67	57.16	56.93	56.30	58.29	27	26.4	30.4	26	27	26	32.2	25.2	80	76	65	83	78	84	3.8
3	56.90	57.15	57.92	56.32	56.92	58.16	25	24.1	29.1	31.2	26	25.5	32.4	23.5	90	95	76	67	83	88	3.1
4	57.52	57.65	57.86	56.66	56.92	58.16	24.9	24.4	27.2	30	28.3	25.8	30.6	23.8	98	91	81	62	74	88	------
5	56.87	56.83	57.44	55.88	56.62	58.21	24.5	23.2	29	31.9	28	25.6	32.2	22.7	91	95	74	59	77	86	------
6	57.41	57.46	58.65	57.28	57.78	59.40	24.5	23.6	29	28.5	26.5	24.5	31.8	22.8	91	93	65	76	83	88	6.1
7	58.81	58.70	59.42	57.68	57.77	59.30	23.1	22.8	30.2	28.9	29.2	25.9	32.2	22.4	94	92	70	72	69	86	------
8	57.95	57.88	58.63	56.39	56.74	58.56	24.5	23.6	30	30.6	26	26.1	31.7	22.9	93	94	70	65	76	87	5.1
9	57.25	56.63	57.72	56.52	56.64	57.81	24.5	23.7	29.5	29.3	25.4	24.4	31.5	23.2	94	97	78	74	88	93	------
10	56.98	56.73	57.64	56.38	56.69	58.89	23.9	23.6	29	24	25.6	24.9	31.2	23.2	94	95	74	94	87	92	40.6
11	57.17	56.54	57.64	55.97	55.99	57.21	24.4	23	28	27	27.4	25.3	30.6	22.7	87	96	75	81	77	86	12.7
12	55.74	55.62	56.34	54.71	55.02	56.45	24.5	24.4	28	26	25.4	24.5	30.3	24	90	88	75	88	88	92	19.3
13	54.90	54.73	55.86	54.25	54.92	56.29	24.3	24.5	26.4	26.3	25	25.5	28.2	23.8	91	89	82	85	86	86	1.5
14	55.16	55.22	56.25	54.79	55.52	57	25.4	24.4	29	29.1	28.4	26	30.9	24.1	88	87	72	74	77	80	------
15	56.91	57.22	57.34	56.35	56.82	57.95	24.9	24.7	30.4	31	27.8	26	32.4	23.8	87	89	66	65	76	89	------
16	57.61	57.48	58.41	56.25	56.82	57.36	24.5	23.9	29.5	25.8	28	25.4	31.4	23.4	95	95	78	89	85	93	5.1
17	56.82	56.93	57.67	55.60	55.88	57.15	24	23.4	29	30.2	28.9	25.2	32	23.2	97	97	72	70	70	92	------
18	56.31	56.43	57.12	55.45	55.69	56.87	23.8	23.2	30.4	31.8	28.9	26.4	33.4	22.8	97	97	68	59	78	88	------
19	56.08	56.12	57.17	55.31	56.05	57.72	24.7	24	29.9	30.4	26.4	25.5	31.5	22.5	94	94	78	72	88	95	14.5
20	56.55	56.88	56.86	55.71	56.44	58.14	25.1	24.8	30	25	26.5	25	31.8	24.5	94	93	71	95	84	89	37.6
21	56.81	56.73	57.89	56.49	56.50	58.02	24	23.4	29.5	28	27.5	25.1	31	23.1	98	98	78	81	73	87	1.8
22	57.06	57.31	57.82	55.91	56.48	57.61	24.2	24	30.4	31.4	25.8	25	32	23.5	97	97	66	72	89	96	4.3
23	56.74	56.17	56.80	54.82	55.49	56.84	24.7	25	29.4	31.6	28.4	26.9	32.6	24.1	96	93	70	62	77	81	------
24	56.48	56.59	57.41	55.97	55.72	57.36	25	25.9	30	30.1	27.7	26	31.6	24.1	91	85	67	64	70	76	------
25	55.52	56.17	56.62	55.17	55.94	56.87	25	24.1	29.6	29	27.4	25	30.9	23.2	86	88	67	69	75	82	1.8
26	55.12	54.23	54.91	53.53	53.65	55.12	24.3	25	29.1	26.8	26.4	25.9	29.2	23.9	84	83	70	81	82	84	11.4
27	53.41	53.07	53.79	52.29	52.14	53.59	25.8	25.8	29	29.4	26.7	26.2	30	24.6	84	84	74	68	80	82	5.6
28	52.56	52.73	53.18	52.05	52.84	54.90	25.9	25.5	28.2	29	26.9	26.4	29.5	24.9	83	88	79	74	79	84	1.3
29	53.93	54.01	54.69	53.51	54.29	55.93	25.6	26	27.5	29.8	28.6	26.8	31	24.7	84	82	77	69	73	77	------
30	54.90	55.27	55.71	54.45	54.89	55.53	25.7	26	29	32	29	27.4	32.8	25	81	80	68	57	66	73	------
31	53.94	53.95	54.08	52.58	53.28	54.09	27	26.6	29.5	25.6	26	25.3	32.2	24.5	76	79	70	88	87	89	36.8
Mean	56.13	56.09	56.84	55.36	55.72	57.13	24.9	24.5	29.1	28.8	27.2	25.6	31.3	23.7	90	90.3	73.1	74.1	79.3	86.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	212.4

Day.	Wind.										Clouds.				
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
											Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.		Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SSW	Calm	Calm	W	WSW	SW	57.3	22.8	30.6	42.1	152.8	10	Ci.-S.	N. SW	10	Ci.-S.	S.-Cu. W
2	SW	SW	SSW	SW	SSW	Calm	62.2	49.9	55	32.4	199.5	10	A.-Cu. NW	S.-Cu. W	10	Ci.-S.	S.-Cu. W
3	SW	SW	SW	S	SW	SSW	44	66	62.2	53.1	225.3	9	A.-Cu. ENE	S.-Cu. W	9	A.-Cu. NW	Cu. SW
4	Calm	Calm	SW	SW	S	SW	16.3	31.4	51.5	40.5	139.7	10	Ci.-S.	S.	10	Ci.-S.	Cu. W
5	SW	SW	Calm	S	Calm	SW	68.9	38.9	46.1	39.9	193.8	5	A.-Cu. E	----------	4	Ci.	Cu.-N.
6	S	SW	N	NW	SW	SW	61.5	63.9	50.4	56	231.8	3	Ci.	----------	9	Ci.	N. W
7	SW	SW	NE	SW	Calm	SW	82.7	35.9	61.7	40	220.3	7	Ci. SE	Cu.	4	Ci. E	Cu.-N.
8	SW	SW	NE	NW	SW	N	57.1	43.5	52.1	57.4	210.1	7	Ci. SE	Cu.	9	A.-Cu. ENE	Cu.-N. W
9	SW	SW	NE	SW	SW	SW	53.4	35.7	61.8	61.2	212.1	4	Ci. E	Cu.	9	Ci.	Cu.-N.
10	Calm	SW	Calm	SW	Calm	Calm	57.4	42	52.5	23.3	175.2	10	A.-Cu. W	S.	9	Ci.-S.	Fr.-N. W
11	SW	Calm	Calm	SE	SW	Calm	52.9	22.2	45.3	50.7	170.5	10	Ci.-S.	S.-Cu. W	9	Ci.	N. NW
12	SW	Calm	NW	SW	SW	SW	45.1	41.3	60.7	51.5	198.6	9	A.-Cu. W	S.-Cu. W	10	Ci.-S.	S.-Cu. W
13	SW	SW	SW	SW	SW	SW	53.3	69.7	119.4	98.5	340.9	9	Ci.-S.	S.-Cu. SW	10	Ci.-S.	S.-Cu. WSW
14	SW	SW	SW	SW	SW	Calm	71.1	80.7	73.7	55.5	281	9	Ci.	S.-Cu. W	10	A.-Cu.	S.-Cu. W
15	SW	SWbyW	W	SW	SW	SW	45.1	59.8	49.4	39.1	193.4	10	Ci.-Cu.	S. W	8	Ci.	Cu. W
16	W	SW	SE	SW	Calm	SW	45.6	35.4	65.8	51.5	198.3	4	Ci. E	S.	8	Ci.	Fr.-N. W
17	SW	SW	NW	SW	SW	SW	64.6	49.6	77.5	48.1	239.8	9	Ci.-S. ENE	S.	8	Ci.	Cu.-N. W
18	SW	SW	SW	S	SW	SW	59.5	57.9	61	30.8	209.2	3	Ci. NE	----------	9	Ci.	Cu.-N.
19	SW	SW	NE	SW	SW	SW	----	----	90.1	65.4	------	3	A.-Cu. SE	Cu.	6	Ci.-Cu.	Cu. SW
20	SW	SW	SW	SW	Calm	SW	71.9	56.5	56.9	46.4	231.7	7	A.-Cu. WSW	S.	9	A.-Cu.	N. WSW
21	SW	SW	N	W	SW	SW	70	47	44.3	41.6	202.9	7	Ci. ENE	S.	9	Ci.-S.	N. SW
22	SW	SW	W	Calm	SW	SW	55.7	44.5	44.6	28.8	173.6	4	Ci. ENE	Cu.	9	Ci.-S.	S.-Cu. SW
23	SW	SW	SW	SW	S	Calm	46.2	80.5	55.2	39.1	221	10	Ci.-S. NE	Cu. WSW	7	Ci. E	Cu. W
24	SW	SW	SW	WSW	SW	SW	63.3	69.4	112.7	43.5	288.9	9	Ci.-S.,Ci.	S.-Cu. W	10	Ci.-S.	S.-Cu. W
25	SW	SW	SW	WSW	WSW	WSW	43.2	84.3	103.6	108.1	339.2	9	Ci.-S.	S. W	10	Ci.-S.	S.-Cu. W
26	SW	SW	SW	SW	SW	WSW	118.3	79.5	106.7	57.4	361.9	10	Ci.-S.	S.-Cu. W	10	Ci.-S.	N. W
27	SW	SW	SW	SW	SW	SW	114.3	----	----	93	------	10	Ci.-S.	N. SW	10	Ci.-S.	S.-Cu. W
28	SW	SW	SW	SW	SW	SW	85.5	78.3	----	----	------	10	A.-Cu. SW	S.-Cu. SW	10	A.-Cu. SW	S.-Cu. SW
29	SW	SW	SW	SW	SW	SW	----	106.2	98.5	78.7	------	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	S.-Cu. SW
30	SW	SW	SW	SW	WSW	SW	53.7	91.2	149.7	93	387.6	9	Ci.-Cu.	S.-Cu. SW	8	Ci.-Cu.	Cu. W
31	SW	SW	SW	W	W	SW	64.4	125	98.8	64.2	352.4	10	Ci.-S.	S.-Cu. W	10	Ci.-S.	N. W
Mean	------	------	------	------	------	------	61.5	58.9	70.3	54.3	235.2	7.9	----------	----------	8.8	----------	----------

ATIMONAN.

[$\phi = 14° 00'$ N; $\lambda = 121° 55'$ E; barometer above sea, 4.1 meters; gravity correction not applied, —1.74 mm.]

SEPTEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p.m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	53.13	53.43	54.29	52.91	53.64	54.24	24.4	24.4	24.1	24.6	24.4	24.1	25	23.2	92	92	91	91	90	90	23.4
2	53.43	54.19	54.71	53.32	53.43	54.91	23.9	24.4	25.1	25.2	24.4	24.5	26.2	23.3	90	87	90	87	92	87	5.9
3	54.17	54.23	55.66	53.91	54.20	55.29	24.5	24.8	26.9	28.9	25.9	24.9	29	23.8	91	91	82	71	88	92	.3
4	55.06	55.22	55.88	54.73	55.53	57.06	24.4	24.5	29.5	31.5	27.1	26.2	32.1	24	93	92	70	60	84	84	------
5	56.22	56.25	57.44	56.32	56.76	58.71	25.2	25	29.9	31	27.8	25.6	32	24	92	92	68	67	78	92	2.5
6	57.91	57.89	58.82	56.90	57.67	59.04	23.9	23	29.5	30.4	29	28.2	31	22.7	97	97	80	65	74	80	10.2
7	57.71	57.04	57.41	56.17	56.71	58.57	26.1	24.8	27.4	27.6	26.1	24	29.5	23.7	91	93	89	84	90	95	100.1
8	56.33	56.27	57.09	55.65	56.05	57.51	23.4	23.6	25.9	25.5	25.5	24.2	26	23.1	97	97	89	95	90	94	76.5
9	56.91	57.03	58.11	56.46	57.07	58.59	23.9	23.6	28	30.6	27.5	25.5	31.2	23	94	95	74	67	70	80	------
10	57.65	57.21	57.74	55.94	55.96	57.80	24.8	24.2	29.4	29.9	26	24.6	31.4	23.2	85	86	74	77	92	94	6.4
11	56.73	56.43	57.38	55.18	55.67	57.50	23.4	22.9	27.9	30	27.4	26	31.2	22.3	95	96	77	71	88	88	------
12	56.55	56.21	56.42	55.23	55.88	56.98	25	24.5	29.4	29.9	26.7	25.8	31.9	23.9	91	92	68	69	85	86	.5
13	55.25	55.94	56.48	54.81	54.77	56.09	24.5	23.8	30	25.9	27.2	25.8	31.8	23.2	94	95	77	88	79	84	17.1
14	54.90	54.19	54.20	52.12	52.32	52.49	24.5	24	29.5	28.9	27	25.8	31	23.4	89	91	76	75	80	85	.8
15	51.01	50.60	51.41	49.35	49.71	51.26	25.6	26.1	28.6	31	27.9	27.4	31.6	24.6	87	85	74	66	78	81	------
16	50.64	50.54	51.73	51.36	52.34	54.12	27	27.1	30.8	31.3	27.6	26.8	32.5	25.7	88	82	71	64	78	82	.5
17	53.97	54.25	54.91	54.07	54.83	56	26.2	26.4	29.8	29	28	25.5	31.8	25.2	84	83	73	74	77	86	------
18	54.99	55.95	55.79	54.26	54.93	56.14	25.9	25.1	30.8	30.1	28	26.2	32.8	24.5	83	89	64	74	77	85	------
19	54.74	54.64	55.37	53.49	54.01	55.79	24.5	23.8	29.2	27	25.5	25.2	31.4	23.4	92	93	71	89	89	90	3.3
20	54.44	54.65	55.74	53.90	54.92	56.88	24	23.2	29.8	31.4	28.3	26.4	31.8	23	95	97	69	66	80	81	------
21	56.17	56.09	56.94	55.10	56.42	58.04	25.8	25.4	29.9	32.5	29	25.4	32.9	23.5	86	88	68	60	65	80	------
22	57.01	57.78	58.92	57.27	58.37	59.78	24	24	29.8	27.9	27	25.5	32.4	23.4	91	91	69	74	91	88	2.8
23	59.10	59.01	60.02	57.85	58.88	59.84	24.1	23.8	30	30.1	28.9	26.5	32.2	23.3	92	93	75	71	74	77	43.2
24	59.15	59.26	59.67	57.78	58	59.44	26.1	25	28	27.3	26.4	26.1	29.2	24	89	92	80	84	89	88	17.3
25	58.37	58.45	59.26	57.09	57.33	58.60	25.7	25.2	27.4	27.7	27.3	25.7	28	24	89	90	81	81	82	84	32.3
26	57.67	56.90	57.63	55.03	55.32	56.12	25.5	26	27.9	30.3	28	25.5	30.5	23.1	88	88	76	67	82	87	7.6
27	55.25	54.34	54.52	53.41	54.20	55.40	25.2	26	29.7	30	27.5	27	31.7	23.9	87	85	69	67	75	77	------
28	54.32	55.16	56.85	54.79	55.90	56.50	27.5	27	27	30	27.3	26.8	30.3	25.7	73	78	86	71	76	78	5.9
29	56.02	56.16	57.03	55.25	54.59	56.16	26.5	25.8	28	29	27.3	26.6	29.1	24.8	80	86	74	68	70	75	------
30	55.72	56.08	57.20	55.66	56.10	57.46	27	26.8	28.2	29	26.7	25.2	30.4	24.1	77	78	74	70	75	78	------
Mean	55.68	55.71	56.49	54.84	55.38	56.74	25.1	24.8	28.6	29.1	27.1	25.8	30.6	23.8	88.9	89.8	76	73.8	81.3	84.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	356.6

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	W	WSW	SW	SW	SW	SW	61.2	87.1	110.7	112	371	10	Ci.-S.	N. WSW	10	Ci.-S.	N. SW
2	SW	SW	SW	SW	SW	SW	78.4	110.2	99.2	84.3	372.1	10	Ci.-S.	N. WSW	10	Ci.-S.	Fr.-N. SW
3	SW	SW	SW	SW	SW	SW	57.7	76.4	87.5	43	264.6	10	A.-Cu. SW	S.-Cu. SW	9	A.-Cu. SW	S.-Cu. SW
4	SW	SW	SSW	SW	SSW	SSW	42	51.7	99.2	85.5	278.4	9	A.-Cu. SW	S.	7	Ci.	Cu. S
5	Calm	Calm	S	S	S	Calm	23.8	56	61.2	34.4	175.4	7	Ci.	S.-Cu. S	8	Ci.	S.-Cu. S
6	SW	SW	Calm	N	N	N	59.2	39.6	63.4	52.1	214.3	4	Ci. ENE	S.	4	Ci.	Cu.
7	Calm	W	NW	N	NE	Calm	44.5	98.8	135.2	35.2	313.7	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	S.-Cu., N. NNE
8	SW	S	NW	NW	NW	SW	54.1	-----	138.4	62	------	10	Ci.-S.	N. NE	10	Ci.-S.	N. NW
9	SW	Calm	SW	SW	SW	WSW	59.7	76.1	68.6	60.4	264.8	9	Ci.-S. ENE	S.-Cu. W	8	Ci.	Cu. WSW
10	SW	SW	Calm	Calm	SW	SW	59.3	34.1	35.9	59.5	188.8	1	Ci. E	S.	8	A.-Cu.	S.-Cu. W
11	SW	SW	SW	SW	Calm	Calm	71.9	35.6	60.7	28.5	196.7	9	Ci.-S. ENE	----------	10	Ci.-S.	S.-Cu. W
12	Calm	SW	SW	SW	W	SW	40.4	93.8	76.4	51.7	262.3	10	Ci.-S.	S.-Cu. W	8	A.-Cu. SW	S.-Cu., N. W
13	SW	SW	Calm	Calm	SW	SW	48.9	30.6	75.6	55.7	210.8	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	N. W
14	SW	SW	Calm	SW	SW	Calm	48.6	32	101.6	40.4	222.6	10	Ci.-S.	S.-Cu. W	10	Ci.-S.	N. W
15	SW	SW	WSW	W	SW	SW	56.1	96.3	92.2	99.2	343.8	10	Ci.-S.	S.-Cu. W	10	Ci.-S.	S.
16	WSW	WSW	SW	SW	SW	SW	114.9	139.2	140.5	85.5	480.1	10	Ci.-S.	S.-Cu. W	10	Ci.-S.	Cu. WSW
17	SSW	SW	S	SW	S	SW	60.6	68.9	78.1	57.6	265.2	9	A.-Cu. SW	S.-Cu. SW	10	Ci.-S.	S.-Cu. SW
18	W	Calm	SW	NW	S	SW	-----	63	61.8	66	------	4	A.-Cu.	S.-Cu. SW	9	Ci.	Cu. W
19	Calm	SW	Calm	SW	SW	SW	48.1	39.4	60.9	44	192.4	9	Ci.-S. ENE	S.	10	Ci.-S.	S.-Cu., N. SW
20	SW	SW	SW	SW	Calm	W	58.7	58.5	88.2	41.5	246.9	9	Ci. E	S.	8	Ci. E	Cu. SW
21	SW	W	NE	N	SW	SW	35.7	52.9	95.8	51	235.4	10	Ci.-S. ENE	S.	7	Ci.	Cu. W
22	W	SW	W	NW	SW	SW	51.2	35.2	44.3	56.3	187	1	Ci. E	S.	9	Ci.	Cu.-N., N. W
23	SW	SW	N	NNW	NE	NW	64.7	43.3	46.1	48.6	202.7	7	A.-Cu. ENE	S.	10	Ci.-S.	Cu.-N. SW
24	NW	Calm	N	N	N	N	54.4	133	160.3	85.9	433.6	10	Ci.	N. N	10	Ci.-S.	N. NE
25	NW	N	N	N	N	N	107.5	155.1	163.4	101.7	527.7	10	Ci.-S.	Fr.-N. NE	10	Ci.-S.	S.-Cu. NE
26	NW	NNE	NNW	NNW	SW	SW	102.4	122	93.3	69.4	387.1	10	Ci.-S.	Fr.-N. NE	7	Ci. ENE	S.-Cu. N
27	Calm	WSW	SW	WSW	WSW	SW	37.3	128.9	128.4	118.9	413.5	10	Ci.-S., Ci.-Cu. N	S. NW	10	Ci.-S.	S.-Cu. W
28	SW	SW	S	SW	WSW	WSW	173.5	95.8	115.4	108.8	493.5	6	Ci.-Cu., Ci.	S. SW	8	Ci.	s.-cu. WSW
29	SSW	SSW	SW	SW	WSW	Calm	70.3	97.6	143.5	67.1	378.5	10	Ci.-Cu.	N. W	9	Ci.-S.	s.-cu. WSW
30	SW	SW	SW	SW	WSW	Calm	93.6	94.6	118.8	34	341	7	Ci.-S. S	S.-Cu. WSW	10	Ci.-S.	N. SW
Mean	------	------	------	------	------	------	64.8	77.4	94.8	64.7	302.3	8.4	----------	----------	9	----------	----------

ATIMONAN.

[ϕ=14° 00′ N; λ=121° 55′ E; barometer above sea, 4.1 meters; gravity correction not applied, —1.74 mm.]

OCTOBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.64	57.75	58.12	56.22	57.47	59.26	26	26.3	30	30.2	28.3	25.7	32.7	24.1	78	78	65	64	77	89	------
2	59.05	58.95	59.97	57.79	58.39	60.04	24.9	24	31.5	32.5	28.5	25.9	34	23.2	87	91	60	54	74	86	------
3	59.27	59.65	60.13	58.02	58.44	59.80	25	24	30.5	30	27.5	25	32.3	23.2	89	93	72	67	77	88	2.5
4	58.58	58.63	59.09	56.87	57.62	59.20	24	24	28.8	29.3	27.8	25.7	30.2	23	91	91	78	76	84	92	23.3
5	57.96	58.36	59.34	56.97	57.74	58.69	25	25.3	27.5	27.6	27.2	25.3	28.6	24.3	95	93	84	83	87	90	4
6	57.48	57.65	59.49	56.94	57.93	59.73	24.3	24	26.8	27.6	26.7	24.8	29	23.4	95	96	91	86	84	92	32.2
7	58.92	59.21	60.17	58.27	58.60	60.47	25.4	24.5	27.3	28.2	26.8	24.6	28.6	23.4	88	94	85	77	83	91	27.9
8	59.65	59.22	59.13	57.38	57.94	58.52	24.2	23.7	23.4	27	26.2	26.2	27.5	23	90	92	95	80	86	85	7.6
9	57.91	57.04	57.93	55.73	56.14	57.41	25	25.7	28	30	27.8	26.2	31.2	24	92	88	79	68	80	83	------
10	56.42	56.51	57.09	54.99	55.39	56.40	24.6	24.8	28	29.8	27.5	27	31.2	24.2	92	90	80	73	81	80	2.8
11	55.94	55.80	56.98	54.51	56.11	57.91	26	25.4	26.7	30.4	23.6	23.2	31.1	22.4	88	93	87	64	90	93	27
12	57.59	57.78	59	56.93	57.42	59.14	23	22.4	27	29	27.8	27.2	29.4	22	96	96	83	74	77	85	10.7
13	58.28	58.21	59.04	56.55	56.87	58.26	26.8	26.8	27	28.4	27.1	25	28.8	24.2	86	86	87	82	87	95	102.1
14	56.89	56.61	57.42	55.95	56.64	57.55	25.5	26	28.1	27	27.6	27.2	29.3	23.9	91	88	82	83	83	85	2.3
15	56.49	56.41	56.85	54.42	55.19	56.28	27.4	27.4	27.8	26.7	27.5	27.4	28	25.5	84	84	82	90	82	86	18.1
16	55.64	55.72	56.71	53.80	54.21	55.02	27	26.4	25.4	25.8	26	25.7	27.4	23.7	89	92	93	93	90	93	51.9
17	54.18	54.90	55.80	54.96	56.20	57.67	25.8	25.1	25.2	26.1	25	25.3	26.4	24.4	88	93	94	94	92	88	24.4
18	57.78	58.81	59.92	58.29	58.91	60.90	24.5	24.5	29.9	30.7	27.5	25	32.3	24	92	92	69	70	83	92	------
19	60.06	60.07	61.17	58.74	59.52	60.43	24.9	26	28	28.5	27.4	27	29.9	24.1	92	90	82	78	78	76	10.4
20	59.41	59.36	60.40	57.94	58.67	60	26.5	26	26	26.1	26	26.5	27.5	24.3	86	90	89	89	88	84	32.5
21	58.77	59.05	60.53	58.89	59.39	60.29	26	25	27.9	25.4	26.1	24.3	28.5	24.3	88	93	84	92	91	99	60.2
22	59.39	59.45	60.64	58.28	58.54	59.90	25.8	25.4	25.4	27.7	25.7	26.1	28	23.6	93	95	93	88	91	95	58.7
23	58.60	58.78	59.79	57.67	58.36	59.40	25.6	24.5	26.4	27.6	26.2	26.4	28.3	24.1	93	96	92	84	90	84	38.1
24	58.42	58.52	59.41	57.39	58.10	58.99	26.4	26	28.3	25.5	26.5	26.3	29.2	23.9	85	88	80	92	83	82	5.9
25	57.98	57.94	58.75	57.02	57.51	57.88	26.6	26.7	27.4	28.2	27.5	26.3	28.3	23.9	85	83	77	72	76	84	------
26	56.48	56.53	56.92	54.91	55.58	57.21	23.8	23.1	29.8	31.8	27.7	27	31.8	22.6	91	92	69	65	76	83	------
27	56.60	57.36	58.72	57.36	58.43	59.84	26.6	25.8	29	31	27.5	25.7	32	24.4	80	88	71	65	81	90	------
28	59.21	59.82	60.47	58.37	59.16	60.81	24.8	24	29.4	30	28	25.7	30.8	23.4	93	97	79	75	82	92	------
29	59.31	58.63	59.59	58.32	59.35	59.72	24	23.2	29.4	28.8	27.8	27.2	30.8	22.9	99	99	76	78	79	86	------
30	58.89	59.22	60.09	58.56	59.29	60.98	26.5	26.7	27.7	28	26	26	29.9	24.8	83	83	81	77	92	92	5.3
31	60.44	60.49	61.09	59.12	60.16	61.08	25.9	24.1	28.1	29	27.8	27.2	30.5	23.4	88	95	80	78	85	86	------
Mean	58.04	58.14	59.02	57.01	57.72	58.99	25.4	25.1	27.8	28.5	27	25.9	29.8	23.7	89.3	90.9	81.3	77.8	83.5	87.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	547.9

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	SW	WSW	S	Calm	SW	36.7	63.3	50.7	45.6	196.3	9	A.-Cu. W	N. WSW	8	A.-Cu. WSW	S.-Cu. SW
2	SW	SW	SW	SSE	SW	SW	58.1	58.9	60.9	50.1	228	3	A.-cu., ci. WSW	S.	1	Ci.	Cu.-N. W
3	SW	SW	Calm	NW	Calm	Calm	61.2	46.4	48.3	----	------	2	Ci. E	S.	10	Ci.	S.-Cu. W
4	SW	Calm	ENE	NNW	Calm	Calm	40.2?	25.9	21.1	39.7	126.9	7	A.-Cu. WNW	S.-Cu. W	7	Ci. NE	Cu. N
5	Calm	ESE	Calm	N	Calm	SW	-----	42.4?	58.7	41.5	------	10	Ci.	N. NE	9	Ci.-S.	S.-Cu. NE
6	SW	SW	Calm	N	NW	SW	62	33.6	53.4	43.3	192.3	7	Ci. E	Cu.-N.	9	Ci.	Cu.-N. W
7	Calm	Calm	NW	NW	Calm	Calm	34.1	61.5	104.4	50.7	250.7	9	Ci.	S.-Cu. NE	10	Ci.	S.-Cu., N. NE
8	Calm	SW	W	SW	SW	SW	36.5	41.6	61.4	80.3	219.8	10	----------	Fr.-N. W	10	A.-Cu.	S.-Cu. SW
9	SW	SW	SW	SSW	SW	Calm	41.8	55	75.8	35.6	208.2	10	Ci.-S.	S. SW	8	Ci.	Cu. W
10	SW	SW	SW	SW	SW	SW	36.4	36	68.1	55.8	196.3	10	A.-Cu.	S.-Cu. W	9	Ci.-Cu.	S.-Cu. SW
11	Calm	Calm	S	SE	SSE	SW	18.8	58.7	87.5	38.1	203.1	9	A.-Cu. S	S.-Cu. S	8	A.-Cu. S	Cu. S
12	SW	SW	NW	NW	NW	E	66.6	51.8	98.7	79.7	296.8	9	Ci.-S.	S.-Cu. NNE	7	Ci. E	Cu.
13	NW	N	N	N	NE	N	125.2	151.6	170.9?	123.6	571.3	10	Ci.	S.-Cu. N	9	A.-Cu. E	S.-Cu. NE
14	NW	N	N	N	N	N	114.1	188.5	192.1	182.4	677.1	10	Ci.	S.-Cu. NE	10	Ci.-S.	S.-Cu. NE
15	N	N	N	NE	NE	NNE	222.1	237.9	269.6	255.9	985.5	10	Ci.-S.	N. NE	8	Ci.	N. NE
16	N	NE	NE	NE	NE	NE	270.4	300.8	346.2	366.3	1,283.7	10	Ci.-S.	N. NE	10	Ci.-S.	N. NE
17	NE	E	E	SE	SE	SE	262.5	166.5	94.8	62	585.8	10	----------	N. E	10	Ci.-S.	N. E
18	Calm	SE	SSE	WSW	Calm	Calm	39.2	53.9	49.7	35.7	178.5	7	Ci.	S.-Cu. S	7	Ci.	Cu. SSW
19	SW	NW	NE	NE	NE	NE	47.3	98.4	176.4	163	485.1	6	A.-Cu. E	S.-Cu.	9	A.-Cu. E	S.-Cu. NE
20	NNE	NE	NNE	N	N	NE	148.9	234	273.8	249.8	906.5	9	Ci.	S.-Cu. NE	10	Ci.-S.	N. NE
21	N	E	NE	NW	N	ENE	190.5	100.9	137.3	127.4	556.1	10	Ci.	N. NE	10	Ci.-S.	N. N
22	NE	E	N	NE	ENE	NE	131.4	114.6	123.1	102.2	471.3	10	----------	N. NE	10	A.-Cu. E	S.-Cu. NE
23	NE	Calm	N	NW	NW	N	61.5	90.9	138.9	126.3	417.6	7	Ci.	S.-Cu. NE	8	Ci.	S.-Cu. NE
24	N	N	NE	NE	N	E	156.6	144.3	139.5	139.2	579.6	10	Ci.	S.-Cu., N. NE	10	Ci.	N., S.-Cu. NE
25	N	N	N	N	N	NW	188.3	220.8	200.5	114.6	724.2	9	Ci.	S.-Cu. N	10	Ci.-S.	S.-Cu., N. N
26	SW	SW	SW	W	SW	SW	78.3	59	70.2	87.4	294.9	7	Ci.-S. ENE	S. N	10	Ci.-S., A.-Cu. NNW	Cu.
27	SW	S	SW	SE	S	Calm	54.9	72.9	60.2	28.7	216.7	9	Ci.-S. NE	S. SW	9	Ci.-S.	S.-Cu. S
28	SW	SW	Calm	N	NE	SW	40.8	27.1	51.7	35.6	155.2	3	Ci. NE	S.	7	Ci.-S. E	Cu.
29	SW	SW	E	NW	N	N	48.1	46.5	111.8	118.3	324.7	2	Ci.	Cu.	8	Ci.	S.-Cu. NE
30	E	N	NW	Calm	NW	N	86.1	89.8	106.7	74.8	357.4	9	A.-Cu. ESE	S.-Cu. NE	10	A.-Cu. E	S.-Cu. NE
31	NW	Calm	N	N	NE	N	24.4	33.8	-----	-----	------	4	Ci.	S.-Cu. N	9	Ci.	Fr.-Cu. NE
Mean	------	------	------	------	------	------	92.8	97	116.7	101.8	424.6	8	----------	----------	8.7	----------	----------

ATIMONAN.

[$\phi = 14°\ 00'$ N; $\lambda = 121°\ 55'$ E; barometer above sea, 4.1 meters; gravity correction not applied, −1.74 mm.]

NOVEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.72	59.83	60.63	58.36	59.37	60.07	26.8	26.8	28.4	28.6	27	27	29.5	25.5	84	84	85	80	88	89	20.8
2	59.06	59.41	60.14	57.77	58.95	60.22	26.9	26.4	28.5	29	26.4	26.1	30.5	24.7	87	89	78	79	87	89	------
3	59.51	59.67	60.32	58.29	59.18	60.18	24.4	23.6	28.9	26.6	26.5	24.6	30	23	92	95	77	90	84	94	6.4
4	59.40	59.44	60.33	58.39	59.10	60.47	24	23.2	28.3	28.5	27.5	26.8	29.9	22.6	93	98	81	81	81	83	1.8
5	59.68	59.97	61.03	59.19	59.44	59.89	26.4	26	25.9	27.6	26.4	26.6	28.3	25.6	80	77	83	79	84	84	8.9
6	58.14	58.28	58.86	56.71	57.62	59.06	26.9	26.9	26.4	26.1	26.1	26.5	27.3	25.1	83	83	87	94	88	84	34.3
7	58.34	59.42	60.72	59.24	59.69	61.02	26	26.2	28	27.4	26.6	26.2	29.2	25	87	86	81	81	84	85	------
8	60.47	60.80	61.66	59.41	59.88	60.77	25.8	23.4	28.5	28.5	27.2	26.6	30.4	23.3	86	96	78	81	84	83	------
9	60.24	59.82	60.36	58.11	58.59	59.84	26	26.4	28.4	28.9	27	26.5	29.5	25.6	87	84	77	76	83	85	.8
10	59.32	59.24	60.27	58.53	58.93	59.90	26.4	26.3	28.4	28.5	27	27	29.3	24.9	85	85	77	72	82	88	3.8
11	59.72	59.94	61.04	59.24	60.09	60.98	26.1	26	28.6	28.5	26.9	26.6	29.6	25.2	85	85	80	80	86	87	6.3
12	60.54	60.40	61.21	58.99	59.67	60.15	26.6	26.7	29	28	27.5	27	29.6	25.4	84	83	78	84	80	84	.3
13	59.50	59.41	59.84	58.06	58.98	59.70	26.2	26.5	28.9	29.4	27.4	27	30	25.5	86	84	76	74	84	83	4.6
14	58.72	59.04	60.08	58.18	59.16	59.84	26.4	25	25.7	27.1	26.5	26.8	28.3	24.4	85	90	90	84	83	82	5.2
15	59.64	59.77	60.72	59.06	59.22	60.23	26.1	25.5	26.3	26.2	26	25.8	27.8	24.9	87	91	88	86	87	93	31.3
16	59.42	59.64	61.06	58.56	58.96	59.70	25.2	25.2	25.1	26.8	26	26	27.5	23.9	92	92	91	86	88	89	54.4
17	58.56	59.21	60.25	57.97	59.24	59.83	25.9	24.1	25.8	27.9	26.3	26.3	28.8	23.7	88	97	88	80	86	88	.3
18	58.95	59.07	59.86	57.35	58.63	59.74	26	25.8	26.9	28.4	27	26	30	24.9	89	90	82	80	83	88	2.5
19	58.55	59.05	59.95	57.73	58.34	59.72	26	26	28.6	28.2	27	26.7	29.5	25.4	87	87	76	75	83	86	------
20	58.64	58.62	59.08	57.47	57.94	58.40	26.9	26.5	28.4	29	26.8	26.2	29.4	25.3	81	84	78	75	86	86	50.8
21	57.18	58.15	59.29	57.30	58.27	59.69	24.9	25	26	26	26	26	26.6	23.8	97	97	85	85	83	79	19.9
22	58.70	58.65	59.52	57.91	59.10	59.93	25.9	26	26.6	26.6	25.1	25.4	28	24.2	77	76	76	83	88	88	2.3
23	59.09	59.04	60.09	57.84	58.22	58.82	25.8	25.8	27.1	25.7	26.4	26	27.4	23.9	81	80	78	79	81	84	8.2
24	57.70	57.69	58.60	56.74	57.99	58.04	25.6	26	27.5	27.2	25.4	25.5	27.8	24.2	88	86	77	80	89	87	2.8
25	55.96	53.61	54.67	52.95	54.13	56.55	25.2	24.5	25	26.4	26.4	23.9	26.9	23.3	89	95	98	90	86	94	32
26	56.91	57.56	58.81	56.62	57.41	59.36	23.8	23.1	27.6	28.6	27	26.5	30	22.7	91	95	81	71	77	82	------
27	59.06	59.36	59.94	57.99	58.68	59.03	26	23.5	27	27.5	27	27	29	23	88	96	84	87	86	84	10.2
28	57.58	57.98	58.89	55.60	56.85	57.82	26.4	26.1	27.5	27	26	26	27.6	24.9	92	94	85	86	94	91	36.6
29	56.35	56.64	58.45	56.94	58.50	59.27	26	25	24.5	24.5	24.6	23.5	26.5	23.1	89	94	95	92	93	96	31
30	58.52	58.64	59.56	57.69	59.26	60.23	23.3	22.9	24.9	28.5	25	23.8	29	22.4	95	97	88	70	92	97	15.3
Mean	58.77	58.91	59.84	57.81	58.65	59.62	25.8	25.3	27.2	27.6	26.5	26.1	28.8	24.3	87.2	89	82.6	81.3	85.3	87.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	390.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	N	NE	N	N	NE	------	------	------	183.4	------	9	Ci.	S.-Cu. NE	8	Ci. ENE	S.-Cu. NE
2	NE	NE	ENE	NE	Calm	E	152.7	117.8	126.5	30.4	427.4	8	Ci.	S.-Cu. NE	8	Ci.-Cu.	Cu, E
3	SW	SW	SE	E	NW	SW	52	32.7	57.1	44.1	185.9	3	A.-Cu. E	Cu.	8	Ci.	S.-Cu. SE
4	S	SW	NW	NE	NE	E	56.8	37.5	101.1	101.6	297	1	A.-S.	Cu.	9	Ci.	S.-Cu. NE
5	NE	NE	NNE	NNE	N	N	104.8	136.8	217.9	202.6	662.1	6	Ci.-S. SE	S.-Cu. NE	10	Ci.-S.	S.-Cu. NE
6	NNE	NE	NNE	NE	NE	E	245.2	311.9	279.7	112.5	949.3	10	Ci.-S.	N. NE	10	Ci.-S.	N. NE
7	NE	E	E	NE	NE	NE	75.4	73.7	77.8	48.5	275.4	10	Ci.-S.	S.-Cu. E	9	Ci.-S. E	S.-Cu. E
8	NE	E	E	NE	NE	NE	42.6	52.3	183.6	113.8	392.3	5	Ci.	S.-Cu. E	8	Ci.-S. N	S.-Cu. NE
9	NE	E	NE	NE	NE	NE	78.3	124.4	189.9	120.1	512.7	4	A.-S.	S.-Cu. NE	6	Ci.-Cu. NE	Cu. NE
10	E	NE	NE	NE	NNE	NE	111	158.2	200.5	191	660.7	5	Ci.-Cu.	Fr.-Cu. NE	4	Ci.	Fr.-Cu. NE
11	NE	NE	NE	NE	NE	NE	107.3	109.4	182.4	169.6	568.7	1	A.-S.	S.	9	A.-Cu. E	Cu. NE
12	NE	NE	NE	N	NE	NE	153.9	154	211.6	182.2	701.7	10	Ci.-S.	S.-Cu. NE	10	Ci.	S.-Cu. NE
13	NE	NE	NE	NE	NE	NE	141	145.6	147.9	123.9	558.4	6	Ci.-Cu. NE	S.-Cu. NE	4	A.-Cu. E	Cu. NE
14	N	N	N	NE	NE	NE	101.9	74	87.9	147.3	411.1	9	Ci.	S.-Cu. NE	10	Ci.-S.	N. NE
15	N	N	N	N	N	N	188.9	191.8	192	122.3	695	10	A.-Cu.	S.-Cu. NE	10	Ci.-S.	S.-Cu., N.NE
16	N	N	N	N	NE	NE	157.2	165.5	171.9	102.5	597.1	10	Ci.-Cu.	S.-Cu., N.NE	6	A.-Cu. ENE	Cu. NE
17	NE	N	N	NW	NE	N	127.6	56.1	113.2	80.8	377.7	10	Ci.-S.	N. NE	4	Ci.	Cu.
18	N	N	N	NW	N	NE	107.3	55.8	122.9	66.2	352.2	4	Ci.-Cu.	S.-Cu. NE	4	A.-Cu.	Cu. NE
19	NE	N	NE	N	N	N	54.9	97.6	131.5	125.8	409.8	5	------	S.-Cu. NE	3	------	Cu. NE
20	N	N	N	NE	N	N	117	155.3	176.7	180.9	629.9	4	Ci.	Fr.-Cu. NE	5	Ci.	Cu. NE
21	NE	N	N	N	N	NE	186.2	226.9	251.1	242.7	906.9	10	Ci.-S.	N. NE	9	A.-Cu. E	S.-Cu. NE
22	N	N	N	NNE	N	N	234	213.8	206.6	196.6	851	10	Ci.	S.-Cu., N.NE	9	A.-Cu. NE	S.-Cu. NE
23	NE	NE	NNE	NNE	N	N	179.1	201.2	239.6	218.3	838.2	4	Ci. SE	Cu. NE	9	A.-Cu. NE	S.-Cu. NNE
24	N	NNE	NE	NE	NNE	N	233.7	271.4	335.9	332	1,173	10	Ci.-S.	S.-Cu. NE	9	Ci.-S. ENE	S.-Cu. NE
25	N	N	NNE	NE	E	SE	387.6	411.4	182.4	73.5	1,054.9	10	Ci.-S.	N. NNE	10	Ci.-S.	S.-Cu. NE
26	SE	SW	E	N	N	N	37.6	26.2	84	78.7	226.5	5	Ci.	Cu. SSE	5	Ci.	Cu. S
27	N	Calm	NW	NW	NE	NNE	69.7	99	155.9	189.9	514.5	9	Ci.	S.-Cu. NE	9	Ci.-S.	S.-Cu., N.NE
28	NNE	NE	NE	NE	NE	NE	194.5	221.5	258.1	207.6	881.7	10	Ci.-S.	N. NE	10	Ci.-S.	N. NE
29	NE	NE	E	Calm	SE	SE	110.2	114	37.6	35.7	297.5	10	Ci.-S.	N. NE	10	Ci.-S.	S.-Cu., Fr.-N.SE
30	SE	SW	S	S	S	SW	27.9	52	62.8	38.8	181.5	9	A.-Cu. S	S.-Cu. S	9	Ci.-S.	S.-Cu. S
Mean	------	------	------	------	------	------	132.3	141	165	135.4	572.1	7.2	------	------	7.8	------	------

ATIMONAN.

[$\phi = 14°\ 00'$ N; $\lambda = 121°\ 55'$ E; barometer above sea, 4.1 meters; gravity correction not applied, −1.74 mm.]

DECEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.92	60.63	61.45	59.47	61.19	61.98	23.6	23.2	27.8	25.6	24.7	23.2	29.2	22.4	95	97	84	91	94	95	40.6
2	61.15	61.32	62.44	59.74	60.09	61.50	22.5	22	26.9	27.7	26.5	26	31.5	21.6	99	99	86	75	80	84	13
3	59.92	59.88	60.28	57.88	58.35	59.32	25.9	25.8	26.8	27	26.4	25.5	28.3	24.4	85	85	85	84	85	89	1.8
4	58.24	58.07	58.84	56.22	56.72	57.94	25.5	26.3	27.9	28.4	26	24.5	29.5	23.5	87	80	74	69	88	87	------
5	56.51	56.99	58.38	56.33	57.32	58.70	23.2	22 6	28.9	29.1	25.4	24.1	31.2	22	93	93	69	78	93	98	8.1
6	58.58	59.28	60.20	58.69	59.77	61.27	23.1	23	27	29	26.4	26.1	29.2	22.5	97	97	84	72	81	82	3.8
7	60.83	61.03	62.10	60.40	60.94	61.98	25.9	25.4	25.9	27	25.8	25.5	27.5	24	78	84	81	74	74	71	2.1
8	61	60.94	62.01	60.07	60.87	62.04	25	24.3	26.3	26.4	25.5	25.4	27.4	22.5	79	84	78	73	75	71	13.7
9	61.51	61.48	62.88	60.84	61.70	62.79	23.7	24.6	26.3	24.2	24.3	24	27	22.6	85	82	76	93	90	91	14.8
10	61.76	61.85	62.86	61.74	62.25	62.83	24.7	23.8	25.7	24.5	25.2	24.5	25.8	23	87	93	78	87	80	86	9.7
11	61.60	61.54	62.73	61.13	61.63	62.58	24.1	24	25.4	24.8	25.4	24.5	26.1	23	94	95	88	83	85	94	4.6
12	61.73	61.64	62.83	60.97	61.22	62.27	25	24.7	26.9	27.9	26.1	26.1	28.2	24.5	88	88	80	77	82	82	1.8
13	61.48	61.71	62.82	60.78	61.29	62.55	25.2	25.5	27	27	26	26	27.6	24.3	89	87	80	80	87	87	1.6
14	61.99	62.08	62.92	60.64	61.22	62.13	24	25.5	26	27.4	25.3	25.4	27.8	23.3	98	88	86	84	90	90	1.8
15	61.13	61.09	62.24	60.34	61.08	62.24	25.2	24.1	27.5	28.7	26.5	25.9	29.9	23.7	92	95	81	77	86	85	3.6
16	61.18	61.34	62.25	60.07	61	61.95	25.4	24.5	26	27.5	26.2	25.4	28.7	23.6	85	87	77	79	75	80	1
17	60.49	60.43	61.59	59.58	60.05	61.09	24.9	24.6	27	29	26.4	26.1	30	24.4	86	87	80	74	82	82	------
18	60.17	60.23	60.99	58.38	58.90	59.66	25.2	25	27.4	28.4	26	25.5	28.9	24.8	83	85	77	72	76	72	------
19	58.42	58.77	60.10	57.92	58.78	59.63	22.8	21.5	27	28.6	25.5	22.4	29.9	21	88	95	74	60	79	92	------
20	59.01	59.22	60.20	58.64	59.05	59.75	22	21.8	26.4	27.4	26.5	26	28.4	21.1	96	95	76	84	83	85	.3
21	59.25	59.59	60.57	58.43	59.04	60.35	26	25.4	27.8	28.3	26.2	25.9	28.9	25	83	83	75	71	80	85	------
22	59.70	59.87	61.38	59.53	59.98	61.89	25.6	25.8	27.5	28	26.3	25.6	28.8	25.3	83	81	76	71	75	78	------
23	61.29	61.67	63.04	61.47	61.08	62.35	25.9	25.9	26.5	24.4	26	26.1	28.2	24	73	72	70	80	77	79	------
24	61.50	60.97	62.33	60.12	60.99	61.99	25.3	25.5	25.2	26	25.5	23.9	26.3	22.8	83	83	80	80	82	94	19.1
25	61.79	61.33	62.13	61.10	61.84	62.05	23.7	24	24.9	25.2	26.2	26	26.8	22.7	94	94	92	86	78	79	34.6
26	61.99	62.07	62.73	60.24	60.04	61.88	23	24	25.4	26.8	25.5	24.5	27	22.2	96	91	87	85	90	95	------
27	60.77	61.14	62.19	60.27	61.10	61.47	22	21.3	28.2	27.4	25.7	25.6	29.7	20.8	96	96	80	81	90	94	2.5
28	60.49	61.18	62.24	60.18	60.98	61.79	24.8	24.8	27	27.8	26.4	26.2	29	23.3	93	92	82	82	85	89	------
29	60.68	61.44	62.97	61.20	62.01	62.54	26	25.6	25.7	25.6	25	25.3	26.8	24.2	88	89	91	90	93	92	16.2
30	62.20	61.85	63.13	61.22	61.44	62.47	25	25.2	26	27.7	25.6	25.8	28.7	24.3	92	89	84	79	91	87	5.8
31	61.46	61.39	62.64	60.33	61.30	62.23	25	25.6	27.3	26.5	26	24.9	28.4	23.8	91	88	83	87	89	87	61
Mean	60.57	60.71	61.79	59.80	60.43	61.46	24.5	24.4	26.7	27.1	25.8	25.2	28.4	23.2	88.9	88.8	80.5	79.3	83.7	85.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	261.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	SW	SE	SE	SW	SW	45.7	31.7	41.5	38.1	157	9	A.-Cu. SE	S.	8	A.-Cu. SE	N. S
2	SW	SW	NW	N	N	NE	57.4	72.1	112.4	115.3	357.2	5	Ci.	S.-Cu. NE	8	Ci.-S. E	Cu. NE
3	N	N	N	NNE	N	N	121	147.1	135.2	130.6	533.9	9	Ci.	S.-Cu. NE	8	Ci.-S. E	S.-Cu. NE
4	NE	N	NW	Calm	SW	SW	149.5	108.8	34.8	44.9	338	10	Ci.-S.	S.-Cu. N	10	Ci.-S.	S. N
5	SW	SW	Calm	E	SW	SW	-----	-----	42.8	58.4	------	9	Ci.-S.	s.-cu. NNW	10	Ci.-S.	S.-Cu. W
6	SW	SW	NE	NE	NE	NE	52.5	47.8	122	114	336.3	8	A.-Cu. E	S.-Cu. NE	7	Ci.	Cu. NE
7	NE	NE	NNE	NE	N	NE	167.5	207.6	232.8	199.1	807	10	Ci.	S.-Cu. NE	7	A.-Cu.	s.-cu. NNE
8	N	N	NE	NE	NE	N	192.9	204.6	230.7	216.8	845	10	Ci.-S.	N. N	8	A.-Cu. NE	S.-Cu. NE
9	NE	NE	NE	NE	NE	NE	184.6	208.1	260.1	288.3	941.1	6	----------	s.-cu. NNE	10	Ci.	N. NE
10	NE	NE	NE	NE	NE	NE	275.5	299.9	282.6	273.8	1,131.8	10	----------	N. NE	10	----------	N. NE
11	NE	NE	NE	NE	NE	E	253.2	196.3	234.4	123.9	807.8	10	----------	N. NE	9	Ci.-Cu.	S.-Cu. NE
12	NE	NE	NE	NE	NE	NE	134.6	182.7	196.9	178.1	692.3	9	A.-Cu. E	N. ENE	7	Ci.	Cu. NE
13	NE	NE	NE	NE	NE	NE	152.1	206.2	201.9	125.3	685.5	7	Ci.	S.-Cu. NE	9	Ci.	S.-Cu. NE
14	Calm	N	N	N	NE	NE	85	123.1	172.8	86.7	467.6	5	Ci.-Cu. E	S.-Cu. NE	9	Ci.	Cu.,S.-Cu. NE
15	N	Calm	NE	NE	NE	NE	45.1	39.1	118	120.7	322.9	9	Ci.	S.-Cu. NE	4	Ci.	Cu. E
16	NE	NE	E	NE	NE	NE	78.1	81.9	166.9	134.2	461.1	8	Ci.	S.-Cu. NE	4	Ci.	Cu. E
17	NE	NE	NE	NE	NE	NE	79.5	50.5	114.3	138.4	382.7	9	Ci.	S.-Cu. E	4	Ci.	Cu. NE
18	NE	NE	NE	NE	NE	N	79.4	69	197.3	158.8	504.5	7	A.-Cu. NE	S.-Cu. NE	7	Ci.	Cu. NE
19	SW	Calm	NW	Calm	Calm	SW	-----	-----	37.3	----	------	6	Ci.	S.-Cu. NE	6	Ci. E	S.
20	SW	SW	N	NE	NE	NE	-----	-----	179.9?	165	------	10	Ci.-S.	S.-Cu. NE	9	Ci.	S.-Cu., N. NE
21	NE	NE	NE	N	NE	NE	167.6	169.6	171.9	115.3	624.4	9	Ci.	S.-Cu. NE	4	Ci.	Cu. NE
22	NE	NE	NE	NE	NE	NE	126.5	178	179.2	177	660.7	6	Ci.	S.-Cu. NE	4	Ci.-Cu.	Cu. NE
23	NE	NE	NE	N	NE	NE	189.4	203.8	201.8	182.1	777.1	7	Ci.-Cu. E	S.-Cu. NE	10	Ci.-S.	S.-Cu. NE
24	NE	NE	NE	NNE	NNE	NE	188.9	246.5	234.2	252.5	922.1	10	Ci.-S.	S.-Cu. NE	10	Ci.	S.-Cu. NE
25	NE	NE	NE	NE	NE	NE	212.1	209.8	223.9	238.5	884.3	9	Ci.	N. NE	10	Ci.	N. NE
26	NE	NE	NE	NNE	NNE	Calm	147.6	124.4	167.1	41.8	480.9	7	A.-S.	S.-Cu. NE	10	A.-Cu.	N.,S. Cu. NE
27	W	WSW	NNE	NEbyN	NNE	NE	-----	-----	159.5	76.9	------	5	A.-Cu. E	S. ENE	10	A.-Cu. E	S.-Cu. NE
28	N	NWbyN	NWbyN	NW	N	NNE	40.8	81.5	114.1	116.4	352.8	8	Ci.	S.-Cu. NE	4	----------	S.-Cu. N
29	NE	NE	NNE	N	NNE	NE	133.6	138.1	188.6	151.1	611.4	10	----------	N. NE	10	Ci.	N. NE
30	NE	NE	NE	EbyN	NNE	NE	91.1	88	118.5	138.4	436	9	Ci.	S.-Cu. NE	10	A.-Cu.	S.-Cu. ENE
31	NE	NEbyN	NE	NNE	NE	NE	168.2	187.7	194.7	174.4	725	7	Ci.	S.-Cu. NE	9	A.-Cu.	S.-Cu., N. NE
Mean	------	------	------	------	------	------	134.1	144.6	163.5	145.8	601.7	8.2	----------	----------	7.9	----------	----------

PARACALE.

[ϕ=14° 17′ N; λ=122° 47′ E; barometer above sea, 5.3 meters; gravity correction not applied, —1.73 mm.]

JANUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.74	61.14	61.68	59.53	60.32	61.12	24.7	22	28.3	27	25.6	23.4	30	21.7	78	93	72	81	87	96	5.1
2	60.73	61.24	62.56	60.68	61.44	62.39	22.4	22.2	25.9	29.4	25.5	25.4	30	22	96	98	85	66	80	80	.5
3	61.36	61.97	63.44	61.43	61.94	62.61	25.4	25.3	27.6	28.3	25.5	25.4	29.3	25.1	80	81	66	68	80	80	6.1
4	61.90	62.20	62.93	61.33	61.85	62.18	25.2	23.9	27	26.3	24.6	24.4	28.1	23.4	82	91	81	86	93	93	52.9
5	61.73	61.95	62.67	60.97	61.41	61.49	24	24.1	26.1	26.6	25.9	25.4	27.2	23.1	93	91	80	77	77	80	3.3
6	61.15	61.68	62.63	60.81	61.66	61.49	25.2	24.9	27.5	28.6	25.5	24.8	29.5	24.4	79	80	73	67	80	85	.8
7	60.99	61.72	62.88	60.99	61.52	61.53	25.2	24.9	27	27.6	25.6	24.4	28.9	24.1	79	79	77	69	75	81	2.6
8	61.38	61.60	62.24	60.13	61.01	61.33	23	21.9	24.4	27.1	25.4	24.9	29	21.8	89	96	92	72	77	82	5.6
9	60.78	61.38	61.97	59.81	60.82	61.23	24.7	23.3	27.6	28.9	24.9	22.5	30.8	22	83	93	77	63	88	96	------
10	61.15	61.88	62.68	60.97	62.19	62.33	21.8	21.6	25.5	24.4	24.4	23.8	28.3	21	98	99	92	93	91	97	17.5
11	62.08	62.79	63.76	61.48	62.53	63.19	24	22.4	27.1	27.6	25.6	24.9	30.1	22	97	97	80	81	87	89	6.7
12	62.08	62.93	64.12	61.54	62.46	63.45	24	23.9	25.9	27	24.9	25.4	28.5	23.5	95	97	85	78	89	80	5.4
13	62.85	63.03	63.88	61.86	62.59	63.99	25.2	24.4	27.4	27.6	25.1	23.8	28.5	21.7	80	84	75	70	79	82	------
14	63.28	63.51	64.60	62.07	62.43	63.28	21	20.5	28	28.9	24	22.9	29.7	19.9	95	97	72	68	87	90	------
15	62.58	62.94	64.39	62.43	63.70	64.13	24.2	22.9	25.9	24.4	24.6	23	29.6	22.5	82	89	78	92	87	97	3
16	63.20	63.83	64.65	62.69	62.93	64.35	21.7	21.2	26.6	27.3	25	22.4	29.5	21	96	98	79	76	87	96	.5
17	63.48	63.56	64.91	63.28	63.73	64.68	22.2	22.5	28	29	25.2	24.5	29.8	21.5	98	96	71	68	81	83	.5
18	63.19	63.58	64.66	62.62	62.91	63.90	22.5	20.5	27.6	29.5	25.8	23.4	30.3	20	94	95	70	64	83	97	2.3
19	63.60	64.05	65.29	63.49	63.99	64.47	22.6	21.9	28.4	28.9	24.4	25.4	30	21.6	97	96	72	71	85	78	2.3
20	63.73	63.82	64.99	62.89	63.07	64.07	24.7	24.5	26.6	28	25	24.4	29.8	23.4	79	79	73	64	76	76	------
21	62.84	63.25	64.64	62.88	63.18	64.15	24.1	22.9	28	28	24	22.5	29.3	20.8	77	83	61	60	83	88	------
22	63.09	63.15	64.57	62.43	62.58	63.15	20.3	23.8	27.4	27.6	24.4	23.9	29.1	19.8	94	77	67	66	75	78	.3
23	61.70	62.55	63.92	61.99	62.42	63.55	20.4	18.9	27.5	29.3	25.3	22.2	29.8	18.8	96	99	67	62	77	94	------
24	63.01	63.40	64.59	62.71	62.56	63.63	21	20.5	24.6	26	25	23.2	28.3	19.9	95	95	89	84	88	97	6.1
25	62.56	63.14	64.37	62.38	62.88	63.55	22.7	21	27	29	25.4	25	29.6	20.6	94	100	73	64	80	83	5.8
26	62.58	63.43	64.82	62.98	63.74	65.06	24.2	21	25.4	28.3	25.9	22.6	29.4	20.7	86	95	80	69	72	96	50.3
27	64.81	65.02	65.81	63.69	64.09	65.60	22.1	22.3	26.4	29	25.1	25	29.8	21.1	97	97	82	71	83	80	21.6
28	64.02	64.27	65.42	62.88	63.47	64.48	24.2	24.5	26.8	29	25.4	25	29.8	24	86	83	75	68	75	80	.8
29	63.75	63.88	64.94	62.62	62.89	63.98	25	24.8	27.1	28.7	25.7	22.5	29.3	22.1	77	75	72	66	79	96	3.3
30	62.64	62.89	64.01	62.31	62.61	63.63	21.9	21.4	28	26.2	24.2	25	28.5	21	96	97	74	79	86	83	10.5
31	62.50	62.85	64.28	61.84	62.39	63.28	23	22	23.4	27.1	24.8	23.2	28.6	21.9	91	97	92	76	88	96	11.9
Mean	62.43	62.86	63.95	61.93	62.49	63.27	23.3	22.6	26.8	27.8	25.1	24	29.3	21.8	89	91.2	76.8	72.2	82.4	87.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	225.7

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	Calm	ENE	E	E	Calm	52	45.3	53.1	27.9	178.3	6	Ci.	Cu. E	10	Ci.-S.	Cu. E
2	Calm	Calm	NE	NE	ENE	ENE	21.2	66.8	78.6	100.6	267.2	7	Ci.	Cu. NE	4	Ci.	Cu. NE
3	ENE	ENE	ENE	ENE	ENE	ENE	136.2	104.4	88.8	88.7	418.1	10	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu. ENE
4	ENE	Calm	E	E	E	E	62.6	80.2	116.5	113.7	373	7	Ci.	Cu. E	10	Ci.-S.	S.-Cu. E
5	E	E	ENE	ENE	ENE	ENE	122	126	171.1	105.4	524.5	10	Ci.-S.	S.-Cu. E	10	Ci.-S.	Cu. ENE
6	ENE	ENE	ENE	ENE	ENE	ENE	107.8	114.5	113.8	100.3	436.4	6	Ci.	Cu. ENE	1	Ci.	Cu. NE
7	ENE	ENE	ENE	ENE	ENE	ENE	136.8	136.8	127.1	97.4	498.1	3	Ci.	Cu. ENE	3	Ci.	Cu. NE
8	ENE	WSW	Calm	ENE	E	E	32.7	37.3	80	66.5	216.5	10	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu. ENE
9	E	Calm	ENE	ENE	E	Calm	48.5	41.8	63.3	12.4	166	3	Ci.	Cu. E	2	Ci.	Cu. E
10	Calm	Calm	Calm	NNE	Calm	Calm	19	24.6	48	22.2	113.8	10	Ci.-S.	Cu. E	10	Ci.-S.	N.
11	Calm	Calm	NE	NE	Calm	NE	19	27.4	48.9	75.8	171.1	8	Ci.-S.	Cu. NE	10	Ci.-S.	Cu. NE
12	NE	NNE	NE	E	E	ENE	102.5	103.6	96.9	102.4	405.4	10	------	N.	10	Ci.-S.	Cu. ENE
13	NE	NNE	ESE	E	E	Calm	112.7	99.5	102.7	48.8	363.7	10	Ci.-S.	Cu. E	2	Ci.	Cu. E
14	Calm	Calm	ENE	NE	Calm	Calm	7.7	51.8	64.7	18.7	142.9	3	Ci.	Cu. E	3	Ci.	Cu. ENE
15	ENE	ENE	ENE	SE	NE	Calm	56.1	75.8	50.5	30.4	212.8	2	Ci.	Cu. NE	10	Ci.-S.	Cu. E
16	Calm	Calm	ENE	ENE	Calm	Calm	14.3	56.1	63.8	17.9	152.1	10	Ci.-S.	Cu. E	6	Ci.	Cu. E
17	Calm	Calm	ENE	E	E	ENE	14.3	63.3	69.5	49.1	196.2	10	Ci.-S.	Cu. NE	2	Ci.	Cu. E
18	Calm	Calm	ENE	E	ENE	Calm	16.6	45.3	72.1	27.4	161.4	5	Ci.	Cu. E	3	Ci.	Cu. E
19	Calm	Calm	ENE	NE	ENE	ENE	19.6	56.6	103	122.8	302	6	Ci.	Cu. NE	4	Ci.	Cu. NE
20	ENE	ENE	E	E	E	E	110.5	95	87.9	61	354.4	4	Ci.	Cu. NE	6	Ci.	Cu. ENE
21	E	Calm	ESE	ESE	Calm	Calm	42.4	74.3	83.4	24.9	225	10	Ci.-S.	Cu. NE	2	Ci.	Cu. E
22	Calm	E	ENE	ESE	Calm	ESE	28.5	82.4	68.7	23.5	203.1	6	Ci.	Cu. ENE	4	Ci.	Cu. ENE
23	WSW	Calm	E	E	NE	Calm	19.3	30.4	55.2	22.2	127.1	2	Ci.	Cu. E	2	Ci.	Cu. E
24	Calm	Calm	E	E	NE	Calm	14	31.1	52	19.6	116.7	1	Ci.	Cu. E	10	Ci.-S.	Cu. E
25	Calm	Calm	E	E	E	E	8	46.2	75.8	60.9	190.9	2	Ci.	Cu. E	1	Ci.	Cu. E
26	E	Calm	Calm	NE	NE	Calm	45.3	30.9	78.9	39.6	194.7	10	Ci.-S.	S.-Cu. E	4	Ci.	Cu. NE
27	Calm	Calm	NE	ENE	NE	NE	21.7	43.3	82.9	66	213.9	10	------	N.	5	Ci.	Cu. ENE
28	ENE	ENE	ENE	NE	ENE	ENE	67.4	90.4	82.4	81.8	322	7	Ci.	Cu. ENE	3	Ci.	Cu. ENE
29	ENE	ENE	NE	NE	E	Calm	77.4	81	79.2	17.4	255	4	Ci.	Cu. ENE	2	Ci.	Cu. ENE
30	Calm	Calm	E	E	Calm	ENE	18.2	33.8	55.8	51.2	159	9	Ci.	Cu. ENE	10	Ci.-S.	Cu. ENE
31	Calm	Calm	ESE	NE	Calm	Calm	44.8	28.4	34.3	12.6	120.1	10	Ci.-S.	S.-Cu. E	8	Ci.-S.	Cu. E
Mean	------	------	------	------	------	------	51.6	65.3	79	55.1	251	6.8	------	------	5.7	------	------
Total	------	------	------	------	------	------	------	------	------	------	7,781.4	----	------	------	----	------	------

PARACALE.

[ϕ=14° 17′ N; λ=122° 47′ E; barometer above sea, 5.3 meters; gravity correction not applied, —1.73 mm.]

FEBRUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	62.49	62.81	63.75	61.52	62.23	63.09	22.8	22.5	26.5	28.6	25.1	22.3	29.3	21.6	96	96	80	70	83	97	1
2	62.19	62.59	64.12	62.02	62.91	63.81	21.8	21.4	26.8	28.1	25.6	25	29.4	20.5	95	96	82	73	80	83	4.3
3	61.93	62.88	64.17	62.17	62.59	63.47	25	25	26.4	26.5	25.2	24.9	28	24.2	80	80	80	72	77	80	------
4	61.88	62.84	64.11	62.63	63.38	63.95	24.3	21.1	28	29	25	25	29.9	21	83	99	70	65	87	83	5.6
5	63.44	63.70	64.96	63.49	63.70	64.76	25.1	24	25.5	24.1	25.1	25	27	23.4	83	91	80	91	77	80	4.8
6	63.80	64.15	65.37	63.58	63.96	64.86	25	24.4	25	27.9	25	24.5	29	23.3	78	80	81	64	72	77	.8
7	64.05	64.58	65.55	63.42	63.86	64.76	24.4	24.3	28	28	25	24.5	29.3	23.7	76	77	65	67	73	73	------
8	63.50	64.14	64.82	62.67	63.32	64.33	23.4	20.4	27.7	28.5	24	23	29.4	20.2	76	96	65	64	83	87	------
9	63.10	63.80	64.24	61.93	62.86	63.51	20.7	19.5	27.5	29	25	24.5	30.1	19.4	94	99	67	63	77	79	------
10	62.53	62.58	63.74	61.66	61.72	62.56	22.4	25	27.9	29	25.3	23.9	30	22	98	83	69	65	76	88	------
11	61.53	61.94	63.29	61.90	62.17	63.13	21.8	23.4	28.5	29.4	25	21.5	30.4	20.9	93	90	70	65	80	96	------
12	61.71	62.03	62.92	60.81	61.09	62.18	21.3	21.1	28.4	29	26	23.1	30.3	20.8	95	97	68	68	76	90	8.4
13	60.98	61.13	61.92	59.52	60.06	60.91	23.7	24.2	28.1	29	25.6	24.5	29.8	22.5	85	82	70	68	79	84	------
14	60.10	60.43	61.54	59.27	59.37	60.93	21.9	21.5	26.9	29.7	26.2	26	30.6	20.6	94	95	77	70	76	81	4.8
15	59.82	60.18	61.32	59.42	60.01	61.47	24.1	25	26.9	28.9	26.1	25.5	30.3	23.3	91	90	85	76	90	92	11.5
16	60.44	60.46	61.93	59.55	59.79	61.14	25.1	24.9	28.5	29	26.5	25.4	30.6	24.5	94	96	81	78	88	93	5.7
17	60.33	60.37	62.02	59.61	59.88	60.93	25	24.6	28	29.6	26.4	24.2	30.4	24	93	96	85	77	85	97	------
18	60.38	60.57	62.31	60.71	61.27	62.28	23.4	22.9	25	28.8	24.8	25.4	29.8	22.6	97	97	95	79	93	88	17.2
19	62.12	62.58	63.93	62.34	62.43	63.96	25.3	25.6	27.4	27.2	25.8	25.5	29.2	23	86	83	78	81	84	84	11.7
20	63.03	63.17	64.21	62.41	62.40	63.65	25.2	25.2	26	26	25.1	24	27	23	83	82	76	74	83	91	20.5
21	62.68	62.58	63.18	61.52	61.38	62.44	24.1	24.3	25	26.5	24.3	24	27.3	22	91	91	92	88	92	87	35.6
22	61.85	62.10	63.07	60.98	61.01	61.99	21.7	20.5	27.7	30	26.2	25	30.4	20.4	94	100	79	69	82	92	3.1
23	61.70	61.94	62.87	60.67	61.02	61.87	24.3	23	24	27	25.9	25.5	27.8	22.5	94	96	97	80	83	88	7.7
24	60.73	60.88	61.86	59.97	60.29	61.29	24	23.5	28	28	26	25.3	29.3	22.8	93	96	77	76	76	81	------
25	60.94	61.52	62.61	60.81	60.93	61.61	24.8	23.5	29.4	29.4	25.8	24.6	29.8	23.3	83	91	72	68	81	87	------
26	60.35	61.03	62.34	60.20	60.68	62.14	23	23	28.5	29	26.4	25.5	30.3	22.8	93	91	68	68	79	84	------
27	60.68	60.69	62.18	59.93	60.07	60.92	25.1	24.5	28	29.6	25.2	25.1	30.3	24	83	84	74	70	92	92	1.8
28	59.78	60.43	61.83	59.08	59.19	60.88	22.6	21	28	29.4	26.2	25.8	30.4	20.8	93	97	74	65	79	84	------
29	60	60.53	62.06	60.11	60.01	60.86	23	22.2	28.5	28.5	26	25.2	30	22	96	97	74	73	82	82	------
Mean	61.66	62.02	63.18	61.17	61.50	62.54	23.6	23.2	27.2	28.4	25.5	24.6	29.5	22.2	89.3	91.3	76.9	72	81.6	86.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	144.5

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	Calm	E	Calm	Calm	17.5	30.3	43.3	7.2	98.3	10	Ci.-S.	Cu.	4	Ci.	Cu. E
2	Calm	Calm	N	NNE	NNE	NNE	15.1	48.9	95.3	96.3	255.6	10	Ci.-S.	Cu. NE	7	Ci.	Cu. N
3	NE	NE	NE	NE	NNE	NNE	102.7	101.1	100.1	70.8	374.7	8	Ci.-S.	Cu. NNE	9	Ci.	Cu. NNE
4	NE	Calm	NE	ENE	ENE	ENE	44.3	44.3	73.8	88.7	251.1	4	Ci.	Cu. NE	3	Ci.	Cu. ENE
5	ENE	NE	ENE	ENE	ENE	ENE	112.7	133.6	110.4	98.2	454.9	10	Ci.-S.	Cu.-N. E	10	Ci.-S.	S.-Cu. E
6	ENE	E	ENE	E	E	E	103.2	90.6	96	72.7	362.5	10	Ci.-S.	Cu. E	4	Ci.	Cu. E
7	ENE	NE	E	E	ESE	E	68.7	93.6	90.7	69	322	5	Ci.	Cu. E	4	Ci.	Cu. E
8	WSW	Calm	E	E	Calm	Calm	20.9	57.9	77.5	18.5	174.8	2	Ci.	Cu. E	3	Ci.	Cu. E
9	Calm	Calm	ESE	ENE	ENE	ENE	13.7	44	67.4	40.8	165.9	2	Ci.	Cu. E	3	Ci.	Cu. E
10	Calm	ENE	ENE	ENE	ENE	Calm	38.1	86.1	75.3	30.9	230.4	10	Ci.-S.	S.-Cu. E	10	Ci.-S.	Cu. E
11	Calm	E	ENE	ENE	ENE	Calm	23.6	59	81.3	16.7	180.6	6	Ci.	Cu. E	2	Ci.	Cu. E
12	Calm	Calm	NE	E	E	E	15.8	83.2	82.6	54.1	235.7	4	Ci.	Cu. E	3	Ci.	Cu. E
13	E	E	ESE	ENE	ENE	ENE	46.4	71.4	68.4	33.8	220	4	Ci.	Cu. E	2	Ci.	Cu. E
14	Calm	Calm	NNE	NNE	NNE	NNE	12.3	43.8	62.3	44	162.4	6	Ci.	Cu. ENE	10	Ci.-S.	Cu. NNE
15	Calm	Calm	NNE	NE	Calm	NE	18.3	88.5	74.3	45.3	221.4	10	Ci.-S.	Cu. NNE	6	Ci.	Cu. NE
16	ENE	ESE	ENE	ENE	ENE	NE	45.6	61.8	68.4	52.5	228.3	10	Ci.-S.	S.-Cu. NE	8	Ci.-S.	Cu. ENE
17	Calm	ENE	NE	NE	Calm	Calm	26.9	55.2	73.5	11	166.6	10	Ci.-S.	Cu. E	2	Ci.	Cu. ENE
18	Calm	Calm	ENE	NE	NE	NE	9.5	38.6	83.7	106.2	238	3	Ci.	Cu. E	6	Ci.	Cu. E
19	NE	NE	NE	NE	NE	NE	132.6	136.2	172.2	169.5	610.5	8	Ci.-S.	Cu. NE	10	Ci.-S.	Cu. NE
20	NE	NE	NE	NE	NE	NE	181.2	206	212.4	188.3	787.9	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	Cu. NE
21	NE	NE	ENE	ENE	ENE	Calm	153.5	145.1	115.3	58.1	472	10	----------	N. ENE	10	Ci.-S.	S.-Cu. ENE
22	Calm	Calm	NE	ENE	Calm	Calm	15	36	58.9	22.7	132.6	2	Ci.	Cu. ESE	3	Ci.	Cu. SE
23	Calm	Calm	N	ENE	ENE	SSE	25.2	79.9	87.2	68.4	260.7	10	----------	N.	10	Ci.-S.	Cu. E
24	Calm	Calm	NE	NE	NE	NE	23.3	59.5	97.9	70.2	250.9	4	Ci.	Cu. E	8	Ci.-S.	Cu. E
25	NE	Calm	ENE	ENE	ENE	ENE	51	73.5	76.2	43.1	243.8	8	Ci.-S.	Cu. E	5	Ci.	Cu. E
26	Calm	Calm	ESE	NE	NE	NE	32	60.2	80.2	63.4	235.8	4	Ci.	Cu. E	2	Ci.	Cu. E
27	NE	E	ENE	NE	NE	Calm	53.1	77.7	94.6	27.9	253.3	5	Ci.	Cu. E	3	Ci.	Cu. E
28	Calm	Calm	SE	E	E	E	10	52.3	78.4	49.7	190.4	1	Ci.	Cu.	0	----------	Cu.
29	Calm	Calm	ESE	NE	ENE	ENE	18.5	59.2	73.4	62.5	213.6	6	Ci.	Cu. E	9	Ci.-S.	Cu. E
Mean	------	------	------	------	------	------	49.3	76.3	88.7	61.4	275.7	6.6	----------	----------	5.7	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	7,994.7	----	----------	----------	----	----------	----------

PARACALE.

[$\phi = 14°\ 17'$ N; $\lambda = 122°\ 47'$ E; barometer above sea, 5.3 meters; gravity correction not applied, —1.73 mm.]

MARCH, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.08	60.32	62.24	60.51	60.36	61.99	22.9	25	27.1	29.5	26	25.5	30.3	22.8	97	88	76	70	80	80	
2	61.23	61.70	63.28	61.47	61.39	62.64	25.2	25	29	28.6	26	25.5	29.8	24.5	80	79	68	73	83	84	4.1
3	61.92	62.07	63.64	61.75	61.80	62.14	25.1	24.1	26.5	29.4	26.4	25.1	30.3	23.4	86	95	88	73	81	87	2
4	61.48	62.20	63.34	61.57	61	61.97	22.9	22.3	28.5	28.9	26.1	25	30.6	21.5	96	97	70	65	76	76	
5	60.43	60.89	62.28	60.55	60.81	62.16	25	23	28.5	29.8	26.5	24.2	30.4	22.5	76	91	75	69	85	90	3.8
6	61.32	61.64	62.78	60.83	61.06	62.13	23.2	22.4	28	30	27	26	31.2	22	93	97	77	71	80	85	
7	61.16	61.77	63.07	61.30	61.48	62.51	25.6	23.5	28.5	28	25.9	24.5	30	23.2	85	96	75	81	91	96	4.5
8	61.53	62.15	63.51	61.25	61.41	62.63	23.4	22.4	28.4	30	26.6	26	31.3	22.2	93	99	75	70	87	87	
9	62.03	63.10	63.93	62.10	61.66	62.56	23.1	22	29	30.5	26.7	25	31.2	21.5	90	96	71	65	74	80	
10	61.78	62.53	63.84	61.45	60.88	61.65	22.1	21.3	28.2	30	26	23	31	20.9	91	95	72	62	76	91	
11	60.40	60.55	61.68	59.57	59.26	60.85	21.1	20	28	30.5	26.8	23	31	19.6	94	95	71	62	74	96	
12	58.66	58.87	59.84	57.87	58.01	59.28	22.1	21	29.5	30.1	27	25	31.8	20.7	96	95	71	69	83	92	
13	58.27	59.17	60.61	58.56	58.52	59.98	23	22	30.4	31	28.3	25	32	21.5	94	96	72	69	76	92	
14	59.45	59.90	61.38	59.56	59.83	61.14	23.7	23	30.5	31	27.6	25	32	22.6	94	96	68	69	82	93	
15	60.02	60.70	62.21	60.12	60.32	60.96	23	22	30	30.5	27.5	26	31.7	21.8	96	98	69	64	76	84	
16	60.13	60.90	62.47	60.35	60.25	61.56	22.7	22	29.5	30.6	26.2	23.5	31.7	21.8	94	96	62	61	76	92	
17	61.04	61.78	63.41	60.86	60.70	62.36	21.6	21	29.5	30	26.8	25.5	31.3	20.5	93	95	67	62	74	80	
18	61.49	61.82	63.58	61.88	61.94	63.63	25.1	24.8	30.4	30.5	26	23.5	31.6	22.5	80	81	63	60	80	90	18.3
19	62.38	62.85	64.27	61.98	61.83	63.26	24	23	24.6	24.5	25	25.9	26.6	22.5	91	96	91	88	83	81	28.6
20	61.88	62.03	63.48	61.29	61.38	63.42	26.1	24.7	28.5	29	26.1	25.3	30	23.7	79	90	66	69	86	89	.5
21	62.18	62.52	64.09	62.28	62.66	63.83	23.4	23.5	28.1	29.5	26.8	25.5	30.6	22.6	98	96	71	71	81	89	10.9
22	63.06	63.55	64.49	62.58	62.63	63.43	24.3	24.1	29.6	29.8	26.6	26	30.8	23.8	94	93	73	69	86	88	4.1
23	62.36	62.61	63.76	61.78	61.50	62.33	25.3	25.2	29.1	29.7	26.5	26.2	30.8	24	91	90	76	73	82	84	
24	61.78	62.52	63.42	61.62	62.32	63.57	24	22.3	29	30.4	27.3	26.5	30.8	22	96	99	74	69	81	84	.5
25	62.98	63.06	64.19	62.03	62.31	63.64	25.4	25	29.5	30.4	27	23.5	31.7	21.9	88	90	74	66	77	92	
26	62.72	63.31	63.94	61.52	61.66	63.32	21.5	20.1	28.9	27.5	24.3	25.5	30.4	20	95	99	71	77	85	84	2.3
27	62	62.48	63.72	61.78	61.76	62.91	25	24.3	29.4	30.4	27	25.6	31.3	23.3	88	89	68	66	77	83	
28	61.82	61.97	63.56	61.31	61.53	62.58	25.4	25.8	30.5	30.1	27.4	25.5	31.3	24.6	88	85	68	71	81	86	
29	61.49	61.73	63.43	61.90	61.90	63.13	25.7	25.8	29	30.5	27.5	26.1	31.6	25	83	85	74	68	76	82	3
30	62.02	62.21	63.38	61.94	62.27	63.57	25.7	25.8	29.6	31	27.2	26.4	31.8	25.4	83	81	67	65	78	78	
31	61.96	62.03	63.38	61.71	61.85	62.99	26.2	26.3	30.4	30.3	26	24.5	32.6	23.2	81	80	66	71	86	90	22.9
Mean	61.32	61.77	63.10	61.14	61.17	62.39	24	23.3	28.9	29.7	26.6	25.1	31	22.5	89.8	92.2	71.9	69	80.4	86.6	
Total																					105.5

Day.	Wind.										Clouds.						
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	ESE	NE	NE	ENE	ENE	31.4	72.4	101.6	74.5	279.9	10	Ci.-S.	Cu. E	4	Ci.	Cu. E
2	ENE	ENE	NE	NE	NE	NE	65.2	100.8	94.4	102.2	362.6	8	Ci.-S.	Cu. E	4	Ci.	Cu. E
3	NE	Calm	ENE	ENE	ENE	ENE	42.9	45.4	88	59.3	235.6	10	Ci.-S.	Cu. E	4	Ci.	Cu. E
4	Calm	Calm	ESE	ENE	E	E	7.4	63.9	77.5	73	221.8	2	Ci.	Cu.	2	Ci.	Cu. E
5	E	Calm	E	ENE	E	WSW	49.4	44.1	96.1	51.2	240.8	10	Ci.-S.	Cu. E	5	Ci.	Cu. E
6	Calm	Calm	ENE	ENE	ENE	ENE	13.5	42.8	78.3	55.3	189.9	3	Ci.	Cu.	2	Ci.	Cu. E
7	ENE	Calm	ENE	ENE	ENE	Calm	30.3	52.6	67.4	42.6	192.9	5	Ci.	Cu. E	10	Ci.-S.	Cu. E
8	Calm	Calm	E	NE	NE	NE	3.2	46.4	90.4	35.4	175.4	1	Ci.	Cu. E	0	Ci.	Cu. E
9	Calm	Calm	NE	NNE	NE	NE	5.8	42.8	79.2	42	169.8	0		Cu.	3	Ci.-Cu.	Cu. E
10	Calm	Calm	NE	NE	NE	Calm	14	50.2	76.1	23.5	163.8	6	Ci.	Cu. E	2	Ci.	Cu. E
11	Calm	Calm	NE	E	Calm	Calm	19	39.7	55	13.5	127.2	2	Ci.	Cu.	3	Ci.	Cu. E
12	Calm	Calm	NNE	NNE	Calm	Calm	17.7	42	53.1	17.5	130.3	0	Ci.	Cu.	2	Ci.	Cu. SW
13	Calm	Calm	ENE	NE	ESE	Calm	13.9	35.2	56.6	22.3	128	4	Ci.	Cu.	3	Ci.	Cu. SW
14	Calm	Calm	ENE	NNE	NNE	Calm	11.1	46.1	77.9	15.3	150.4	5	Ci.	Cu.	2	Ci.	Cu.
15	Calm	Calm	NE	NE	NE	Calm	7.4	49.6	77.2	32	166.2	5	Ci.	Cu.	2	Ci.	Cu. E
16	Calm	Calm	E	NE	ESE	Calm	11.6	48.5	84.2	23.9	168.2	1	Ci.	Cu. E	0	Ci.	Cu.
17	Calm	Calm	E	NE	E	E	11.9	47.8	75.8	53.9	189.4	6	Ci.	Cu. E	2	Ci.	Cu. E
18	E	ESE	NE	ENE	NE	NE	59.8	76.4	112.7	104.1	353	4	Ci.	Cu. E	9	Ci.-S.	Cu. E
19	ENE	ENE	ENE	ENE	ENE	ENE	141.6	153.7	140	120.7	556	10		N. E	10		Cu.-N. ENE
20	ENE	ENE	ENE	ENE	ENE	ENE	104.6	95	65.7	19.6	284.9	10	Ci.-S.	S.-Cu. ENE	10	Ci.-S.	Cu. ENE
21	Calm	Calm	ENE	ENE	ENE	ENE	6.1	52.8	83.9	70.8	213.6	5	Ci.	Cu. ENE	7	Ci.	Cu. ENE
22	Calm	ENE	ENE	ENE	ENE	ENE	43.8	89	102.4	75.6	310.8	10	Ci.-S.	Cu. ENE	3	Ci.	Cu. ENE
23	ENE	ENE	ENE	ENE	ENE	ENE	105.1	112.1	101.7	78.9	397.8	10	Ci.-S.	Cu. ENE	4	Ci.	Cu. ENE
24	Calm	Calm	ENE	ENE	ENE	ENE	12.7	50.1	79.9	62.5	205.2	1	Ci.	Cu. E	2	Ci.	Cu. E
25	ENE	Calm	ENE	ENE	ENE	Calm	53.7	81.6	85.3	22.5	243.1	7	Ci.	Cu. E	0		Cu.
26	Calm	Calm	ENE	E	Calm	E	14.2	55.2	71.9	45.4	186.7	0		Cu. E	10	Ci.-S.	Cu. E
27	E	E	E	ENE	E	E	38.8	58.7	84.7	47.8	230	5	Ci.	Cu. E	3	Ci.	Cu. E
28	Calm	E	E	ENE	E	Calm	29.8	69.4	98.8	43.5	241.5	6	Ci.	Cu. E	2	Ci.	Cu. E
29	E	E	E	E	E	E	75.9	62.3	96.1	76.7	311	10	A.-Cu.	Cu. E	3	Ci.	Cu. E
30	E	ENE	E	E	E	E	69.7	105.2	104.9	73.5	353.3	3	Ci.	Cu. E	1	Ci.	Cu. E
31	E	E	ENE	ENE	ENE	ENE	74.5	101.1	93.5	93.1	362.2	6	Ci.	Cu. E	6	Ci.	Cu. E
Mean							38.3	65.6	85.5	53.9	243.3	5.3			3.9		
Total											7,541.3						

PARACALE.

[ϕ=14° 17′ N; λ=122° 47′ E; barometer above sea, 5.3 meters; gravity correction not applied, —1.73 mm.]

APRIL, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	61.49	61.67	63.11	61.03	61.15	62.32	24.6	24.5	29.6	30.2	26.8	26	31.1	22.1	83	81	69	66	74	81	0.5
2	61.42	61.88	62.98	61.06	61.36	62.94	24.9	23	29	29.5	26.7	25	30.8	22.6	84	96	74	75	79	88	4.1
3	61.52	61.73	63.06	61.30	61.21	62.19	24.1	24	29	29.7	24	25	31.8	22.7	91	88	65	69	91	88	2
4	60.99	61.04	62.08	60.28	60.08	61.53	25	25.1	29.9	30.4	27.2	26.4	31.6	23.8	89	91	65	69	80	82	------
5	60.27	60.32	61.35	59.97	60.27	61.31	25.4	24	30.4	30.5	28	25	31.8	23.6	87	94	69	68	74	93	------
6	60.33	60.73	61.88	60.46	60.52	61.96	24.4	23.4	30.4	30.4	28	26	32	23	95	97	69	70	77	85	------
7	60.77	60.94	62.48	60.51	60.71	62.11	26.2	25.4	30.5	31.1	28	26	32.1	25.4	82	87	68	65	74	89	------
8	60.68	61.06	62.48	60.51	61.08	62.16	26	23.9	30.4	31.2	27.4	26.5	32.3	23.8	85	92	63	64	80	84	------
9	60.87	61.34	62.12	60.76	61.11	62.37	26.1	24.2	30.2	31.3	28	25	32.3	24	85	94	70	67	77	92	.5
10	61.88	62.58	63.58	61.94	61.95	63.47	24.3	23.2	31	31.6	27.9	26.5	32.3	22.8	94	97	65	62	74	81	------
11	61.93	62.73	63.75	62.09	62.36	64.05	24.3	23	31	31.5	28.1	27.5	32.3	23	91	98	66	66	80	84	------
12	62.96	62.99	64.11	62.20	62.97	64.40	27.3	27	27.4	30.6	27.1	27	32.3	25.2	84	84	81	67	80	80	2
13	63.93	63.98	65.10	63.41	63.22	64.66	24.2	23	30	31	27.8	27	32.1	23	90	96	95	66	76	80	5.6
14	63.40	63.77	64.60	62.36	62.10	63.41	24.6	23.4	29.4	31.4	27.6	26.5	31.9	23	92	97	71	66	80	78	.8
15	62.02	62.18	63.43	61	61.57	62.76	24.4	22.5	30	30.4	27.5	26	32.3	22.4	88	98	66	69	76	84	------
16	61.33	61.53	62.90	61.29	61.58	62.56	24.4	23	29.6	31.4	27.4	26.1	32.3	22.8	88	97	70	63	81	83	------
17	61.73	61.97	62.70	60.96	61.13	62.63	25.2	23.5	30.5	31.5	27.6	26	32.4	23	85	96	59	60	73	80	------
18	61.79	61.98	62.31	60.61	60.62	61.72	23.4	22	31	31.4	28	27	32.6	21.9	88	96	62	60	76	80	------
19	60.86	61.30	62.08	60.09	60.06	61.45	24	23.1	31.6	31.6	28.4	27.4	32.8	22.9	91	97	61	63	80	84	------
20	60.24	60.58	62.15	60.25	60.37	61.96	26.2	25.2	31.3	32	28	27.1	33.8	25.1	85	92	63	63	79	81	------
21	60.47	60.54	61.55	60.31	60.66	62.07	26.5	26.2	30.5	32	28	27	33.3	25.6	82	82	68	63	77	80	------
22	60.91	61.01	61.61	59.89	60.06	61.31	26	27	31.3	32	28	27	33.3	25.3	85	83	70	67	81	84	.8
23	59.92	60.66	61.13	59.56	60.03	61.10	25.8	23.8	31	32	28.2	27	33.3	23.5	87	96	69	66	79	84	------
24	59.88	60.57	60.97	59.16	59.27	60.77	25.7	24.1	32	31.8	28	27	32.8	23.8	88	95	64	65	76	77	------
25	59.46	59.98	60.76	59.30	59.40	60.59	25.3	22.5	30.8	31.9	28	25	33	22.1	81	96	61	61	77	92	------
26	59.70	60.37	61.78	59.49	59.60	61.18	23.2	22.2	30.9	31	29	25.3	33.7	22	98	98	63	62	68	86	------
27	60.70	60.71	62.07	60.35	60.72	61.54	24.4	26	31.6	31.6	27.5	26	33.4	24	88	80	62	65	81	88	9.2
28	59.91	60.73	61.82	59.88	59.21	60.69	26.8	24.3	28	29.5	27	27	31	24	84	97	85	75	92	88	7.1
29	59.31	59.66	60.48	58.44	58.35	59.76	25.2	24.4	31.1	31	28	26.5	32.8	24.1	94	97	75	69	84	92	------
30	58.30	58.78	59.32	57.36	57.86	58.88	24.7	24	31.5	32	28.1	26	32.8	23.6	96	98	66	64	81	92	------
Mean	60.97	61.31	62.32	60.53	60.69	62	25.1	24	30.4	31.1	27.6	26.3	32.4	23.5	88	93	67.5	65.8	78.6	84.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	32.6

Day.	Wind. Direction.						Wind. Total movement in 6 hours.				Wind. Total movement in 24 hours.	Clouds. 6 a. m.			Clouds. 2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	E	ENE	ENE	E	E	61	67.1	85	58.9	272	6	Ci.	Cu. E	1	Ci.	Cu. E
2	Calm	Calm	E	E	E	E	34.4	60	81.6	29.8	205.8	2	Ci.	Cu. E	3	Ci.	Cu. E
3	E	E	ENE	E	Calm	E	39.2	58.7	63.1	25.9	186.9	0	Ci.	Cu. E	10	Ci.-S.	Cu. E
4	E	E	E	E	E	E	48.8	74.3	97.1	56.6	276.8	7	Ci.	Cu. E	3	Ci.	Cu. E
5	E	Calm	E	E	E	E	35.6	56.6	84.8	36	213	3	Ci.	Cu. E	0	Ci.	Cu. E
6	Calm	Calm	ENE	NNE	NNE	NNE	16.7	42.6	75.9	51.3	186.5	6	Ci.	Cu. NE	6	Ci.	Cu. NNE
7	NE	E	NNE	ENE	ENE	ENE	65	69	72.1	56.3	262.4	5	Ci.	Cu. NE	1	Ci.	Cu. NE
8	ENE	Calm	NE	ENE	ENE	ENE	42.8	63.1	80.2	55.3	241.4	3	Ci.	Cu. ENE	0	Ci.	Cu. NE
9	ENE	Calm	NE	NE	NE	Calm	36.8	55.8	63.3	15.6	171.5	6	Ci.	Cu. NE	4	Ci.	Cu. NE
10	Calm	Calm	NE	NE	NE	ENE	12.3	64.1	61	44.5	181.9	6	Ci.	Cu. NE	2	Ci.	Cu. NE
11	Calm	Calm	NNE	NNE	NNE	NNE	25.1	57.7	79.1	102.5	264.4	4	Ci.	Cu. NE	3	Ci.	Cu. NNE
12	NE	NE	NE	ENE	NE	NE	101.7	81.9	62.3	77	322.9	10	Ci.-S.	Cu. NE	7	Ci.-S.	Cu.
13	NE	Calm	E	ENE	E	E	69.7	61.5	89.3	73.2	293.7	10	Ci.-S.	S.-Cu. E	4	Ci.	Cu. E
14	Calm	ESE	E	E	E	E	51	66	101.7	70.8	289.5	10	Ci.-S.	S.-Cu. ESE	6	Ci.	Cu. E
15	WSW	Calm	E	E	ENE	E	9.4	54.4	89.3	42.8	195.9	1	Ci.	Cu.	3	Ci.	Cu. E
16	Calm	Calm	NE	NE	NE	Calm	14.7	51.8	80.7	44.8	192	2	Ci.	Cu. E	6	Ci.	Cu. E
17	Calm	Calm	E	E	E	E	8.5	64.2	83.7	54.1	210.5	4	Ci.	Cu. E	0	------	Cu. E
18	Calm	Calm	E	ENE	E	ENE	15.1	57.9	79.2	60.7	212.9	0	------	------	2	Ci.	Cu. E
19	Calm	Calm	E	E	E	ENE	10.8	59	90.4	69	229.2	0	Ci.	Cu.	0	------	Cu. E
20	WSW	Calm	E	E	E	E	31.6	78.9	90.1	88.5	289.1	5	Ci.	Cu. E	8	Ci.-S.	Cu. E
21	NE	NE	NE	ENE	ENE	ENE	62.6	85.1	92	61	300.7	3	Ci.	Cu. E	3	Ci.	Cu. ENE
22	Calm	E	E	NE	E	E	41.8	91.1	101.9	70.3	305.1	4	Ci.	Cu. E	3	Ci.	Cu. E
23	Calm	Calm	ENE	E	E	E	14.8	60.4	91.1	56.5	222.8	2	Ci.	Cu. E	2	Ci.	Cu. E
24	Calm	Calm	E	NE	E	Calm	11.6	68.7	96.9	43	220.2	1	Ci.	Cu. E	3	Ci.	Cu. E
25	E	Calm	E	NE	ESE	Calm	17.4	65.8	93.9	23.9	201	4	Ci.	Cu. E	0	Ci.	Cu. E
26	Calm	Calm	E	NE	E	E	11.1	55.5	89.6	40.5	196.7	0	------	Cu.	0	------	Cu.
27	E	E	E	NE	NE	E	46.4	88.8	87.9	43.7	266.8	1	Ci.	Cu. ENE	7	Ci.	Cu. E
28	E	Calm	ENE	ENE	E	E	50.7	45.9	83.7	51	231.3	8	Ci.-S.	Cu. NE	10	Ci.-S.	Cu. NE
29	Calm	Calm	E	NE	E	Calm	4.6	56.5	93.1	35.7	189.9	6	Ci.	Cu. E	4	Ci.	Cu. E
30	Calm	Calm	NE	NE	E	Calm	11.6	64.9	86.9	14	177.4	2	Ci.	Cu. E	0	------	Cu.
Mean	------	------	------	------	------	------	33.4	64.2	84.2	51.8	233.7	4	------	------	3.4	------	------
Total	------	------	------	------	------	------	------	------	------	------	7,010.2	----	------	------	----	------	------

PARACALE.

[$\phi = 14° 17'$ N; $\lambda = 122° 47'$ E; barometer above sea, 5.3 meters; gravity correction not applied, —1.73 mm.]

MAY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58	58.70	59.33	57.55	57.38	59.38	24	23	31.5	31.5	27.4	26	33.1	22.7	91	98	66	66	85	90	------
2	58.50	59.25	59.98	58.77	59.07	61.41	24	23.1	31.5	31.5	28	27	33.2	22.9	97	99	63	65	74	80	------
3	60.49	60.98	61.95	60.16	60.36	62.01	26.2	24.8	31.2	30.4	29.1	25.5	32.7	24	85	93	64	63	70	92	------
4	60.79	61.29	61.90	59.87	59.76	60.73	24.4	23.5	31	32	28.1	25.1	33.3	23.2	95	97	65	63	77	91	------
5	59.78	60.32	60.77	58.45	58.65	59.62	23.1	22.3	32	32.1	29.3	24.5	33.4	22.1	93	97	57	57	69	92	------
6	58.59	58.95	59.40	57.66	57.87	59.51	23.3	23	31.5	32.7	30	26.1	34.2	22.5	95	96	61	57	70	91	------
7	58.75	59.38	59.63	58.11	58.36	59.36	25.2	24.2	32.7	33	29.5	26.4	34.3	23.9	93	95	60	61	75	90	------
8	58.93	59.41	60.70	58.57	58.29	59.66	25.3	24.9	28	32.5	28.7	25.2	33.5	24.4	93	92	79	58	75	92	------
9	58.48	58.79	59.58	58.06	58.77	60.07	24.6	24.1	30.2	32.1	29	27.5	33.7	23.5	93	94	70	63	74	78	1
10	59.39	60.16	61.17	59.82	60.32	61.48	26	24	32	32	29.4	27.4	33.4	23.8	84	92	62	60	71	78	------
11	60.46	60.93	61.56	59.54	59.56	60.88	26.4	26	32	33	29.5	26.5	34.3	25.8	85	87	58	58	71	84	------
12	59.48	59.98	60.35	58.49	58.61	59.52	25.7	24.5	31.2	30.5	30	27	34.1	24.1	88	96	64	69	70	84	------
13	58.28	59.16	59.55	57.61	57.66	59.01	24.6	24	33	33.8	30	27.5	34.8	23.5	95	96	63	55	71	84	------
14	57.83	58.74	59.95	58.04	58.65	59.55	25	24.6	31	34	30.6	28	35.2	24.3	93	95	72	58	71	86	------
15	57.81	58.65	59.76	58.04	57.84	59.71	25.6	25	33	33.4	31	28.2	34.8	25	93	96	61	62	72	83	------
16	57.67	58.44	59.24	57.78	57.50	58.88	25.5	24.6	32.5	34.1	30.4	27.6	35	24.4	92	96	63	61	76	91	------
17	57.62	58.06	59.46	57.80	57.91	59.48	25.1	24.8	34	34.5	30.4	27.5	35.1	24.3	95	93	59	62	69	88	------
18	58.38	58.93	60.26	58.93	59	60.10	25.1	24.8	33	33.6	29.4	26.6	34.7	24.2	95	93	67	64	75	87	------
19	58.80	59.28	60.10	58.53	58.38	59.23	24.5	24.3	28	31.4	29	27.5	32.5	24	96	97	92	73	80	90	2.5
20	57.98	58.56	58.78	57.86	57.56	58.30	25.2	25	33.4	30.4	30	28	34.3	24.7	97	96	65	66	77	88	------
21	57.89	58.58	59.36	57.85	58.43	59.77	25.2	25	33	29	28.5	25.4	34.8	24.2	94	92	63	85	84	88	6.1
22	58.54	58.64	59.62	58.05	58.14	59.25	24.2	23.8	31.7	33.1	26	25	33.9	23.4	94	95	68	65	88	95	------
23	58.48	58.55	59.37	58.15	57.90	59.81	24	24.1	33	29.4	29	26	34.9	23.6	94	93	63	75	85	96	13.7
24	58.43	58.48	58.63	57.03	57.06	58.63	25	24.7	31.4	33	28.5	26.5	34	24.6	96	97	73	67	81	92	------
25	57.61	58.13	58.31	55.91	56.04	57.79	24.6	24.9	32.4	33	30.4	26.4	34	24.2	97	96	70	65	72	93	------
26	56.63	57.11	58.37	56.36	57.23	58.32	25.2	25	33	34.1	29.4	26.1	35	24.4	93	94	67	64	73	91	------
27	56.88	57.14	57.97	56.15	57.05	59.59	25.2	25.1	33.5	34.4	31.1	24.5	35.3	24.5	94	94	61	61	74	93	11.7
28	58.08	58.46	59.35	57.78	58.66	60.16	24.2	24	32	33.9	30	28.5	34.3	23.5	93	94	69	59	75	85	------
29	59.31	59.57	59.87	58.33	58.59	59.87	26.2	25.4	33.1	33.1	30.3	26.5	35	25.2	94	97	67	66	75	92	------
30	58.90	58.96	59.70	58.14	57.70	59.04	25.3	25	32	30	31.4	26	34.8	24.7	96	96	72	71	76	94	12.2
31	58.30	58.48	59.01	57.23	58.09	59.18	24.8	25	32	33.9	28.6	23.8	34.3	23.2	97	95	66	65	73	93	.8
Mean	58.55	59.03	59.77	58.08	58.25	59.65	24.9	24.4	31.9	32.4	29.4	26.4	34.2	24	93.2	94.9	66.1	64	75.1	88.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	48

Day.	Wind.										Clouds.						
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	E	NE	E	Calm	5.1	52.1	87.9	29.3	174.4	0		Cu. E	0	Ci.	Cu. E
2	Calm	Calm	E	NE	NE	NE	9.5	57.9	93.6	59.5	220.5	1	Ci.	Cu. E	0		Cu. E
3	WSW	Calm	NE	NE	NE	Calm	31.7	66.2	84.3	23.5	205.7	3	Ci.	Cu. E	7	Ci.-S.	Cu. E
4	Calm	Calm	NE	NE	NE	Calm	9.4	62.3	74.3	21.1	167.1	5	Ci.	Cu. E	0	Ci.	Cu. E
5	Calm	Calm	NE	NE	NE	Calm	12.6	57.9	71	19	160.5	4	Ci.	Cu. ENE	0	Ci.	Cu.
6	Calm	Calm	NE	NE	ESE	Calm	14.7	44	63.1	24.1	145.9	1	Ci.	Cu.	1	Ci.	Cu.
7	Calm	Calm	NE	NE	E	Calm	11.5	39.4	67.4	22.2	140.5	0	Ci.	Cu.	1	Ci.	Cu.
8	Calm	Calm	WSW	W	Calm	Calm	10.5	43.7	46.4	9.9	110.5	10	Ci.-S.	Cu. SW	5	Ci.-S.	Cu. WSW
9	Calm	Calm	ENE	NE	ENE	ENE	15.9	56.8	94.8	59.7	227.2	10	Ci.-S.	Cu. WSW	4	Ci.	Cu.
10	Calm	Calm	NE	NE	E	NE	22.7	63.1	100.8	56.5	243.1	1	Ci.	Cu.	0	Ci.	Cu. E
11	Calm	Calm	ESE	NE	ENE	ENE	37.5	84.7	87.4	35.4	245	1	Ci.	Cu. E	0	Ci.	Cu.
12	Calm	Calm	NE	E	E	Calm	12.3	60.2	67.6	23.8	163.9	1	Ci.	Cu. E	4	Ci.	Cu.
13	Calm	Calm	NE	NE	E	NE	14.2	48.6	64.9	28.2	155.9	0	Ci.	Cu.	1	Ci.	Cu.
14	Calm	Calm	NE	NE	NE	NE	10.5	48	63.6	47	169.1	2	Ci.	Cu.	6	Ci.	Cu. SW
15	Calm	Calm	NE	NE	NE	NE	13.9	48.3	58.9	33.8	154.9	3	Ci.	Cu.	2	Ci.	Cu. SW
16	Calm	Calm	NE	NE	E	Calm	13.9	39.2	65.8	35.2	154.1	3	Ci.	Cu.	6	Ci.	Cu. SW
17	Calm	Calm	E	NNW	Calm	Calm	10.5	35.4	52.5	24.3	122.7	8	Ci.-S.	Cu.	5	Ci.	Cu. SW
18	Calm	Calm	NE	NE	E	Calm	16.3	51	77	32.7	177	0	Ci.	Cu.	2	Ci.	Cu. E
19	Calm	Calm	Calm	NNE	NNE	Calm	16.4	28	64.9	22	131.3	2	Ci.	Cu. E	9	Ci.-S.	Cu. ENE
20	Calm	Calm	NE	SW	NE	Calm	10.7	55.8	67.4	24.7	158.6	1	Ci.	Cu.	10	Ci.-S.	S.-Cu. E
21	Calm	SW	ENE	NE	Calm	Calm	19.9	48	33.3	26.6	127.8	3	Ci.	Cu.	10	Ci.-S.	Cu. E
22	WSW	Calm	NE	ENE	Calm	Calm	24.9	37.3	53.3	21.7	137.2	10	Ci.-S.	Cu.	8	Ci.-S.	Cu. ENE
23	Calm	Calm	NE	Calm	Calm	Calm	21.5	44.1	33.8	8.3	107.7	2	Ci.	Cu.	10	Ci.-S.	S.-Cu. sw
24	Calm	Calm	NE	NE	ESE	Calm	18	38.3	58.2	16.3	130.8	4	Ci.	Cu. SW	4	Ci.	Cu. NNE
25	Calm	Calm	NE	NE	E	Calm	17.5	43.8	63.4	16.7	141.4	3	Ci.	Cu.	2	Ci.	Cu. NE
26	Calm	Calm	NNE	ENE	Calm	Calm	15.5	42.3	56.1	14.3	128.2	3	Ci.	Cu. W	2	Ci.	Cu. W
27	Calm	Calm	NE	NE	Calm	SW	16.7	43	56.9	42.1	158.7	0	------	Cu.	2	Ci.	Cu.
28	Calm	Calm	NE	NE	ENE	Calm	18.2	36.7	57.7	19.3	131.9	3	Ci.	Cu.	3	Ci.	Cu. SW
29	Calm	Calm	NE	NE	E	Calm	8.3	43.3	66.2	15.9	133.7	0	Ci.	Cu.	3	Ci.	Cu. NE
30	Calm	Calm	ENE	SW	Calm	Calm	22.8	45.3	40.2	12.7	121	0	Ci.	Cu.	10	Ci.-S.	Cu.-N. sw
31	Calm	Calm	SE	NE	Calm	SW	19.6	41.2	49.9	42.8	153.5	1	Ci.	Cu.	7	Ci.	Cu. SW
Mean	------	------	------	------	------	------	16.2	48.6	65.2	28	158.1	2.7	------	------	4	------	------
Total	------	------	------	------	------	------	------	------	------	------	4,899.8	------	------	------	------	------	------

PARACALE.

[ϕ=14° 17′ N; λ=122° 47′ E; barometer above sea, 5.3 meters; gravity correction not applied, —1.73 mm.]

JUNE, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.30	58.57	59.31	57.58	58.41	60	23.2	23.4	31.6	33.1	30.2	27	34.8	23	94	92	66	66	77	92	------
2	59.67	60.04	60.34	59.01	58.80	60.26	25.3	25	33.4	33	30.5	28.1	34.3	24.8	98	98	65	67	74	85	2.8
3	59.38	59.88	60.26	58.73	58.50	59.53	26	25.5	32.1	33.4	30.4	27.5	34.3	25	94	96	72	65	74	91	------
4	57.78	58.34	58.83	57.40	57.21	58.74	25.5	25	31	32.5	30.2	27	34.3	24.7	93	95	72	67	78	92	8.6
5	57.78	58.19	58.58	56.61	57.54	58.82	25.5	25	32.1	30.5	30.5	26.5	34.8	24.5	96	94	72	68	72	93	3.1
6	58.50	58.86	58.67	56.64	57.30	59.13	25.2	25	33.6	33.5	31	26.7	34.8	24.2	95	95	63	64	72	91	------
7	58	58.84	58.86	56.15	56.65	58.50	25.3	25.3	33	34.3	30	27	34.8	24.8	96	93	69	63	78	92	------
8	57.08	57.50	58.37	56.98	57.06	59.09	26.3	26	33.5	31.4	29.6	26	34.8	25	90	90	61	70	74	95	1.5
9	57.75	58.28	58.30	56.73	57.63	59.51	25.3	25.5	33	33	27	25.5	35.3	24.4	98	96	64	67	88	96	8.1
10	58.40	58.87	59.32	56.96	57.60	59.55	24.5	24.6	32.3	33.5	32.5	27.8	34.6	23.9	96	95	64	66	63	90	------
11	58.58	58.96	59.91	58.08	58.01	59.73	25.2	25	32.5	32.4	29.4	26.5	33.8	24.5	92	92	66	67	75	90	------
12	58.98	58.99	59.57	57.22	58.03	59.16	26.2	25.5	31.5	32	29.6	26	33.3	25	90	92	66	76	77	96	8.4
13	58.58	58.94	59.31	57.82	57.30	59.79	25.2	25.8	31	27	28.6	26.1	32.3	24.9	96	93	69	88	83	91	11.4
14	58.53	58.79	59.38	57.26	57.45	59.61	25.3	25.4	31	32	29.4	26.5	34.3	24.6	96	95	69	69	79	88	------
15	57.80	57.64	58.32	56.70	56.99	58.37	26	25.2	32.1	32	30	27	35.3	24.7	90	94	69	69	81	94	------
16	56.55	56.59	57.17	55.99	56.04	57.25	25.2	25	31.8	33.2	29.4	27.5	35.8	24.3	94	93	64	69	86	88	------
17	55.67	56.29	56.24	54.89	55.69	57.17	25.4	26.5	32.1	33	31	28.4	35.6	25	92	88	69	61	69	79	------
18	56.41	56.72	56.89	55.42	56.49	57.53	27.5	27.2	32	33.6	31.6	28	36.3	26.9	85	87	66	58	65	85	------
19	56.53	57.08	56.71	54.87	55.69	57.43	27.3	26	33	35	30.4	28	36.8	25.4	88	93	64	54	72	85	------
20	56.16	56.38	56.59	55.04	55.62	57.13	26.6	27	32	33.1	32	28	35.7	26	91	88	64	58	69	82	------
21	56.03	56.33	56.65	55.26	55.89	57.76	26.2	26.8	33.5	36	31.3	28	37	25.8	89	86	61	50	66	81	------
22	56.87	57.28	57.72	56.37	56.90	58.43	26.2	25.6	33	35	30.6	27.3	36	24.8	90	88	56	54	75	85	------
23	57.76	57.97	58.03	56.98	56.84	58.35	26.5	25.8	33.6	32.8	32.2	26.9	35.3	25.2	88	90	61	68	68	93	.8
24	57.58	57.89	57.56	56.01	56.80	59.02	25.7	25.8	33.5	35.2	32.4	24	36.4	24	96	93	57	57	70	93	10.7
25	57.84	57.96	58.11	56.58	56.63	58.91	24.2	24.4	32.2	33.9	31.4	27.2	35.5	24	95	97	63	62	72	84	------
26	57.76	57.92	58.37	57.21	56.99	59.15	26.2	25.6	32.9	32	31.5	26	34.8	25.3	92	96	65	66	74	97	.8
27	57.84	57.90	57.78	56.27	56.48	58.38	25.2	25.4	33	34.6	31.6	27.5	36.4	24.9	96	95	61	61	72	92	------
28	56.96	57.34	57.32	55.75	56.13	58.10	25.8	25.3	32.5	33.9	32.4	27.4	36.4	24.9	95	93	60	62	68	93	------
29	57.26	57.43	57.57	56.54	56.80	58.71	27.2	27	33.3	32.5	25.2	24.7	35.1	24.2	87	86	60	74	95	98	9.1
30	58.15	58.21	58.58	57.16	57.90	59	24.3	24.7	32.4	33	26	24.6	34.3	23.9	97	95	67	67	92	95	9.1
Mean	57.68	58	58.29	56.67	57.05	58.74	25.6	25.5	32.5	33	30.3	26.8	35.1	24.8	93	92.6	64.8	65.1	75.3	90.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	74.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	Calm	SW	NE	ENE	Calm	24.4	33.3	63.9	16.4	138	10	Ci.-S.	Cu.	8	Ci.-S.	Cu. E
2	Calm	Calm	ENE	ENE	ENE	ENE	11.8	54.1	88.5	44.9	199.3	6	Ci.	Cu. E	2	Ci.	Cu. E
3	wsw	Calm	NE	NE	E	Calm	18.2	58.9	75.9	20.3	173.3	3	Ci.	Cu. ENE	2	Ci.	Cu. E
4	Calm	Calm	NE	Calm	E	Calm	15.8	41.5	40.7	13.7	111.7	4	Ci.	Cu.	4	Ci.	Cu. E
5	Calm	Calm	NE	Calm	Calm	Calm	19	37.6	34	15	105.6	3	Ci.	Cu.	2	Ci.	Cu.
6	Calm	Calm	SW	NE	E	Calm	16.4	43.5	78.1	17.2	155.2	3	Ci.	Cu.	2	Ci.	Cu. SW
7	Calm	Calm	NE	NE	Calm	Calm	19.9	47.8	72.9	18.8	159.4	6	Ci.	Cu. SW	3	Ci.	Cu. E
8	Calm	Calm	NE	WSW	Calm	Calm	18.7	41.5	51.8	19.6	131.6	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N. SW
9	Calm	Calm	SW	NE	SW	Calm	16.1	42.6	60	18.5	137.2	1	Ci.	Cu.	8	Ci.-S.	Cu.-N. NW
10	Calm	Calm	Calm	NE	NE	Calm	19.5	38.6	63.8	30.6	152.5	1	Ci.	Cu.	3	Ci.	Cu. E
11	SW	Calm	E	ENE	E	Calm	27.6	44	59	11.6	142.2	9	Ci.-S.	Cu. E	10	Ci.-S.	Cu. E
12	SW	Calm	NNE	NE	Calm	WSW	17.9	41.2	44.8	21.4	125.3	4	Ci.	Cu. SW	10	Ci.-S.	Cu. SW
13	Calm	Calm	SW	SW	Calm	SW	15.9	40	42.3	32.8	131	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
14	SW	Calm	SW	SW	Calm	SW	29.5	40.2	44	40.7	154.4	10	Ci.-S.	Cu.	10	Ci.-S.	S.-Cu. SW
15	SW	Calm	ENE	NNE	Calm	Calm	28.2	36	46.4	8.3	118.9	8	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
16	Calm	Calm	SW	ENE	Calm	SW	12.6	48.8	47.7	24.4	133.5	8	Ci.-S.	Cu.	8	Ci.-S.	Cu. SW
17	Calm	SW	SW	SW	SW	SW	34	85.6	67.4	60.6	247.6	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
18	SW	SW	SW	SW	SW	SW	60.7	71.3	73.7	39.4	245.1	7	Ci.	Cu.	10	Ci.-S.	Cu. SW
19	Calm	Calm	SW	SW	SW	Calm	23.3	80.8	83.4	23	210.5	10	Ci.-S.	Cu. SW	6	Ci.	Cu. SW
20	Calm	Calm	SW	SW	SW	SW	33.2	78.4	81.5	43.8	236.9	10	Ci.-S.	Cu.	8	Ci.-S.	Cu. SW
21	Calm	SW	SW	SW	SW	SW	39.1	81.3	80.5	56.9	257.8	2	Ci.	Cu.	3	Ci.	Cu. SW
22	SW	SW	SW	SW	Calm	SW	38	72.4	52.5	26.2	189.1	10	Ci.-S.	Cu. SW	10	Ci.-S.	Cu. SW
23	Calm	Calm	NNE	NNE	Calm	Calm	16.3	50.5	49.4	13.5	129.7	8	Ci.-S.	Cu.	6	Ci.	Cu. SW
24	Calm	W	SW	NNE	NNE	Calm	14.7	39.2	59.7	28.2	141.8	8	Ci.-S.	Cu.	8	Ci.-S.	Cu. SW
25	Calm	Calm	NNE	NNE	NNE	Calm	19.8	43.3	64.9	14.2	142.2	2	Ci.	Cu.	6	Ci.	Cu. S
26	Calm	Calm	ENE	ENE	Calm	Calm	14.8	40.8	49.3	24.1	129	0	Ci.	Cu.	9	Ci.-S.	Cu. WSW
27	Calm	Calm	NE	NE	NE	Calm	20.1	40.8	60.9	16.1	137.9	0	Ci.	Cu.	4	Ci.	Cu. SW
28	Calm	Calm	SW	NNE	NNE	Calm	14.3	53.4	60	19.3	147	2	Ci.	Cu.	7	Ci.	Cu. SSW
29	Calm	SW	NE	NE	Calm	Calm	29.2	61.2	47.7	18.3	156.4	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N. E
30	Calm	Calm	E	E	Calm	Calm	12.6	41.5	79.5	26.9	160.5	7	Ci.	Cu.	7	Ci.	Cu. S
Mean	------	------	------	------	------	------	22.7	51	60.8	25.5	160	6.1	------	------	6.9	------	------
Total	------	------	------	------	------	------	------	------	------	------	4,800.6	----	------	------	----	------	------

PARACALE.

[$\phi = 14°\ 17'$ N; $\lambda = 122°\ 47'$ E; barometer above sea, 5.3 meters; gravity correction not applied, —1.73 mm.]

JULY, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.91	57.94	58.23	56.83	56.60	59.29	24.3	24.5	32	33.2	31.4	23.5	33.8	23.5	97	96	66	69	75	96	46.2
2	57.94	57.87	57.91	56.46	57.01	58.47	24.3	24	31	33	26	25.6	33.8	23.4	92	96	75	67	92	96	6.3
3	58.03	58.18	58.47	56.92	57.71	59.27	25	24.6	29.9	31.5	28	26	32.6	24.4	96	97	76	74	85	94	6.1
4	58.74	59.19	59.70	58.06	58.67	59.87	25.1	24.4	31.6	33	26.2	26	33.8	24	95	97	68	64	91	96	2.6
5	59.03	59.47	59.31	57.76	58.29	59.33	24.4	24.3	31.9	32.4	25	24.1	33.3	23.7	97	97	64	64	92	97	33.8
6	58.45	58.57	58.76	57.46	57.61	58.69	23.3	23.2	30.5	32.3	31	26.4	33.3	22.9	97	98	72	68	72	89	.5
7	57.48	57.85	57.82	56.26	56.60	57.72	24.8	24.1	32	32.6	29.1	26.2	33.8	23.8	95	97	66	63	80	94	44.7
8	57.08	57.69	58.45	56.43	56.51	58.04	25.2	24	26	30.1	27.1	24.9	31.5	23.3	95	96	93	75	91	97	16
9	56.95	57.03	57.58	56.87	57.24	58.08	24.2	24.4	30.4	30.1	25.6	24.5	32.3	24	97	97	76	74	92	98	5.8
10	57.26	57.70	58.53	57.82	58.55	59.98	24.2	24	29.7	31.4	25.3	24.4	32.7	23.6	97	97	77	70	93	97	2.3
11	58.34	58.40	58.71	57.75	57.86	59.43	24	24	31.4	33.1	27.1	25.4	34.3	23.5	96	97	70	66	91	95	.5
12	58.15	58.19	58.54	57.35	57.46	58.77	24.2	24.1	30.7	32.5	30.8	25.6	33.4	23.8	97	97	74	66	72	98	19
13	57.61	57.66	58.31	56.98	56.98	58.33	25.5	24.8	31	32.6	29.1	26	33.8	24	96	95	76	70	81	97	10.7
14	57.61	57.96	58.68	57.68	57.75	58.94	25.5	25.6	30.4	27	25	23.7	31.1	23.4	98	97	79	91	92	98	3.6
15	58.41	58.49	58.46	57.08	57.61	58.83	23.5	23.8	30.5	30	29.1	25.9	31.8	22.9	98	97	75	75	81	95	3
16	58.20	58.68	58.85	58.11	57.30	58.31	24.8	25	28.6	28.6	25	24	31.1	23.8	98	98	84	80	95	97	9.7
17	57.80	57.75	58.39	57.23	56.78	58.55	23.8	24.9	24	27.6	25.8	23.4	29.3	23.1	97	97	96	87	93	97	70.4
18	56.33	56.08	56.42	54.93	54.81	55.83	25.5	26	30	31.1	28.2	25.5	32.3	24	93	94	75	73	82	91	6.9
19	54.91	54.96	55.43	53.93	54.13	55.60	24.2	23.8	30.5	26.5	27.4	25.5	32.8	23	95	97	72	93	89	97	8.9
20	54.12	54.22	55.01	53.86	54.05	55.10	24.8	24.3	30.4	32	27.4	27	33.3	23.8	97	97	66	61	83	84	------
21	54.05	54.75	55.30	54.18	55.31	56.43	27	26.7	30.3	30	27.5	26.9	32.5	26	78	81	73	75	81	90	------
22	55.47	55.80	55.98	55.53	55.41	56.53	26	26.3	30	30	28.1	26.8	32.5	25.1	87	86	73	74	84	82	------
23	55.83	56.05	56.21	54.79	55.58	57.58	26.6	25.7	30.4	32	28.4	25.1	33	24.6	84	92	69	64	77	87	------
24	56.20	56.24	56.71	55.80	56.10	58.38	24.5	23.5	31	31	27.6	24.5	34.8	23.5	90	97	65	72	84	96	4.9
25	57.29	57.36	57.64	57.05	56.55	59.28	24.5	24.3	31.4	28.5	28	25	34.6	24	96	97	68	81	88	96	6.1
26	57.35	57.43	58.51	57.19	56.93	58.51	24.5	24	31.6	30.3	29	26	33.8	23.5	96	96	68	73	78	96	15.2
27	56.34	56.99	56.94	55.53	55.93	57.10	24.6	23.6	29.5	28.4	24	24.4	30.8	23.3	95	95	76	82	96	97	49.3
28	54.87	54.79	55.93	54.77	55.23	56.95	23.8	24.2	26.3	28.6	25.4	25	30	23.5	98	98	90	80	97	96	13.8
29	55.21	55	56.64	55.83	56.19	58.06	24.5	24.4	28.5	29.1	27	25	31.8	24.2	97	97	81	79	88	92	10.4
30	56.40	56.34	57.43	56.38	56.15	57.13	24.8	25.1	28.4	28.4	26	25.4	30.8	24	92	92	78	78	84	84	------
31	55.88	55.76	56.78	55.49	55.46	56.30	25.5	25.5	29	31.1	26.6	25.6	33	25.1	86	88	81	62	91	89	12.7
Mean	56.94	57.11	57.60	56.40	56.59	58.02	24.7	24.6	30	30.6	27.3	25.3	32.6	23.8	94.3	95.3	74.9	73.2	86.1	93.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	409.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	SW	NE	Calm	Calm	18.7	35.9	60.7	29.6	144.9	10	Ci.-S.	Cu.	6	Ci.	Cu. S
2	Calm	Calm	E	NE	WSW	Calm	19.3	37.3	72.7	24.7	154	4	Ci.	Cu.	6	Ci.-S.	Cu. SE
3	Calm	Calm	Calm	NE	Calm	Calm	22	25.5	43	15.8	106.3	10	Ci.-S.	Cu.	6	Ci.	Cu. S
4	Calm	SW	NE	NE	Calm	Calm	20.9	38.6	70.8	17.4	147.7	0	Ci.	Cu.	3	Ci.	Cu. E
5	Calm	Calm	ESE	NE	Calm	Calm	24.1	40	57.4	30.3	151.8	0	Ci.	Cu.	3	Ci.	Cu. ESE
6	Calm	Calm	SW	NE	ENE	Calm	20.6	38.1	80.8	19.5	159	3	Ci.	Cu.	2	Ci.	Cu. E
7	Calm	Calm	ENE	NE	Calm	Calm	22	45.6	66.3	9.1	143	0	Ci.	Cu.	4	Ci.	Cu. E
8	E	Calm	E	E	Calm	Calm	26.4	28.7	46.4	21.2	122.7	10	Ci.-S.	Cu. E	10	Ci.-S.	Cu. E
9	Calm	Calm	Calm	WNW	Calm	Calm	23.9	38	46.1	16.6	124.6	10	Ci.-S.	Cu. E	10	Ci.-S.	S.-Cu. NW
10	Calm	Calm	NE	ENE	Calm	Calm	20.3	34.9	50.7	24.1	130	10	Ci.-S.	Cu.	10	Ci.-S.	S.-Cu. ENE
11	Calm	WSW	Calm	NE	Calm	Calm	14.5	39.9	51.8	17.1	123.3	10	Ci.-S.	Cu.	8	Ci.-S.	S.-Cu. E
12	Calm	Calm	E	E	E	Calm	22	44.3	70.5	30.1	166.9	6	Ci.	Cu. E	3	Ci.	Cu. E
13	SW	Calm	ENE	ENE	ENE	Calm	22.2	41.5	71.4	20.9	156	10	Ci.-S.	S.-Cu. NE	5	Ci.	Cu. E
14	Calm	SW	NE	SW	Calm	W	20.4	28.2	33.5	21.1	103.2	8	Ci.	Cu. E	10	Ci.-S.	S.-Cu. E
15	SW	SW	NE	NE	Calm	Calm	21.9	33.2	38.1	11.3	104.5	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. E
16	E	Calm	Calm	Calm	SW	Calm	22.7	24.6	33	26.2	106.5	10	Ci.-S.	N.	10	Ci.-S.	Cu. E
17	Calm	SW	Calm	Calm	Calm	Calm	16.3	25.9	19.3	40.2	101.7	10	Ci.-S.	Cu. ENE	10	Ci.-S.	Cu.
18	ENE	NE	NE	NE	NE	Calm	61	76.9	111.6	40	289.5	10	Ci.-S.	S.-Cu. ENE	10	Ci.-S.	Cu. ENE
19	Calm	Calm	NE	SW	Calm	Calm	5.3	30.3	28.4	19.9	83.9	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. S
20	Calm	Calm	SSW	SW	SW	SW	6.9	47.8	102.5	89.3	246.5	7	Ci.	Cu.	8	Ci.-S.	Cu. SSW
21	SW	SW	SW	SW	SW	SW	76.6	89.8	77.2	56	299.6	10	Ci.-S.	Cu. S	10	Ci.-S.	Cu. S
22	SW	WSW	SW	SW	Calm	SW	64.6	83.7	64.2	28.8	241.3	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. S
23	SW	Calm	SW	SW	SW	SW	41	50.2	79.4	52.3	222.9	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. S
24	Calm	Calm	SW	NE	Calm	SW	13.2	62.6	39.2	45.7	160.7	0	Ci.	Cu.	10	Ci.-S.	Cu.-N. SW
25	SW	Calm	SW	ENE	Calm	Calm	27.7	48	34.6	29.2	139.5	6	Ci.	Cu.	10	Ci.-S.	S.-Cu. SW
26	Calm	Calm	Calm	SW	ENE	Calm	17.2	38.3	38.3	17.5	111.3	3	Ci.	Cu.	5	Ci.	Cu. S
27	Calm	Calm	E	NE	Calm	Calm	31.4	35.2	55.2	13.5	135.3	10	Ci.-S.	Fr.-N.	10	Ci.-S.	S.-Cu. NE
28	Calm	SW	SW	NW	Calm	SW	17.2	32.8	36.5	26.2	112.7	10	----------	Fr.-N.	10	Ci.-S.	Cu.
29	SW	Calm	S	SW	SW	SW	44	42.3	46.9	44.1	177.3	10	Ci.-S.	Cu.	10	Ci.-S.	S.-Cu. SW
30	SW	SW	W	SW	SW	SW	43.8	67.3	74.3	51.7	237.1	10	Ci.-S.	Cu.	10	Ci.-S.	S.-Cu. SW
31	SW	SW	SW	SW	Calm	SW	42.4	62.8	56.5	34.1	195.8	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
Mean	------	------	------	------	------	------	27.4	44.1	56.7	29.8	158	7.6	----------	----------	8	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	4,899.5	----	----------	----------	----	----------	----------

PARACALE.

[$\phi = 14°\ 17'$ N; $\lambda = 122°\ 47'$ E; barometer above sea, 5.3 meters; gravity correction not applied, —1.73 mm.]

AUGUST, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	55.50	54.70	56.01	54.74	55.03	56.38	26.5	26.4	27.9	29	27.3	27.5	29.8	25.4	85	84	82	78	78	81	------
2	55.33	56.15	57.06	56.24	56.27	58.44	26.6	25.8	31	31.6	26.1	26	34	25	86	89	69	65	87	92	1.3
3	56.98	57.15	57.61	56.76	56.88	58.87	25	25	31.3	28.1	26.2	24	33.8	23.4	89	92	70	88	95	94	34.8
4	57.10	57.35	57.60	56.48	57.13	58.05	23.6	24.2	28.7	31.5	28.4	25.4	33.3	23.3	97	97	77	66	79	91	------
5	57.09	57.12	57.62	56.38	56.64	58.08	24.4	23.6	30.4	31.7	25.6	25.4	33.8	23.4	95	97	64	68	91	89	------
6	57.26	57.89	58.63	57.14	57.68	59.52	24.3	24.1	31	32.1	30	25.5	33.8	23.8	96	95	66	64	72	89	.5
7	58.54	58.80	59.36	57.86	58.26	59.39	24.4	23.5	30.8	31.1	30	25.5	33.3	23.5	97	97	67	60	71	92	------
8	57.86	57.98	58.71	56.94	56.96	58.48	25	24.4	30	26.8	27.6	25.4	32.3	24	95	97	71	82	87	97	1.3
9	56.70	56.79	58.09	56.71	56.37	58.08	24.6	23.7	27.1	29.9	25.9	24.7	32	23.3	96	97	88	75	85	91	19.6
10	56.85	56.90	57.88	56.27	56.73	58.89	23.5	24.3	30	29	24.7	24.2	31.8	23	98	97	75	73	91	94	4.3
11	56.87	56.69	57.50	55.93	55.87	57.60	24.1	23.9	29.4	31.3	27.1	24.9	32.1	23.5	93	92	79	61	85	93	4.6
12	55.47	55.90	56.44	54.38	55.08	56.48	24.1	24.2	29	28	25.9	24.5	32.3	24	97	96	74	81	93	96	3.8
13	54.71	54.75	55.43	53.88	54.48	56.31	24.4	24.1	29	28	26.1	25.5	30.8	23.9	95	95	71	85	91	88	6.6
14	55.18	55.28	56.18	54.68	55.85	57.10	24.6	25	29	30.2	25.2	25.5	32	24	92	92	74	74	95	96	16.8
15	56.68	57.18	57.63	56.26	56.91	58.34	25.2	25.4	30.5	32.7	28.6	26	33.8	24.8	92	90	66	62	80	88	------
16	57.59	57.68	58.51	56.39	56.81	57.71	25	25	31	32	29.6	26	33.5	24.5	93	92	66	60	77	94	------
17	56.73	56.90	57.71	55.46	56.06	57.13	25.2	25.8	30.4	33	28.8	26	34.8	25	90	85	66	64	85	95	------
18	56.13	56.40	57.26	55.72	55.62	57.28	25.3	24.4	31	31	29	26.2	34.6	24	94	92	69	71	83	91	1.8
19	56.29	56.38	57.26	55.52	55.96	57.88	25.3	25	31.5	29.5	27.2	24.9	33.8	24.5	94	92	63	73	87	89	16.5
20	56.48	57.18	57.28	55.72	56.52	58.44	25.4	25.1	31.2	31.4	27.3	25.9	33.3	24.5	87	91	68	66	86	88	2.5
21	57.09	56.95	58.13	57.29	56.97	58.36	25.2	25	28	26	27.9	24.7	33.1	24.4	92	94	81	92	82	97	17.3
22	57.26	57.35	58.12	56.73	56.58	57.75	24.6	24	31.4	26	28	25.4	32.6	23.7	95	96	70	93	88	93	26.2
23	56.60	56.50	56.81	55.58	55.41	56.95	25.4	25.9	31.2	26.4	28	26	33.8	24.1	93	88	71	93	92	97	42.1
24	56.33	56.61	57.61	55.68	55.61	57.05	25	25	29.6	30.1	28.2	25.6	31.3	24.8	93	92	75	71	77	85	------
25	55.53	55.97	56.41	55.05	55.71	57.03	24.8	24.6	29.2	29.5	26.8	24	31.8	24	90	91	73	75	78	96	14.7
26	54.51	54.56	54.84	53.12	53.26	54.56	24.4	24.4	29.6	27	26	25.8	32.6	24	92	90	70	92	91	85	2.8
27	53.01	53.08	53.75	51.91	51.54	53.48	25.3	25	28.9	30	27.9	26.5	33.4	25	89	92	75	71	75	84	------
28	52.35	52.75	52.76	51.65	53.05	54.88	25.5	25.1	29.5	29.9	26.1	25.4	32.3	24.3	88	91	75	75	94	93	.8
29	53.60	53.50	54.12	52.99	54.08	55.68	26.5	26.1	30.8	32.9	29	27.3	33.6	25	86	86	67	58	72	79	------
30	54.75	55.08	55.28	54.26	54.77	55.42	26.3	26.1	31.5	31.2	29.1	27.4	33.8	25.5	82	83	63	62	74	74	------
31	53.70	54.14	54.31	52.67	52.78	53.81	26.4	25.3	30.2	26.9	25.9	25.5	32.8	25	84	91	74	88	93	92	2.8
Mean	56	56.18	56.84	55.37	55.71	57.21	25	24.8	30	29.8	27.4	25.6	32.9	24.2	91.8	92	71.6	73.7	84.3	90.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	221.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	SW	SW	SW	SW	SW	63.6	54.7	45.9	46.7	210.9	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
2	SW	SW	SW	SW	SW	SW	44.3	56.1	59.7	16.7	176.8	10	Ci.-S.	Cu. SW	10	Ci.-S.	Cu. SW
3	SW	SSW	SW	SW	Calm	SW	25.7	69.7	38.1	58.4	191.9	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
4	SW	SW	SW	SW	SW	SW	37.5	65.5	62.8	35.4	201.2	10	Ci.-S.	S.-Cu. SW	4	Ci.	Cu. SW
5	Calm	Calm	SW	NE	SW	SW	28.2	44.3	52.8	35.4	160.7	2	Ci.	Cu.	7	Ci.	Cu. SW
6	SW	Calm	SW	W	Calm	W	36.8	42.3	48.3	32.2	159.6	0	Ci.	Cu.	4	Ci.	Cu. SW
7	W	Calm	W	NW	Calm	W	23.8	48.3	50.7	15.1	137.9	3	Ci.	Cu.	6	Ci.-S.	Cu. SW
8	Calm	W	Calm	W	Calm	Calm	19.1	39.2	36	14.5	108.8	7	Ci.	Cu.	8	Ci.-S.	Cu. WSW
9	Calm	Calm	NE	NE	SW	SW	26.2	30.8	50.2	31.9	139.1	7	Ci.	Cu.	10	Ci.-S.	Cu. NE
10	Calm	WSW	WSW	WSW	WSW	WSW	29.5	53.3	48	44.6	175.4	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. WSW
11	WSW	WSW	WSW	NW	Calm	WSW	43.7	74.3	58.9	36	212.9	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. WSW
12	WSW	WSW	WSW	WSW	S	Calm	41	70	46.7	27.1	184.8	7	Ci.-S.	Cu.	10	Ci.-S.	S.-Cu. WSW
13	WSW	Calm	SW	Calm	SW	SW	47.7	47.7	66	56.3	217.7	8	Ci.	Cu. SSW	10	Ci.-S.	S.-Cu. SW
14	SW	SW	WSW	SW	Calm	Calm	38.1	94.6	44.9	29.3	206.9	9	Ci.-S.	Cu. SW	10	Ci.-S.	S.-Cu. SW
15	SW	SW	SW	SW	Calm	SW	48.9	67.3	49.9	33	199.1	10	Ci.-S.	Cu. SW	8	Ci.-S.	Cu. SW
16	SW	Calm	SW	NW	Calm	Calm	30.6	49.4	52.9	12.1	145	3	Ci.	Cu.	4	Ci.	Cu. SW
17	Calm	SW	SW	SW	Calm	SW	39.6	60.4	37	18.2	155.2	10	Ci.-S.	Cu.	8	Ci.	Cu. SW
18	SW	Calm	SW	Calm	Calm	SW	41.2	61	32.7	31.2	166.1	1	Ci.	Cu.	8	Ci.-S.	Cu. SW
19	Calm	SW	SW	Calm	SW	SW	29.8	38	34.1	42.1	144	0	Ci.	Cu.	7	Ci.	Cu. WSW
20	SW	SW	SW	NE	SW	SW	49.1	51	42.3	31.4	173.8	8	Ci.-S.	Cu. SW	4	Ci.	Cu. SW
21	Calm	Calm	W	W	W	Calm	17.2	38.3	39.9	16.4	111.8	10	Ci.-S.	Cu. SW	10	----------	N. SW
22	Calm	Calm	W	Calm	Calm	W	26.2	45.9	20.9	30.1	123.1	6	Ci.	Cu.	10	Ci.-S.	Cu. SW
23	SW	SSW	SW	NNW	Calm	W	40	78.7	31.6	34.9	185.2	10	Ci.-S.	Cu. SW	10	----------	N. W
24	W	Calm	SW	SW	W	SW	43.3	69.7	78.4	58.7	250.1	10	Ci.-S.	Cu. W	10	Ci.-S.	Cu. W
25	SW	SW	SW	SW	SW	SW	61.7	94.4	85.3	72.4	313.8	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. W
26	SW	SW	SW	SW	SW	SW	83.7	104.6	88.5	82.9	359.7	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
27	SW	WSW	SW	SW	SW	SW	92.5	95	80.5	54.4	322.4	8	A.-Cu.	Cu. SW	10	Ci.-S.	Cu. SW
28	SW	SW	SW	SW	SW	Calm	52.6	87.7	72.4	38.9	251.6	3	Ci.	Cu.	10	Ci.-S.	S.-Cu. SW
29	SW	SW	SW	SW	SW	SW	65.4	104.3	98.8	43.1	311.6	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
30	SW	SW	SW	SW	SW	SW	46.1	104	70.8	54.2	275.1	10	Ci.-S.	Cu. SW	10	Ci.-S.	Cu. SW
31	SW	SW	SW	SW	SW	SW	34.4	70.6	82.4	66.5	253.9	10	Ci.-S.	Cu. SW	10	Ci.-S.	S.-Cu. SW
Mean	------	------	------	------	------	------	42.2	64.9	55.1	38.7	200.8	7.5	----------	----------	8.6	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	6,226.1	----	----------	----------	----	----------	----------

PARACALE.

[$\phi = 14°\ 17'$ N; $\lambda = 122°\ 47'$ E; barometer above sea, 5.3 meters; gravity correction not applied, −1.73 mm.]

SEPTEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	52.85	53.30	53.80	52.08	52.94	54.04	25	24.9	28	29.5	26.5	25.2	31.1	24.2	93	92	77	70	80	90	
2	53.62	53.72	53.90	53.53	53.25	54.93	24.5	25.6	29.5	29.5	26.1	24.9	31	24.3	87	84	71	72	84	92	1.3
3	54	54.69	55.14	53.81	54.62	55.58	24.4	24.6	31	30.9	27.7	26.1	33.3	24	93	93	69	66	79	85	
4	55.40	55.54	56.37	55.30	55.83	57.39	26.6	25.9	30.1	30.2	28.6	26.5	33	25.6	84	85	71	70	73	80	
5	56.48	56.65	57.86	56.58	56.96	59.15	25.8	25	30.5	32.9	29	26	34.3	24.5	85	92	65	58	74	87	
6	57.70	58.12	58.93	57.25	57.90	59.28	23.6	23.4	32	32	29.2	26.1	33.6	23	96	97	63	67	76	95	2.8
7	57.35	57.10	58.13	56.27	56.65	59.38	25.5	26	31	29	27.5	24	32.3	23.4	94	95	72	83	92	96	63.8
8	56.25	55.70	56.97	55	55.78	57.14	23.5	26.5	30.1	31	27	25	32.8	23.2	96	90	74	71	84	95	21.6
9	56.58	56.97	58.17	56.37	57.04	58.54	24.6	23.9	29.5	31.2	26.9	25.5	32.3	23.6	95	96	75	65	85	88	
10	57.01	57.09	57.22	55.53	56.01	57.62	24.7	24.4	30.6	33	29	25.5	33.3	24.1	94	92	68	58	78	92	
11	56.41	56.65	57.57	55.10	55.46	57.41	25.6	25.3	27.5	32.5	28.6	25.5	33.3	24.9	90	89	82	65	83	97	26.9
12	56.48	56.33	56.33	55.06	55.71	56.60	25.3	24.4	30.1	32	24.4	25.5	33.3	22.5	94	97	74	64	97	93	27.4
13	55.93	56.10	56.59	53.74	54.64	55.90	24.3	24	30	32	27.1	26	33.3	23.9	94	95	71	63	84	88	.5
14	54.64	53.96	54.43	51.92	51.95	52.12	25	24.9	28.9	31.3	25.5	26	32.8	24.5	92	88	75	67	88	92	3.3
15	50.87	50.54	50.76	48.80	49.23	50.75	25.8	26.1	27.9	29.5	28.1	27.5	30.1	25.5	92	83	82	79	84	82	
16	49.73	50.43	52.19	51.32	52.28	53.77	26.8	27.1	29	29	27.5	27	31	26.6	82	77	76	85	87	88	
17	53.13	53.99	54.71	54.25	55.23	55.90	26.6	25.9	31.4	31.4	26	25.5	32.8	25.5	87	85	70	73	92	94	2.5
18	55.11	55.86	55.73	53.79	54.76	56.32	25	24.5	31	32.6	29.4	26.4	34	24	95	96	71	60	79	89	
19	54.02	54.75	55.61	53.44	54.01	55.53	26	25	31	31	27.9	25.6	33.3	24.8	87	92	69	66	84	92	
20	54.22	54.51	55.59	53.64	54.52	56.58	25.2	24.8	30.5	31.6	28.5	26.5	33.4	24.5	92	93	72	62	80	85	
21	55.83	55.98	57.06	55.10	56.36	57.89	25.3	25.1	30.9	32.5	27.4	25.7	33	25	91	91	69	55	84	89	.5
22	57.03	57.89	58.97	56.79	57.86	59.33	25.5	25	30.4	32.8	29	27	33.3	24.6	89	92	66	57	81	84	
23	58.65	59.39	60.10	58.10	59.03	60.29	25.8	24.9	30	29.4	27.5	25.5	31.7	24.5	89	92	71	72	88	92	6.1
24	58.84	59.18	59.93	57.99	57.95	59.33	25.1	25.2	27.6	24.6	26.2	25.5	29.7	23.8	92	90	84	95	92	97	64.8
25	58.48	58.40	59.32	57.36	57.23	58.55	24.2	23.9	28.4	28.9	27.4	25.6	29.8	23.5	97	97	85	79	85	95	11.3
26	56.56	56.61	57.68	55.36	55.35	55.80	25	26	29.4	29	25.4	27	30.3	24.5	96	93	79	78	93	84	15.9
27	53.89	53.90	54.38	52.81	54.24	54.98	25.5	25.5	29.3	30	26	27	31.2	25	93	92	77	71	92	84	
28	54.70	55.50	56.36	54.82	55.77	56.64	26.5	26.4	30.5	29.7	27.1	26.4	31.9	26.1	88	88	71	73	83	85	
29	55.90	55.94	56.73	54.62	55.03	56.55	26	26	29.5	29.4	26.9	26.2	31.2	25.4	85	85	71	72	77	79	
30	56.28	56.35	57.13	55.61	56.06	57.60	25.6	25.4	30.5	30	26.9	25.4	31.3	25	83	88	72	75	77	81	2.8
Mean	55.46	55.70	56.45	54.71	55.32	56.70	25.3	25.2	29.9	30.6	27.3	25.9	32.3	24.5	90.8	90.6	73.1	69.7	83.8	89	
Total																					251.5

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	SW	SW	SW	SW	SW	68.9	117.5	145.9	99.8	432.1	10	Ci.-S.	Cu. SW	10	Ci.-S.	Cu. SW
2	SW	SW	SW	SW	SW	SW	95	127.1	114.3	56	392.4	10	Ci.-S.	Cu. SW	10	Ci.-S.	Cu. SW
3	SW	Calm	SW	SW	SW	Calm	48.9	68.2	82.3	43.7	243.1	10	A.-Cu.	Cu. SW	10	Ci.-S.	Cu. SW
4	SW	Calm	SW	SW	SW	SW	63	83.1	95.5	60.2	301.8	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
5	SW	Calm	SW	SW	Calm	Calm	42.8	47.7	71.9	18.3	180.7	10	A.-Cu.	Cu. SW	10	Ci.-S.	Cu. SW
6	Calm	Calm	N	NE	Calm	Calm	16.1	37.6	56	13.5	123.2	1	Ci.	Cu.	6	Ci.	Cu. NW
7	Calm	Calm	NNE	E	ENE	ENE	14.2	81.5	101.7	38.4	235.8	10	Ci.-S.	Cu. N	10	Ci.-S.	S.-Cu. NE
8	Calm	E	ENE	ENE	ENE	S	32.7	62.3	50.4	45.3	190.7	10	Ci.-S.	Cu.-N. E	10	Ci.-S.	Cu. E
9	SW	Calm	SW	SW	SW	SW	32.2	62.3	72.7	63.4	230.6	10	Ci.-S.	Cu.	7	Ci.	Cu. SW
10	SW	SW	SW	SW	SW	SW	76.7	100.3	82.9	43.5	303.4	2	Ci.	Cu.	4	Ci.	Cu. SW
11	SW	SW	SW	SW	Calm	SW	56.8	49.7	47	35.4	188.9	10	Ci.-S.	Cu. WNW	10	Ci.-S.	Cu. SW
12	WSW	WSW	WSW	SW	SW	SW	52.8	78.4	73.5	58.9	263.6	10	Ci.-S.	Cu. WSW	8	Ci.	Cu. SW
13	Calm	SW	SW	SW	SW	SW	43.5	69.2	79.1	75.4	267.2	6	Ci.	Cu.	10	Ci.-S.	Cu. SW
14	SW	SW	SW	SW	SW	SW	59.5	66	86.9	86.9	299.3	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
15	SW	SW	SW	SW	SW	SW	77.7	108.9	101.4	120.7	408.7	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
16	SW	SW	SW	SW	SW	SW	126.8	109.4	82.4	79.7	398.3	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
17	SW	Calm	SW	SW	SW	SW	41.5	70.2	60.7	36.4	208.8	10	Ci.-S.	Cu. SSW	10	Ci.-S.	Cu. SW
18	Calm	SW	SW	SW	Calm	SW	22.2	62	64.7	41.3	190.2	3	Ci.	Cu.	6	Ci.	Cu. SW
19	SW	SW	SW	W	WSW	W	46.2	52.5	58.9	34.3	191.9	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. W
20	W	W	SW	WSW	SW	SW	42.8	71	57.1	56.8	227.7	10	Ci.	Cu.	9	Ci.-S.	Cu. WSW
21	Calm	SW	SW	SW	WSW	SW	52.6	57.9	68.9	49.3	228.7	10	Ci.-S.	Cu.	6	Ci.-S.	Cu. SW
22	SW	SW	SW	W	SW	Calm	73.2	88.8	68.6	42.8	273.4	3	Ci.	Cu.	8	Ci.-S.	Cu. W
23	SW	Calm	WSW	Calm	Calm	Calm	40.7	44.9	29.5	8.3	123.4	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
24	Calm	Calm	Calm	NE	NE	Calm	38.6	55.2	88.3	54.5	236.6	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	S.-Cu. NE
25	N	Calm	N	N	N	Calm	21.7	44.1	66.2	33	165	10	Ci.-S.	S.-cu. NNE	10	Ci.-S.	Cu. N
26	Calm	N	N	W	Calm	NW	25.4	55.2	65.8	50.4	196.8	10	Ci.-S.	Cu.-N. N	10	Ci.-S.	Cu. NW
27	SW	SW	SW	WSW	SW	SW	87.1	118.1	111.2	76.2	392.6	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
28	SW	SW	SW	SW	SW	SW	81.5	111.5	108.9	79.5	381.4	4	Ci.-S.	Cu. SW	10	Ci.-S.	Cu. SW
29	SW	SW	SW	SW	SW	SW	54.7	85.3	93.9	61.8	295.7	8	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
30	SW	Calm	SW	SW	SW	SW	55.3	57.6	67.8	58.5	239.2	10	Ci.-S.	Cu. SW	10	Ci.-S.	Cu. SW
Mean							53	74.8	78.5	54.1	260.4	8.6			9.1		
Total											7,811.2						

PARACALE.

[$\phi = 14°\ 17'$ N; $\lambda = 122°\ 47'$ E; barometer above sea, 5.3 meters; gravity correction not applied, —1.73 mm.]

OCTOBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.79	57.86	58.22	56.66	57.61	59.64	25.2	25	29.4	32	28.1	25.5	32.7	24.7	86	88	72	67	84	96	0.8
2	58.84	59.03	60.38	58.15	58.90	60.11	25.5	24.2	31.6	31	27.6	25	32.3	24	94	98	68	69	81	96	2.3
3	58.12	59.98	60.33	59.01	58.90	59.28	24	23	31.1	26.1	25.3	24.5	31.8	22.9	96	96	66	92	89	93	9.4
4	58.45	59.09	59.59	57.08	58.13	59.34	23.5	23.3	29	29.9	25.8	25.1	30.3	22.8	97	97	78	79	93	99	21.9
5	58.23	58.48	59.29	57.03	58.04	59.01	25.1	24.8	27	27	27	25	27.8	24.2	93	93	89	88	88	98	27.1
6	57.76	58.25	59.38	57.13	58.37	60.13	24.6	24	30.4	29.5	26.5	24.7	30. 6	23.6	95	96	76	78	92	99	28.1
7	59.10	59.25	60.33	57.98	58.95	59.96	24.4	24	29.8	29.5	25.2	24.5	30	23.8	98	98	76	75	94	97	71.4
8	58.92	58.97	59.24	56.92	57.57	58.56	24	23.1	25.1	29.8	26.6	25.4	30.3	22.8	97	96	92	69	87	88	8.9
9	57.38	57.09	58.52	56.07	56.23	57.40	25.4	25	31.6	29	26.1	25.5	31.8	24.8	88	92	68	81	91	92	.8
10	56.45	56.63	57.37	54.87	55.71	56.41	25	24.9	30.2	31	27.1	25.5	31.5	24.5	93	92	70	67	83	91	1.8
11	56.16	56.40	57.33	55.21	56.23	58.14	25.4	24.5	29.1	27.2	26	24.8	30.3	24.2	92	96	77	87	92	94	11
12	57.74	57.76	59.13	56.85	57.81	59.48	24.6	24.8	30	30	27.1	24.9	30.6	24	95	94	78	72	83	96	2.8
13	58.23	58.36	59.27	56.76	56.98	58.11	24.5	24.5	26.3	30	27.4	27.5	30.3	24	96	96	90	78	85	88	7
14	56.70	56.74	57.46	55.78	56.79	57.42	27	27.2	29.4	30.4	28	28	30.6	26.3	89	87	75	75	81	81	.8
15	56.33	56.64	56.84	54.70	55.41	56.43	27.6	27.8	27.5	29	27	27.5	29	24.5	82	82	88	81	92	88	24.8
16	55.28	55.55	56.35	54.35	54.89	55.86	27.2	26.4	26.1	26.1	25.4	25.8	28	24.4	89	89	92	95	97	88	96.3
17	55.38	55.68	57.30	55.70	57.23	58.59	25.8	25	27	27.5	25.1	25.4	27.8	24.5	87	92	84	84	93	88	4.6
18	58.50	59.25	60.26	58.38	59.30	61.02	24.8	24	30.5	30	26.5	26.3	31.3	23.9	93	94	68	71	91	91	58.4
19	59.81	60.84	61.36	59.22	59.61	60.52	24.8	24.8	29	29.9	26.9	26.5	30	24	95	94	85	72	74	76	5
20	59.41	59.42	59.91	57.91	58.24	59.94	26	25.9	27.4	29.4	27.5	25.2	29.6	24.5	87	93	85	79	85	92	36.3
21	59	59.44	60.86	59.11	59.31	60.29	24.8	24.9	26.2	29	26.4	26.8	30	24.2	97	96	89	78	94	89	37.6
22	58.78	59.49	60.61	58.46	58.72	59.87	26	25.2	27.4	27.5	27.5	27	28.3	24.8	90	94	89	92	88	88	14.9
23	58.79	59.04	59.62	57.51	58.36	59.23	26.3	26	30	30.1	26	25.4	30.3	25	90	92	78	74	93	92	51.9
24	58.45	58.73	59.76	57.38	58.13	59.10	24.9	24.6	25	29.6	27	27	29.8	24	94	98	95	78	80	81	15
25	57.56	57.94	58.83	56.71	56.95	57.75	26.4	26.3	28.8	28.5	25.9	25.3	29.1	24.7	89	90	79	79	88	91	15
26	55.73	55.78	56.16	54.63	55.34	57.28	26.2	25	26.1	28	27.5	26.4	28.8	24.6	85	92	89	87	81	89	1.6
27	56.84	57.68	59.07	57.66	58.70	60.03	25	23.9	30.4	31.4	26.5	24.5	32.3	23.5	93	97	72	66	90	96	------
28	59.35	60.05	60.47	58.78	59.36	60.74	24.2	23.5	30.4	31.4	27.3	26.5	31.4	23.3	97	97	72	70	87	92	------
29	58.35	58.89	60.16	58.32	59.42	60.19	24.8	23.5	29.3	30.5	26.5	26.5	32.3	23.4	95	98	76	68	88	89	2.3
30	59.38	59.96	60.34	58.60	59.51	61.07	26	24.4	28.1	29.9	26.6	27	29.9	24.2	89	95	84	75	92	92	5.1
31	59.91	60.51	61.21	59.38	60.45	61.16	25.6	24.8	28.2	29.2	27.2	26.1	29.3	24.5	93	93	87	81	87	94	1
Mean	57.96	58.35	59.19	57.18	57.91	59.10	25.3	24.8	28.6	29.3	26.7	25.8	30.3	24.1	92.1	93.7	80.2	77.6	87.8	91.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	563.9

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	SW	SW	SW	Calm	Calm	48.1	53.7	34.1	14.2	150.1	10	Ci.-S.	Cu. SW	9	Ci.-S.	Cu. SW
2	Calm	Calm	SW	SW	Calm	Calm	16.1	37.3	45.3	8.9	107.6	7	A.-Cu.	Cu.	7	Ci.	Cu. SW
3	Calm	Calm	SW	SW	Calm	SW	21.7	47.2	37.8	22	128.7	1	Ci.	Cu.	10	Ci.-S.	Cu.-N. SW
4	Calm	Calm	SW	SW	Calm	Calm	13.4	36.8	34.9	10	95.1	6	Ci.	Cu. SW	7	Ci.	Cu. WNW
5	Calm	Calm	NNE	N	N	Calm	13.5	46.5	54.7	22.8	137.5	10	------	N. WNW	10	Ci.-S.	S.-Cu. N
6	Calm	Calm	NE	NE	Calm	W	15.6	39.9	45.9	24.7	126.1	8	Ci.	Cu.	6	Ci.	Cu. E
7	Calm	Calm	NE	NW	Calm	Calm	16.1	35.1	62.3	31.6	145.1	10	Ci.-S.	Cu.	8	Ci.-S.	Cu. NW
8	WSW	WSW	SW	WSW	SW	SW	54.1	51	51	48.8	204.9	10	------	N.	10	Ci.-S.	Cu.
9	SW	Calm	SW	SW	SW	Calm	41.2	53.6	61.5	35.6	191.9	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
10	Calm	Calm	SSW	SW	SW	Calm	27.2	59	76.6	22.3	185.1	10	Ci.-S.	Cu.	7	Ci.	Cu. S
11	Calm	Calm	Calm	Calm	Calm	E	13.7	35.1	41	22	111.8	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
12	Calm	Calm	Calm	NE	Calm	Calm	11	41.8	39.7	20.6	113.1	10	Ci.-S.	Fr.-N.	3	Ci.	Cu. E
13	Calm	Calm	E	NE	NE	NE	19.3	43.3	93.3	104.4	260.3	10	Ci.-S.	S.-Cu. NNE	10	Ci.-S.	Cu. NE
14	NE	NE	NE	NE	NE	NE	85.5	114.3	114.3	113	427.1	10	Ci.-S.	Cu. NE	10	Ci.-S.	Cu. NE
15	NE	NE	NE	NE	NE	NE	122.3	125.2	163.1	159.1	569.7	10	Ci.-S.	S.-Cu. NNE	10	Ci.-S.	Cu. NNE
16	NE	NE	NE	NE	NE	NE	165.2	222.1	219	199.3	805.6	10	------	S.-Cu. NNE	10	------	cu.-N. NE
17	ENE	ENE	ENE	ENE	ENE	NE	107.8	63.4	48.6	35.1	254.9	10	Ci.-S.	S.-Cu. ESE	10	Ci.-S.	S.-Cu. ESE
18	Calm	Calm	Calm	E	Calm	Calm	30.4	34.9	47.7	16.4	129.4	2	Ci.	Cu.	8	Ci.	Cu. S
19	Calm	Calm	ENE	ENE	NE	NE	32.7	57.4	104.9	94.3	289.3	10	Ci.-S.	Cu.-N. ENE	8	Ci.	Cu. NE
20	ENE	ENE	ENE	NE	NE	NE	69.8	74.2	99	107.8	350.8	4	Ci.	Cu. NE	8	Ci.	Cu. NE
21	NE	Calm	NE	NE	Calm	NE	62.3	86.4	40.5	85.9	275.1	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	Cu. NE
22	ENE	ENE	ENE	ENE	NE	ENE	66	98.2	64.9	67.1	296.2	10	Ci.-S.	N. ENE	10	Ci.-S.	S.-Cu. ENE
23	ENE	Calm	NE	NE	Calm	NE	39.2	51.8	53.1	19.8	163.9	3	Ci.	Cu. NE	4	Ci.	Cu. NE
24	Calm	Calm	Calm	NE	NNE	NNE	28.8	34	87.1	55.8	205.7	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	Cu. NE
25	NNE	N	N	N	NNW	NNW	68.6	87.5	65.2	52.1	273.4	10	Ci.-S.	S.-Cu. NNE	10	Ci.-S.	Cu. NNE
26	W	SW	WSW	SW	SW	Calm	67.4	88.7	83.9	61.8	301.8	10	Ci.-S.	Cu. NW	10	Ci.-S.	S.-Cu. WSW
27	Calm	Calm	SW	SSW	Calm	Calm	17.4	27.1	31.4	12.7	88.6	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. SSW
28	Calm	Calm	S	S	E	E	17.4	38.8	67.4	32.5	156.1	2	Ci.	Cu.	7	Ci.	Cu. S
29	Calm	Calm	ESE	ENE	Calm	E	16.4	44.6	69.2	27.7	157.9	4	Ci.	Cu. ENE	6	Ci.	Cu. E
30	E	Calm	ENE	ENE	Calm	ENE	54.7	36	58.9	38.6	188.2	10	Ci.-S.	S.-Cu. E	10	Ci.-S.	Cu. ENE
31	Calm	Calm	NE	NE	NE	Calm	13.1	44	59.8	42.1	159	5	Ci.	Cu. ENE	7	Ci.-S.	Cu. E
Mean	------	------	------	------	------	------	44.4	61.6	69.6	51.9	227.4	8.1	------	------	8.5	------	------
Total	------	------	------	------	------	------	------	------	------	------	7,050	----	------	------	----	------	------

PARACALE.

[$\phi = 14°\ 17'$ N; $\lambda = 122°\ 47'$ E; barometer above sea, 5.3 meters; gravity correction not applied, —1.73 mm.]

NOVEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.86	59.93	60.78	58.31	59.35	60.26	26.2	26.9	29.7	30.3	27	27.5	30.3	26	90	89	77	76	92	88	14.5
2	58.73	59.32	60.48	58.31	59.26	60.61	25	26.1	29.6	28	27	26.9	29.8	24.5	93	92	74	85	87	86	1.8
3	59.20	60.04	59.90	58.17	59.36	60.46	24.6	24.2	29	30.6	25.9	24.1	31.8	23.4	97	98	81	72	93	99	3.8
4	59.46	59.90	60.57	58.63	59.61	60.84	23.2	23	27.4	30.4	26.5	26	30.5	22.5	97	96	89	70	84	80	2.3
5	59.92	60.18	60.88	59.28	59.26	59.92	24.4	24.1	29.1	29.2	27.5	27	29.4	22.5	95	95	77	74	81	84	7.4
6	58.65	58.95	58.94	56.95	58.28	59.26	26.4	26.8	27	27	25.6	26.4	27.6	24.1	89	86	88	91	95	90	83.1
7	59.10	59.94	61.51	59.63	60.01	60.82	26	25.6	25	26.7	25.4	26.5	26.8	24.4	92	95	92	88	92	88	7.6
8	60.74	60.91	62.01	59.78	60.21	61.22	25.8	25.2	30.4	28.4	27	27	30.8	25	87	90	76	82	84	84	3.6
9	59.81	60.13	60.87	58.54	58.89	59.91	26.2	26	28	28.5	26	26.2	29.8	25.5	85	88	85	81	88	88	6.9
10	59.03	59.64	60.61	58.78	59.26	60.26	26	26	29.5	28	27.4	27	29.6	25	88	87	72	81	78	84	1.3
11	59.78	60.18	61.08	59.48	60.18	61.19	26.4	25.4	30.1	30	27.3	27.2	30.3	25	87	88	74	75	84	87	2.8
12	60.57	60.73	61.50	59.28	59.83	60.41	26.4	26.1	29.5	29.4	27.3	26	29.8	25.4	91	91	78	79	84	92	4.8
13	59.25	59.51	60.16	58.36	58.88	59.64	26.2	26.3	29.7	30	26.5	25	31.2	24.2	90	90	74	75	88	95	.8
14	58.68	59.13	60.04	58.06	59.29	60.11	25.6	24.6	26	30	27	26.5	30.3	24.2	93	95	92	72	80	89	36.9
15	59.63	59.96	60.68	58.86	59.23	60.19	25.8	25.8	28	28.9	25.6	24.5	29.6	24.4	93	93	83	82	91	96	15.7
16	59.26	59.39	60.54	58.63	58.99	59.93	26	25.9	26.2	27	26	26.2	27	24.5	92	93	92	88	89	90	9.3
17	58.54	59.34	60.09	58.17	59.24	59.84	24.6	24	27	29.3	26.6	24.5	29.8	24	95	99	85	79	88	97	9.5
18	58.74	59.40	60.06	57.76	58.52	59.58	24.6	23.9	29.6	30.1	26.4	25	30.3	23.4	95	97	74	72	87	96	------
19	58.82	59.46	60.19	57.91	58.38	59.76	23.1	22.8	29.4	29	27.3	26.8	30.3	22.5	97	97	75	79	83	86	3.3
20	58.63	58.71	59.40	57.48	57.83	58.26	26.6	26	29.1	29.7	26.6	25.5	29.8	23.5	87	92	78	75	90	93	58.7
21	57.50	57.73	59.41	57.42	58.24	59.54	24.4	26	26.3	27.9	26.4	26.4	28.8	23.6	95	84	82	77	78	89	9.5
22	58.83	59.14	59.71	57.94	58.85	60.13	25	24.6	27	27.6	26.5	26.5	27.8	24	92	90	80	80	77	77	1.1
23	58.68	59.08	60.19	57.81	58.08	58.99	25.8	26	28	28.2	27	25.5	28.7	25.2	81	79	70	73	78	88	3.6
24	57.30	57.51	58.67	56.90	57.40	57.85	26.4	26.6	28	27.1	27	26.1	28	25	81	80	77	83	77	83	16.7
25	54.46	53.89	56.08	54.18	55.61	57.35	25.8	26	24.9	27.1	25.6	25.5	27.3	24.2	93	95	92	83	95	80	33.9
26	57.30	58.32	59.05	56.97	57.51	59.41	25.8	22.6	29.5	30.4	25.4	24	30.6	22.1	81	95	71	63	93	96	1
27	58.96	59.40	60.21	58.40	58.83	59.31	24	23.8	29	29.6	26.5	27	29.8	23.2	95	97	81	75	91	86	6.6
28	57.73	57.85	58.98	56.43	57.03	57.82	27.2	27	28	28.1	27	26.9	28.3	25.2	85	89	85	84	88	89	37.6
29	56.48	57.27	59.12	57.28	58.08	59.90	27	24.4	25	26	25	24.5	27.3	23.2	86	93	92	92	92	98	20.9
30	58.85	58.80	59.68	58.49	59.38	60.47	25.2	25	27.4	25	25.5	25	29.8	24.5	90	92	81	86	92	88	1
Mean	58.75	59.12	60.05	58.07	58.76	59.77	25.5	25.2	28.1	28.6	26.5	26	29.4	24.1	90.4	91.5	80.9	79.1	86.6	88.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	406

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	NE	NE	NE	ENE	ENE	66.5	99.3	123.9	124.1	413.8	5	Ci.	Cu. NE	10	Ci.-S.	S.-Cu. NE
2	ENE	ENE	E	Calm	E	E	99.3	83.5	65.4	43.1	291.3	3	Ci.	Cu. ENE	10	Ci.-S.	S.-Cu. E
3	Calm	Calm	E	E	E	Calm	8.9	40.8	60.6	27.9	138.2	4	Ci.	Cu. E	2	Ci.	Cu. E
4	Calm	Calm	E	E	E	E	19.3	58.1	66.2	56.3	199.9	3	Ci.	Cu. E	7	Ci.	Cu. E
5	Calm	Calm	ENE	NE	NE	ENE	32	71.3	112.1	122.5	337.9	10	Ci.-S.	Cu. NE	10	Ci.-S.	Cu. ENE
6	NE	NE	NE	E	E	E	151.1	188.3	205.4	128.5	673.3	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	S.-Cu. E
7	E	E	ESE	E	Calm	E	108.1	99.5	59.5	60.6	327.7	10	Ci.-S.	S.-Cu. E	10	Ci.-S.	S.-Cu. E
8	E	E	E	E	E	E	57.9	79.7	104.6	98.4	340.6	6	Ci.	Cu. E	4	Ci.	Cu. E
9	E	E	E	E	E	E	79.4	107	90.3	83.4	360.1	4	Ci.	Cu. E	4	Ci.	Cu. E
10	E	E	E	E	E	E	77.7	98.7	98.2	107	381.6	6	Ci.	Cu. E	7	Ci.	Cu. E
11	E	E	ENE	ENE	ENE	ENE	66.8	91.9	128.5	121.5	408.7	6	Ci.	Cu. E	8	Ci.	Cu. ENE
12	ENE	ENE	ENE	ENE	ENE	ENE	88.8	111.6	119.6	103.5	423.5	5	Ci.	Cu. ENE	10	Ci.-S.	Cu. ENE
13	ENE	ENE	ENE	ENE	ENE	Calm	93.9	99.2	66.2	17.1	276.4	6	Ci.	Cu. ENE	2	Ci.	Cu. ENE
14	Calm	Calm	Calm	ENE	ENE	ENE	35.2	31.7	74	75.8	216.7	10	Ci.-S.	Cu. ENE	3	Ci.	Cu. ENE
15	NE	NE	ENE	ENE	E	Calm	56.1	90.3	75.6	12.9	234.9	10	Ci.-S.	S.-Cu. NE	8	Ci.-S.	Cu. ENE
16	E	E	NE	NE	Calm	NE	38.8	54.7	78.1	50.4	222	10	Ci.-S.	S.-Cu. ENE	10	Ci.-S.	S.-Cu. NE
17	Calm	Calm	Calm	E	ENE	Calm	29.2	25.5	52.3	32	139	10	----------	N.	4	A.-Cu.	Cu. E
18	Calm	WSW	Calm	ENE	Calm	Calm	17.2	38	60.6	11.6	127.4	9	Ci.	Cu. NE	3	Ci.	Cu. E
19	Calm	Calm	NE	NNE	NNE	NNE	12.4	43.8	61.8	44.1	162.1	2	Ci.	Cu. ENE	6	Ci.	Cu. NNE
20	Calm	NNE	NNE	NNE	N	N	35.2	69	59.8	43.1	207.1	6	Ci.	Cu. NNE	6	Ci.	Cu. NNE
21	N	N	NNE	NNE	NNE	NNE	135.8	136.2	100.8	108.4	481.2	10	Ci.-S.	cu.-N. NNE	10	Ci.-S.	Cu. NNE
22	NNE	NNE	N	NNE	NNE	NNE	84.5	85.3	85	105.1	359.9	10	Ci.-S.	S.-Cu. NNE	10	Ci.-S.	s.-Cu. NNE
23	NNE	NNE	NNE	NNE	NNE	NNE	85.9	105.4	106.2	119.3	416.8	6	Ci.	Cu. NNE	3	Ci.	Cu. NNE
24	NNE	NNE	NNE	NNE	NE	NNE	135.8	159.3	209.2	186.9	691.2	6	Ci.	Cu. NNE	10	Ci.-S.	Cu. NNE
25	NNE	NNE	E	E	Calm	Calm	213.7	218.8	81	37.3	550.8	10	----------	cu.-N. NNE	10	Ci.-S.	S.-Cu. E
26	W	Calm	Calm	NE	Calm	Calm	33.8	34.6	49.4	16.4	134.2	0	Ci.	Cu.	2	Ci.	Cu.
27	Calm	Calm	NE	NE	NE	NE	15.3	40.4	74.8	111.8	242.3	6	Ci.	Cu. NE	10	Ci.-S.	Cu. NE
28	ENE	ENE	ENE	ENE	E	E	134.4	172.2	209.2	160.9	676.7	10	Ci.-S.	S.-Cu. ENE	10	Ci.-S.	s.-Cu. ENE
29	ESE	ESE	E	ENE	E	Calm	148.1	74	71.9	34.1	328.1	10	----------	N. E	10	Ci.-S.	S.-Cu. E
30	Calm	SE	Calm	SW	E	E	44.6	34.9	47.2	39.2	165.9	10	A.-Cu.	Cu. ESE	10	Ci.-S.	S.-Cu. SE
Mean	------	------	------	------	------	------	73.5	88.1	93.2	76.1	331	7.1	----------	----------	7.3	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	9,929.3	----	----------	----------	----	----------	----------

PARACALE.

[$\phi = 14°\ 17'$ N; $\lambda = 122°\ 47'$ E; barometer above sea, 5.3 meters; gravity correction not applied, —1.73 mm.]

DECEMBER, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.05	60.78	61.61	59.53	60.76	62.08	24.6	23.2	30	28.3	25.5	24	30.6	23	88	98	75	82	93	97	------
2	60.54	61.55	62.53	60.11	60.26	61.38	22.7	21.9	28.1	29.4	26.6	24.6	29.8	21.6	97	97	80	75	84	96	2.5
3	60.14	60.18	60.61	58.07	58.27	59.39	24.6	23.4	28.4	28.5	26.8	26.1	28.8	23.4	95	97	75	78	78	79	.8
4	57.73	57.75	58.30	55.93	56.55	57.25	26	26	27.6	27.6	26.1	26.2	.28	24.3	78	76	73	69	79	78	------
5	55.94	56.65	57.98	56.82	57.37	58.85	24.1	24.5	29.5	30	25.7	24.2	30.8	23.6	92	87	75	62	92	97	2.3
6	58.25	59.30	60.52	59.16	60.02	61.37	24.2	23.5	29.5	28.9	26.6	26.1	29.6	23	97	97	70	71	77	79	2.3
7	60.25	61.37	62.36	60.73	61.06	62.23	25.6	24.5	26.5	27.3	25.2	25.5	28	23.8	81	87	73	68	74	65	6.1
8	61.03	61.13	62.04	60.26	61.49	62.06	23.5	24.4	27	25.4	26	25.6	28	22.1	75	82	73	88	80	79	.5
9	61.51	61.61	62.94	61.26	61.55	62.67	25.7	25.8	28	25	24.3	24.5	28.2	23.2	78	78	70	88	93	92	58.9
10	61.68	61.83	63.54	62.01	62.51	62.94	24.8	25.4	26.1	26.5	25.6	26.1	27	23	89	84	76	74	81	79	10
11	61.77	61.77	62.74	61.12	61.46	62.63	24.6	25	28	27	25.7	24.5	28.2	23	90	88	77	83	89	96	17.6
12	61.87	61.89	63.12	61.16	61.69	62.43	25.8	25.4	28	29	26	26	29.2	24.5	81	84	73	71	80	88	4.5
13	61.96	62.16	63.23	61.20	61.72	62.89	25.6	25.9	27.5	28	26.4	26.5	28.3	24.8	88	85	84	79	85	84	6.6
14	62.19	62.29	63.18	61.16	61.59	62.16	25.8	24.8	29	26.8	25.2	25.6	29.4	23.8	89	97	81	86	94	92	14.3
15	60.32	61.18	62.33	60.61	61.48	62.63	24.2	23.6	28	28.4	26	25.8	28.4	23.1	98	99	81	78	88	82	.3
16	60.96	61.41	62.48	60.53	61.17	62.05	26	26	28	28	26	25	28.3	24	82	85	73	73	81	83	5.6
17	60.78	60.80	61.93	60.01	60.73	61.31	25	25	26.5	28.3	26	26	28.5	24	84	88	82	74	84	78	1
18	60.18	60.63	61.42	58.78	59.05	59.51	23.8	22.9	28.4	28.3	25	25.4	28.8	22.7	91	95	75	68	76	77	------
19	58.58	58.64	59.88	58.29	58.88	59.76	24.8	25	27	28.2	25	24.6	28.4	23.1	80	83	77	69	92	91	4.8
20	59.13	59.18	60.31	58.98	59.38	60.13	25.5	26	27	27.6	26.5	26.4	27.8	23.9	88	84	86	83	81	82	5.9
21	59.46	59.56	60.88	58.83	59.27	60.64	26.2	25.5	27	28.1	26.4	26	28.6	24.9	82	88	80	78	81	82	1.1
22	60.06	60.41	61.83	60.02	60.52	62.26	25.7	25.5	27.5	28.1	26	26	30.3	24.4	81	83	73	64	73	72	------
23	61.16	61.61	63.19	61.33	61.38	62.74	26	26	26.7	26.5	26	25.6	27.2	25.2	72	72	75	80	80	83	12.4
24	60.78	61.25	62.63	60.41	61.27	62.70	23.8	23.5	24.3	26	23	22.6	26.3	21.9	95	96	89	81	96	97	141.5
25	61.60	61.72	62.77	61.39	62.06	62.76	23.4	24.5	24.5	26.1	26.1	26	26.4	22.1	93	92	90	85	82	84	113.3
26	61.83	61.88	62.63	60.38	60.59	62.28	23	24.8	25.5	27.5	25.5	23.2	27.8	22.3	91	90	92	84	92	98	7.1
27	61.28	61.40	62.49	60.81	60.94	61.75	23.2	23	27	25.8	26	24.9	27.8	22.1	97	96	86	90	88	91	10.5
28	61.05	61.40	62.34	60.71	61.19	62.36	23.5	22.8	27.5	28	25.6	26.5	30	22.6	93	97	84	81	88	88	9.1
29	61.36	61.94	63.02	61.21	62.28	63.49	26.2	24.5	27.4	28.3	26.5	24.5	28.3	24.2	88	96	85	79	85	96	8.8
30	62.13	62.33	63.43	61.44	62.09	63.06	25.6	25.4	27.5	25.5	25.5	25.3	27.8	24.1	89	88	78	91	88	89	3.3
31	61.78	62.04	63.14	60.74	61.36	62.45	25.6	25.6	28	27.4	25	24.6	28.8	23.1	89	91	81	85	96	93	40.9
Mean	60.56	60.89	61.98	60.10	60.64	61.68	24.8	24.6	27.5	27.5	25.7	25.3	28.5	23.4	87.5	89	78.8	78	84.8	86	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	492

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	Calm	NE	NE	Calm	Calm	26.4	35.2	57.4	15.6	134.6	10	Ci.-S.	Cu.	7	Ci.-S.	Cu. E
2	Calm	Calm	E	NE	N	Calm	15.1	35.2	45.4	23.5	119.2	3	Ci.	Cu.	8	Ci.-S.	Cu. ENE
3	Calm	Calm	N	NNE	NNE	NNE	19.8	56.9	84.5	67.8	229	6	Ci.	Cu. NE	8	Ci.-S.	Cu. NNE
4	NW	NW	NW	W	Calm	W	54.7	67.1	60.4	51	233.2	10	Ci.-S.	Cu. NNW	10	Ci.-S.	Cu.
5	SW	SW	SW	W	Calm	Calm	66	73	41.2	12.6	192.8	10	Ci.-S.	Cu. WNW	10	Ci.-S.	Cu.
6	Calm	Calm	NNE	N	NNE	NNE	16.9	44.6	74.5	94.6	230.6	3	Ci.	Cu. NW	10	Ci.-S.	Cu. N
7	NE	NE	NNE	NNE	NE	NNE	115.7	115.9	135.2	90.1	456.9	10	Ci.-S.	s.-cu. NNE	10	Ci.-S.	Cu. NNE
8	NE	NE	NE	NE	NE	NE	87.7	139.2	129.7	118.3	474.9	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	Cu. NE
9	NE	NE	NE	NE	NE	NE	119.1	146.7	168.4	212.4	646.6	10	Ci.-S.	Cu. NE	10	Ci.-S	Cu. NE
10	NE	NE	NE	NE	NE	NE	226.9	225.3	189.9	186.6	828.7	10	------	N. NE	10	Ci.-S.	S.-Cu. NE
11	NE	NE	ENE	ENE	ENE	NE	183.4	171.9	155.3	88.3	598.9	10	Ci.-S.	S.-Cu. NE	10	Ci.-S.	s.-cu. ENE
12	NE	ENE	ENE	ENE	E	E	122	141.6	117.5	114.3	495.4	4	Ci.	Cu. ENE	3	Ci.	Cu. ENE
13	ENE	ENE	ENE	ENE	ENE	ENE	135.2	143.4	117.7	110.2	506.5	6	Ci.	Cu. ENE	6	Ci.	Cu. ENE
14	ENE	ENE	E	ENE	ENE	ENE	63.4	85.6	84.8	57.6	291.4	10	Ci.-S.	Cu. ENE	10	Ci.-S.	S.-Cu. E
15	Calm	Calm	ENE	E	E	E	15.3	48.6	83.1	84.2	231.2	10	Ci.-S.	Cu. ENE	6	Ci.	Cu. E
16	NE	NE	ENE	ENE	ENE	ENE	96	126.6	107	87.9	417.5	10	Ci.-S.	S.-Cu. NE	6	Ci.	Cu. E
17	ENE	ENE	E	NE	NE	NE	72.7	67.9	83.4	91.5	315.5	10	Ci.-S.	Cu. E	4	Ci.	Cu. E
18	NE	Calm	ENE	NE	Calm	N	37.6	86.4	79.5	52.9	256.4	4	Ci.	Cu. ENE	8	Ci.	Cu. NNE
19	Calm	Calm	NW	NW	Calm	Calm	27.1	33.6	39.2	16.1	116	10	Ci.-S.	Cu. N	8	Ci.-S.	Cu. N
20	N	N	NNE	NNE	NNE	NNE	51.2	85.8	91.1	88.3	316.4	10	Ci.-S.	S.-Cu. N	10	Ci.-S.	Cu. NNE
21	NNE	NNE	NE	N	NNE	NNE	76.9	63.3	83.2	72.7	296.1	10	Ci.	Cu. NNE	10	Ci.-S.	Cu. NNE
22	NE	NE	NE	NE	NE	NE	89.1	105.6	123.7	104.4	422.8	4	Ci.	Cu. NE	10	Ci.-S.	Cu. NE
23	NE	NE	NE	E	ENE	ENE	111.3	122.9	105.6	134.4	474.2	10	Ci.-S.	Cu. NE	10	Ci.-S.	Cu. E
24	ENE	ENE	ENE	ENE	ENE	NE	123.1	168.9	168.9	143	603.9	10	------	N. ENE	10	Ci.-S.	s.-cu. ENE
25	NE	NE	ENE	ENE	ENE	ENE	143.2	188.5	194.7	199.5	725.9	10	Ci.-S.	Cu. NE	10	Ci.-S.	s.-cu. ENE
26	ENE	ENE	ENE	ENE	ENE	Calm	88.2	109.7	119.4	20.6	337.9	10	Ci.-S.	s.-cu. ENE	10	Ci.-S.	Cu. ENE
27	Calm	Calm	ENE	ENE	ENE	ENE	14.3	67.8	98.4	77.4	257.9	10	Ci.-S.	s.-cu. ENE	10	Ci.-S.	s.-cu. ENE
28	Calm	Calm	Calm	NE	ESE	NE	11.8	30	64.2	63.1	169.1	4	Ci.	Cu. ENE	6	Ci.	Cu. ENE
29	NE	NE	NE	ENE	NE	NE	91.9	102.7	119.4	102.5	416.5	10	------	N. NE	10	Ci.-S.	Cu. NE
30	ENE	ENE	ENE	Calm	ENE	ENE	125	110.5	84	99.5	419	10	Ci.-S.	s.-cu. ENE	10	Ci.-S.	Cu. ENE
31	ENE	ENE	ENE	ENE	ENE	ENE	116.9	160.9	143	86.3	507.1	10	Ci.-S.	s.-cu. ENE	10	Ci.-S.	Cu. ENE
Mean	------	------	------	------	------	------	82.1	102	104.8	89.3	378.1	8.5	------	------	8.7	------	------
Total	------	------	------	------	------	------	------	------	------	------	11,722.1	----	------	------	----	------	------

SAN ISIDRO.

[$\phi = 15°\ 22'$ N; $\lambda = 120°\ 53'$ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

JANUARY, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.68	61.05	62.03	59.28	60.22	61.24	20.5	20.1	27.6	31.4	27.5	23.6	32.7	19.4	91	93	66	48	66	82	------
2	60.58	61.41	62.19	59.58	60.46	61.83	22	22	28.7	31	26.5	23	33.5	21.4	91	96	62	51	66	83	------
3	61.49	61.96	63.02	60.81	61.37	62.56	21	20.4	27	29.4	26.1	23	31.2	20	91	92	68	57	68	90	------
4	62.02	62.19	63.10	61.17	61.71	61.95	22	22	24.5	26.2	24.4	22.7	28	21.5	91	91	89	86	93	92	3.8
5	61.31	61.85	62.99	60.50	61.02	61.54	21.7	20.8	27.1	29.4	25.4	21	30.8	19.5	94	96	76	56	68	86	------
6	61.23	61.68	62.25	60.07	60.02	61.51	21.5	19.2	27.9	30.1	26	20.9	31.5	18.9	87	96	64	49	62	87	------
7	60.92	61.58	62.05	60.07	61.02	61.45	19.6	18	27.6	30.2	25.7	21	31	17.5	92	97	62	48	61	85	------
8	61.41	61.83	62.25	59.86	60.93	61.40	19.6	20.4	25.2	27.7	25	22.6	29.2	19.5	94	90	78	65	72	86	------
9	60.43	61.58	61.88	59.22	60.07	61.05	19.6	18	26.5	31.5	28.4	25.1	33.2	17.5	90	96	70	51	60	79	------
10	60.52	61.89	62.45	60.18	61.47	62.34	23.2	22	28.2	30.4	26.4	25.1	32.2	21.9	90	93	68	56	70	80	------
11	61.86	62.69	63.99	60.56	61.59	62.91	23.1	21	28	32.7	26.8	24.5	33	20.6	90	96	68	50	71	83	------
12	61.70	62.66	63.93	61.32	62.19	63.52	23.4	22.5	27.3	29.5	26.5	25	31.2	22	88	94	73	64	73	80	------
13	62.50	62.89	64	61.06	61.59	63.58	23.6	22.5	27.3	30.3	26.6	24	30.7	22	90	96	71	61	72	81	1.8
14	62.92	63.21	64.19	61.57	61.39	62.88	23.5	21.4	29	30.3	27	24.2	32	20.3	87	91	62	57	65	82	------
15	62.19	62.88	64.07	61.60	61.85	63.64	22	20	28	30.9	26	23.8	32.2	19	91	91	65	52	67	78	------
16	63.56	64.07	64.59	61.87	62.01	64.09	21.5	19	27.4	31.9	27.6	23.2	32.9	17.6	87	94	64	44	56	77	------
17	62.89	63.54	64.62	62.40	62.61	63.91	21	20.6	28	32.5	27.2	23.7	32.8	19.1	89	91	63	44	61	77	------
18	62.85	63.73	64.55	61.77	62.07	63.59	21	20	27.4	31.2	27.4	23.8	33	19	91	92	66	48	60	81	------
19	63.32	64.24	64.98	62.65	62.98	64.24	23.2	20	28	31.7	26.6	23.4	33.2	19.5	81	92	66	46	58	76	------
20	63.66	63.97	65.04	62.37	62.57	63.56	20.5	18.6	26.8	30.5	26	22.8	32.6	18.1	86	92	57	46	66	79	------
21	63.31	63.68	64.56	61.83	62.32	63.94	20.5	18.6	26	31.4	26	21	32	18	91	94	69	50	69	82	------
22	62.81	63.13	64.25	62.18	62.15	62.65	22	19.6	27	29.4	25.7	22	31.2	18.9	82	89	60	48	59	78	------
23	62.46	62.88	64.11	61.67	61.62	63.14	18.6	16.6	27	30.2	27.5	20.9	31.3	16.4	90	94	57	48	53	79	------
24	62.95	63.61	64.43	61.60	61.59	63.24	18.6	16.6	26.4	32.2	28.9	24	33.4	15.6	90	94	59	40	56	67	------
25	62.93	63.16	64.30	62.12	62.39	63.20	20.2	17.5	26	28.6	26	24	30.4	16.8	89	95	69	57	63	75	------
26	62.89	63.32	64.65	62.26	62.90	64.48	21.4	19.7	27.7	31.8	26.6	22.4	32.2	19	87	93	58	39	58	76	------
27	64.33	65.16	66.24	63.41	63.59	65.18	20	17.4	25.4	30.6	26.6	22.5	32	16.5	87	94	66	45	57	78	------
28	64.16	64.65	65.50	62.37	62.73	64.45	22.4	20.6	28.5	30.6	27.5	22.7	32.7	20	79	87	52	46	60	73	------
29	63.69	64.26	64.88	61.48	61.97	64	21.5	19.5	28.4	32	27	23.5	33.2	18.7	78	90	55	42	59	79	------
30	62.92	63.25	64.25	61.87	62.52	63.84	22.5	20.6	27.8	30.1	26.4	24.6	31.7	20	78	90	55	52	66	71	------
31	62.99	63.26	63.89	61.15	61.49	63.09	22.5	21.5	28	31.5	27.7	25	32.2	20.5	82	79	52	46	63	73	------
Mean	62.37	62.94	63.85	61.29	61.79	63.03	21.4	19.9	27.3	30.6	26.6	23.2	31.9	19.2	87.9	92.5	64.8	51.4	64.5	79.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	5.6

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	NE	1	NE	1	NE	1	ENE	3	NE	2	NE	1	6	A.-Cu.	Cu. E	5	Ci. SE	Cu. E	
2	NNE	1	NE	1	NE	2	ENE	4	ENE	4	NE	1	10	Ci.-S.	N. E	6	Ci.	Cu. E	
3	NE	1	NE	1	NE	2	E	5	NE	3	NE	2	6	Ci. SE	Cu. ENE	8	Ci.-S. SE	Cu. E	
4	Calm	----	NE	1	NE	1	NE	2	NE	2	NNE	1	10	Ci.-S.	N. E	8	Ci.-S.	N. E	
5	NE	2	NE	1	ENE	2	ENE	2	NE	3	N	1	9	Ci.-S.	N. E	6	Ci.	Cu. E	
6	NE	1	NE	1	NE	2	ENE	5	ENE	3	NNW	1	4	Ci.	Cu. NE	4	A.-Cu.	Fr.-Cu. E	
7	NNE	1	NNE	1	NE	2	NE	4	NE	3	NE	1	2	Ci.	Cu. E	5	A.-Cu. NE	Fr.-Cu. E	
8	NE	1	NE	1	NE	1	NE	4	ENE	3	NE	1	8	Ci.	N. ENE	6	A.-Cu. NE	Cu. E	
9	NE	2	NE	1	NE	2	NE	2	NE	2	N	2	4	Ci.	S.	5	A.-Cu.	Cu. E	
10	NNE	1	NE	1	NE	2	E	3	NE	3	NE	1	5	A.-Cu.	Cu. ENE	5	Ci.	Cu. E	
11	NE	1	NE	1	N	2	NE	3	NE	3	NE	1	6	Ci. SE	Cu. ENE	7	Ci.	Cu. NE	
12	NE	1	NE	1	NE	2	NE	3	NE	2	NE	1	8	Ci.-S.	N. NE	9	Ci.-S.	N.-cf. E	
13	N	1	N	2	NE	3	E	4	E	3	E	1	10	Ci.-S.	N. ENE	7	A.-Cu. NE	Cu. E	
14	E	1	SE	1	SE	2	NE	3	NE	3	SE	1	3	Ci.	S.-Cu.	5	A.-Cu. E	Cu. N	
15	NE	1	NE	1	NE	3	NE	4	NE	3	NE	1	3	Ci.	Cu.	7	A.-Cu. NE	Cu. ENE	
16	NE	1	N	1	NE	3	NE	3	ENE	2	NE	1	7	Ci.	S. N	3	A.-Cu.	Cu. E	
17	NNE	1	NE	1	NE	3	E	4	NE	2	N	1	4	Ci.	Cu.	6	A.-Cu.	Fr.-Cu. E	
18	NNE	1	NE	1	NE	2	NE	3	NE	3	NE	2	5	A.-Cu.	Cu. E	5	A.-Cu.	Cu. E	
19	NE	1	NE	1	NE	2	NE	5	NE	4	NE	1	4	A.-Cu.	S.-Cu.	6	Ci. SE	Cu. E	
20	N	1	NE	1	NE	2	ENE	5	NE	2	NE	1	5	Ci.	S.-Cu.	6	Ci. SE	Cu. E	
21	N	1	N	1	NE	3	NE	3	NE	4	NE	3	5	Ci.	S. N	7	A.-Cu.	Cu. E	
22	NE	1	NE	1	NE	2	NE	4	ENE	4	NE	3	3	Ci.	S.-Cu.	5	A.-Cu.	Cu. E	
23	N	1	N	1	NE	2	NE	3	NE	2	N	2	3	Ci.	Cu.	4	A.-Cu.	Cu. E	
24	N	1	N	1	N	3	NE	3	NE	2	NE	1	2	Ci.	Cu.	4	A.-Cu.	Cu. E	
25	N	1	NNE	1	NE	2	ENE	4	ENE	3	N	1	5	A.-Cu.	S. NNE	8	A.-Cu. NE	N. E	
26	N	1	NE	1	NE	2	E	2	E	3	N	1	3	Ci.	S.-Cu.	4	A.-Cu.	Cu. E	
27	N	1	N	1	NE	2	NE	2	E	2	NE	2	4	A.-Cu.	S. N	8	A.-Cu.	Fr.-Cu. E	
28	E	1	E	1	ENE	2	NE	2	NE	2	NE	1	7	Ci.-S.	N. E	7	Ci.-S. SE	Cu. NNE	
29	NE	1	NE	2	NE	2	NE	2	ESE	3	NE	1	3	A.-Cu.	S.-Cu.	5	Ci.	Cu. E	
30	NNE	1	NE	1	NE	3	NE	3	NE	2	NE	2	6	Ci.	S.-Cu. E	10	Ci.-S.	N. ENE	
31	NE	1	NE	1	NE	3	NE	2	E	2	E	1	7	A.-Cu.	S.-Cu. NE	7	A.-Cu. E	Cu. NE	
Mean	------	1	------	1.1	------	2.2	------	3.3	------	2.7	------	1.3	5.4	----------	----------	6.1	----------	----------	

SAN ISIDRO.

[$\phi = 15°\ 22'$ N; $\lambda = 120°\ 53'$ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

FEBRUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	62.61	62.81	63.67	60.85	61.30	63.53	22.2	20	28	31	26.8	23.8	32.7	19.1	81	94	61	53	71	85	------
2	62.66	63.41	64.47	61.59	62.55	64.25	23.5	22.6	26.5	29.6	24.8	22.5	31.1	21.5	83	88	70	57	72	82	0.3
3	63.11	63.49	64.74	61.80	62.07	63.68	21.5	20.6	23	29	26.2	21.6	30.4	20	87	91	80	57	67	86	------
4	62.93	63.51	64.28	62.16	63.08	63.91	19.5	18.6	26.6	29.6	25.8	24	30.7	17	91	94	64	55	69	79	------
5	63.36	63.67	65.23	62.86	63.44	64.39	23.5	22.7	26.3	29	25.7	23.5	30.2	21.7	79	80	65	59	68	79	------
6	63.89	64.44	65.42	62.88	63.33	64.56	21.2	21.6	28	29.8	25.2	24	31.7	20.8	89	87	61	54	67	71	------
7	63.95	64.58	65.59	63.04	63.56	64.71	21	19.5	27.6	28.2	24.8	21.7	31	18.8	86	91	60	56	66	80	------
8	64.19	64.65	64.95	61.80	62.23	63.98	21.4	21	26.6	31.5	26.7	23.7	32.2	20.5	87	87	63	48	62	76	2.3
9	63.21	63.77	64.15	61.05	61.68	63.30	23	21.5	26.5	30.8	26.3	22.4	31.5	20.7	87	94	74	47	61	76	------
10	62.61	62.96	63.52	60.51	60.65	61.99	21	18.8	27.6	33.2	28.6	22.1	34.1	18	86	96	62	37	51	77	------
11	61.51	62.03	63.07	60.65	61.17	62.58	20.6	18.4	29	33.3	28.6	24.6	33.4	18	85	92	60	44	60	68	------
12	62.04	62.06	62.39	59.77	60.05	61.34	21.6	20	28.4	31.4	26.6	25	33	19.3	86	95	60	47	60	68	------
13	60.77	61.08	61.60	58.92	59.04	60.50	20.6	18.8	29	31.7	26.5	22.6	33	18.4	90	92	50	41	55	74	------
14	60.25	60.52	61.44	58.25	58.21	60.93	20.4	17.6	28	33.3	29.3	24.4	34.2	17	82	94	60	36	45	74	------
15	60.16	60.15	60.99	58.65	59.34	61.33	21.6	18.7	28.8	33.1	28.4	25	34.1	18.1	86	93	58	42	51	70	------
16	60.64	60.70	61.53	58.76	58.97	60.87	22.2	20.6	30	32.6	28.5	25.6	34.7	19.5	81	89	60	52	63	78	------
17	60.42	60.63	61.67	58.60	58.84	61.19	23.6	22.6	31.1	34.9	29.4	24.6	35.8	21.8	86	89	59	42	58	87	------
18	60.26	60.89	62.03	59.74	60.17	61.84	23.5	21.6	29.9	33.5	28.4	27	34.8	21.1	87	95	64	48	68	70	------
19	61.44	62.25	63.53	61.26	61.72	63.22	23.4	21.6	30.1	32	27.2	25	33	20.9	88	91	50	45	59	68	------
20	62.76	62.79	63.33	61.32	61.83	63.39	22.5	20.6	28.6	30	26.5	24	32.2	20	78	85	54	47	55	70	------
21	62.44	62.41	63.17	61.94	61.08	62.43	24	23.7	28	26.2	27	24.5	30.7	23.4	83	76	68	79	65	82	1.3
22	62.06	62.34	62.99	60.09	59.85	62.40	23.2	22	29	34.4	31.5	24.6	34.7	21.5	90	96	59	36	48	82	------
23	61.81	62.05	62.21	59.74	59.88	61.26	22.4	20.6	29.3	32.8	27	24.6	33.9	19.6	88	94	54	45	63	68	------
24	60.64	60.87	61.66	59.07	59.35	60.65	22.6	21.2	29.9	31.5	28	24.1	33.7	20.5	81	84	50	49	56	74	------
25	60.77	61.45	62.09	59.74	59.89	60.86	20.8	19.4	30	32.3	27.1	24.6	33.6	18.6	91	90	51	40	59	69	------
26	60.45	61.05	61.84	59.32	60.09	61.27	20.4	18.2	30.3	33	27.4	24	33.6	17.4	91	94	49	39	58	75	------
27	60.13	60.65	61.38	59.32	59.37	60.67	20.1	19	30.3	32.1	27.9	25.7	33.2	18.6	90	92	50	46	57	67	------
28	59.16	60.78	61.53	58.37	58.47	60.60	25.4	22.5	31.5	33.5	29.4	24.6	34	20.8	73	78	51	38	50	71	------
29	59.71	60.33	61.36	58.66	58.97	60.57	23.6	20	31	34.4	28.4	24.5	35	19	74	89	47	31	51	71	------
Mean	61.72	62.15	62.96	60.37	60.70	62.28	22.1	20.5	28.6	31.6	27.4	24.1	33	19.7	85	90	59.1	47.2	59.8	75.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	3.9

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	NNE	1	NNE	2	NE	3	NE	2	N	4	N	3	3	Ci.	Cu.	7	A.-Cu. E	Cu. NE
2	N	2	N	2	N	4	N	4	N	4	NNE	3	10	A.-Cu.	N. NE	6	A.-Cu.	Cu. NE
3	NE	2	NE	1	NNE	3	NE	2	NNE	3	NE	2	10	Ci.-S.	N. NE	8	A.-Cu. E	Cu. NE
4	N	1	N	2	NE	3	NE	2	NE	3	NE	2	10	Ci.	S. N	10	Ci.-S.	N. E
5	N	1	NNE	1	NNE	2	NNE	2	E	4	NNE	2	6	A.-Cu. E	S.-Cu. NE	8	A.-Cu. E	N. NE
6	N	1	NNE	2	NE	1	E	3	E	2	NE	1	9	A.-Cu.	S.-Cu. ENE	7	A.-Cu. ESE	Cu. E
7	N	1	N	1	NE	2	NE	3	E	4	N	1	4	Ci.	Cu. E	7	Ci.-S.	Fr.-Cu. NE
8	NE	1	NNE	1	NNE	2	NE	2	E	4	N	2	10	A.-Cu.	S.-Cu. E	7	Ci.-S.	Cu. ENE
9	NE	1	NE	1	NE	2	NE	3	E	3	N	2	7	Ci.	N. NE	7	Ci.	Fr.-Cu. NE
10	N	1	NNE	1	NNE	2	NE	2	ENE	3	N	2	5	Ci.	S. N	5	Ci.	Cu. NE
11	N	1	N	1	NE	3	NE	2	NE	3	E	2	4	A.-Cu.	S.-Cu. NE	5	A.-Cu. E	Cu. NE
12	N	1	N	1	ENE	3	ENE	5	ENE	4	ENE	4	3	Ci.	S.	4	A.-Cu.	Cu. E
13	NE	1	NE	1	ENE	4	NE	5	ENE	4	NE	2	3	Ci.	S.-Cu.	3	A.-Cu.	Cu. ENE
14	N	1	N	1	N	2	NE	4	E	2	E	1	3	Ci.	S. N	4	Ci.	Cu. ENE
15	N	1	N	1	N	2	NE	4	ENE	3	NE	1	4	Ci.	S. N	5	Ci. SE	Cu. NE
16	NE	1	NE	2	NE	3	E	4	E	2	NE	2	4	Ci.	S.-Cu. NE	6	A.-Cu. E	Cu. NE
17	N	1	NNE	1	E	2	E	3	ESE	3	N	3	3	A.-Cu.	S.-Cu. E	6	A.-Cu. NE	Cu.-N. E
18	NNE	1	NNE	1	NE	2	E	4	E	3	E	4	5	A.-Cu.	S.-Cu.	6	A.-Cu. E	Cu. NE
19	NE	1	NE	1	NE	3	ENE	6	ENE	5	ENE	3	4	Ci.	S.-Cu.	5	A.-Cu.	Fr.-Cu. ENE
20	NE	1	NNE	1	ENE	2	E	5	ENE	4	NE	2	4	Ci.	Cu. ENE	7	A.-Cu. ESE	Cu. ENE
21	NE	1	NE	1	NE	3	NE	3	NE	3	NE	1	9	Ci.-S.	N. ENE	10	Ci.-S.	N. ENE
22	NE	1	NNE	1	NE	2	NE	2	ESE	2	N	2	7	Ci.	N. E	5	Ci.-Cu.	Cu. ESE
23	N	1	N	1	NE	2	NE	4	E	4	N	2	5	Ci.	S. N	5	Ci.	Cu. E
24	N	1	N	1	NE	3	ENE	5	ENE	4	NE	1	5	A.-Cu. W	Cu. ESE	4	Ci.	Cu. E
25	NNE	1	N	1	ENE	4	NE	4	ENE	4	ENE	2	4	Ci.	Cu.	4	Ci.	Cu. E
26	N	1	NNE	1	NE	4	NE	3	ENE	3	NE	1	4	Ci.	Cu.	3	Ci.	Cu.
27	N	1	N	1	E	3	NE	4	NE	4	NE	2	2	Ci.	Cu.	4	A.-Cu.	Cu. E
28	N	1	NE	1	E	3	E	4	E	4	NE	2	4	Ci.	Cu.	5	A.-Cu. ENE	Cu. E
29	NE	1	NE	1	E	3	ESE	4	ESE	3	ESE	2	4	Ci., A.-Cu.	Cu.	3	Ci.	Cu. E
Mean	------	1.1	------	1.2	------	2.7	------	3.4	------	3.4	------	2	5.3	------	------	5.7	------	------

SAN ISIDRO.

[$\phi = 15°\ 22'$ N; $\lambda = 120°\ 53'$ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

MARCH, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.98	60.93	61.93	59.59	60.04	61.39	22.5	18.9	30	31.9	28.4	25.5	33.7	18.4	78	91	49	44	57	68	------
2	60.98	61.81	63.02	60.55	60.54	62.04	22.6	20	29.5	32.4	28.8	26.2	33.7	19	86	91	47	40	50	60	------
3	61.50	62.44	63.64	60.98	61.01	61.93	23.2	22	29.8	34.8	27.8	25.8	35.2	21.5	73	82	55	39	61	70	------
4	61.40	62.21	63.85	60.90	60.57	61.28	24.8	21.5	25.7	33	28.2	24.3	33.4	20.4	69	82	78	46	57	71	------
5	60.93	61.29	62.28	59.53	59.56	61.59	20.6	18.6	29.1	33.6	29	25	35	17.5	91	94	51	42	55	72	------
6	61.21	61.51	62.16	59.54	59.64	61.44	22.6	20	30.6	34.5	29.4	25.5	35.2	19	78	91	55	39	51	72	------
7	60.88	61.94	62.82	60.45	60.64	61.98	23.6	20.6	30.4	33.7	29	27	34.5	19.8	78	90	52	42	54	65	------
8	61.41	62.03	62.80	60.69	60.68	62.30	23.5	23	31	34.7	30.2	27	35.5	22	83	86	53	43	52	64	------
9	61.98	62.84	63.62	60.66	60.30	61.82	26.5	22.6	30.4	35	30.6	27.6	36	22	66	82	56	42	55	63	------
10	61.34	61.96	63.24	60.60	59.97	61.32	25.6	23.2	31	33.7	28.7	24.6	34.4	21.5	71	81	47	39	59	63	------
11	60.71	60.65	61.77	58.37	57.71	59.37	21.5	18.6	28.6	34.5	32	26.9	36.2	17.5	82	88	55	35	38	63	------
12	58.58	58.88	59.79	57.12	56.70	59.19	23.8	21.5	30.6	37.2	32	26.4	37.4	20.4	77	85	58	32	45	66	------
13	58.03	59.07	60.47	57.34	57	59.84	24.6	20.6	29.7	36.8	32.2	26.6	38	20	71	90	58	36	50	69	------
14	59.46	59.98	61.25	58.18	58.20	60.67	25	23.5	31	37.2	30.6	26.5	37.7	22.6	76	84	59	37	55	71	------
15	60.10	60.67	62.07	59.75	59.32	60.92	24.8	22.6	29.5	32	28.4	26	33	21.6	77	82	63	46	61	69	------
16	60.58	60.81	62.03	59.08	58.72	61.43	23.2	20.6	31	35.7	32	26.8	36.2	20.2	81	94	53	39	49	67	------
17	60.46	61.46	62.93	59.67	59.42	62.02	23.6	22.6	29.9	35.6	31.5	26.6	36	21.8	78	82	51	32	46	76	------
18	61.48	61.80	63.23	61.37	61.37	62.89	26.2	24.6	30	27	25.5	24.5	32.1	23.7	75	75	55	79	80	82	5.3
19	62.04	62.61	63.70	61.28	61.33	62.97	23.5	23	28.5	29.7	27.5	25.5	32.7	22.6	80	81	57	54	63	72	------
20	62.19	62.14	62.79	60.05	60.42	63	22.6	20.7	31	33.9	29.4	26	34.9	19.6	78	91	53	41	53	72	------
21	62.06	62.79	64.06	61.60	61.87	63.19	23.6	21	29.9	33.6	28.8	25.2	34.5	20.5	86	91	54	40	54	71	------
22	63.12	63.79	64.06	62.09	62.01	63.52	23.6	20.7	31.5	32.7	29.5	25.5	34.4	19.4	78	90	46	38	49	66	------
23	62.21	62.61	63.43	60.71	60.58	62.12	23.5	21.7	29.2	33.8	29.4	25.5	34.6	20.9	75	86	55	44	50	65	------
24	61.60	62.42	62.99	60.45	60.76	63.13	21.3	19.7	31.4	34.5	29.8	25.8	35.9	19	83	89	53	44	54	74	------
25	62.64	63.04	63.62	61.14	61.07	63.14	24.8	22	30.7	34	29.1	26.6	35	21	77	88	55	39	54	65	------
26	62.51	63.06	63.52	60.47	60.94	62.73	23.2	20.5	31	33.9	28.4	25	34.7	20	78	86	44	39	58	72	------
27	62.09	62.62	63.47	60.75	60.77	62.52	22.2	20.4	31.4	34.1	30	25.6	34.7	19.5	81	91	45	40	49	67	------
28	61.72	61.84	63.03	60.70	60.65	62.02	20.6	19.6	32.1	33.6	29.5	26.6	34.9	19	85	85	46	41	55	65	------
29	61.59	62	63.01	61.01	61.36	62.63	22.6	20	33	34.4	28.5	27	36	19.5	78	91	48	39	58	63	------
30	61.76	62.46	63.25	61.02	61.38	62.99	23.2	22	30.7	34.5	28.8	27.2	34.9	20.9	81	87	50	27	53	59	------
31	61.92	62.25	63.08	60.92	61.07	62.65	23.2	20.6	30.2	31	28.4	25.6	35	19.8	81	91	54	48	55	68	------
Mean	61.24	61.80	62.80	60.21	60.18	61.94	23.4	21.2	30.3	33.8	29.4	26	35	20.3	78.4	87	53.4	41.5	54.2	68.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	5.3

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	N	1	N	1	NE	4	E	6	E	5	E	3	4	Ci.	Cu. ENE	3	A.-Cu.	Cu. E
2	NNE	1	NNE	1	NE	3	NE	5	ENE	4	NE	1	4	Ci.	Cu. E	3	A.-Cu.	Cu. E
3	NE	1	NE	1	NE	2	NE	3	NE	4	NE	2	7	A.-Cu.	S.-Cu. E	5	A.-Cu. E	Cu. ESE
4	NE	1	NE	1	NE	2	NE	3	ENE	4	NE	1	6	Ci.	Cu. E	8	A.-Cu. ESE	Cu.-N. E
5	N	1	N	1	E	2	NNE	2	E	3	E	1	5	Ci.	S.-Cu. E	4	Ci.	Cu. ENE
6	N	1	N	1	NE	2	ENE	4	ENE	3	ENE	1	2	Ci.	Cu.	2	A.-Cu.	Cu.-N.
7	N	2	N	1	NE	3	ENE	4	ENE	4	ENE	2	2	Ci.	Cu.	4	A.-Cu.	Cu. E
8	NE	1	NE	1	NE	4	NE	3	ENE	4	NE	1	3	Ci.	Cu. E	4	A.-Cu.	Cu.-N. E
9	NE	1	ENE	1	ENE	1	ESE	3	ESE	2	ENE	1	3	Ci.	Cu.	5	A.-Cu.	Fr.-Cu. E
10	NE	1	NE	1	E	2	E	4	E	2	NE	1	4	Ci.	Cu. E	5	Ci.	Cu. E
11	NE	1	NNE	1	N	1	N	2	SW	3	N	1	1	Ci.	Cu.	2	A.-Cu.	Cu. E
12	NNE	1	NE	1	NE	1	SSW	2	SSW	3	S	1	4	Ci.	S.	5	Ci.	Cu. S
13	NE	1	NE	1	NE	1	W	2	SSW	2	NE	1	4	Ci.	Cu.	5	Ci.	Fr.-Cu. W
14	N	1	N	1	NW	2	NW	2	S	3	N	1	6	Ci.	S.	7	Ci.	Cu.-N. W
15	N	1	N	1	N	1	ENE	2	ENE	3	ENE	1	6	A.-Cu.	Cu. E	7	A.-Cu. ESE	N. E
16	NE	1	NNE	1	NNE	2	NE	3	NE	1	NE	1	4	Ci.	Cu. E	6	A.-Cu. ESE	Cu. ENE
17	NE	1	ENE	1	ENE	2	ENE	2	ENE	2	NE	1	6	Ci.	S.-Cu. NE	4	Ci. SE	Cu. NE
18	NE	1	NE	1	NE	2	NE	3	ENE	1	ENE	1	9	Ci.	N. ENE	9	Ci.-S.	N. ENE
19	NE	1	NE	1	E	1	ESE	4	ESE	4	NE	3	8	Ci.-S.	N. ENE	7	A.-Cu. ESE	N. E
20	N	1	N	1	ENE	3	ENE	4	E	4	ENE	1	3	Ci.	Cu.	3	A.-Cu.	Cu. E
21	N	1	N	1	ENE	2	ENE	5	ENE	4	NE	1	5	A.-Cu.	S.-Cu. E	5	A.-Cu. ESE	Cu. ENE
22	NE	1	NNE	1	NE	5	E	5	E	5	NE	1	2	Ci.	Cu.	4	A.-Cu.	Cu. E
23	NE	1	NE	1	NE	1	ESE	4	ESE	3	NE	1	5	Ci.	Cu. E	4	A.-Cu.	Cu. E
24	NNE	1	NNE	1	ENE	2	ENE	2	ENE	3	NE	1	3	Ci.	Cu. ENE	6	Ci.	Cu. E
25	NE	1	N	1	ENE	4	ENE	4	ENE	3	NE	1	4	A.-Cu. ESE	S.-Cu. E	5	A.-Cu.	Cu. E
26	NNE	1	N	1	ENE	3	ENE	5	ENE	4	N	1	2	Ci.	Cu.	4	A.-Cu. ESE	Cu. E
27	N	1	N	1	ENE	4	ENE	4	E	4	ENE	2	3	Ci.	Cu.	5	A.-Cu.	Cu. E
28	N	1	N	2	E	4	ESE	5	E	4	ENE	1	3	Ci.	Cu.	4	A.-Cu.	Cu. E
29	NE	1	NE	2	E	3	ESE	5	ESE	4	N	1	2	Ci.	Cu.	6	A.-Cu. ESE	Cu. E
30	N	1	N	1	E	5	E	6	E	5	NE	2	6	A.-Cu. ESE	Cu. E	3	A.-Cu.	Cu. E
31	N	1	N	2	NE	2	ESE	5	ESE	5	N	2	3	Ci.	Cu. E	6	A.-Cu. ESE	N. E
Mean	------	1	------	1.1	------	2.5	------	3.6	------	3.4	------	1.3	4.2	----------	----------	4.8	----------	----------

SAN ISIDRO.

[$\phi = 15°\ 22'$ N; $\lambda = 120°\ 53'$ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

APRIL, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	61.49	61.90	62.48	60.56	60.82	62.22	22.5	20.6	31.7	33	28.2	25.2	34	19.6	78	85	45	40	56	70	------
2	61.99	62.45	62.53	60.20	60.42	62.39	22.2	20	31.5	32.6	28.4	25.5	34	19	81	85	48	46	57	71	------
3	61.50	62.11	62.71	60.11	60.14	61.42	24	21.7	30.9	35	29.4	27	35.6	21	75	87	47	30	52	65	------
4	60.86	61.39	61.75	59.49	59.46	60.84	24	20.9	32	33	28.1	25.6	34.6	20.3	75	87	47	41	61	70	------
5	60.26	60.79	61.16	58.53	59.02	61.21	23.5	21.5	31.7	35.8	32	28	37.7	20.4	79	87	53	41	49	62	------
6	60.74	60.75	61.53	58.76	59.02	61.67	26.6	23.6	32	36.2	30.2	27.1	37	23.2	69	86	52	40	55	66	------
7	60.79	60.84	62.28	59.51	59.94	61.62	26	25	30.5	34.8	29.8	27.5	36.3	24	69	76	58	43	60	70	------
8	60.71	60.84	61.82	59.28	59.78	61.77	26.8	24.8	32.2	34.7	30.2	26.6	37	24	74	87	54	45	54	68	------
9	60.66	61.46	62.15	59.57	59.72	62.12	25.5	22	32	37.5	35	28	38.2	21.2	76	87	52	33	49	77	------
10	61.64	62.39	62.90	60.09	59.98	62.82	25.6	24.6	33	38.5	35.6	29.6	39.6	23.5	83	83	54	35	42	67	------
11	62.04	62.47	63.40	60.48	60.97	63.48	28	26	32.1	37.4	30.6	28.6	38	25	74	84	57	39	62	68	------
12	62.85	62.94	63.40	60.22	61.71	63.74	26.2	23.5	31.4	36.6	29.6	27.6	37.4	23	79	91	52	39	64	70	------
13	63.39	63.69	65.22	62.92	62.82	64.83	26.7	23.8	29.5	32.8	30	25.8	33.9	23	71	83	64	45	59	73	------
14	63.44	63.81	64.46	61.52	62.04	63.15	24	23	31.6	33.5	28.5	26	34.2	21.6	80	83	51	45	64	72	------
15	62.56	62.65	63.52	60.75	60.92	62.42	23.6	21	29.8	33	28.2	26.6	34	20.5	81	91	56	44	61	68	------
16	61.56	61.76	62.42	60.02	60.37	61.99	23.6	22	32.5	36.8	31	26.4	37.2	20.6	81	87	49	31	53	66	------
17	61.76	62.09	62.47	60.70	60.42	61.99	23.8	21.6	31.5	32	28.4	26.8	32.7	21	78	86	50	46	55	64	------
18	61.60	61.84	62.35	59.62	59.18	61.29	25.6	21.2	31.8	36.2	33	27.8	37.2	20.8	70	85	50	35	44	58	------
19	61.05	61.04	61.91	59.55	59.22	61.04	25.6	24	31.2	35.5	31.8	26.6	36.2	23.4	71	81	52	40	50	72	------
20	60.34	60.61	61.72	59.46	59.84	61.03	26.2	23.5	31	34.7	30.4	26.5	35.2	22.2	75	85	57	44	56	73	------
21	60.46	60.68	61.15	59.22	59.27	61.01	24.6	22.1	32.5	34.7	31.4	26.4	36.4	21.5	79	87	52	45	48	70	------
22	60.71	60.81	61.39	59.21	58.88	60.72	25.2	22.1	33.9	36.1	29.6	27.3	36.6	21	74	85	48	42	61	71	------
23	59.84	60.41	60.74	58.62	58.60	60.61	24.4	23.7	32.6	35.6	31.4	27.5	36	22.6	83	85	52	36	48	66	------
24	60.05	60.27	60.26	57.73	58.10	60.08	24.8	22.5	34	37.6	32	27.4	37.7	21.5	77	87	45	37	54	71	------
25	59.21	60.21	60.37	57.98	58.18	60.67	25.5	25	33.5	36.6	30	26.6	37.2	24	80	76	47	32	59	65	------
26	59.98	60.26	61.20	58.38	58.24	60.46	23.2	21.7	33	37	31.5	27.8	38	20	75	81	47	37	52	61	------
27	60.25	60.44	61.15	59.04	59.02	61.07	26.6	24.2	33.5	34.7	31	27.5	35.7	23.4	68	83	44	45	53	66	------
28	60.46	60.78	61.16	58.15	58.20	60.24	24.6	22	33.5	37.5	31.6	27.6	37.6	21	79	84	48	39	56	70	------
29	59.41	59.85	60.07	56.96	57.04	59.26	27	26.1	34	37.5	28.6	28	39	25.4	70	80	53	39	73	81	12.7
30	58.07	58.19	58.86	56.25	56.22	58.56	27.5	26	33.6	36	32.5	28.4	36.7	25.5	81	92	60	50	58	72	------
Mean	60.99	61.32	61.95	59.43	59.58	61.52	25.1	23	32.1	35.4	30.6	27.1	36.4	22.1	76.2	84.9	51.5	40.1	55.5	68.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	12.7

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*12–0*	*0–10*			*0–10*			
1	N	1	N	1	NE	3	ENE	5	ENE	5	NE	2	4	A.-Cu.	Cu. E	2	A.-Cu.	Cu. E	
2	NE	1	NE	1	E	2	E	5	E	5	NE	1	4	A.-Cu.	S.-Cu. E	4	A.-Cu.	Fr.-Cu. E	
3	NE	1	NE	1	NE	3	ENE	4	NE	4	NNE	2	4	A.-Cu. ESE	S.-Cu. E	4	Ci.	Cu.-N. E	
4	N	1	N	1	NE	2	ESE	6	E	5	E	2	3	Ci.	Cu.	5	A.-Cu. ESE	Cu. E	
5	NE	1	NE	1	E	2	NE	2	NE	3	NE	2	2	Ci.	Cu.	6	A.-Cu.	Cu. E	
6	NE	1	N	1	N	2	NE	3	NE	2	N	1	4	Ci.	Cu.	7	A.-Cu.	Fr.-Cu. E	
7	N	1	W	1	ESE	1	ESE	2	ESE	2	E	2	10	A.-Cu.	Cu. NE	7	A.-Cu. ESE	Cu. E	
8	NE	1	NE	1	ENE	2	ENE	3	ENE	2	NE	1	3	Ci.	Cu.	7	Ci.	Cu. E	
9	NE	1	NE	1	ESE	2	ESE	2	ESE	1	N	3	3	Ci.	Cu.	5	A.-Cu.	Cu. ESE	
10	N	1	N	1	NE	2	ENE	2	N	1	NE	1	5	Ci.	S.-Cu. NNE	5	Ci.	Cu. E	
11	N	1	N	1	NE	2	NE	2	E	3	E	2	6	A.-Cu.	Cu. ENE	6	Ci.	Fr.-Cu. E	
12	N	1	N	1	NE	2	NNE	3	E	5	E	2	4	Ci.	S. N	6	A.-Cu.	Cu.-N. E	
13	ENE	1	N	1	E	4	E	6	E	5	E	1	4	A.-Cu.	Cu. E	5	A.-Cu.	Cu. E	
14	NE	1	NE	1	E	4	E	4	E	5	N	1	1	A.-Cu.	Cu.	5	A.-Cu. ESE	Cu. E	
15	N	1	NE	1	NE	4	NE	4	E	3	NE	2	4	A.-Cu.	Cu. E	7	Ci. SE	Cu. E	
16	NE	1	NE	1	ENE	3	ENE	3	ENE	3	ENE	2	1	Ci.	Cu.	6	A.-Cu. ESE	Cu. E	
17	NE	1	NE	1	ESE	3	ESE	4	E	3	NE	2	7	A.-Cu. ESE	Cu. E	9	Ci.-S.	N. E	
18	NE	1	NE	1	ESE	2	ESE	3	ESE	2	NE	1	4	A.-Cu.	S.-Cu. E	6	A.-Cu.	Cu.-N. E	
19	NE	1	NNE	1	E	3	ESE	3	ESE	2	N	2	5	A.-Cu. ESE	S.-Cu. E	8	A.-Cu. SE	Cu. E	
20	NE	1	ENE	1	ENE	3	ENE	5	E	4	NE	1	7	A.-Cu. ESE	N. E	4	A.-Cu.	Cu. E	
21	N	1	N	1	E	2	E	5	E	4	NE	1	5	A.-Cu.	Cu. E	6	A.-Cu. SE	Fr.-Cu. E	
22	N	2	N	1	NE	3	E	4	ESE	4	N	1	3	Ci.	Cu.	3	A.-Cu.	Cu. E	
23	N	1	N	1	ENE	5	E	5	E	3	N	1	5	A.-Cu.	N. E	2	A.-Cu.	Cu.	
24	N	1	N	1	E	3	E	3	E	4	E	1	3	Ci.	Cu.	3	A.-Cu.	Cu.-N.	
25	N	1	N	1	E	2	E	4	ESE	4	NE	1	5	Ci.	Cu. E	4	Ci. SE	Cu. E	
26	NE	1	E	1	ESE	2	SE	2	ESE	2	NE	1	3	Ci.	Cu.	4	A.-Cu. SE	Cu. ESE	
27	NE	1	NE	1	ESE	5	ESE	5	ESE	4	E	2	2	Ci.	Cu.	4	A.-Cu.	Fr.-Cu. E	
28	N	1	N	1	E	2	E	3	ESE	4	NE	2	3	Ci.	Cu.	4	A.-Cu.	Fr.-Cu. ESE	
29	N	1	NE	1	S	2	SE	2	E	4	E	1	6	A.-Cu.	Cu. E	7	Ci.	Cu.-N. SE	
30	NNE	1	NE	1	E	2	E	3	E	2	NW	2	6	A.-Cu.	Cu. SE	5	A.-Cu.	Cu. SE	
Mean	------	1	------	1	------	2.6	------	3.6	------	3.3	------	1.5	4.2	----------	----------	5.2	----------	----------	

SAN ISIDRO.

[$\phi = 15°\ 22'$ N; $\lambda = 120°\ 53'$ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

MAY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.09	58.34	58.92	56.22	56.29	58.93	27.6	26	32.2	36	33	27	37	25.4	76	88	59	46	55	89	5.3
2	58.09	58.74	59.47	57.74	57.87	60.38	26.8	25.6	32.9	36	30.2	27.5	36.3	25	86	92	53	45	54	69	
3	60.25	61.03	61.39	58.87	59.20	61.61	27.2	24.2	33.1	37.4	32.8	28.2	37.6	23.5	68	85	50	42	51	66	
4	60.81	61.08	61.31	58.30	59.01	60.39	27.4	27	33.5	38	29.6	27.1	39	25.4	70	73	53	41	77	87	5
5	59.69	59.91	60.36	57.53	57.92	59.48	26.8	25.6	30.7	35.4	29.5	27.9	37.4	24.6	84	92	76	50	75	82	
6	58.71	58.91	59.36	56.57	57.52	57.77	25.6	25	33.2	38	30	28	38	24.4	92	95	57	39	71	74	
7	58.97	59.40	59.67	56.98	57.22	59.79	25.5	24.3	32.8	37.6	34.2	26	38.5	23.5	86	94	56	43	52	92	1
8	58.99	59.34	60.38	58.51	58.44	59.91	25	25.4	30.6	31.2	29.5	26.6	35.8	24	92	92	74	64	71	87	
9	58.64	58.78	59.36	57	57.84	60.09	25.6	24.2	32	35.1	29.4	28	36.2	23.4	88	94	61	49	68	68	
10	59.79	60.09	60.70	58.99	59.12	61.14	25.2	24.5	32.7	33.6	30.6	26.6	35.9	23.5	94	96	55	50	58	75	
11	60.10	60.62	61.15	58.56	59.03	60.51	24.6	23	34	34.7	31.4	27.6	37	22.5	82	91	47	46	59	76	
12	59.16	59.87	60.26	57.58	58.37	59.49	26.4	23.9	33	36.7	31	27.4	38.3	23.4	81	86	56	47	56	89	28.7
13	58.74	59.18	59.55	56.93	57.41	58.97	26.5	25.6	32.4	36.3	31.2	28.3	37.3	25	91	93	64	47	63	75	
14	58.19	58.92	60.01	57.32	57.12	59.33	26	25	33.1	35.5	33.2	29	38.6	24.5	89	93	61	49	52	74	
15	58.40	59.05	60.07	57.72	57.30	59.71	26.4	24.4	32.3	36.3	32.8	27.5	38.4	23.9	89	91	60	44	48	72	
16	58.61	58.58	59.80	57.42	56.73	59.01	25.4	23.7	34.4	39	33.5	29	39.2	23.2	80	91	50	29	53	68	
17	58.02	58.74	59.76	57.16	56.61	59.35	26	24.4	32.4	39.2	35	29.4	39.2	23.9	84	88	60	34	46	67	
18	58.71	59.21	60.14	57.57	58.10	60.03	27	24.9	33.8	37.5	31.2	28.5	40.3	24.4	77	87	54	40	64	81	
19	59.16	59.42	59.65	57.56	57.46	58.72	26.7	25.2	34.5	38.5	32.7	28	39.7	24.5	86	92	52	34	42	63	
20	58.41	58.49	58.74	55.70	57.69	58.40	25.5	25.5	35	38	26.8	25.5	39.1	24.4	76	80	49	38	87	93	3.6
21	58.27	58.97	59.53	57.10	57.97	59.87	25	25	32	32	26.6	24.2	35.2	23.8	95	98	70	61	87	96	6.4
22	59.10	59.07	59.61	57.29	58.11	59.47	24.5	24	30.4	35.6	28.5	24.7	36.7	23.5	95	97	73	47	81	94	21.1
23	58.60	58.96	59.59	56.95	58.53	59.81	24	23.5	32	36	26.2	25.5	36	23.4	96	99	69	53	90	93	
24	58.54	58.42	58.92	56.44	57.52	59.07	24.8	24.2	32	35	26.5	24.6	36.3	23.8	93	95	66	55	84	95	9.9
25	58.10	58.29	58.02	55.23	55.64	58.18	24.5	25	31	36.8	30	23.9	37	23.4	96	97	72	48	65	97	3.3
26	57.21	57.40	58.38	55.82	57.59	58.45	24.5	24.4	31.2	36	26	26	36.2	23.3	96	97	72	54	95	94	11.2
27	57.41	57.42	58.33	56.08	58.33	59.94	26	25.2	31.6	34.5	24.7	24	35.7	23.6	96	98	72	60	98	98	44.5
28	58.26	58.92	59.36	57.36	58.97	60.49	23.8	24.3	28.2	33.2	28	25.8	35.1	23.4	98	97	87	64	80	93	
29	59.27	59.72	59.97	57.39	58.09	60.10	25.2	24.7	33.3	35.7	29.1	25.7	37	24.1	93	94	62	54	74	86	
30	58.97	59.34	59.85	56.92	57.37	59.73	25	25	32.5	37	30	27	37.9	24.1	92	92	66	47	70	84	1.5
31	59.15	59	59.62	57.45	58.09	59.55	25	24.7	32.4	35.4	27.7	27	35.6	23.9	92	94	66	52	79	89	
Mean	58.79	59.14	59.72	57.23	57.82	59.67	25.7	24.8	32.4	36	30	26.8	37.3	24	87.5	92	62	47.5	67.9	82.8	
Total																					141.5

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.		Amount.	Form and direction.	
														Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	NW	1	N	1	NE	1	SE	2	SE	2	ESE	1	7	Ci.	Cu.-N.	5	Ci.	Cu. SE
2	NE	1	NE	1	ESE	3	ESE	4	ESE	4	E	2	7	A.-Cu. SE	Cu. E	4	A.-Cu. SE	Cu. E
3	ENE	3	NE	1	ENE	3	ENE	4	ENE	3	NE	2	3	A.-Cu.	S.-Cu.	5	A.-Cu.	Cu. E
4	NE	1	NE	1	E	2	SE	2	N	4	NE	1	5	Ci.	Cu. E	6	A.-Cu.	Cu.-N. E
5	N	1	N	1	SW	2	N	1	SE	2	N	2	9	Ci.-S.	N. NE	5	Ci.	Cu. SE
6	N	1	N	1	NW	2	N	2	SW	3	N	1	4	Ci.	Cu. NE	6	Ci.	Cu. W
7	N	1	N	1	SW	2	SW	3	E	4	NE	2	3	Ci.	Cu.	6	A.-Cu.	Cu.-N. SW
8	NW	1	NW	1	WSW	1	SW	4	SW	2	NE	2	9	A.-Cu.	Cu. NW	10	Ci.-S.	N.-cf. W
9	N	1	N	1	N	2	E	5	ESE	4	NE	1	5	Ci.	S.-Cu.	5	A.-Cu. SE	Cu.-N. N
10	N	1	NNE	1	ESE	4	ESE	5	ESE	4	N	1	4	Ci. SE	S.-Cu.	8	A.-Cu. E	Cu. ESE
11	NE	1	NE	1	ESE	3	ESE	2	E	2	N	1	3	Ci.	S.-Cu.	5	A.-Cu.	Cu.-N. SE
12	N	1	N	1	E	3	ENE	2	E	5	NE	2	3	A.-Cu.	S.-Cu. ESE	5	Ci.	Cu. SE
13	N	1	NW	1	SW	2	SW	3	N	3	N	2	7	Ci.	Cu. NW	5	Ci.	Cu.-N. S
14	NE	1	NE	1	NNE	2	NNE	2	SW	2	NNE	2	7	Ci.-S.	S.-Cu. NNE	5	A.-Cu.	Fr.-Cu.
15	NNE	1	NNE	1	NE	1	SE	3	SW	4	N	1	6	Ci.-S. SE	S.-Cu.	6	A.-Cu.	Cu.-N. E
16	N	1	N	1	SW	3	SW	3	SW	1	SE	1	5	Ci.	Cu.	5	Ci.	Cu. SW
17	N	2	N	1	N	3	SW	3	SW	1	N	1	6	Ci. SE	Cu. N	5	Ci.	Cu. W
18	NE	1	NE	1	NE	3	NE	1	NE	1	NE	1	4	Ci.	Cu.	6	A.-Cu.	cu.-N. ESE
19	NNE	1	NE	1	NE	3	NE	2	ENE	3	N	3	4	Ci.-Cu.	Cu.	5	A.-Cu. E	cu.-N. ESE
20	N	1	NE	1	NE	2	NE	2	ENE	3	Calm	----	8	A.-Cu. E	Cu. ESE	5	Ci.	Cu. ENE
21	NE	1	Calm	----	SW	1	SW	2	SW	3	E	1	7	Ci.	N. S	7	Ci.-S.	Cu.-N. SW
22	NE	1	NE	1	NNE	2	N	3	S	4	N	2	7	Ci.-S.	S.-Cu. E	6	Ci. NE	Cu.-N. W
23	N	1	NE	1	ENE	1	ENE	2	S	3	SW	1	10	Ci.	S. NE	6	Ci.-S.	Cu.-N. E
24	N	1	NNE	1	SE	1	SE	3	NE	4	SE	1	5	Ci. NE	Cu.	5	Ci.-S.	Cu.-N.
25	Calm	----	SE	1	NE	1	NE	3	NW	4	NE	2	5	Ci.	S. S	7	Ci.-S.	Cu.-N. E
26	NE	1	NE	1	SE	2	SSW	2	SE	1	NE	1	2	Ci.	S.-Cu.	7	Ci.	Cu. SW
27	NE	1	NE	1	SE	1	E	2	SE	2	NE	1	4	Ci.	Cu.	5	Ci. NE	Cu.-N.
28	N	1	NE	1	SE	1	SE	2	SE	3	SE	1	8	Ci.-S. SE	N. NE	6	A.-Cu. E	Cu. SE
29	NE	1	NE	1	SSE	2	SSW	2	SSW	3	NW	1	4	Ci. ENE	Cu.	6	Ci.	Cu.-N. SW
30	NE	1	NE	1	NE	2	S	2	NE	1	N	4	2	Ci.	Cu.	5	Ci.-S.	Cu.-N.
31	NE	1	NE	1	NE	3	WSW	2	NE	1	NE	1	8	A.-Cu.	N. S	7	Ci.	Cu.-N. W
Mean		1.1		1		2.1		2.6		2.8		1.5	5.5			5.8		

SAN ISIDRO.

[$\phi = 15°\ 22'$ N; $\lambda = 120°\ 53'$ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

JUNE, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.67	58.70	59.33	57.65	59.01	60.51	25.8	25	32.4	32	26.6	24.5	36.2	23.7	90	92	62	63	83	92	------
2	59.76	60.36	60.45	58.75	58.60	60.44	23.5	23.4	33.7	31.4	32.5	27.6	36.4	22.9	96	97	60	63	58	80	------
3	59.61	59.95	60.31	57.96	58.22	59.96	26	24.1	33.5	36.8	28	25	37.4	23.8	84	95	61	50	85	92	8.1
4	58.90	58.46	58.57	56.45	56.76	59.31	24.2	23.8	33	35.5	29.4	25.2	37.5	23.4	95	97	61	53	81	94	1
5	58.34	58.17	58.81	56.76	58.34	59.74	25	24.3	31.8	34.1	25	24	34.7	23.5	94	97	67	58	92	96	2
6	58.78	58.81	58.84	56.54	56.22	59.44	23.6	23.5	31.5	36	31.4	26	36.9	23	97	97	69	53	60	85	------
7	58.67	58.66	58.98	53.08	55.95	58.97	25	24.9	33.5	36.4	34.5	25.5	37.4	24	92	94	62	49	49	88	------
8	58.17	58.39	58.82	56.69	57.41	59.27	25	24.4	32.9	32.8	25	24.8	36.2	23	88	95	65	60	88	97	25.4
9	58.40	58.26	59.07	57.70	57.92	59.24	24	24.2	31.4	27.8	30.5	26.2	33.7	23.4	98	98	73	83	72	94	5.3
10	59.21	59.71	59.46	56.93	57.37	59.61	25	24.5	31.4	35	32.5	24.6	36.5	23.1	95	97	72	55	63	97	63.8
11	58.77	58.79	59.71	57.57	57.60	59.73	24.2	25	32	34.6	31	28	35.7	23.9	97	97	72	62	72	85	2
12	59.51	59.59	59.83	56.43	56.82	59.64	26	25	32.4	33.7	33	26.6	34.8	24.5	90	92	73	63	61	87	------
13	58.89	59.07	59.99	57.41	57.77	59.79	25	25.4	31.3	33.6	30	25.6	34.2	24.5	92	93	77	64	71	95	3.6
14	59.16	59.17	59.38	57.31	57.74	60.39	25.4	25	31.3	34.5	29.8	25.9	34.9	24.6	95	97	77	56	73	91	------
15	58.24	58.46	58.41	56.88	57.27	58.33	24.8	24	31	34.4	29.5	26	35.2	23.8	93	96	72	53	71	92	------
16	57.17	56.94	57.61	56.56	56.84	57.71	25.2	24.9	32.7	32.2	28	26	35.7	24	93	96	68	73	85	89	7.1
17	56.75	56.86	56.97	55.30	55.49	57.47	24.5	24	31.7	33.7	28	26.4	34.8	23.5	94	97	73	66	94	93	19.3
18	57.02	57.02	57.54	56.20	56.92	58.29	25.6	25.2	32.1	33.2	28	26.1	33.8	24.6	97	98	72	66	92	95	4.6
19	57.07	57.44	57.43	56.70	56.85	58.15	25.6	25	30.7	25.4	27	25.5	33.8	24.5	95	97	79	93	94	96	19
20	56.74	57.28	57.27	56.05	57.06	58.09	24.3	24.6	30.7	28	25	25	33.1	23.9	97	98	80	91	97	95	22.3
21	56.96	56.93	57.58	56.22	56.53	58.89	24	23.4	29.6	31.6	28	26.1	32.6	22.6	96	97	81	71	76	94	4.8
22	57.46	57.16	58.32	56.72	57.54	58.51	24	23.6	31	32.7	25	24.7	34.4	23	96	97	74	66	93	97	35.6
23	57.83	58.46	58.69	56.60	57.34	58.85	23.5	23.5	30	33.4	28	24.5	34.3	23	97	98	75	66	85	92	3
24	57.66	57.81	58.17	56.33	56.52	58.98	23.6	23.4	31	35	30	25.2	35.2	23	97	97	75	60	71	93	------
25	58.05	57.96	58.12	56.22	56.24	59.29	24	23.5	31.7	35.4	32.2	26	35.5	23.1	96	97	70	58	65	85	------
26	58.51	58.04	58.72	57	56.64	59.57	25	24.6	33	35	32	26.3	36.1	24.3	93	95	63	55	65	84	1.3
27	58.22	58.04	58	56.43	56.40	58.34	25	24.5	33	36	32.2	27.7	36.2	24.1	93	96	63	50	65	83	.8
28	57.35	57.24	57.42	55.84	55.64	58.33	25.5	25.2	32.5	35.4	31.5	27.2	35.7	24.6	92	95	63	55	65	84	------
29	57.51	57.42	57.53	56.39	56.84	58.94	26	25.2	32.6	35.8	30.2	25	36	24.2	89	93	65	55	73	88	------
30	58.34	58.21	58.64	56.69	57.42	59.46	24.2	24.2	32.4	34.4	26	25.4	36.2	23.8	93	94	66	54	92	93	19.3
Mean	58.19	58.25	58.60	56.75	57.11	59.13	24.8	24.4	31.9	33.5	29.3	25.8	35.4	23.7	93.8	96	69.7	62.1	76.4	90.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	248.3

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	N	1	W	1	S	2	SE	4	NE	2	N	2	7	A.-Cu. SE	S.-Cu. SW	8	Ci.-S.	Cu.-N. sw
2	N	1	N	1	NE	2	SE	2	SE	1	E	1	3	Ci.	S.-Cu.	8	Ci.-S.	Cu.-N. SE
3	NE	1	NE	1	SE	2	SE	1	SE	2	SE	1	4	Ci.	Cu. SE	5	Ci.	Cu.-N. SE
4	NE	1	E	1	E	1	SE	2	SE	1	N	2	5	Ci.	Cu.	6	Ci. SW	Cu. SE
5	NE	1	ENE	1	SSW	1	SW	2	SW	2	N	1	5	Ci.	S.-Cu. S	6	Ci. NE	Cu.-N. sw
6	N	1	NE	1	NE	1	SE	1	SE	2	SE	1	3	Ci.	S. NE	6	Ci.	Cu. SE
7	NE	1	NE	1	SSW	2	SSW	2	S	2	SE	2	7	Ci. E	Cu.	6	Ci.	Cu.-N. sw
8	Calm	----	NE	1	S	2	W	5	S	1	ESE	1	8	A.-Cu. SE	S.-Cu.	6	Ci.	N. SW
9	N	1	N	1	SSE	2	SW	2	SW	1	N	2	5	Ci.	Cu.	6	Ci. E	Cu.-N. sw
10	NE	1	NE	1	S	2	S	2	S	1	NE	2	6	Ci. E	S. SE	6	Ci.	Cu.,Cu.-N. sw
11	N	1	NE	1	ESE	2	ESE	2	ESE	1	NE	1	3	Ci.	Cu. SE	6	Ci.-S. E	Cu.-N. SE
12	NE	1	ENE	1	SE	1	ENE	3	SW	3	ENE	2	7	Ci. E	Cu. SE	5	Ci. E	Cu.-N. SE
13	ENE	1	SE	1	SSW	2	SSW	4	SSW	4	S	1	7	Ci.	Cu. SE	7	Ci.-S.	cu.-N.,Cu.S
14	SE	1	SE	1	WSW	2	SW	3	SW	2	N	2	10	Ci.-S.	S.-Cu. S	6	Ci.	Cu. SW
15	NE	1	ENE	1	SE	2	SW	4	SW	2	S	1	10	Ci.-S.	S.	6	Ci. E	Cu. SW
16	NE	1	ENE	1	SSW	3	SW	3	SW	1	ESE	1	6	Ci. NE	S.	8	Ci.	N. SW
17	SE	1	SE	1	SSW	2	SW	2	SW	1	SE	1	7	Ci.-S.	S.-Cu.	9	Ci.-S.	N. SW
18	SE	1	SE	1	S	2	SW	3	SW	2	SE	1	10	Ci.-S.	S. SW	7	Ci.	Cu.-N. sw
19	SE	1	SE	1	S	2	S	1	SW	1	Calm	----	7	Ci. NE	S. SW	10	Ci.-S.	N. SW
20	NE	1	Calm	----	WSW	3	SW	2	SW	3	S	1	6	Ci.-S.	Cu. W	9	Ci.-S. NE	N. SW
21	S	1	SW	1	SW	1	SW	3	SW	2	S	1	7	Ci.-S.	N. SW	7	Ci. NE	cu.,cu.-N. sw
22	SE	1	SE	1	SW	2	SW	3	SW	1	N	1	8	Ci.-S. ENE	S.-Cu. SW	8	Ci. ENE	N. SW
23	NE	1	NE	1	SE	1	SE	1	SE	2	NE	1	6	Ci.	S. NE	6	Ci. NE	Cu. S
24	NE	1	NW	1	S	2	S	2	SW	3	NE	1	3	Ci. NE	S. SW	7	Ci. NE	Cu. SSW
25	NE	1	SE	1	SE	2	SSW	3	SSW	2	SE	1	5	Ci. NE	S.-Cu. SW	5	Ci. NE	Cu. SSW
26	SE	1	SE	1	SE	2	SSW	2	SSW	1	SE	1	3	Ci.	Cu. SW	5	Ci. NE	Cu. SW
27	SE	1	SE	1	SW	2	SW	3	SW	3	S	1	5	Ci. NE	Cu. S	5	Ci.	Cu. SW
28	SE	1	S	1	S	3	SSW	4	SW	3	S	2	8	Ci.	Cu. SSW	6	Ci. NE	Cu. SW
29	S	1	S	1	S	2	SW	2	SW	3	NW	1	7	Ci. NE	Cu. SW	7	Ci.-S.	Cu.-N. sw
30	N	1	N	1	S	2	SW	1	SW	1	N	2	6	Ci.	S.	7	Ci.-S. ENE	cu.-N.,cu. sw
Mean	------	1	------	1	------	1.9	------	2.5	------	1.9	------	1.3	6.1	----------	----------	6.6	----------	----------

SAN ISIDRO.

[$\phi = 15°\ 22'$ N; $\lambda = 120°\ 53'$ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

JULY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.21	58.18	58.57	56.44	56.29	59.23	24	23.8	30.7	35	29.5	25.7	35.3	23.4	97	97	77	59	75	84	0.8
2	58.55	57.72	57.84	55.79	56.78	58.79	24.5	23.4	31.9	35.3	27.6	24.6	35.5	23.1	92	96	68	55	88	95	27.9
3	58.05	57.85	58.49	56.66	57.23	59.38	24.3	23.9	30.9	34.4	29	25.5	34.7	23.3	95	97	76	63	84	93	3.6
4	59.19	59.20	59.61	58.11	58.48	59.93	24.7	24.6	28.5	31.2	27.9	25.6	32.6	24.4	95	99	85	75	85	95	------
5	59.24	59.32	59.11	57.73	57.69	59.48	25.2	24.4	30.1	31.9	29.1	26	34	24	96	97	75	70	81	91	5.3
6	58.61	58.81	58.57	56.79	56.70	59.20	24.8	23.7	31.9	34.4	31.4	25.5	35.4	23.4	98	97	70	60	75	84	------
7	58.11	57.90	58.24	56.18	56	59.17	24	23.2	31.3	33.9	29.9	22	34.7	21.7	95	98	71	59	75	96	15
8	57.78	57.48	57.96	56.46	56.83	58.23	22.5	22.9	27.9	31	28.4	25.4	31.7	22	97	97	82	62	75	90	5.3
9	56.85	57.67	57.90	56.98	57.13	58.11	24.5	23.5	26.9	28.9	26.1	25	29.9	23.2	94	97	87	78	91	98	6.1
10	57.14	57.75	58.20	57.03	58.17	59.31	24.9	24.5	28	31.4	28	25.7	32.7	24.1	98	99	84	73	80	95	4.6
11	58.05	58.55	58.99	57.28	58.10	59.84	25.4	24.9	31.7	29.4	27.2	24.5	34	23.7	97	98	73	82	84	95	.8
12	58.55	58.28	58.44	57.07	57.08	59.18	23.9	23.2	31.6	34	30.1	25.9	35	22.9	97	99	66	56	71	92	------
13	57.99	57.97	58.77	57.43	56.67	58.67	24.3	22.9	31.4	31.2	30.9	27.3	32.8	22.3	97	97	65	68	65	83	5.1
14	58.01	58.39	58.78	57.40	58.84	58.56	25.5	24.4	30.1	31.4	23.7	23.5	33.4	23.1	93	92	78	66	97	97	33
15	58.43	58.92	59.39	56.79	57.06	59.21	23.3	23.6	30.2	33.1	31.3	23.5	34.1	22.9	98	99	75	58	79	98	4.6
16	58.31	58.62	58.85	57.10	58.46	58.82	23.7	23.4	30.1	33.5	24.5	23.4	33.7	23	98	99	73	66	88	97	1
17	58.10	58.38	58.54	56.96	56.47	58.16	23	22.9	29.7	32.2	29.5	24.8	33	22.5	97	97	77	65	75	93	------
18	57.40	57.50	57.25	55.75	55.40	56.47	24.4	24.2	28.5	28.4	26.2	24.7	29.7	23.8	97	97	83	86	95	97	3
19	55.19	55.12	55.49	53.86	53.59	55.50	24	24.5	28.4	31.2	27.6	25.5	32	23.9	98	98	85	73	84	96	4.5
20	54.82	54.76	54.94	53.26	53.89	55.20	24.5	24.4	30.2	32.5	26.5	25.5	33	24	97	99	79	69	88	96	17.5
21	54.46	54.78	55.61	54.19	55.19	56.26	24.2	24.5	25.6	28.1	25	24	28.2	23.5	98	99	98	88	96	96	18.3
22	55.45	55.64	56.14	55.33	55.47	57	23.8	23.5	27.7	26.2	25	23.9	29.2	23.1	97	97	91	94	95	97	12.7
23	55.68	56.03	56.63	55.22	55.43	57.71	23.8	24	27.3	27.2	25.1	24.5	28	23.4	98	99	92	94	96	97	10.2
24	56.28	56.46	57.15	56.38	56.35	57.83	24.3	24.5	29.1	29.8	24.6	23.4	30.6	23	97	96	86	81	98	97	40.2
25	57.35	57.43	58.16	56.97	56.81	59.34	23.3	23.1	28.1	30.2	27.4	25	30.5	22.7	97	99	85	79	81	92	2.3
26	58.06	58.03	58.83	56.85	57.27	58.84	23.5	22.9	30.4	32.5	27	25.3	32.8	22.4	96	97	73	67	89	93	3.8
27	57.20	57.42	57.72	56.28	55.74	57.04	24.6	24.5	26.1	28.9	28.5	25.5	28.9	24	95	97	93	79	81	98	17.5
28	56.73	55.68	56.81	55.39	55.44	57.03	24.5	24	24	26	26	25	26.9	23.4	98	99	98	87	92	96	25.7
29	56.28	55.93	57.14	56.26	56.63	58.38	23.7	23.6	26.5	25.4	24.3	23.4	29.5	23	99	99	91	93	97	98	11.4
30	56.56	56.91	57.52	56.94	56.06	57.02	23.5	23.8	27.4	25.8	24.6	24.2	28.3	23	97	98	88	93	97	97	1.5
31	55.77	56.27	57.53	56.12	54.30	56.13	24	24.3	23.8	23.6	23.5	24.2	24.5	22.7	96	97	99	98	97	98	58.4
Mean	57.30	57.39	57.84	56.35	56.50	58.16	24.1	23.8	28.9	30.6	27.3	24.8	31.8	23.2	96.6	97.6	81.4	74.1	85.6	94.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	340.1

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	NE	1	NE	1	SSW	2	SSW	1	S	1	SE	1	7	Ci.-S. E	S. ENE	7	Ci.	Cu.-N. SW
2	NNE	1	Calm	----	NE	1	E	1	S	1	SW	1	9	Ci.-S.	Cu.	7	Ci.-S.	Cu. SE
3	N	1	N	1	SSE	1	SSE	2	SE	1	S	1	3	Ci.	Cu.	6	Ci. NE	cu.-N. SSE
4	Calm	----	Calm	----	S	1	S	2	S	1	Calm	----	9	----------	S.-Cu. SE	7	----------	Cu. SE
5	Calm	----	Calm	----	NNE	1	WSW	1	S	1	S	1	3	----------	Cu.-N. SE	4	----------	cu.-N. ESE
6	Calm	----	Calm	----	SSW	1	WSW	1	Calm	----	N	1	3	Ci. ENE	Cu.	4	----------	Cu.-N. SE
7	ESE	1	NNE	1	W	1	NE	1	SSW	1	Calm	----	3	Ci.-S. ENE	Cu.	8	----------	Cu.-N. SE
8	NNE	1	Calm	----	NE	1	W	2	W	1	Calm	----	8	Ci.-S. ENE	S.-Cu.	9	Ci.-S. ENE	Cu.
9	Calm	----	NE	1	N	1	Calm	----	Calm	----	Calm	----	10	----------	N.	10	Ci.-S.	Cu.
10	Calm	----	Calm	----	NNE	1	E	1	E	1	Calm	----	10	----------	Cu.-N.	9	Ci.-S. NE	Cu.-N. SE
11	Calm	----	NE	1	SSE	1	SSE	1	NE	1	Calm	----	10	A.-Cu. SE	S.-Cu.	10	----------	Cu.-N. SE
12	NNE	1	Calm	----	E	1	NE	2	Calm	----	W	1	2	Ci.	Cu.-N.	6	Ci.	Cu.-N. E
13	Calm	----	N	1	S	1	S	1	NE	1	Calm	----	2	----------	S.-Cu.	9	Ci.-S.	Cu.-N.
14	Calm	----	Calm	----	NE	1	NE	1	NE	1	Calm	----	10	----------	Cu.-N.	9	Ci.-S.	Cu.-N.
15	NW	1	NE	1	W	1	W	1	Calm	----	NNE	1	10	----------	S.-Cu.	4	A.-Cu. NE	Cu.
16	Calm	----	Calm	----	S	1	S	1	NE	2	N	1	6	Ci.	Cu.-N.	5	Ci.-S.	Cu.-N. E
17	N	1	SW	1	SW	2	S	3	S	2	WSW	1	4	Ci.	Cu.-N.	7	Ci.-S.	Cu., Cu.-N. S
18	WNW	1	N	1	NW	1	SE	1	SE	1	SE	1	10	Ci.-S.	N.	10	Ci.-S.	Cu.-N., Cu. E
19	ENE	1	ENE	1	E	1	S	2	S	2	S	2	10	Ci.-S.	N. E	7	Ci.-S.	Cu. SE
20	S	1	Calm	----	SSW	2	SSW	3	S	3	S	3	6	Ci.-S.	Cu. SE	5	Ci.	Cu.-N., Cu. S
21	S	3	S	2	S	3	SSW	3	SSW	3	SSW	4	10	Ci.-S.	N. S	10	A.-S.	N. SSW
22	SSW	2	SSW	2	SSW	3	SW	4	SW	2	SW	1	10	Ci.-S.	N. S	10	A.-S.	N. SW
23	SW	1	SW	1	SW	1	SSW	2	SSW	2	SSW	1	10	Ci.-S.	N. SW	10	A.-S.	N. SSW
24	SW	1	SW	1	SW	2	SW	4	SSW	1	S	1	9	Ci.-S.	N. SW	7	Ci.	Cu. SW
25	S	1	S	1	S	3	SSW	2	SSW	1	S	1	10	Ci.-S.	S.-Cu.	6	Ci.	Cu. S
26	S	1	SSE	1	S	2	S	4	S	1	NE	1	3	Ci.-Cu.	S.-Cu.	6	Ci.	Cu.-N., Cu. S
27	NE	1	Calm	----	ENE	1	NE	1	N	1	N	1	9	A.-S.	Cu. E	7	Ci.-S. SE	Cu. NE
28	NNE	1	N	1	NNE	1	NNE	2	NNE	1	NE	1	10	Ci.-S.	N. N	10	A.-S.	Cu. N
29	NNE	1	ESE	1	ESE	1	S	3	S	3	S	1	10	A.-S.	S.	10	Ci.-S.	N. S
30	SSW	1	SW	1	SW	3	SW	4	SW	2	SW	2	10	Ci.-S.	N. SSW	10	Ci.-S.	N. SW
31	SW	2	SW	1	SW	1	SW	1	SW	3	SSW	1	10	Ci.-S.	N. SW	10	Ci.-S.	N. SSW
Mean	------	0.8	------	0.7	------	1.4	------	1.9	------	1.3	------	1	7.6	----------	----------	7.7	----------	----------

SAN ISIDRO.

[$\phi = 15°\ 22'$ N; $\lambda = 120°\ 53'$ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

AUGUST, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	54.64	54.53	55.19	54.60	54.20	54.84	24	24	24.3	24.4	24.2	24.2	24.6	23.4	98	99	97	97	98	98	77.2
2	54.97	55.58	57.05	56.83	56.91	58.06	23.8	23.6	25	24.4	25	24	26	23.2	98	98	95	97	96	97	39.1
3	57.28	57.17	58.25	57.83	57.71	59.21	24	24.2	29.4	25.2	24.5	24	30.7	23.2	98	98	83	95	96	96	53.1
4	57.85	58.12	58.14	57.09	57.37	58.60	23.6	23.7	26.7	28.4	27.6	24.7	28.9	23	97	97	87	80	80	95	------
5	57.68	57.36	57.89	56.66	56.67	58.67	23.6	22.6	30	32	29.4	26.8	32	22.2	97	97	73	67	78	86	------
6	58.11	58.33	59.23	57.47	58.43	59.79	24.6	24	29.9	31.9	28	25.6	32.4	23.6	97	98	75	67	82	91	------
7	58.74	59.32	60.07	57.98	58.39	59.89	24.6	24	29.4	31.4	26.5	25	32.5	23.4	95	98	78	67	94	98	33.5
8	58.85	58.60	59.19	56.78	57.09	58.96	24.2	24.2	29.8	31.2	27	25.8	31.5	23.8	98	98	75	71	89	92	------
9	57.34	57.48	58.09	56.07	56.85	58.34	24.8	24.3	28.7	32.4	26.2	24.8	32.6	23.9	97	97	78	66	86	94	------
10	57.60	57.98	58.50	56.33	57.64	59.16	24.6	24.5	29	31.7	24.5	23.5	32	23	95	97	78	68	98	99	41.1
11	58.33	57.86	58.29	56.12	57.20	58.12	23.4	23.7	27.7	29.8	25.5	23.6	31.5	23	99	98	82	74	96	98	7.1
12	56.56	56.51	56.71	54.84	55.01	56.41	23.5	23.5	27.7	28	27.1	24	29.4	23	97	99	79	81	87	99	25.9
13	54.88	54.90	55.79	54.15	54.99	56.46	23.8	23.7	27.5	29.1	24.2	24.2	30.5	23.2	98	98	84	81	98	98	22.9
14	55.48	55.70	56.90	55.81	56.20	58.04	24.5	24	27.8	24.5	26.1	25.2	31.7	23	97	99	84	97	92	95	48.8
15	57.05	57.56	58.19	57.37	57.59	58.61	24.8	24.2	29.6	28	28.2	26.1	32	24	97	97	81	82	79	91	------
16	57.99	58.30	58.99	56.55	57.21	58.27	25.2	25	29.9	33.4	26	25.8	33.8	24.5	97	97	79	65	98	98	16.8
17	57.32	57.34	58.13	56.07	56.96	57.94	25	25	28.8	32.1	26.1	24.9	32.4	24.4	98	99	82	69	96	97	5.1
18	56.90	57.15	57.65	56.05	56.81	57.56	24.5	24.5	30.2	32	26	24.6	32.9	23.7	98	99	74	71	94	98	6.1
19	56.89	56.87	57.70	55.40	56.79	57.81	25.2	24.8	29.4	32	29.2	25.6	33.1	24.3	97	98	76	66	76	95	3
20	57.12	57.47	57.82	55.54	56.75	58.78	25.5	25.2	29.7	32.2	26	24	32.5	23.9	98	98	77	65	92	93	3
21	57.11	57.45	58.24	56.89	57.01	58.49	24.1	24.5	30.3	28.4	26.2	24.2	32.5	23.6	96	96	78	84	90	98	13.2
22	57.70	57.68	58.48	56.50	56.19	57.91	24	24	29.5	31	28.5	26.1	32	23.4	99	98	78	75	85	92	5.6
23	56.94	56.77	57.38	55.34	55.79	57.29	25.6	24.5	29.1	30.5	27	25.5	31.6	24.4	92	97	84	78	89	94	.3
24	56.74	57.07	58.09	56.32	56.65	58.34	24.8	24.6	30.5	31.6	27.8	25.8	31.9	24.2	97	97	80	71	83	93	2
25	56.85	57.13	57.72	55.30	56.03	57.34	24.8	24.6	29.5	28	25.5	25	31.9	24	95	98	78	88	96	96	12.7
26	55.31	55.28	55.08	53.10	53.70	54.84	24.7	24.8	28.8	29	25	24.7	30.2	24.2	96	98	79	79	97	96	5.5
27	53.46	52.93	53.84	52.63	52.03	53.56	24.6	24.5	29	26.6	25.3	25.4	30.4	24	97	97	81	93	95	97	8.8
28	52.48	52.49	53.13	52.04	53.23	54.56	24.6	24.5	29.6	29.6	25.5	25.3	31	24	97	97	79	81	97	96	11.2
29	53.82	53.81	54.56	53.61	54.15	55.67	25	25	26.5	27.6	26.1	25	29.9	24.5	97	95	94	92	91	97	8.4
30	55.03	55.18	56.11	55.19	54.96	55.60	24.4	24.6	26	26.6	25.5	25.3	29	23.8	97	98	97	90	96	98	13.2
31	54.42	54.21	54.86	53.80	53.79	54.52	24.8	24.5	25.4	24	24.1	23.8	26.1	23	98	98	96	99	98	97	50
Mean	56.50	56.58	57.27	55.69	56.14	57.47	24.5	24.3	28.5	29.3	26.3	24.9	31	23.6	97	97.7	82	79.2	91	95.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	513.6

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.				2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.			Amount.	Form and direction.		
														Upper.		Lower.		Upper.		Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*				*0–1*			
1	SW	1	SW	1	SW	1	SW	1	SW	2	SW	3	10	Ci.-S.		N. SW	10	A.-S.		N. SW
2	SW	5	SW	2	SW	4	SW	3	SW	2	SW	1	10	Ci.-S.		N. SW	10	Ci.-S.		N. SW
3	SW	1	SW	1	SW	3	SW	1	SW	1	SE	1	10	Ci.-S.		Cu. SW	10	Ci.-S.		N. SW
4	SE	1	S	1	S	2	S	2	S	1	S	1	10	Ci.-S.		N. SW	6	Ci.		Cu. S
5	NE	1	NE	1	SE	1	S	3	SE	1	NE	1	1	Ci.		Cu.	4	A.-Cu.		Cu.-N.
6	NE	1	SE	1	S	2	SW	3	SW	2	SW	1	6	Ci.	NE	Cu.	6	Ci.		Cu. W
7	SE	1	SE	1	SW	1	SW	2	SW	1	SW	1	8	Ci.		Cu. SW	7	Ci.		Cu.-N. W
8	SE	1	SW	1	SW	1	W	1	W	2	SW	1	8	Ci.		Cu. W	8	Ci.-S.		Cu.-N. W
9	SW	1	SW	1	WSW	1	SW	1	SW	4	NW	1	7	Ci.		Cu. W	7	Ci.-S.	ENE	Cu.-N. W
10	Calm	----	Calm	----	SW	1	SW	1	SW	2	SW	1	9	A.-Cu.	SW	Cu. S	8	Ci.-S.	NE	Cu.-N. W
11	W	1	W	1	WNW	1	W	4	SW	2	SW	1	10	Ci.-S.		S. W	6	Ci.		Cu.-N. WNW
12	S	1	Calm	----	SSW	2	S	4	SW	4	WSW	1	10	A.-S.		S.-Cu. S	8	Ci.-S.		Cu. S
13	SW	1	SW	1	SW	1	SW	3	SW	1	NE	1	9	Ci.-S.		S. S	8	Ci.-S.		N.-cf. SSW
14	Calm	----	Calm	----	S	1	SSW	4	SSW	1	SSW	1	6	A.-Cu.	NW	S. SW	10	Ci.-S.		N. SW
15	S	1	S	1	S	2	SSW	4	SSW	3	S	1	7	A.-Cu.	WNW	Cu. SW	9	Ci.-S.		Cu.-N. SW
16	S	1	S	1	S	2	S	2	SW	3	S	1	7	Ci.		Cu. S	6	Ci.		Cu.,Cu.-N. SW
17	NE	1	E	1	S	1	S	2	S	2	Calm	----	4	Ci.		Cu.	6	Ci.		Cu. W
18	SW	1	SW	1	SW	2	SW	3	SW	2	ESE	1	4	Ci.		Cu.	8	A.-Cu.	W	Cu.-N. SW
19	Calm	----	Calm	----	SE	2	WSW	2	WSW	2	SE	1	7	Ci.		Cu. S	5	Ci.		Cu. W
20	SE	1	Calm	----	SSW	1	SSW	1	SSW	1	NNE	3	9	Ci.-S.		S. S	5	Ci.		Cu.-N. W
21	NE	1	NE	2	S	3	SW	4	SW	2	NE	1	9	Ci.-S.		S.-Cu. S	10	Ci.-S.		Cu.-N.
22	NE	1	Calm	----	S	2	S	2	S	2	SW	4	10	Ci.		S. S	6	Ci.	NE	Cu.-N. S
23	SSW	1	S	1	S	3	S	3	S	2	S	1	7	Ci.		S.-Cu. SSW	8	Ci.		Cu.,Cu.-N. SW
24	S	1	S	1	SW	3	SW	4	SW	2	SW	1	5	Ci.		S.-Cu. S	8	A.-Cu.	W	Cu.-N. SW
25	SW	1	S	1	WSW	2	WSW	1	WSW	1	SW	1	6	Ci.		S.-Cu. SW	10	A.-S.		N. W
26	S	1	Calm	----	W	1	W	3	SW	2	S	2	9	Ci.-S.		N. SW	10	Ci.-S.		N. W
27	S	1	S	1	SW	3	SW	3	SSW	1	SSW	2	10	Ci.-S.		N. SW	10	Ci.-S.		N. SSW
28	SSW	2	SSW	1	SSW	4	SSW	4	SW	1	SW	2	10	Ci.-S.		N. SSW	10	Ci.-S.		N. SW
29	SW	2	SW	3	SW	5	SW	4	SW	4	SW	3	8	Ci.-S.	NW	cu. sw	9	Ci.-S.	NW	N. SW
30	SW	2	SW	1	SW	4	WSW	3	SW	2	SW	1	10	Ci.-S.		N. SW	10	Ci.-S.		N. SW
31	SW	1	Calm	----	SW	1	WNW	1	W	1	W	1	10	Ci.-S.		N. SW	10	Ci.-S.		N. WNW
Mean	------	1.1	------	0.9	------	2	------	2.5	------	1.9	------	1.4	7.9	----------		----------	8	----------		----------

SAN ISIDRO.

[ϕ=15° 22′ N; λ=120° 53′ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

SEPTEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	53.48	53.39	54.60	52.79	53.27	54.93	23.9	23.8	26.2	28.2	24.3	24	29.8	23.2	97	98	91	85	97	98	16.5
2	53.84	54.29	54.75	53.36	52.95	54.56	23	23.5	26.7	28.8	26.6	25.4	29.7	22.8	98	97	88	83	87	93	5.1
3	54.13	54.33	55.41	53.75	53.90	55.34	24.5	23.5	26.3	28.6	25.5	24.5	29.9	23.1	92	99	90	80	93	97	9.4
4	54.78	55.50	56.15	54.91	55.17	57.14	24.3	23.8	26.5	25.9	26.5	25.6	29.2	23.4	97	98	94	96	89	92	12.5
5	56.02	56.46	57.63	56.23	57.43	59.28	24.4	24.5	28.6	31.1	28	26.2	32.1	23.4	93	96	79	67	82	90	------
6	58.25	58.53	59.29	57.16	57.42	60.19	24.6	23.5	30.4	32.7	30.5	24.7	32.9	23.2	95	97	72	65	78	94	.5
7	58.90	58.36	59.01	56.15	56.97	58.37	24.8	23.6	28	31.7	24.6	24.7	32.4	23.1	95	96	85	69	99	98	99.3
8	57.29	56.96	58.77	57.20	57.18	58.01	23.8	23.7	24.5	24	24.3	24.2	30.2	23.4	98	98	97	95	97	98	27.2
9	57.06	57.46	58.66	57.02	57.66	59.01	24.2	24.3	28	27.5	26.4	25.4	29.5	23.9	97	98	83	82	89	95	------
10	57.80	57.92	58.43	56.18	56.35	58.18	24.8	23.9	29.7	31	27.8	25.3	31.8	23.4	95	97	75	72	86	98	8.6
11	57.01	56.86	57.72	55.99	55.72	57.94	25	24.7	29.9	27.8	27.3	25	31.4	24.4	98	98	82	91	90	98	26.1
12	57.30	56.82	57.28	55.84	56.11	58.24	24	23.7	28.9	31	26	25.2	31.4	23.5	97	99	85	70	87	98	6.3
13	56.79	56.53	57.25	54.58	55.22	57.07	24.8	24.3	28.8	31.7	26.8	24	32.3	23.8	98	97	79	67	91	98	24.9
14	55.46	54.98	54.99	52.49	52.96	53.59	24.2	24.2	28.9	31.4	26.4	25.6	31.4	23.5	98	99	80	70	95	98	7.6
15	52.46	51.57	51.87	50.31	50.54	51.35	25.6	25.6	27.4	29	27.5	26.9	29.7	25	97	98	92	86	90	94	------
16	51.24	51.67	52.04	51.15	52.18	53.65	26	25.7	30.5	29.8	28	25.6	31.4	25.3	95	96	75	82	82	93	1
17	53.36	54.33	55.02	54.61	54.95	56.31	25.4	25	29.5	25.8	26.8	25.5	31.9	24.3	97	97	78	94	94	97	23.1
18	55.61	55.96	56.53	54.58	55.36	56.95	25.4	24.5	29.6	31.8	26.5	25.3	32	24.1	98	98	78	74	92	96	------
19	55.42	55.23	56.10	53.52	54.19	55.98	24.8	24	27.6	31.1	27.5	25.5	32	23.8	97	97	85	70	84	96	.8
20	55.03	55.49	56.14	53.82	55.89	57.39	25.3	24.5	30.4	32.8	25.6	25.2	33.1	24.1	98	97	73	67	97	97	4.1
21	56.25	56.56	57.98	55.76	56.13	58.12	25	24	29	32.6	28.5	25.7	32.6	23.8	98	98	75	66	85	94	------
22	57.59	58.57	59.60	57.45	58.37	60.10	25	23.5	28.7	31.7	25.8	25.2	32.4	23.2	98	97	76	66	97	97	13.2
23	59.59	59.91	60.81	58.01	59.18	60.34	24.8	23.8	29.5	31.6	26.5	24.7	32	23.5	97	98	78	63	85	90	------
24	59.36	59.70	59.99	58.03	58.37	59.76	24	24.2	25.5	29.7	27.4	25.4	30.5	23.5	97	98	96	71	87	93	8.6
25	59.03	58.58	59.56	56.86	57.51	59.44	24.8	23.7	28.3	31.4	27	24.6	31.6	23.4	98	99	80	72	84	95	1.5
26	57.97	57.73	58.23	55.57	55.89	57.23	23.5	22.6	28.8	31.1	26.9	25.6	32	22.3	97	99	78	65	82	95	------
27	55.66	55.44	55.91	53.96	53.96	55.10	25	24.5	28.4	26.6	26	25.5	30.2	24	97	97	85	95	95	98	6.8
28	54.72	54.98	56.08	54.24	55.53	56.75	25.2	24.7	29.7	29.4	27.8	26.6	33.9	24.2	95	94	78	80	90	92	4.8
29	56.24	56.50	57.44	55.55	56.01	57.86	25.6	25	30	29	26.6	25	30.8	24	95	97	78	81	81	92	1.3
30	56.91	56.33	57.81	56.75	57.16	58.51	23.8	24.1	27.4	25	25	24.3	28	23.5	97	97	89	97	96	97	7.9
Mean	56.15	56.23	57.04	55.13	55.65	57.22	24.6	24.1	28.4	29.7	26.7	25.2	31.3	23.7	96.6	97.5	82.5	77.4	89.4	95.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	317.1

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	W	1	SSW	1	SW	1	SW	3	SW	1	SW	1	10	Ci.-S.	N. SSW	9	Ci.-S. NW	N.-cf. SW	
2	SW	1	SW	1	SW	1	SW	4	S	3	S	4	10	Ci.-S.	N. SW	8	Ci. NW	Cu. SW	
3	S	1	S	1	S	4	S	5	S	2	SSW	2	10	Ci.-S.	N. SSW	7	A.-Cu. W	Cu. S	
4	SSW	1	SSW	1	SSW	4	SSW	1	SSW	3	SSW	1	10	Ci.-S.	N. S	9	Ci.-S.	Cu. SW	
5	SSW	1	S	1	S	3	S	4	SSW	2	SSW	1	7	A.-Cu. SW	Cu. S	6	A.-Cu. SW	Cu. S	
6	S	1	SSE	1	S	2	S	2	S	1	W	2	4	A.-Cu. SW	Cu. S	4	Ci. SE	Cu. S	
7	N	1	N	1	N	2	N	2	NNE	1	NNW	1	10	Ci.-S.	Cu. N	8	Ci. ESE	Cu.,Cu.-N. N	
8	N	1	N	1	Calm	----	N	2	N	2	N	1	10	Ci.-S.	Cu. N	10	Ci.-S. SE	N. NW	
9	Calm	----	Calm	----	SSW	1	SW	3	SW	1	Calm	----	10	Ci.-S.	N. E	10	Ci.-S.	Cu.-N. W	
10	S	1	S	1	S	2	SSW	1	SSW	1	N	1	3	Ci.	Cu. SW	7	Ci.	Cu. SW	
11	N	1	Calm	----	S	3	S	1	SW	1	N	2	8	Ci.-S.	S.-Cu. S	10	Ci.-S.	Cu.-N. SW	
12	NW	1	SE	1	WSW	1	WSW	1	WSW	1	SW	1	10	Ci.-S.	S.-Cu. S	6	Ci. NE	Cu. W	
13	SW	1	SW	1	SW	2	SW	2	WSW	1	W	1	10	A.-Cu. NW	Cu. W	6	Ci.	Cu.-N. W	
14	SW	1	SW	1	WSW	1	WNW	2	WSW	2	Calm	----	10	Ci.-S.	N. SW	7	Ci. E	Cu. WNW	
15	WSW	1	WSW	1	SW	2	SW	1	W	2	SW	1	10	Ci.-S.	N. W	10	A.-S.	N.-cf. WSW	
16	SW	1	Calm	----	SW	2	SW	2	SW	1	Calm	----	10	Ci.-S.	Cu. W	10	Ci.-S.	N.-cf. W	
17	SW	1	SW	1	SW	2	SSW	3	SSW	3	SSW	1	5	A.-Cu. W	Cu. SW	10	Ci.-S.	N. SW	
18	SSW	1	S	1	S	3	S	3	S	2	N	2	6	A.-Cu. W	S.-Cu. SSW	7	A.-cu. WSW	Cu.-N. SSW	
19	N	1	N	1	N	2	N	1	WNW	2	WNW	1	10	Ci.-S. SE	Cu. NNW	5	Ci.	Cu.-N.	
20	WNW	1	WNW	1	SW	2	SW	2	SW	2	Calm	----	6	Ci. ENE	Cu. WSW	7	A.-Cu. NW	Cu. WSW	
21	ESE	1	Calm	----	WSW	1	WSW	3	WSW	1	N	1	3	Ci. ENE	S.-Cu. SW	6	A.-cu. WNW	Cu.,Cu.-N. W	
22	N	1	Calm	----	WNW	1	SW	2	SW	1	SE	1	7	Ci.	S.	6	Ci.	Cu. W	
23	Calm	----	Calm	----	WSW	2	SW	1	N	3	N	1	4	Ci.	S.	5	Ci. SE	Cu. WNW	
24	N	1	Calm	----	NW	2	NW	1	NE	1	N	1	10	Ci.-S.	S.	7	Ci.-S. SE	Cu.,Cu.-N. NW	
25	N	1	N	1	ENE	1	NE	1	NE	2	N	2	10	Ci.-S. SE	N. NE	7	A.-Cu. ESE	Cu. ENE	
26	N	1	N	1	NW	2	NW	3	NW	1	Calm	----	8	Ci.	S. N	6	A.-Cu. ENE	Cu. NNE	
27	N	1	NW	1	WNW	2	W	1	SW	2	SW	1	10	Ci.-S.	Cu. N	10	Ci.-S.	N. W	
28	WSW	2	SW	2	SW	3	SW	3	SW	1	SW	1	10	Ci.-S.	N. WSW	6	A.-cu. WNW	Cu. WSW	
29	SSW	1	SSW	1	SSW	2	SSW	5	SSW	4	S	1	10	Ci.-S.	Cu. SW	9	A.-Cu. W	Cu. SW	
30	S	1	S	2	SSW	3	SSW	2	SSW	3	SSW	2	10	Ci.-S.	N. SW	10	Ci.-S.	N. SSW	
Mean	------	1	------	0.8	------	2	------	2.2	------	1.8	------	1.1	8.4	----------	----------	7.6	----------	----------	

SAN ISIDRO.

[$\phi = 15°\ 22'$ N; $\lambda = 120°\ 53'$ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

OCTOBER, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.20	58.07	58.90	57.54	58.44	60.15	24	23.4	27.9	25.6	25.4	24.3	31.4	23	98	98	84	95	97	97	6.5
2	59.46	59.66	60.79	58.62	58.59	59.94	24	23.6	26.5	29.5	28.5	25.5	31	23.1	99	99	90	81	81	89	.3
3	59.16	60.02	61.24	58.93	58.89	59.35	24.2	23.7	24.2	27.5	26.6	24.7	28.3	23.1	95	96	96	84	87	95	8.7
4	58.58	59.32	59.74	56.81	57.49	60	24.6	24	28	32.1	28	24.5	32.2	23	97	99	85	68	89	97	2.5
5	58.11	58.68	59.68	56.93	57.71	59.26	24.6	23.7	30.1	32.3	28.5	25.2	32.4	23.4	98	99	78	64	85	98	4.1
6	58.04	58.50	59.88	57.42	58.25	60.16	25	25	28.3	31.5	26	24.8	32	24.1	97	98	84	70	94	98	3
7	59.01	59.57	60.80	57.99	59.16	60.58	24.2	23.6	28.6	31	24.2	24	31.6	23.2	98	99	81	67	98	99	51.6
8	59.46	59.80	60.50	57.68	58.04	59.50	23.8	23.6	25.7	27.7	26.7	25	28.5	23.4	98	99	92	87	94	98	27.5
9	57.96	57.67	58.51	56.04	56.65	57.59	24	23.6	28.3	29.2	26.4	25.1	29.8	23.3	99	99	82	81	92	98	------
10	56.04	56.47	57.19	54.94	55.68	56.60	25	24.8	29.8	29.5	25.7	25.4	30.9	24.5	97	98	82	83	98	97	3.8
11	55.53	55.59	56.72	54.36	56.06	58.11	25	24	29.5	26.4	24.5	24	31	23.5	97	99	79	94	99	97	38.6
12	57.72	58.24	59.12	56.81	57.82	59.70	23.8	22.7	28.5	32.1	28.5	26	32.1	22.5	98	99	78	69	85	92	------
13	58.54	58.95	59.55	57.14	57.55	58.56	25	24.1	27.5	30	27	25	30.5	23.8	96	97	81	72	84	97	------
14	57.38	57.53	58.03	56.08	57.58	58.54	24.8	23.5	29.5	31.9	26.2	24.8	32.8	23	98	99	71	73	94	97	5.4
15	57.26	57.42	57.68	55.20	55.83	57.16	23.8	23.2	29	31.8	27.9	25.8	32.8	22.7	97	98	72	61	78	85	------
16	56.71	57.08	57.88	55.29	55.79	56.61	24.5	23.5	28	28	26.5	26.1	29.1	23.1	91	92	77	79	80	73	1.3
17	55.98	56.04	56.66	55.95	55.99	57.64	25.5	23.2	25.4	23.2	23.3	23.8	26.3	22.8	72	85	77	98	97	97	31.5
18	57.33	58.88	60.22	58.32	59.01	61.02	23.4	23.5	25.8	28.6	27	25.4	29.4	22.7	97	99	91	78	84	93	------
19	60.03	60.58	61.67	58.96	59.26	60.90	24	24	28	30.3	27.2	24.3	30.8	23.2	97	99	85	76	90	93	------
20	60.03	60.31	60.89	58.14	58.39	60.15	23.3	22.8	27.2	30.5	27	24.8	31.8	22.4	96	98	83	66	77	89	------
21	59.26	59.76	60.99	59.93	59.65	60.62	24	23.5	27.9	27.3	26	24.5	29.6	23.2	93	96	71	85	91	96	------
22	59.12	60.02	60.56	57.90	58.44	60.10	23.4	22.8	30.7	32	27.8	25.4	33.1	22.3	97	98	72	66	82	90	------
23	58.85	59.23	59.98	57.48	58.53	60.09	24	23.4	29.5	31.5	27	25.2	31.9	23	97	97	71	66	84	92	------
24	59.06	59.24	59.89	57.48	58.49	59.40	23.7	22.6	29.8	32.5	25.5	24.3	32.8	22.3	97	98	71	60	91	94	.5
25	58.48	58.84	59.38	57.07	57.29	58.51	23.5	22.2	28	31.5	28.4	26	32	21.8	97	98	73	59	82	89	------
26	57.01	57.23	58.08	55.59	56.28	57.13	24	23.2	28.6	29.6	24.2	24.4	31.5	22.9	97	98	80	81	96	97	15.8
27	55.63	56.10	58.39	57.32	58.11	59.65	24.8	25.2	26.6	26.1	25.5	24.2	27.2	23.5	97	98	92	94	96	96	4.1
28	59.43	59.83	60.64	58.22	59.07	60.84	23.6	22.5	30.3	32.8	27.5	26	32.8	22.4	97	98	78	65	82	92	------
29	59.36	59.21	60.17	57.86	59.12	60.22	25	24.2	29.5	32.8	27	24.6	33.1	23.4	97	97	75	56	82	95	.8
30	59.55	60.27	60.92	59.12	59.96	61.59	23.4	23	26.3	28.8	25.9	25	29.8	22.3	97	97	86	81	92	95	2.8
31	60.76	61.23	61.64	59.49	60.18	61.15	24.2	23.2	27.2	29.7	27.5	25.8	31	23	98	99	84	77	86	92	------
Mean	58.29	58.69	59.56	57.31	57.98	59.38	24.2	23.5	28.1	29.8	26.6	25	31	23	95.8	97.5	81	75.4	88.6	93.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	208.8

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	SSW	1	SSW	1	SSW	2	SSW	1	SSW	2	SW	1	7	Ci.	S.-Cu. SW	10	Ci.-S.	N. SSW	
2	SW	1	SW	1	SW	1	SSW	2	SW	1	SW	1	9	Ci.-S.	Cu. SW	8	A.-Cu. W	cu.-N. SW	
3	SW	1	SSW	1	SW	1	SSW	3	SSW	1	S	1	10	Ci.-S.	S.-Cu. SSW	10	Ci.-S.	cu.-N. SW	
4	S	1	Calm	----	SSW	1	SSW	2	SSW	3	N	2	10	A.-S.	S.	5	Ci.	Cu. W	
5	Calm	----	W	1	SW	1	WNW	2	SW	3	SW	1	8	Ci.	S. WNW	4	Ci.	Cu. N	
6	N	1	NNE	1	NE	1	NE	1	Calm	----	NE	1	8	Ci.	Cu. N	8	Ci. SE	Cu.-N. E	
7	NE	1	NE	1	NE	1	NE	1	N	1	NE	1	8	Ci.	S. N	8	Ci.-S. SE	Cu.-N.	
8	Calm	----	NE	1	WNW	1	SW	2	SW	1	WNW	1	10	Ci.-S.	S.-Cu. N	7	Ci.	Cu. W	
9	NE	1	NE	1	SSE	1	SW	1	Calm	----	SW	1	7	Ci.-S.	S.-Cu., Cu.-N.	7	Ci.-S. NE	Cu.-N. W	
10	SW	2	SSW	1	SSW	3	SW	2	SW	1	Calm	----	7	Ci.	Cu. SW	10	Ci.-S.	N.-cf. W	
11	SW	1	SW	1	ENE	3	SSE	1	SSE	1	SSE	1	10	Ci.-S.	S.-Cu. SW	10	Ci.-S.	N. S	
12	SSE	1	SSE	1	ENE	2	SSE	3	SSE	1	N	2	7	Ci.-S.	Cu. S	6	Ci.	Cu.-N. E	
13	N	1	N	2	N	3	NE	2	NE	1	Calm	----	10	Ci.-S.	Sa-Cu.	6	Ci.-S. ESE	cu.-N. NE	
14	NW	1	NNE	1	NE	3	NE	2	NE	2	NE	2	3	Ci.	Cu. NE	8	A.-Cu. E	Cu. NE	
15	NE	1	ENE	1	NNE	1	NE	3	NE	1	NE	1	7	Ci. SE	Cu. NE	7	Ci. SSE	Cu. NE	
16	N	2	NE	2	NE	3	NE	2	NE	4	NNE	5	4	Ci.	Cu. NE	10	Ci.-S.	Cu. ENE	
17	NNE	7	NE	6	NE	7	NE	2	NE	3	NE	1	10	Ci.-S.	N. ENE	10	Ci.-S.	N. ENE	
18	ENE	1	E	1	ENE	3	ENE	2	ENE	2	ENE	1	10	Ci.-S.	N. ESE	7	Ci.-S.	Cu. SE	
19	E	1	Calm	----	SE	2	SE	1	SE	2	E	1	6	Ci.-S.	Cu. E	8	Ci.	cu.-N. ESE	
20	N	1	Calm	----	NE	1	NE	2	NE	1	N	1	1	A.-Cu.	Cu.	6	A.-Cu. ENE	Cu. NE	
21	NE	1	NE	1	NE	3	SE	2	ENE	1	N	1	8	Ci.-S.	Cu. E	10	Ci.-S.	Cu.-N. E	
22	N	1	NNE	1	NE	1	SE	3	SE	2	Calm	----	5	Ci.	S.	6	Ci.	Fr.-Cu. E	
23	N	1	NNE	1	NE	2	SE	1	N	2	N	1	3	Ci.	S.-Cu.	7	A.-Cu. E	Cu. NE	
24	N	1	N	1	N	1	NE	1	SE	1	NE	1	2	Ci.	S.-Cu.	8	Ci.	Cu.-N. NE	
25	NE	1	NE	1	N	3	NE	2	N	1	Calm	----	2	Ci.	S.	8	Ci.	Cu. NE	
26	W	1	W	1	W	2	WSW	1	WSW	2	SW	1	6	Ci.	S. W	10	Ci.-S.	Cu.-N. W	
27	SW	2	SSW	3	SSW	5	SSW	3	SSW	2	S	1	10	Ci.-S.	N. SW	10	Ci.-S.	N. SSW	
28	Calm	----	S	1	S	2	S	3	E	2	S	1	5	Ci.	Cu. S	3	Ci.	Cu. S	
29	NE	1	NE	1	NE	2	NE	2	E	3	E	1	2	Ci.	Cu.	4	Ci.	Cu. E	
30	Calm	----	NE	1	NE	1	SE	1	Calm	----	E	1	7	Ci.	Cu.-N. E	10	Ci.-S.	Cu.-N. E	
31	N	1	N	1	NE	3	NE	2	N	1	N	2	8	Ci.	S. N	6	A.-Cu. ENE	Cu. ESE	
Mean	------	1.2	------	1.2	------	2.1	------	1.9	------	1.5	------	1.1	6.8	----------	----------	7.6	----------	----------	

SAN ISIDRO.

[$\phi = 15°\ 22'$ N; $\lambda = 120°\ 53'$ E; barometer above sea, 20 meters; gravity correction not applied, −1.69 mm.]

NOVEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.06	60.80	61.18	58.41	59.48	60.59	24.8	24	30	32	27.6	25	32.8	23.5	98	99	74	67	76	88	------
2	59.72	59.86	60.49	58.12	58.94	60.25	23.8	22.5	30	32.3	27.4	25	33	22	97	97	68	56	75	89	------
3	59.34	59.74	60.17	57.88	58.91	60.11	24.8	24.7	29.2	30.8	26.5	25.2	32.6	24.4	90	93	73	67	80	87	------
4	59.51	59.97	60.23	58.10	59.35	60.74	23.8	23.4	30.7	30.9	27	24.6	33	22.9	95	97	69	67	77	92	------
5	60.07	60.64	61.16	59.29	59.70	60.67	23.5	22.2	29.6	31.1	24.9	23.1	32.1	21.6	97	98	72	58	80	87	------
6	59.68	59.77	59.79	57.73	57.39	59.09	22	21.8	28.3	29.6	26.8	25	30	21.2	96	96	63	64	78	88	1.8
7	59.16	59.65	60.83	59.68	59.66	61.14	24.4	23.3	24.5	24.5	24.1	23.2	25.1	23	97	97	96	97	98	98	9.7
8	60.81	61.89	62.35	59.83	60.46	61.29	23	22.5	25.4	28.2	24.8	23	28.7	22.1	98	99	93	73	97	99	1.3
9	60.44	60.46	60.97	58.66	59.08	60.53	22.6	22	27.9	30.7	26.4	24.1	31.9	21.5	99	99	76	63	84	95	------
10	59.66	59.98	60.57	58.44	58.99	60.26	23.1	21.2	28.6	31.2	26	22.3	31.5	20.9	97	98	66	58	69	87	------
11	60.27	60.54	61.38	59.44	60.01	61.31	21.2	20.2	28.9	30.2	27	23.8	31.6	19.9	96	98	69	66	81	91	------
12	60.74	61.01	61.77	59.41	59.79	60.60	22.4	21.6	28.9	32	26.5	23.5	32.4	21.4	96	98	71	62	76	91	------
13	59.63	59.84	60.20	58.22	58.72	59.71	22.4	21	29.5	31.7	26.7	24.2	32.6	20.7	96	98	68	61	71	86	------
14	58.78	59.26	60.03	57.98	58.87	60.32	22.5	21.4	29.1	29	26	23.3	32.8	21.1	97	98	77	74	84	97	------
15	59.71	60.38	60.98	59.23	59.35	60.50	22.5	22.5	27	29.8	26.2	24.2	30	21.9	98	98	80	67	86	94	------
16	59.58	60.24	60.77	58.68	59.19	60.28	23.2	21.7	29	30.6	26.9	24.4	32.6	21.5	97	98	71	69	79	90	------
17	59.18	59.46	60.28	57.91	59.24	60.41	22.4	21.6	29.5	31.8	27.2	24.5	32.5	21.2	96	98	71	61	80	91	------
18	59.28	59.59	60.08	57.66	58.28	59.67	23.4	21.8	30.1	32.2	27.3	24.8	33.2	21.4	97	97	67	62	76	88	------
19	58.96	59.81	60.24	57.66	58.25	59.79	23.6	22.3	28.9	32.4	26.5	24	32.8	22	97	97	74	55	75	88	------
20	59.20	59.16	59.69	57.45	57.89	59.01	22.4	22.2	29.4	30.6	25.8	24	32.5	21.9	96	96	72	67	95	99	7.1
21	58.11	58.46	59.58	56.98	57.70	59.52	23.4	22.7	28.4	31	26.5	24.5	31.8	22.5	97	96	73	59	77	92	------
22	58.79	59.19	59.86	57.73	58.54	60.16	22.9	22.7	28.5	29.7	26	23.5	32.2	22.4	83	85	64	64	76	87	------
23	59.04	59.49	60.25	57.56	58.22	59.18	22.5	21.3	27.7	31.1	26	22.4	31.7	21	92	97	62	56	76	88	------
24	58.14	58.55	59.04	57.01	57.71	59.02	21.2	20.6	28	30.5	25.5	23.2	32.1	20	93	94	70	60	73	85	------
25	56.64	56.26	56.12	54.49	54.64	55.74	23.2	23	26.4	26.9	24.4	25.2	28	21.5	81	76	64	70	88	83	2
26	56.22	57.46	58.62	56.36	57.19	59.32	24.5	23.4	29.5	32.4	27.2	22.7	32.5	22	87	95	69	58	73	90	------
27	59.01	59.87	60.50	58.13	58.45	59.29	22	20.2	27.3	32	27.3	25	32.6	19.5	91	98	75	61	75	88	------
28	58.22	58.93	59.60	57.11	57.12	58.51	23.8	23.1	28.4	29.5	27.2	24.1	30	22.5	88	90	70	68	75	86	------
29	56.04	57.43	58.57	57	57.51	58.71	25	24	23.2	24.9	23	22.5	26	22.4	83	87	96	94	98	99	25.6
30	58.34	58.43	59.25	57.90	59.16	60.26	22.5	22.5	25.6	25.4	24	23.4	29	22	98	99	92	96	97	97	29.4
Mean	59.08	59.54	60.15	58	58.59	59.87	23.1	22.2	28.2	30.2	26.2	23.9	31.3	21.7	94.1	95.5	73.5	66.7	80.8	90.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	76.9

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	N	1	N	1	ENE	2	NE	2	E	3	N	2	10	Ci.-S.	S. N	6	A.-Cu. ESE	Cu. NE	
2	N	1	NE	1	NE	3	E	3	E	3	NE	2	3	A.-Cu.	Cu. NE	5	A.-Cu.	Cu. E	
3	ENE	1	ENE	2	ENE	2	ENE	4	NE	4	NE	2	5	Ci.	Cu. E	7	A.-Cu. SE	Cu. E	
4	NE	1	NE	1	ENE	3	ENE	4	ENE	2	N	1	6	Ci.	Cu. ENE	7	A.-Cu.	Cu. E	
5	N	1	N	1	NE	2	SE	3	SE	1	N	1	6	Ci.	S. SE	6	Ci.	Cu. NE	
6	NE	1	N	1	N	6	NNE	6	NNE	4	NNE	4	9	Ci.-S.	Cu. NE	9	Ci.-S.	Cu. ENE	
7	NE	1	Calm	----	ENE	1	ESE	1	ESE	1	ESE	1	10	Ci.-S.	N. E	10	Ci.-S.	N. ESE	
8	E	1	E	1	NE	1	NE	2	NE	1	E	1	8	Ci.-S.	N. ESE	7	Ci.-S.	Cu. E	
9	N	1	N	1	N	1	NE	3	NE	1	N	1	2	A.-Cu.	Cu.	5	Ci.	Cu.-N. E	
10	N	1	N	2	NNE	2	NE	4	NE	4	NE	2	3	Ci.	Cu.	4	A.-Cu. E	Cu. NE	
11	N	1	N	1	NE	3	E	4	E	2	N	1	3	Ci.	Cu. ENE	6	A.-Cu. E	Cu. ENE	
12	N	1	N	1	NE	2	E	3	E	2	N	1	3	A.-Cu.	Cu. E	7	A.-Cu. ENE	Cu. E	
13	N	1	N	1	N	1	NE	1	ENE	2	NE	1	2	Ci.	Cu. NE	6	Ci.	Cu. NE	
14	NE	1	NE	1	NE	1	ESE	2	ESE	1	N	1	3	Ci.	S.	6	Ci.	Cu.-N. E	
15	N	1	N	1	N	2	NE	2	NE	1	N	1	3	A.-Cu.	Cu. E	7	Ci.-S.	Cu. E	
16	N	2	N	1	N	1	NE	2	NE	2	N	1	2	Ci.	Cu.	7	Ci.	Cu.-N.NE	
17	N	1	N	1	SSW	2	SE	2	N	2	N	1	3	Ci.	S.-Cu. NE	6	Ci. E	Cu. NE	
18	N	1	E	1	NE	1	NE	1	E	1	NE	1	2	Ci.	S.-Cu.	5	A.-Cu. E	Cu. NE	
19	N	1	NE	1	NE	2	NE	3	NE	1	NE	1	3	A.-Cu.	S.-Cu.	3	A.-Cu.	Cu. NE	
20	NE	1	ENE	1	NE	2	NE	2	NE	2	N	2	4	Ci.	Cu. NE	6	A.-Cu. E	Cu. NE	
21	NE	1	NE	1	N	2	NNE	2	NE	3	NE	1	3	A.-Cu.	Cu. NNE	6	Ci. SE	Cu. NE	
22	N	2	NE	2	NE	3	NE	1	NE	2	N	2	8	A.-Cu.	Cu. NE	5	Ci.	Cu. NE	
23	N	1	NE	1	NNE	4	NE	3	NE	2	NE	1	2	Ci.	Cu.	7	Ci.	Cu. NNE	
24	N	1	NE	1	NNE	3	NNE	2	NE	3	NE	1	7	Ci.-S.	Cu.	8	Ci.-S. SE	Cu. NE	
25	N	3	N	4	N	5	NE	6	NE	3	ENE	2	7	Ci.-S.	Cu. NNE	10	Ci.-S.	N. ENE	
26	ESE	1	ESE	1	SE	2	S	2	E	3	S	1	6	Ci.-S.	Cu. ESE	5	Ci.	Cu. SSE	
27	N	1	NE	1	NNE	2	NE	2	NE	2	N	2	5	Ci.	S.-Cu.	5	Ci. SE	Cu. NE	
28	N	1	N	1	NNE	3	NNE	5	NNE	3	NE	1	9	Ci.-S.	Cu. NE	8	Ci.-S.	Cu. ENE	
29	NE	4	NE	1	NE	2	ENE	2	ENE	2	NE	2	10	Ci.-S.	N. E	10	Ci.-S.	N. E	
30	NE	1	E	1	ESE	1	ESE	1	ESE	2	N	2	10	Ci.-S.	Cu. ESE	10	Ci.-S.	Cu.-N. SE	
Mean	------	1.2	------	1.2	------	2.2	------	2.7	------	2.2	------	1.4	5.2	----------	----------	6.6	----------	----------	

SAN ISIDRO.

[$\phi = 15°\ 22'$ N; $\lambda = 120°\ 53'$ E; barometer above sea, 20 meters; gravity correction not applied, —1.69 mm.]

DECEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.58	60.58	61.30	59.18	60.84	62.40	23	22.4	28	30.2	25.4	24.5	31.5	22	97	97	82	73	95	96	2.3
2	61.06	61.54	62.59	59.73	59.91	61.45	23.5	21.8	27.1	30	26.4	23	31.1	21.5	97	98	76	68	78	93	------
3	60.27	60.44	60.94	58.08	58.35	59.72	21.4	20.3	26.4	30.4	26.5	24	31	20	96	98	81	65	82	91	------
4	58.66	58.91	59.57	56.57	56.90	58.12	23	22.4	24.5	30.4	26.4	24.5	31.1	22	96	99	92	67	89	97	.5
5	56.88	57.76	58.91	56.99	57.66	59.26	23	22.7	27.2	31.5	26	24.5	32	22.6	98	99	83	64	84	92	------
6	58.76	59.88	60.60	58.68	59.09	61.28	23	22	27.2	30.2	27	23.5	31.1	21.4	99	99	75	56	80	94	------
7	60.84	61.33	62.25	59.79	60.50	62.15	22.2	21.2	26	29.5	24.3	22.4	29.9	20.3	91	93	72	53	73	79	------
8	61.43	62.02	62.49	60.27	60.95	62.57	19.5	17.8	26	29	24.5	21.5	29.2	17.1	86	90	62	52	73	82	------
9	62.01	62.35	63.10	60.75	61.53	62.69	20.5	20.2	26.2	28.1	24.8	22.7	28.8	19.6	91	92	70	61	77	82	------
10	61.74	62.25	62.99	61.49	62.01	62.99	22.7	21.7	28.5	27.8	24.7	22.4	30.4	21.2	85	89	63	61	78	82	------
11	62.05	61.81	63.21	61.34	61.74	62.80	23	21	25.9	26	24.6	23.5	26.6	20.4	83	85	72	73	79	85	.5
12	61.99	61.79	62.93	60.56	61.70	62.99	22.6	21.1	27.8	31.3	25.9	21.6	32	20.7	86	94	67	60	71	86	------
13	61.91	62.33	63.05	60.55	61.50	63.06	20.4	20.1	27.6	31.4	26.1	23.6	32	19.4	92	93	63	53	77	86	------
14	62.47	62.81	63.28	60.97	61.22	62.92	21.5	20.4	27.6	31	26.7	24.6	31.6	20	95	96	70	57	74	87	------
15	61.36	61.69	62.33	60.19	60.89	62.19	23	21.7	28.4	30.4	26	22.8	31.5	21.4	91	97	75	63	78	91	------
16	61.35	61.64	62.52	59.93	60.69	61.93	21.8	20	27	30	25.6	21.6	31.7	19.6	95	98	70	57	71	89	------
17	60.93	61.04	62.04	59.77	60.52	61.96	21	19.5	26.6	29.9	26.1	22	31.3	19	91	95	78	62	69	91	------
18	60.69	61.04	61.59	58.31	58.93	59.98	21	19	27	31	26.5	23	31.6	18.5	95	98	73	61	79	91	------
19	58.95	59.29	60.63	58.02	58.37	59.88	20.8	18.7	24.8	30.1	26.5	23	30.7	18.3	96	99	83	58	76	93	------
20	59.42	59.65	60.50	58.13	58.82	60.02	21.8	19.9	27	30.7	28.3	24.4	32.1	19.5	98	99	80	62	73	88	------
21	59.71	59.97	60.94	58.18	58.33	60.38	22.4	21.4	27.5	31.4	26.6	23.2	31.8	20.6	93	96	73	56	72	90	------
22	59.93	60.74	61.58	59.09	60.12	61.69	20.6	20.5	26.3	30	25.2	22.3	30.4	19.5	94	97	75	61	74	89	------
23	61.47	62.08	63.06	60.77	61.32	62.64	21	19.4	26.5	30.1	25.4	22	31.4	19	96	98	70	55	73	88	------
24	61.59	61.46	62.32	60.52	61	62.34	21.6	20.4	27.8	27.9	25	23	31.7	20.3	95	96	68	67	76	90	.5
25	62.20	62.39	63.21	60.89	62.05	63.19	22.4	21.6	26.8	29.6	25.9	23.9	30.6	21	92	93	71	57	73	80	7.1
26	62.06	63.07	63.20	61.04	60.87	62.67	22	21.9	23.6	27.4	23.2	22.5	27.9	21.4	96	99	94	81	98	99	19.3
27	61.64	61.89	62.14	60.54	61.22	61.86	22.5	22	26.2	28.8	26.5	24	30	21	97	98	81	65	74	90	.5
28	61.09	61.84	62.42	60.51	61.09	62.55	22.7	21.7	27.6	29.5	26.7	23.8	31.6	21.5	97	98	76	68	79	97	------
29	61.59	61.87	62.95	60.92	61.93	63.19	22.8	21.8	27.8	30	26.6	25	31	21.5	98	99	73	65	73	88	------
30	62	62.23	63.32	61.08	61.96	63.23	23.5	22.7	27.8	28.3	24.5	22.6	30.7	21.9	96	96	74	77	84	93	------
31	62.05	62.32	63.49	61.09	61.29	62.38	22	21.3	26.1	28	26.5	24	30.5	20.9	93	93	74	74	80	88	1.1
Mean	60.89	61.29	62.11	59.80	60.43	61.82	22	20.9	26.8	29.7	25.8	23.2	30.8	20.4	93.7	95.8	74.7	63	77.8	89.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	31.8

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	Calm	----	SE	1	S	2	S	2	S	2	N	1	8	Ci.-S.	Cu.-N. SSE	8	Ci.	Cu.-N. S
2	NE	1	Calm	----	NE	2	NE	2	NE	2	NW	2	6	A.-Cu. S	Cu. SSW	5	Ci.	cu.-N. ESE
3	NE	1	NE	1	NW	2	N	2	NE	1	NW	1	8	Ci.	S. NE	6	Ci. SE	Cu. NE
4	NW	1	WNW	1	NW	1	NW	3	NW	2	NW	1	8	Ci.	Cu. NW	6	Ci.-S. ESE	Cu. NNW
5	NW	1	WNW	1	W	2	WSW	3	WNW	2	WNW	1	7	Ci.	Cu. NW	7	Ci.	Cu. W
6	NW	1	NW	1	NE	2	NE	3	NE	1	N	2	4	Ci.	Cu.	4	Ci.	Cu. NW
7	N	2	NNE	2	NNE	3	NNE	3	ENE	4	N	2	4	Ci.	S.-Cu. NE	3	A.-Cu.	Cu. NE
8	NW	1	N	1	NE	3	NE	4	NE	3	N	3	2	Ci.	Cu.	4	A.-Cu.	Cu. NE
9	N	2	N	2	NE	2	NE	4	NE	4	NE	2	6	Ci.	Cu. NE	8	A.-Cu. ENE	Cu. E
10	N	2	N	2	NE	4	NE	4	NE	2	N	3	5	A.-Cu. NE	Cu. E	5	A.-Cu.	Cu. ENE
11	N	2	N	2	NE	4	NE	3	NE	3	N	2	7	Ci.-S.	S.-Cu. ENE	9	A.-Cu. ESE	Cu. ENE
12	N	2	N	1	NE	3	NE	4	E	4	NE	1	7	Ci.	Cu. E	4	Ci.	Cu. E
13	N	1	NE	1	NE	3	NE	4	NE	3	NE	1	6	Ci.	Cu. NE	3	Ci.	Cu. E
14	N	1	N	1	NE	3	NE	4	E	3	NE	1	2	Ci.	Cu. NE	3	A.-Cu. NE	Cu. E
15	N	1	NNE	1	NE	2	E	4	E	3	NE	1	2	Ci.	Cu. NE	7	A.-Cu. NE	Cu. E
16	N	1	N	1	NE	3	NE	3	NE	2	N	2	3	Ci.	Cu. E	6	Ci.	Cu. E
17	N	1	N	1	NE	2	E	4	E	4	E	1	3	Ci.	Cu. E	6	A.-Cu. ENE	Cu. E
18	NE	1	NE	1	NE	1	NNE	1	NE	1	N	1	3	A.-Cu.	Cu. ENE	5	Ci.	Cu. NE
19	NE	1	N	1	N	1	NW	2	WNW	1	WNW	1	8	Ci.	Cu. N	5	Ci.-S. ESE	Cu. NW
20	NW	1	WNW	1	NW	1	NE	2	NE	3	NE	1	5	Ci.	S. W	5	Ci.	Cu. NE
21	NE	1	NE	1	NE	2	NE	3	NE	1	N	2	7	Ci.	Cu. E	5	Ci.	Cu. E
22	N	1	Calm	----	NE	1	E	1	E	3	NE	2	10	Ci.-S.	Cu. E	6	A.-Cu. ENE	Cu. E
23	N	1	N	2	N	2	E	4	E	4	N	1	3	Ci.	Cu. E	4	Ci.	Cu. E
24	NW	1	N	1	N	2	E	4	E	1	N	1	5	Ci.	Cu. E	8	Ci.-S.	Cu.-N. E
25	NNE	1	NE	2	NE	2	NE	2	NE	2	NE	1	10	Ci.-S.	Cu.-N. E	7	A.-Cu. ESE	Cu. ENE
26	NE	1	NE	2	NNE	4	NE	2	N	3	N	4	10	Ci.-S.	Cu.-N. E	10	Ci.-S.	Cu.-N. E
27	N	1	N	1	N	1	E	4	ESE	3	N	2	7	Ci.	Cu. E	5	Ci.	Cu. E
28	NE	1	N	1	NE	2	NE	2	N	3	N	1	6	A.-Cu. SE	Cu. E	5	Ci.	Cu. E
29	N	1	N	1	NE	2	NE	3	E	3	N	1	8	Ci.	S. N	6	A.-Cu.	Cu. E
30	NE	1	NE	1	E	2	NE	3	E	2	N	1	4	Ci.	Cu. E	6	A.-Cu. E	Cu. ENE
31	N	1	N	1	NE	3	E	2	NE	1	N	1	5	A.-Cu.	Cu. E	7	A.-Cu.	Cu.-N. E
Mean	------	1.1	------	1.2	------	2.2	------	2.9	------	2.5	------	1.5	5.8	----------	----------	5.7	----------	----------

DAGUPAN.

[$\phi = 16° 03'$ N; $\lambda = 120° 20'$ E; barometer above sea, 2.7 meters; gravity correction not applied, —1.67 mm.]

JANUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.92	60.52	61.34	59.29	59.95	60.80	20.9	20	29.8	28.6	26.5	25.4	31.9	19.7	94	98	71	80	86	89	
2	60.39	60.95	61.80	59.50	60	61.25	22.3	21.6	29.7	29.2	26.5	23.7	32.2	21.2	96	99	67	70	82	89	
3	60.87	61.59	62.84	60.04	60.40	61.84	21.7	21.1	26.2	28.4	26.6	23.7	31.3	20.8	93	95	76	70	72	81	
4	61.47	61.66	62.58	60.16	60.75	61.36	22.7	22.6	29.6	30	27.5	24.3	32.9	22.3	87	89	70	65	77	85	
5	61.22	61.43	62.20	59.47	59.89	60.74	22.9	21.5	30.4	31	26.8	23.5	34.1	21.3	89	92	60	65	82	85	
6	60.72	61.63	61.77	59.33	59.98	60.82	21	19.8	29.5	30	26.6	23	33.3	19.4	94	96	58	64	86	91	
7	60.54	61	61.38	59.07	59.58	60.73	21.3	20	29.5	31	27	24	34	19.5	93	95	63	65	67	79	
8	60.75	61.25	61.03	58.38	59.94	60.79	21.8	22.2	29.5	31.5	27	23.7	33.5	21.1	90	91	68	60	77	88	
9	59.95	61.13	61.43	58.92	60.38	60.89	22	20	29	31.7	26.5	24.6	32.7	19.5	93	98	68	59	86	89	
10	60.44	61.20	62.13	59.82	61.04	62	24	22.9	27.4	28.6	25.7	24.8	29.4	22.5	91	92	81	77	87	98	8.1
11	61.38	62.14	63.30	60.08	61.25	62.16	23.3	22.6	29	29.8	26.2	25.2	32.8	22.3	98	99	78	75	90	93	
12	61.30	62.04	63.43	60.64	61.77	63.02	22.5	21.5	28.6	30	27.1	26	30.9	21.3	96	99	77	74	87	92	
13	61.95	62.20	63.29	59.90	60.76	62.73	23.4	22.5	28.8	33.4	27.6	25	34.4	22.1	96	97	76	63	84	86	
14	62.46	62.54	63.68	60.89	61.12	62.34	23.6	22.4	29.6	30.6	26.4	25	33.3	22	91	95	74	69	88	90	
15	61.90	62.26	63.43	60.77	61.09	62.94	22.9	21.2	29.3	31.2	27.1	26	33.2	20.9	94	98	68	64	87	89	
16	63.13	63.34	64.13	61.78	61.92	63.29	22.7	21.6	29	30.7	26.5	26.1	31.9	21	94	96	61	56	77	86	
17	62.58	63	64.17	61.79	61.90	63.45	22.6	21	29.5	31	27.2	24.1	32.8	20.7	91	94	61	59	78	86	
18	62.73	63.20	64.16	61.16	61.48	62.98	22.1	21	29.5	31	27.1	26	33	20.6	90	92	66	59	81	88	
19	62.70	63.36	64.37	62.03	62.34	63.69	23.3	21.2	29.4	30.6	26.6	24.4	33.7	20.8	92	96	66	65	84	84	
20	63.05	63.32	64.39	61.49	61.54	63	22.1	20.8	29.3	32.2	26.9	24.5	33.5	20.4	88	88	61	57	80	78	
21	62.57	63.10	64.17	61.49	61.89	63.20	20.8	19.4	28.2	30.6	26.1	24.5	31.4	19	94	97	68	58	81	89	
22	62.50	62.50	63.48	60.86	61.49	62.30	21.4	19.5	28.4	32.6	26.6	24.1	33.5	19.1	93	97	64	48	83	87	
23	61.86	62.33	63.65	61.10	61.21	62.51	21	19.2	28.4	30	26	22.4	32.1	18.8	91	96	58	59	76	92	
24	62.72	63.20	64.17	61.19	61.37	62.75	19.6	18.4	27.4	33	26.2	25.2	33.6	17.8	95	97	68	43	78	83	
25	62.27	62.70	64.01	61.32	61.55	62.90	20.2	18.4	27.6	29.1	26.3	23.8	30.7	18.1	96	99	70	66	79	87	
26	62.31	62.67	64.21	61.47	62.24	64.17	21.7	21.4	29	30.9	26.2	23.2	33.8	20.6	93	95	71	62	83	95	
27	63.97	64.68	65.80	62.72	63	64.48	20	17.7	28.2	31	25.8	23.8	31.6	17.4	94	97	72	58	90	95	
28	63.75	64.21	64.88	61.90	62.19	63.80	21	19.3	29	29.1	26.4	24.5	30.7	19.2	97	98	67	73	84	97	
29	63.24	63.60	64.18	61.60	61.63	62.99	22.9	20.8	28.8	28.8	25.9	25.4	30.6	20.4	97	96	68	76	88	93	
30	62.28	62.61	63.89	61.50	61.86	63.21	22.2	20.8	28.1	28.3	26.2	23.3	30.2	20.5	98	99	72	81	88	97	
31	62.57	62.60	63.62	61.08	61.32	62.73	22.5	21.3	29.1	29.3	26.1	25.4	31	21	97	97	71	76	89	93	
Mean	61.92	62.39	63.32	60.67	61.19	62.45	22	20.8	28.9	30.4	26.6	24.5	32.4	20.4	93.4	95.7	68.4	65	82.5	88.8	
Total																					8.1

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SE	E	SSE	NNW	NNW	N	34.9	46.7	110.2	93.9	285.7	1		S.-Cu.	6	Ci.	Cu.
2	Calm	Calm	SSE	NW	NW	Calm	22.8	35.7	91.7	32.4	182.6	9		S.-Cu. E	5	Ci.	Cu.
3	SE	SE	SE	NNW	SE	SE	35.6	37.9	42.3	58.5	174.3	8		S.-Cu.	9	A.-Cu.	S.-Cu. E
4	SE	Calm	SE	ESE	Calm	SE	42.6	46.2	57.4	26.4	172.6	9	A.-Cu.	S.-Cu.	8	A.-Cu.	S.-Cu.
5	Calm	Calm	SSE	N	Calm	SSE	34.4	70.1	60.4	53.3	218.2	1	Ci.		1		Cu.
6	SE	SE	SE	NW	N	SW	44.8	60.1	83.9	31.2	220	1	Ci.		1		Fr.-Cu.
7	S	S	SSE	NW	SE	S	42.6	68.5	79.1	107.3	297.5	1		S.-Cu.	6		Fr.-Cu.
8	ESE	SSE	SSE	SSE	SE	S	56.6	74.8	116.2	64.6	312.2	2	Ci.-S.	S.-Cu.	7	A.-Cu.	S.-Cu. SE
9	SE	Calm	SSE	NW	NW	NNW	37.6	55.2	79.5	112.4	284.7	1	Ci.-S.	S.	3	Ci.	Cu.
10	NW	Calm	NW	NW	NW	NW	62.3	40.7	93.9	50.8	247.7	9	Ci.-S.	S.-Cu.	5	A.-Cu.	Cu.
11	SW	SE	SE	NNW	NW	Calm	30.9	45.9	99.8	59.7	236.3	9		S.-Cu.	6	A.-Cu.	Cu.
12	Calm	E	Calm	NW	NW	Calm	34.7	42.7	66.8	30.4	174.6	1		S.-Cu.	5	A.-Cu.	Cu.
13	SW	SE	SE	S	NE	S	42.9	70.6	88.3	60.7	262.5	9		S.-Cu.	4	A.-Cu.	Cu.
14	SE	SE	SE	NW	NW	NW	49.1	58.7	84.6	81.6	274	1		S.-Cu.	5		Cu.
15	SW	SE	SE	NW	NW	W	37.3	53.4	70.1	41.5	202.3	1		S.-Cu.	6		Cu.
16	SE	Calm	SE	NW	NW	NW	49.9	38.8	91.5	88	268.2	1	Ci.		1		Cu.
17	N	E	SE	N	N	SW	39.2	60.6	67.1	39.1	206	2		S.-Cu.	4		Cu.
18	Calm	S	SSE	NW	NW	NW	38.3	52.1	78.3	68.4	237.1	1		S.-Cu.	5		Cu.
19	SW	Calm	SE	NW	NW	S	26.6	49.2	81.8	42	199.6	6		S.-Cu.	5		Cu.
20	SE	S	S	NW	NW	S	55.2	70.8	62.5	60.6	249.1	4		S.-Cu.	4	Ci.-S.	Cu.
21	SE	SE	SSE	NW	NNW	S	37	39.4	77.4	51.7	205.5	1		S.-Cu.	3	Ci.	Cu.
22	SE	SE	SE	SSE	NW	Calm	48.3	80.2	93.5	51.7	273.7	1		S.-Cu.	4		Cu.
23	S	SE	SE	NW	NW	Calm	51.7	60.4	79.7	48.6	240.4	1		S.-Cu.	1		Cu.
24	E	SE	SE	S	NW	NW	32.5	38.3	75.1	69	214.9	1		S.-Cu.	1		Cu.
25	S	Calm	SE	NNW	NW	Calm	30.9	34.4	95.3	49.2	209.8	0			4		Cu.
26	Calm	SE	SSE	NW	NNW	SW	29.9	49.9	82.6	52.3	214.7	3		S.-Cu.	3		Cu.
27	SE	SE	SE	NW	NNW	NW	42.7	39.9	84.8	46.9	214.3	0			2		Cu.
28	S	SE	SE	NW	NNW	Calm	36.5	45.6	101.2	42.4	225.7	1		S.-Cu.	2		Cu.
29	S	E	SE	NW	NW	NW	34.3	56	103.2	58.5	252	3		S.-Cu.	4		Cu.
30	S	Calm	Calm	NW	NW	NW	34	36	95.9	36.7	202.6	1		S.-Cu.	6		Cu.
31	S	Calm	SSE	NNW	NW	NW	27.1	44	93.3	65	229.4	6		S.-Cu.	2		Cu.
Mean							39.5	51.7	83.5	57.3	231.9	3.1			4.1		
Total											7,188.2						

DAGUPAN.

[$\phi = 16°\ 03'$ N; $\lambda = 120°\ 20'$ E; barometer above sea, 2.7 meters; gravity correction not applied, —1.67 mm.]

FEBRUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	62.20	62.54	63.53	61.47	61.61	63.26	22.5	21.2	27.7	27	24.5	24.2	29.1	20.9	97	99	79	87	93	93	------
2	62.70	63.15	64.58	62.80	63	64.16	24	23.4	25.7	25.9	23.6	23	26.7	22.5	93	94	86	85	93	93	------
3	63.34	63.04	64.24	62.20	62.26	63.19	22.5	22.2	25	26.2	23.6	23.3	26.8	21.8	94	95	85	87	93	93	------
4	62.62	63.08	64.22	61.84	62.51	63.52	21.6	19	26.5	29	25	22.4	29.3	18.7	95	99	82	77	91	98	------
5	63.05	63.37	64.56	62.29	62.65	63.83	20.7	19.7	29.1	28.6	26.1	24	31.2	19.4	97	99	70	75	91	88	------
6	63.50	63.84	64.80	62.43	62.49	63.98	21.9	20.9	29	29.4	25.1	24.4	31.4	20.5	96	96	74	73	96	97	7.6
7	63.36	63.99	64.66	62.02	62.41	64.08	22	20	29	29	26.6	24.3	32.6	19.4	98	98	75	75	88	86	.8
8	63.81	64.15	64.61	61.88	62.10	63.44	22.4	20.7	27.6	28	25.1	24.5	29.4	20.2	95	97	68	76	91	92	------
9	63.11	63.21	63.63	61.37	61.53	63.13	23.8	22	28.2	27.6	25	24.5	30	21.5	95	99	74	83	94	95	------
10	62.19	62.49	63.34	60.22	60.13	61.69	23.8	20	28.6	28.5	25.6	24.6	31	19.7	97	99	70	78	92	97	------
11	61.25	61.60	63.10	60.34	60.94	62.19	21.7	20.3	28.6	30.8	26	25.3	31.4	19.9	98	99	66	62	92	93	------
12	61.52	61.49	61.95	58.64	59.33	60.89	22.2	20.9	29.8	31.6	27.4	24.4	35.4	20.5	97	99	60	56	74	72	------
13	60.43	60.12	61.04	57.91	58.14	60.25	22.5	21.1	30.5	34.4	26.5	25.4	34.8	20.5	82	85	51	42	83	84	------
14	59.94	60.06	61.35	58.38	58.34	60.20	22.7	20	27.5	29.7	26	25.2	30.2	19.5	90	93	75	68	84	87	------
15	59.65	59.57	60.76	58	58.54	60.86	21.7	20.5	28.5	30.7	26.6	25.2	32	20.2	96	99	71	62	83	92	------
16	60.25	60.19	61.04	58.01	58.45	60.42	21.7	21	30.5	31.4	27.5	26.2	34	20.6	97	99	62	65	83	92	------
17	59.80	60.10	61.27	58.13	58.39	60.77	25.3	22.6	30.6	33	27	25.5	34.3	22.2	96	98	68	62	89	84	------
18	59.70	60.19	61.33	59.33	59.09	61.32	23.6	23	30.3	30.9	27.8	26	33.5	22.6	95	98	71	74	86	95	------
19	60.69	61.31	62.88	60.29	60.48	62.05	24.6	22.9	31	30.1	26.7	24.2	33.2	22.7	93	91	61	77	90	83	------
20	61.57	61.50	62.15	59.48	59.94	62.25	22.8	22	30	34.2	28	24.7	34.5	21.8	88	88	57	48	65	79	------
21	61.63	61.77	62.25	60.02	59.94	61.54	23.8	23.6	30.3	30	27.6	24.6	34.3	23.3	85	83	62	70	76	85	------
22	61.26	61.80	62.47	60.43	60.44	62.11	23	23.9	30	28.3	26	25.2	33.7	22.6	95	92	71	81	92	92	------
23	61.20	61.09	61.75	59.23	59.32	60.80	23.3	20.8	30.4	30.8	25.9	24.9	34.4	20.3	94	99	66	65	86	92	------
24	59.76	60.19	60.65	57.66	58.47	60.19	22.7	22	31.2	35.2	27	25.4	35.9	21.8	94	93	63	52	92	93	------
25	59.79	60.45	61.72	58.62	58.62	60.40	22.2	21.8	30.6	35.2	27.9	24	36	20.4	89	88	59	46	82	83	------
26	59.63	60.19	61.07	58.50	59.22	60.78	22.2	21.4	30	34.6	26.8	24.4	35.7	21	89	91	59	45	84	93	------
27	59.41	59.70	60.19	57.99	58.68	60.19	22.2	20.1	30.2	35.2	26.5	24.1	35.8	19.8	95	96	64	46	84	95	------
28	59.55	59.59	61.27	57.79	58.01	59.78	21.9	21.4	29.2	29.2	27.6	26.5	33	20.4	97	98	63	66	73	80	------
29	58.93	59.11	60.58	57.79	58.43	60.03	23.6	23.1	31	30.8	27.2	25.6	34.8	22	86	85	50	63	70	85	------
Mean	61.24	61.48	62.45	59.83	60.12	61.77	22.7	21.4	29.2	30.5	26.3	24.7	32.6	20.9	93.6	94.8	67.7	67.1	85.9	89.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	8.4

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	SW	NW	NW	NW	25.2	48.1	153.1	152.7	379.1	2	----------	S.-Cu.	6	----------	Cu. NW
2	NW	NNW	NNW	NW	NW	NNW	113.2	144.6	188	168.8	614.6	9	----------	S.-Cu. NNW	5	----------	Fr.-Cu.NW
3	NNW	NNW	NW	NW	NW	NW	146.4	96.8	132.3	86.4	461.9	7	----------	S.-Cu. NNW	4	A.-Cu.	Cu.
4	Calm	NW	NNW	NW	NW	Calm	29.6	36.5	74	31.2	171.3	1	----------	S.-Cu.	6	----------	Cu.
5	S	S	SE	NW	NW	SW	32	48	72.9	35.7	188.6	1	----------	S.-Cu.	9	A.-Cu.	S.-Cu. SE
6	Calm	SE	SE	NNW	NW	NW	39.4	42.4	110.3	64.2	256.3	6	----------	S.-Cu. S	5	A.-Cu.	Cu.
7	E	SE	SSE	NNW	NNW	SW	34.9	72.4	86.4	34.7	228.4	9	----------	N.	6	----------	Cu.
8	SE	SE	Calm	NW	NW	NW	41	46.5	107.6	118.9	314	7	A.-Cu.	S.-Cu.	8	Ci.-S.	Cu.
9	N	NE	W	NW	NW	NW	42.6	42.1	127.3	89.1	301.1	9	----------	S.-Cu. SE	7	Ci.-S.	Cu.
10	Calm	Calm	SE	NNW	NW	NW	31.1	47.2	114.3	67.1	259.7	3	Ci.	S.-Cu.	3	Ci.	Cu.
11	Calm	SW	SE	NW	NW	NW	29.6	38.6	107.5	91.7	267.4	0	----------	----------	3	----------	Cu.
12	N	E	SSE	NW	NNW	SE	36	70.6	72.1	47.2	225.9	0	----------	----------	5	----------	Cu.
13	SE	SE	SE	SE	N	NW	60.1	90.7	85.5	69.5	305.8	0	----------	----------	1	----------	Cu.
14	Calm	W	Calm	NW	NW	NW	25	32.5	107.5	104.3	269.3	0	----------	----------	2	----------	Cu.
15	E	E	SSE	NW	NW	NW	35.2	36.5	96.4	56	224.1	9	----------	S.-Cu. S	3	Ci.	Cu.
16	Calm	NW	SE	NNW	WNW	NW	19.5	42.7	104.9	87.8	254.9	1	Ci.	----------	4	----------	Cu.
17	SW	SW	SSE	NW	NW	SW	29.6	43.8	105.9	64.7	244	1	Ci.	----------	4	----------	Cu.
18	SE	Calm	S	NNW	NW	Calm	23.1	49.6	83.7	26.9	183.3	6	Ci.	S.-Cu.	6	A.-Cu.	Cu.
19	S	SE	SE	NW	NW	SSE	66.2	73.7	99.5	80.5	319.9	2	----------	S.-Cu.	4	----------	Cu.
20	S	SSE	SE	SE	SE	S	101.1	111.9	118.6	118.3	449.9	1	Ci.	S.-Cu.	2	Ci.	Cu.
21	S	S	SSE	NNW	SE	S	65.3	69.8	99.1	69	303.2	9	----------	S.-Cu. SE	6	A.-Cu.	S.-Cu.
22	Calm	Calm	S	NNW	NW	NW	25.4	41.1	138.1	158.7	363.3	9	----------	S.-Cu. SE	9	----------	S.-Cu. SE
23	NW	NW	SE	NNW	NW	Calm	45.9	67.3	121	59	293.2	0	----------	----------	4	----------	Cu.
24	S	SE	S	S	N	Calm	50.4	91.4	91.4	44.4	277.6	2	Ci.	S.-Cu.	3	Ci.	Cu.
25	SE	SSE	SSE	SSE	N	SW	55.2	89.1	85.8	36	266.1	5	A.-Cu.	S.-Cu.	2	Ci.	Cu.
26	SE	SE	SE	SSW	NW	W	63.3	87.8	84.3	58.1	293.5	6	Ci.	----------	2	Ci.	----------
27	SE	SE	SSE	SSE	NNW	NW	62.3	98.4	106.5	54.2	321.4	1	Ci.	----------	1	----------	Cu.
28	E	E	Calm	NNW	NW	NW	28.8	29.6	102.5	88.2	249.1	0	----------	----------	6	----------	Cu.
29	SSE	S	SE	NNW	NW	NW	65.7	105.4	117.3	63.1	351.5	1	Ci.	----------	1	----------	Cu.
Mean	------	------	------	------	------	------	49.1	65.3	106.7	76.8	297.9	3.7	----------	----------	4.4	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	8,638.4	----	----------	----------	----	----------	----------

DAGUPAN.

[$\phi = 16° 03'$ N; $\lambda = 120° 20'$ E; barometer above sea, 2.7 meters; gravity correction not applied, —1.67 mm.]

MARCH, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.57	60.27	61.25	57.98	59.12	61.25	21.6	19	31	35.4	27.5	24.7	36.6	18.7	89	92	49	40	79	86	------
2	60.50	61.05	62.16	59.42	59.43	61.53	22	20.3	32	30.5	27.6	24.3	35.9	20	91	93	43	66	73	74	------
3	61.03	61.31	62.72	59.96	60.03	61.23	22.6	22.6	32.4	36	27.2	26.4	36.7	21.8	80	80	50	46	84	87	------
4	60.74	61.41	62.39	59.70	59.46	60.73	23.9	22.6	31.7	35.8	29.8	26.1	36.4	22.4	91	92	60	51	60	76	------
5	59.85	60.35	61.34	58.67	58.84	60.77	23	20	30.5	36.2	27	24.7	36.9	19.6	86	94	54	38	84	92	------
6	60.31	60.74	61.32	58.61	59.14	61.29	22.8	20.8	30.4	30.2	26.8	25	36	20.5	93	93	60	73	87	95	------
7	60.35	61.06	62.24	59.36	59.60	61.25	22.4	20.8	31.4	30.4	27	25.2	34.3	20.3	96	97	53	69	89	97	------
8	60.68	61.20	62.09	59.42	59.86	61.70	23.2	22.5	31.5	33	28.4	27.1	37.4	22	92	91	60	62	80	88	------
9	61.43	61.81	62.82	59.97	59.73	61.24	24.3	22.3	31.8	33	27.5	26.5	36.1	21.8	89	92	53	55	81	86	------
10	60.83	61.39	62.57	59.10	59.03	60.63	24.8	23.3	31	35.6	28.8	27.2	36.6	22.9	88	90	60	46	81	89	3.8
11	59.90	60.35	61.08	58.08	58.04	58.70	22.5	20.3	29.4	31	26.8	26.1	33	20.1	96	93	61	62	83	91	------
12	58.16	58.27	59.43	56.97	57.03	58.39	23	21.2	30.4	32.2	27.4	26.5	33.4	21	95	97	64	54	78	82	------
13	57.99	58.76	60.03	57.43	57.35	59.24	23.2	21.3	29	30.9	27.6	26.9	32.2	21.1	94	98	72	65	81	85	------
14	58.81	59.41	61.15	58.29	58.19	60.07	25.6	22.1	29	30.4	27.8	25.5	31.2	21.9	87	96	74	68	80	88	------
15	59.53	59.84	61.29	58.71	59.05	60.39	22.8	22	32	31.7	27.8	27	34.6	21.8	97	97	63	68	84	86	------
16	59.78	60.20	61.84	59.36	58.83	60.92	26.2	23.7	29	30.1	27.3	26.7	30.7	23.4	87	93	74	79	87	89	------
17	60.14	60.86	62.98	59.89	59.38	61.60	25.2	23.6	28.5	29.4	26.5	26.1	30.4	23.3	90	93	75	79	70	91	------
18	60.88	61.31	62.21	59.87	60.23	61.90	25.4	23.9	31	29.9	27.2	25	32.9	23.4	93	96	63	77	87	82	------
19	61.23	61.72	62.74	59.99	60.30	62.23	23.8	23.2	31.5	30.2	27.6	26	35	22.7	84	84	54	74	79	77	------
20	61.40	61.67	61.98	59.34	59.90	62.47	23.2	21.5	31.4	31.8	27.8	27	35.5	21.1	88	92	54	65	78	86	------
21	61.65	62.16	63.56	60.79	60.61	62.84	25.2	23.2	31	31.8	28.3	25.3	34.1	22.9	90	94	62	60	74	77	------
22	62.31	62.75	63.13	60.12	60.30	62.32	23.3	22.6	32.2	35.6	30.8	25.3	36.4	22.3	85	88	52	44	51	74	------
23	61.68	62.20	62.43	59.24	59.01	61.29	21.9	19.2	32.5	35.9	31.2	26.6	36.6	18.8	85	96	49	49	56	80	------
24	61.20	62	62.40	60.12	60.27	62.20	22.1	20.2	30.1	31.5	27.6	26.2	32.4	20	89	96	68	69	80	87	------
25	61.71	62.08	62.29	59.84	60.42	62.34	23.9	23.1	32.4	35.4	28.8	27.1	37.1	22.4	92	91	57	49	83	91	------
26	61.73	62.05	62.17	59.11	59.40	62.32	24	22.6	31	35.8	31	24.6	36.2	22	91	92	48	35	43	71	------
27	61.30	61.81	62.47	59.64	60.27	62.10	22.3	20.2	31.6	35.6	27.9	25.9	36.4	20	81	87	46	36	75	88	------
28	61.53	61.35	62.29	59.17	59.66	61.44	22.6	20.7	31.5	36.6	28.7	25.5	37.5	20.5	91	88	50	39	76	91	------
29	60.89	61.44	62.46	60.08	60.13	62	22.8	21.2	32.5	32.8	28.3	25.2	34.9	21	92	93	55	60	77	80	------
30	61.20	61.81	62.13	59.88	60.24	62.43	23.2	22.4	32.8	31.4	28	25.3	36.6	22	86	89	48	70	81	75	------
31	61.63	61.44	61.99	59.77	60.01	62.03	22.9	21.7	33	31.5	28	25.3	36.6	21.1	83	83	44	61	80	82	------
Mean	60.64	61.10	62.03	59.29	59.45	61.32	23.4	21.7	31.1	32.8	28.1	25.9	35.1	21.4	89.4	91.9	57.3	58.4	77.5	84.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	3.8

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	SSE	SE	NNW	Calm	29.2	70.5	80	28.8	208.5	0	------	------	2	------	Cu.
2	SE	E	SSE	NNW	N	S	38.3	79.8	98.7	40.4	257.2	2	Ci.	------	1	------	Cu.
3	SSE	SE	SE	SE	NW	W	70.5	83.4	108.1	48.5	310.5	1	Ci.	------	5	------	Cu.
4	S	SE	SSE	SSE	SE	SE	44.6	101.1	76.7	54.9	277.3	6	Ci.	S.-Cu.	7	A.-Cu.	Cu.
5	SSE	SE	SE	S	NW	W	57.4	92.8	107.6	69.4	327.2	1	Ci.	S.-Cu.	1	Ci.	Cu.
6	SE	SE	SE	NNW	NW	Calm	41.5	74.8	108.4	49.9	274.6	1	Ci.	------	4	------	Cu.
7	Calm	W	SE	NNW	NW	Calm	17	56.8	117.5	44	235.3	0	------	------	2	------	Cu.
8	Calm	SE	SE	NW	NW	W	38.3	74.9	99.5	73.3	286	1	------	S.-Cu.	4	------	Cu.
9	S	S	SE	NW	NW	Calm	35.4	54.2	100.9	58.7	249.2	2	------	S.-Cu.	7	A.-Cu.	Cu.
10	Calm	Calm	SSE	S	NW	NW	29.9	63.9	60.7	72.7	227.2	4	------	S.-Cu.	6	------	Cu.
11	SE	S	SE	NNW	NW	NW	27	48.8	106.7	59.5	242	1	------	S.-Cu.	2	------	Cu.
12	S	Calm	SSE	NW	NNW	NW	29.9	50.1	106.7	75.8	262.5	1	Ci.	S.-Cu.	3	Ci.	Cu.
13	Calm	Calm	W	NW	NW	NW	20.6	37.8	104.8	83	246.2	4	Ci.	S.-Cu.	3	Ci.	Cu.
14	NW	Calm	NW	NW	NW	Calm	30.1	50.1	111.6	49.1	240.9	5	Ci.	S.-Cu.	4	Ci.	Cu.
15	Calm	SW	SE	N	NW	NW	25.9	54.4	112.3	84	276.6	9	------	S.-Cu. SE	6	A.-Cu.	Cu.
16	E	SE	NW	NW	NW	NNW	37.9	51	144	105.9	338.8	6	Ci.	S.-Cu.	2	Ci.	Cu.
17	Calm	E	N	NW	NW	NNW	30.8	45.1	132	126.3	334.2	6	Ci.	Cu.	5	Ci.	Cu.
18	NW	Calm	SE	NNW	NW	SW	37.3	46.2	85.6	48.3	217.4	9	------	S.-Cu. N	9	A.-Cu.	Fr.-Cu.
19	S	S	SE	NW	NW	SW	71.4	63.9	101.1	56.5	292.9	8	------	S.-Cu. SE	6	------	Fr.-Cu.
20	S	SE	SE	NW	NW	NW	51.8	71.4	108.9	67.3	299.4	1	Ci.	------	4	------	Cu.
21	Calm	E	SE	NW	NNW	S	29	53.3	102	44	228.3	5	------	S.-Cu.	6	------	Cu. SE
22	S	SE	SE	SE	SE	S	51	98.5	111.6	68.1	329.2	0	------	------	2	------	Cu.
23	Calm	Calm	SSE	SE	SE	SE	26	68.4	111.5	48.6	254.5	1	A.-Cu.	S.-Cu.	3	------	Cu.
24	S	Calm	SSW	NW	NW	NW	32.4	43.5	117.5	74	267.4	0	------	------	3	------	Cu.
25	SW	S	SE	SE	NW	NW	47.2	110.8	96.8	60.1	314.9	0	------	------	6	------	Cu.
26	SW	SSE	SE	SSE	SSE	SE	49.6	119.9	131.7	36.5	337.7	0	------	------	1	------	Cu.
27	SE	SE	SSE	SE	NW	NW	43.1	90.4	104.1	46	283.6	0	------	------	1	Ci.	Cu.
28	SW	S	SE	SSE	NW	Calm	40.5	74.3	90.4	32.2	237.4	0	------	------	1	------	Cu.
29	W	S	SE	NW	NNW	SW	24.6	64.2	118	40.5	247.3	0	------	------	5	------	Cu.
30	S	SE	SE	NNW	NW	S	38.3	85.5	110.8	43.7	278.3	0	------	------	5	------	Cu.
31	SE	S	SE	NNW	NW	SW	35.4	96.4	114.1	52.4	298.3	0	------	------	5	------	Cu.
Mean	------	------	------	------	------	------	38.1	70.2	105.8	59.4	273.6	2.4	------	------	3.9	------	------
Total	------	------	------	------	------	------	------	------	------	------	8,480.8	----	------	------	----	------	------

DAGUPAN.

[$\phi = 16°\ 03'$ N; $\lambda = 120°\ 20'$ E; barometer above sea, 2.7 meters; gravity correction not applied, −1.67 mm.]

APRIL, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.91	61.15	61.82	58.52	59.32	61.49	23.6	22.3	32	36.6	28.5	26.6	37.3	22.1	85	86	51	39	74	68	------
2	60.99	61.65	61.62	58.76	59.67	61.79	23.5	22	32.2	36.1	28.5	26.2	37.1	21.7	82	89	51	42	78	79	------
3	60.90	61.24	61.84	59.43	59.30	60.77	23.8	22.3	32.6	32.4	28.1	26	35.8	22	85	90	54	58	81	87	------
4	60.43	60.42	60.81	57.67	58.37	60.23	24.6	24	32.9	36.6	28.5	27	37.4	23.6	80	81	44	39	83	90	------
5	60.23	60.14	60.71	58.57	58.74	60.42	24.1	22	32.5	32.3	28	27.3	34	21.6	90	92	47	52	79	84	------
6	59.98	60.20	60.96	58.82	58.80	61	25.9	24.2	31.3	30.6	27.8	27.4	31.7	24	85	86	63	68	88	89	------
7	60.34	60.33	61.53	58.56	58.98	61.04	26.3	24.6	31.8	35.8	29.5	26.9	36.6	24.3	91	92	58	44	78	86	0.3
8	60.28	60.33	61.06	58.68	59.33	61.04	24.4	23.9	32.1	32.8	28.2	27.4	34.9	23.6	97	98	64	64	86	87	------
9	60.27	60.80	61.53	59.22	59.87	61.94	25.3	23.9	32.1	32.8	28.1	27.6	34.1	23.5	93	97	64	64	87	89	------
10	61.29	61.79	62.48	60.11	60.31	62.20	27.3	25.9	32.8	31.8	28.4	28.1	33.3	25.7	89	92	67	74	88	91	------
11	61.60	61.91	62.36	60.11	60.53	62.66	27.2	25.1	33.6	35.4	28.8	28.1	35.9	24.8	92	94	62	52	86	89	------
12	62.29	62.29	62.81	60.73	60.89	62.68	25.8	24.5	32.2	31.1	28.4	26.9	33.1	24.1	93	96	68	73	89	75	------
13	62.70	62.89	63.38	61.10	62.04	63.81	26	24.8	34	35.2	28.4	27.6	36.9	24.4	80	83	59	54	89	91	------
14	63.03	63.45	63.31	60.10	60.31	62.59	24.3	22.5	33.1	33.5	29.4	27	37.4	22.2	92	93	62	64	85	80	------
15	61.88	62	62.27	59.47	59.88	62.05	25.7	24.5	33.2	35.4	30	25.7	36.9	24.2	84	88	63	57	80	87	------
16	60.89	61.16	62.23	59.76	59.92	61.65	25	23.6	33.1	31	27.9	27.6	33.6	23.2	90	91	65	72	87	89	5.1
17	60.80	61.30	61.61	58.92	59.58	61.43	25.8	22.6	32.2	33.6	28.2	27.2	36.6	22.4	92	99	59	64	91	94	------
18	60.80	61.17	61.58	59.02	59.23	60.89	24.5	23.6	32.5	33.7	28.4	27.5	35.7	23.3	87	88	50	49	82	82	------
19	60.62	60.53	61.13	58.17	58.91	60.43	27	24.7	32.8	35.5	28.6	27.6	37.4	24.5	84	86	58	45	84	87	------
20	59.52	59.71	61.02	58.16	58.70	60.46	26.6	24.3	33.2	36.6	29.6	26.7	37.5	23.9	87	88	59	47	82	77	------
21	59.60	59.74	59.97	57.79	58.10	60.46	25.5	24.3	33.1	37.4	30.3	28	38.6	23.9	80	85	52	41	74	88	------
22	59.83	60.30	60.36	57.84	58.23	60.07	24.6	23.4	33.4	37.5	29	27.8	39	23	90	90	56	43	85	92	------
23	59.43	59.73	59.52	57.24	57.67	59.52	24.9	23.9	33.4	37.8	29.6	28.1	39.3	23.4	94	94	55	47	84	90	------
24	59.17	59.36	59.53	57.03	57.44	59.41	24.9	23.4	33.7	34.4	29.2	28	37.4	23	91	92	54	55	80	89	------
25	58.75	59.13	59.42	56.62	57.53	59.79	25.7	24	33.5	37.5	29.4	28.5	38.3	23.5	91	93	52	42	79	88	------
26	58.99	59.55	60.26	57.68	58.09	59.61	26.6	24.1	32.8	35	29	28.2	35.3	23.5	85	82	54	51	82	85	------
27	59.22	59.31	59.73	57.32	58.27	60.32	27.4	25.3	33.6	38.3	29.2	28.4	39	24.9	87	81	51	38	81	89	5.1
28	60.05	60.31	60.37	57.32	57.53	59.86	24.3	23.6	33.5	34.6	29.4	28.3	38.7	23.2	91	93	53	56	81	85	------
29	58.73	59.15	59.38	56.09	56.44	58.40	27.4	25.5	34.2	38	29.2	28.5	38.7	25	88	87	56	44	83	87	------
30	57.50	57.68	58.18	55.49	56.04	57.84	27.7	27	33.5	31.2	29.6	29	34.4	26.7	91	92	58	77	84	85	------
Mean	60.37	60.62	61.09	58.48	58.93	60.86	25.5	24	32.9	34.7	28.8	27.5	36.4	23.6	88.2	89.9	57	53.8	83	86	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	10.5

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SE	S	SSE	S	NW	S	78.1	88	93.6	55	314.7	0	----------	----------	1	----------	Cu.
2	SE	SE	SE	SSE	NW	SW	53.7	70.1	97.9	58.8	280.5	1	----------	S.-Cu.	5	----------	Cu.
3	S	S	SE	NNW	NW	SW	30.1	64.6	125.2	59.3	279.2	3	Ci.	S.-Cu.	4	----------	Cu.
4	S	SE	SE	SSE	N	N	71	111.2	114.9	51	348.1	1	----------	S.-Cu.	1	Ci.	Cu.
5	Calm	Calm	SSE	NNW	NW	NW	29.3	54	122	117.5	322.8	0	----------	----------	3	Ci.	Cu.
6	N	Calm	NW	NW	NW	NW	37	56.6	138.2	84.3	316.1	4	Ci.	S.-Cu.	2	----------	Cu.
7	SW	Calm	SSE	S	NW	W	23.4	75.4	100.4	81.4	280.6	9	----------	S.-Cu.	4	----------	Cu.
8	E	Calm	SSE	NNW	NW	NW	28.3	39.7	115.6	65	248.6	9	----------	S.-Cu.	4	----------	Cu.
9	Calm	Calm	SE	NNW	NW	NW	20.1	53.4	117.5	118.9	309.9	1	Ci.	S.-Cu.	2	----------	Cu.
10	NW	Calm	SE	NW	NW	NW	71	49.9	132.3	97.2	350.4	1	Ci.	----------	1	Ci.	Cu.
11	SE	SE	SSE	NW	NW	NW	43.1	79.8	114.1	68.2	305.2	0	----------	----------	2	----------	Cu.
12	Calm	Calm	NW	NNW	NW	SE	20.4	55.8	109.6	68.4	254.2	1	----------	S.-Cu.	7	A.-Cu.	S.-Cu. NE
13	SE	SE	SE	SE	NW	NW	80.7	109.6	121.2	61.5	373	1	Ci	S.-Cu.	8	----------	Cu.
14	S	SE	SE	NNW	N	S	45.1	73.7	94.1	52.9	265.8	1	Ci.	Cu.	5	----------	Cu.
15	S	S	SE	SE	NW	S	41.5	83.7	68.7	52	245.9	2	Ci.	S.-Cu.	7	A.-Cu.	Cu.
16	S	SE	SE	NNW	NW	NW	28.7	69.8	132.9	95.9	327.3	7	Ci.	S.-Cu. SE	4	----------	Cu.
17	SE	SE	SE	NW	NW	Calm	43.5	61.7	85.8	48.6	239.6	1	Ci.	S.-Cu.	6	A.-Cu.	Cu. NE
18	S	SE	SSE	NW	NNW	NW	57.4	78.5	109.1	107	352	5	Ci.	S.-Cu.	7	A.-Cu.	Cu. NE
19	NW	S	SE	SSE	NNW	NW	41.8	78.9	98.7	87.1	306.5	4	----------	S.-Cu.	6	----------	Cu. NE
20	S	S	SE	SE	NNW	SW	52.9	108.7	96.4	37.5	295.5	1	Ci.	S.-Cu.	8	A.-Cu.	Cu. SE
21	S	SE	SE	SE	NW	Calm	60.8	109.6	89.9	53.9	314.2	0	----------	----------	3	----------	Cu.
22	S	S	SE	S	NW	Calm	45.1	99.1	92.8	71.1	308.1	0	----------	----------	1	----------	Cu.
23	SW	SW	SE	S	NW	Calm	35.6	111	107.8	58.2	312.6	1	----------	S.-Cu.	7	A.-Cu.	Cu.
24	S	S	SE	NW	NW	Calm	49.9	81.6	119.6	62	313.1	0	----------	----------	2	----------	Cu.
25	S	Calm	SE	S	NW	NW	31.9	97.2	96.1	73.2	298.4	1	Ci.	S.-Cu.	7	----------	Cu. SSE
26	SW	SE	SE	NW	NW	NW	35.6	64.1	111	100.9	311.6	8	Ci.	S.-Cu.	2	----------	Cu.
27	W	S	SE	SSE	N	N	50.4	117.5	97.7	63	328.6	0	----------	----------	2	----------	Cu.
28	Calm	S	SSE	NW	NW	NW	40.7	68.9	104.4	91.7	305.7	0	----------	----------	2	----------	Cu.
29	NW	Calm	SE	SSE	NW	NW	----	62.57	118.3	75.9	------	1	----------	Cu.	5	----------	Cu. SE
30	W	Calm	SE	NW	NNW	NW	23	55	121.5	101.1	300.6	8	A.-Cu.	S.-Cu. SE	5	Ci.-S.	Cu.
Mean	------	------	------	------	------	------	43.8	77.7	108.2	74	303.8	2.4	----------	----------	4.1	----------	----------

DAGUPAN.

[$\phi = 16° 03'$ N; $\lambda = 120° 20'$ E; barometer above sea, 2.7 meters; gravity correction not applied, −1.67 mm.]

MAY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.18	57.58	58.32	55.53	56.38	58	28.4	26.9	32	34.6	29.2	28.2	37.4	26.4	86	90	69	63	89	91	.....
2	57.47	57.82	58.72	56.90	57.18	59.14	26.7	25.4	34.1	33.7	30	29	35.9	25.1	94	95	53	61	79	82	.....
3	59.50	59.95	60.16	58.20	59.01	60.77	26.8	25.7	33.5	35.3	29.6	29	37.8	25.3	84	85	55	49	81	86	3
4	60	60.44	60.99	58.42	58.54	59.59	28.5	25.5	32.6	32.2	29.2	28.7	34.2	25	86	97	66	68	84	84	.....
5	59.20	59.43	59.53	57.09	57.56	58.77	28	26.8	32	35.6	29.6	27.5	37.5	26	85	87	67	56	83	89	.....
6	58.04	58.38	58.71	56.83	57.46	58.89	26.5	25	31	32.6	29.3	28.3	34	24.6	92	97	74	71	84	85	.....
7	58.18	58.77	59.06	57.20	57.18	58.93	25.5	24	31.3	32.2	29.6	28.5	34.1	23.8	95	98	69	66	81	88	.....
8	58.22	58.60	59.73	58	57.61	59.21	27.6	26.3	31.4	30.2	29.7	28.2	32.5	25.8	90	94	70	80	83	88	.....
9	58.13	58.06	58.57	56.50	57.28	59.85	27.5	24.8	32.6	33.3	29.6	24.5	34.1	23	91	98	65	64	88	99	71.1
10	58.84	59.12	59.63	57.64	58.48	59.98	24.8	24.5	32	35.6	29.7	27.4	37	24.2	95	96	57	47	79	89	4.6
11	59.30	59.84	60.27	57.79	58.45	59.58	25.2	24.2	32.2	36	30.1	28.8	37.2	23.9	90	91	59	48	76	75	.....
12	58.55	59.20	59.77	57.34	57.82	59.03	25.9	24.7	33	34.2	29.7	29	36.4	24.2	89	92	61	61	80	83	.....
13	57.87	58.45	59.08	57.20	57.11	58.09	28.4	26.1	32.6	32.2	30	28.8	33.9	25.8	85	94	62	65	75	81	.....
14	57.45	58.04	59.26	57.35	57.08	58.53	27.8	27	32.6	33.9	29.8	29.1	34.6	26.3	84	87	62	55	79	77	.....
15	57.78	58.54	59.42	57.27	56.88	58.78	27.5	25.3	32.4	34.2	31.4	28.8	35	24.8	81	88	62	51	65	80	.....
16	58.01	58.06	59.11	57.39	56.57	58.22	27.6	24.2	32.6	33.6	30.7	28.8	34.9	23.7	81	85	62	56	72	80	.....
17	57.39	58.20	59.21	57.21	56.71	58.39	28	25	31.8	33	31.4	28.8	34.6	24.5	83	89	70	64	62	80	.....
18	58.08	58.55	59.38	57.51	57.68	58.89	26.3	24.5	33.8	32.7	29.6	29.4	35.7	24	88	92	63	66	82	83	.....
19	58.37	58.69	58.91	57.14	57.53	58.30	28.1	26.2	33.6	33.7	28.3	27	35.1	25.6	88	94	58	60	88	89	.5
20	57.99	58.08	58.12	56.31	56.38	57.43	25.5	24.8	33.8	32.7	29.8	28.7	36	24.3	91	93	46	61	82	84	.....
21	57.69	58.32	58.74	56.80	57.34	58.88	25.9	25	33.5	32.2	29.5	29	34.4	24.6	88	91	61	69	80	78	.....
22	58.30	58.26	58.68	56.90	57.22	58.68	26.1	25	31	32.5	29.9	28.8	33.2	24.5	89	95	67	67	77	78	.....
23	57.90	58.36	58.71	56.29	57.96	58.93	28.1	25.1	32.1	34	29.1	28.9	35.3	24.6	81	91	64	66	79	76	.....
24	58.19	58.13	58.24	56.21	56.43	58.03	25.8	25	32.4	33.4	30.2	29.1	34.4	24.4	92	96	66	68	78	81	.....
25	57.56	57.76	57.37	54.84	55.99	57.15	26	25.4	32.9	34	29.5	27	35.3	25	94	95	64	60	84	90	.....
26	56.11	56.61	57.43	56	56.54	57.45	25.6	24.8	32.5	31.8	27.8	28.6	34	24.4	92	97	65	70	94	88	41.2
27	57	57.02	57.55	56.12	57.05	58.10	25.7	25.2	31.4	32.4	28	28.5	33.6	24.8	98	99	75	75	85	89	.3
28	57.38	57.95	58.39	56.76	57.43	59.26	25.2	24.7	32.4	35	30.2	28.7	36.5	24.4	98	98	71	60	78	84	.....
29	58.30	58.78	59.23	57.04	57.62	59.63	26.2	25.1	34.2	33.8	30	26.8	36.2	24.7	92	98	64	70	84	99	17.3
30	58.60	58.57	59.13	56.56	56.76	58.70	25.4	25	33	34	31.7	25.3	36.6	24.5	99	98	73	72	78	88	38.6
31	58.16	58.30	59.10	57.01	56.94	58.89	25.8	24.5	31	31.6	30.3	28.3	33.2	24	87	92	75	75	80	88	22.9
Mean	58.09	58.45	58.98	56.95	57.30	58.78	26.7	25.2	32.5	33.4	29.8	28.2	35.2	24.7	89.3	93.3	64.4	63.4	80.3	84.9	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	199.5

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.					6 a. m.			2 p. m.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	SE	SSE	NW	NW	NW	50.5	63.1	122.8	77	313.4	9	.....	S.-Cu. SE	6	.....	Cu.-N. SE
2	NW	SW	SE	NNW	NW	NW	29.8	66.3	101.1	83.2	280.4	2	.....	S.-Cu.	6	.....	Cu. SE
3	S	SSE	SE	NW	NW	NW	73.8	107.5	130.9	115.2	427.4	1	Ci.	Cu.	5	.....	Cu.
4	W	SE	S	NW	NW	NW	55	48.5	131.8	128.9	364.2	6	.....	S.-Cu.	3	A.-Cu.	Cu.
5	N	Calm	SSE	SSE	NW	NE	51.7	73.7	95.5	64.6	285.5	9	.....	S.-Cu. SE	6	A.-Cu.	Cu.-N. SW
6	Calm	S	NW	NW	NW	NW	30.3	49.9	130.9	86.4	297.5	4	A.-Cu.	S.-Cu.	3	.....	Cu.
7	Calm	W	NW	NW	NW	NW	28.5	48.8	121.5	102.5	301.3	1	.....	S.-Cu.	3	.....	Cu.
8	NW	Calm	NW	NW	N	NW	32.5	53.3	101.6	76.7	264.1	9	A.-Cu.	S.-Cu. NW	9	A.-Cu.	Cu.
9	NW	N	SSW	NNW	N	SE	33	43.7	120.7	51.5	248.9	8	A.-Cu.	S.-Cu.	6	Ci.-S.	Cu.
10	SE	SE	SE	S	N	N	44.9	85.6	88.8	69.4	288.7	8	A.-Cu.	S.-Cu. SE	4	Ci.	Cu.
11	Calm	SE	SSE	SE	NW	NW	34.9	77.7	91	89.4	293	2	Ci.	Cu.	3	.....	Cu.
12	NW	NE	SE	NW	NW	NW	32.4	46.9	106.8	104.4	290.5	1	.....	S.-Cu.	4	Ci.	Cu.
13	NW	N	NE	NW	NW	NW	51.8	49.6	121.5	72.4	295.3	7	Ci.	S.-Cu.	8	Ci.	Cu.
14	NW	NW	N	NW	NNW	NW	28.5	38.3	104.4	83.9	255.1	7	A.-Cu.	S.-Cu.	6	Ci.-S.	Cu.
15	NW	Calm	N	NW	NW	N	39.7	46.5	90.4	57.2	233.8	4	Ci.	Cu.	4	Ci.	Cu.
16	Calm	Calm	SE	NNW	NW	NW	33.5	39.9	92.5	83.2	249.1	4	Ci.	.....	8	Ci.-S.	Cu.
17	Calm	Calm	NW	NNW	NW	NW	24.1	44.3	101.7	76.4	246.5	2	Ci.-S.	Cu.	3	Ci.	Cu.
18	Calm	Calm	S	NW	NW	NW	20.1	38.6	137	77.5	273.2	6	Ci.-S.	Cu.	5	Ci.-S.	Cu.
19	Calm	NE	Calm	NW	NE	Calm	26.9	48.3	112.7	30.3	218.2	1	Ci.	Cu.	4	.....	Cu.
20	Calm	Calm	S	NW	NW	NW	31.5	44.8	118.8	71.6	266.7	3	A.-Cu.	S.-Cu.	8	A.-Cu.	Cu.
21	Calm	NE	S	NW	NW	NW	33	45.7	121.3	76.1	276.1	6	Ci.	Cu.	8	Ci.-S.	Cu.
22	Calm	NE	NW	NW	NW	NW	26.3	52.8	130	94.6	303.7	4	A.-Cu.	S.-Cu.	4	Ci.-S.	Cu.
23	NE	E	SE	NW	NNW	NW	35.9	36.8	134.1	60.7	267.5	4	Ci.	Cu.	6	Ci.-S.	Cu.
24	E	E	Calm	NW	NW	NW	39.2	39.5	131.7	76.7	287.1	5	Ci.	S.-Cu.	5	Ci.-S.	Cu.
25	SE	SE	Calm	NW	NW	W	49.7	49.1	122.3	70.1	291.2	3	Ci.-S.	Cu.	4	Ci.-S.	Cu.-N.
26	SE	Calm	N	W	W	NW	45.6	51.7	74.8	61.2	233.3	5	A.-Cu.	S.-Cu.	9	A.-Cu.	Cu.-N.
27	SE	SE	W	NW	N	NW	34.3	39.1	119.3	56.5	249.2	6	Ci.-S.	Cu.	7	A.-Cu.	Cu.-N.
28	SE	SE	SE	SE	NW	W	40.5	60.6	87.8	63.3	252.2	8	Ci.-S.	S.-Cu.	8	A.-Cu.	Cu.-N.
29	SE	S	SE	W	NW	SW	48.8	55.3	120.2	50.7	275	4	Ci.-S.	Cu.	5	.....	Cu.
30	S	SE	SE	WNW	NW	NW	31.2	48.6	95	81.8	256.6	2	Ci.	Cu.	6	.....	Cu.
31	Calm	SE	Calm	NW	WNW	Calm	44.8	46.7	81.9	45.7	219.1	9	A.-Cu.	S.-Cu. SE	9	A.-Cu.	Cu.
Mean	.....	.....	.....	.....	.....	.....	38.2	52.9	111	75.5	277.5	4.8	.....	.....	5.6	.....	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8,603.8	.....	.....	.....	.....	.....	.....

DAGUPAN.

[$\phi = 16°\ 03'$ N; $\lambda = 120°\ 20'$ E; barometer above sea, 2.7 meters; gravity correction not applied, —1.67 mm.]

JUNE, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.81	58.03	58.37	57.22	59.04	59.69	25.3	24.9	32	29	24.2	23.8	35.2	23.5	97	98	70	78	99	99	60.4
2	59.18	59.57	59.77	57.55	58.16	59.53	23.4	23.6	32.7	36.2	30.2	27.2	37	23.2	99	99	68	55	80	90	------
3	59.06	59.26	59.46	57.23	57.77	58.78	25.5	25	33.5	36.7	29.7	27.1	37.6	24.6	94	96	69	52	84	89	------
4	58.20	57.74	57.73	56.04	56.45	58.52	25.2	24.5	33	36.6	30.5	27	37.7	24	95	96	69	53	77	85	------
5	57.63	57.25	58.17	56.43	57.27	58.99	25.4	24.7	31.1	31.6	28.2	25.7	35.1	24.3	95	97	73	70	87	89	------
6	58.34	58.23	57.88	55.89	56.20	58.51	24.7	24.3	33	33.6	30.4	29	37	24	94	96	67	60	76	82	5.1
7	58.06	57.95	57.84	55.43	56.02	58.04	26.6	25	33	34.8	31.1	26.5	37.3	24.5	87	95	63	59	75	86	------
8	57.15	57.55	57.67	56.45	56.63	58.40	24.8	24.4	32.6	32.6	28.6	25.5	34.3	24	92	93	63	65	88	95	4.1
9	57.70	57.78	58.01	56.64	57.13	59.07	24.6	24.2	32.1	32.6	30.2	27.2	34.3	23.9	96	97	68	67	67	84	------
10	58.03	58.71	58.52	56.24	56.57	58.57	25.2	24.6	32.9	35.4	31	29.5	36.2	24.1	92	97	65	54	69	81	------
11	58.04	58.14	58.87	56.39	56.93	58.84	27.2	25.4	33.5	37.1	27.5	27.2	37.7	25	86	92	65	52	87	90	------
12	58.49	58.51	58.96	55.59	56.37	59.28	25.8	25	33.5	33.1	29.6	24.1	34.9	23.5	93	96	65	67	84	99	63.7
13	58.52	58.33	58.83	56.45	57.04	58.96	24.4	24.4	30	33.6	27	25.8	34.7	23.8	99	99	81	68	89	98	3
14	58.26	58.51	58.61	56.76	57.13	59.53	24.9	24.6	28.8	31.5	28.5	24.4	33.1	23.8	98	99	85	75	88	97	13.7
15	57.57	57.66	57.66	56.28	57.13	57.45	23.7	23.6	30.2	32	29.4	26.9	34.9	23.4	98	99	77	74	79	95	3
16	56.67	56.31	57.14	56.33	56.12	56.68	25.1	24.7	31.9	30.6	29.8	27.4	34.4	24.5	98	98	73	77	77	92	------
17	56.01	56.25	56.28	54.98	54.76	56.70	25.5	25	31.7	32.8	31	28.6	34.2	24.7	96	98	72	68	77	82	------
18	56.19	56.55	56.95	55.80	56.47	57.53	26	25.3	31.2	31.2	29.4	28.1	33.7	25	95	98	74	77	84	90	2.3
19	56.50	56.77	56.62	55.51	55.96	57.08	25.8	25.2	32.2	29.6	27.2	26.3	33.8	25	96	98	67	77	87	93	7.6
20	56	56.43	56.53	55.32	55.81	57.33	25.4	25	31.4	31.6	29.5	26.5	33.9	24.6	96	98	73	72	81	88	1
21	55.64	56.22	56.75	56.12	56.23	57.74	25.4	24.6	30.4	27.2	28.3	25.7	34.9	24.3	93	97	78	91	81	91	6.1
22	57.54	56.12	57.68	55.91	57.02	57.85	24.8	24	31	33.6	28.7	25.8	35.4	23.8	94	97	73	64	80	93	------
23	57.40	57.81	57.99	55.80	56.39	58.21	24.5	24.1	32.5	34.1	26.9	25.7	35.5	23.7	96	97	72	64	96	98	8.2
24	56.75	57.12	57.60	55.94	55.97	58.38	23.9	23.5	31.7	31.4	30.1	27.6	34.6	23.2	99	99	73	70	73	92	------
25	57.56	57.43	57.34	55.71	56	58.14	24.7	24.2	32.2	34.2	30.4	29	35.7	23.9	97	98	72	63	80	86	------
26	57.70	57.41	58.05	56.60	56.63	58.45	26.3	24.5	32.2	33.8	30.9	28.8	35.3	24.2	92	97	74	67	78	84	------
27	57.78	57.53	57.46	55.66	55.61	57.39	26.2	25.3	32.4	35.2	31.3	28.5	36.5	24.9	95	98	73	61	75	89	------
28	56.60	56.72	56.87	55.57	55.15	57.19	26	25.5	32.6	32	30.8	27.2	34.8	25.4	98	98	71	75	81	91	------
29	56.85	56.86	56.92	55.90	56.37	58.23	25.5	25.2	32	31.1	28.5	26.6	34.8	24.8	98	98	72	79	87	98	1.5
30	57.32	57.62	57.97	56.46	56.86	58.81	25.5	24.7	32.4	33	30.2	24.2	34.5	24	97	97	73	70	81	98	2.3
Mean	57.48	57.55	57.82	56.14	56.57	58.26	25.2	24.6	32	32.9	29.3	26.8	35.3	24.2	95.2	97.2	71.3	67.5	81.6	90.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	182

Day.	Wind. Direction.						Wind. Total movement in 6 hours.				Total movement in 24 hours.	Clouds. 6 a. m.			Clouds. 2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	E	E	NE	SSW	Calm	22.5	37.9	78.4	32.2	171	10	A.-Cu.	S.-Cu.	9	A.-Cu.	Cu.-N.
2	Calm	SE	S	S	NW	Calm	28.5	56.5	82.6	31.2	198.8	8	A.-Cu.	S.-Cu.	4	Ci.-S.	Cu.
3	Calm	Calm	SSE	S	NW	SE	23	61.2	92.6	57.6	234.4	2	Ci.	Cu.	5	Ci.-S.	Cu.
4	SE	SE	SE	SE	NW	W	48.3	74.3	78.4	76.2	277.2	7	Ci.	S.-Cu.	6	Ci.-S.	Cu.
5	SE	SE	SE	WNW	SE	SE	35.4	49.9	58.7	37.2	181.2	6	A.-Cu.	Cu.	9	A.-Cu.	Cu.-N.
6	SE	SE	SSE	W	NW	N	40.8	61.5	98.4	73.3	274	5	A.-Cu.	Cu.	8	Ci.-S.	Cu.
7	W	W	SE	W	WNW	Calm	48.6	46.5	82.9	64.2	242.2	7	A.-Cu.	S.-Cu.	8	A.-Cu.	Cu.
8	SE	SE	SE	NW	S	Calm	40.8	51.2	58.4	29	179.4	9	A.-Cu.	S.-Cu.	8	A.-Cu.	Cu.-N.
9	SE	SE	SE	S	W	Calm	37.5	61.5	65.3	44.1	208.4	6	Ci.	S.-Cu.	7	A.-Cu.	Cu.
10	W	SE	SE	SE	W	NW	28.5	62.5	86.4	71.4	248.8	5	Ci.	S.-Cu.	8	A.-Cu.	Cu.-N.
11	W	Calm	SE	SSE	N	SW	35.2	45.3	82.4	38.6	201.5	5	Ci.	S.-Cu.	6	Ci.	Cu. SE
12	Calm	SE	SE	NW	NW	S	24.6	54.4	109.4	74.9	263.3	5	Ci.	Cu.	8	Ci.	Cu.
13	Calm	S	SE	SE	N	SW	24.6	67.3	89	30.8	211.7	10	A.-Cu.	S.-Cu. SE	8	Ci.-S.	Cu.-N.
14	SE	SW	SE	SW	Calm	NE	42.9	48.8	50.7	62	204.4	10	------	N.	9	A.-Cu.	Cu.
15	S	SE	SE	E	NW	SW	46.7	71.6	62.8	36	217.1	9	------	S.-Cu.	10	------	N. SW
16	S	SE	SE	WNW	W	SW	41.3	64.4	89.1	25.7	220.5	5	Ci.	Cu.	8	A.-Cu.	Cu.
17	S	SE	E	N	NW	W	45.6	61.5	79.7	52.8	239.6	6	Ci.-S.	S.-Cu.	7	A.-Cu.	Cu.
18	SW	S	SE	N	W	NW	32.4	42.7	85.5	39.7	200.3	9	A.-Cu.	S.-Cu.	9	A.-Cu.	S.-Cu.
19	SW	S	SE	W	Calm	W	36	60.4	60.7	37.6	194.7	6	Ci.	S.-Cu.	9	A.-Cu.	Cu.-N. W
20	SE	SE	SE	N	W	Calm	42	54.4	74.3	38.6	209.3	10	A.-Cu.	S.-Cu. SW	8	A.-Cu.	Cu. SW
21	SE	SE	SE	WSW	NW	Calm	43.8	48.1	59.3	21.5	172.7	9	A.-Cu.	S.-Cu. SW	10	------	N.
22	S	SE	SE	S	SW	S	52.8	59.3	67.6	42.3	222	10	A.-Cu.	S.-Cu.	9	A.-Cu.	Cu.
23	SE	S	SE	SE	SSW	Calm	43.1	62.6	73	32	210.7	7	Ci.-S.	Cu.	9	Ci.-S.	Cu.
24	SE	S	S	WSW	W	Calm	49.9	47.6	72.4	31.7	201.6	6	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.
25	Calm	S	SE	NW	W	NW	37.6	61	72.1	48.1	218.8	5	Ci.-S.	Cu.	7	A.-Cu.	Cu.
26	SW	SE	SE	NW	WNW	NW	33	48.8	100.7	74.3	256.8	4	Ci.	Cu.	7	Ci.	Cu.
27	S	SE	SE	S	W	Calm	38.1	68.4	80	28.8	215.3	6	Ci.-S.	S.-Cu.	7	------	Cu. SE
28	Calm	S	SE	WNW	WSW	Calm	36.5	72.1	84.5	46.2	239.3	8	------	S.-Cu. SSE	6	Ci.-S.	Cu.
29	Calm	SE	SSE	SW	SE	E	36.8	65.5	81.9	36.7	220.9	5	A.-Cu.	Cu.	10	------	N.
30	SW	S	S	W	W	SE	47	49.1	71	58.2	225.3	10	A.-Cu.	S.-Cu.	9	A.-Cu.	Cu.
Mean	------	------	------	------	------	------	38.1	57.2	77.6	45.8	218.7	7	------	------	7.9	------	------
Total	------	------	------	------	------	------	------	------	------	------	6,561.2	----	------	------	----	------	------

DAGUPAN.

[ϕ=16° 03′ N; λ=120° 20′ E; barometer above sea, 2.7 meters; gravity correction not applied, —1.67 mm.]

JULY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.42	57.46	57.73	55.80	55.77	58.35	24.1	24.2	32	35	29.9	26.7	36.2	23.9	98	98	75	61	82	98	2.5
2	57.39	56.77	56.97	55.31	55.77	58.10	24.8	24.5	32	35.5	30.2	24.6	36.6	23.9	98	99	66	54	78	97	16.8
3	57.44	57.19	57.63	56.10	57.02	58.40	24	24.2	31.6	35.5	27.2	26.5	36.1	23.6	98	98	76	56	94	96	3.8
4	58	58.45	58.83	57.12	57.10	58.62	25.1	24.8	29.8	33.6	31.2	27.6	35.2	24.4	98	98	81	65	74	93	------
5	58.63	58.55	58.17	56.49	56.51	58.53	25.3	24.9	32.2	35	30.9	27	36.1	24.4	97	98	71	59	74	93	------
6	58.21	57.78	57.99	56.06	56.18	58.60	25	24.3	32.1	35.5	29.2	24.8	36.6	23.7	98	98	69	56	87	99	26.4
7	57.77	57.58	57.53	55.46	55.96	57.97	23.2	22.9	31.1	34.6	30	24	35.4	22.5	99	99	76	61	85	98	15
8	57.21	56.97	57.11	55.51	56.45	57.74	22.7	22.2	30.6	34	28.7	26.2	35	21.8	99	99	76	68	85	97	------
9	56.30	56.66	57.20	56.28	56.23	57.40	24.8	24.2	26.8	30.2	28.7	26.3	31	24	98	99	89	80	86	92	------
10	56.56	56.80	57.43	56.02	57.31	58.30	25	24.5	30.4	33.5	26.2	26.2	34.3	24.3	98	99	79	67	95	94	.3
11	57.30	57.63	58.09	56.65	57.65	58.71	25.6	24.8	32.4	33.5	27.6	24.5	35.1	23.8	95	98	70	70	87	97	.5
12	58.07	57.57	57.50	56.29	56.90	58.40	23.6	23.1	30.6	35.5	27.8	26.4	36.3	22.8	97	99	72	53	84	90	------
13	57.15	57.42	57.77	56.21	56.31	57.90	24.4	23.8	32.5	32.8	29.2	29.1	35.8	23.6	96	97	66	68	76	78	------
14	57.11	57.16	57.95	56.41	56.94	58.65	25.4	24.8	32.1	34	29.4	25	35.4	24.1	92	94	69	60	76	90	.3
15	57.55	58.06	58.39	56.01	56.79	58.71	24.4	23.9	31.5	35.2	29.2	23.7	35.8	23.3	93	96	69	56	81	97	57.4
16	57.65	57.82	58.02	56.51	57.85	58.30	23.4	23.4	31.1	32.4	23.7	23.3	34.9	22.7	99	99	74	71	97	97	6.8
17	57.25	57.37	57.83	56.08	56.70	57.65	23	22.8	29.7	34.2	25.5	25	35.4	22.5	98	99	77	62	92	92	27.4
18	57.11	56.94	56.54	55.48	54.88	55.80	24.3	24.2	27.4	31.2	28.6	26	32.2	23.7	94	97	87	75	82	97	------
19	54.71	54.55	54.79	52.94	52.59	54.15	24.6	24.3	29.8	33.5	28.9	26.8	34.6	23.8	97	97	84	72	86	91	------
20	53.45	53.69	53.98	52.31	52.82	54.10	25.2	24.9	31.4	34	27.6	25.7	35.3	24.5	95	97	71	62	91	94	------
21	53.32	53.72	54.30	53.21	53.91	55.44	25	25.1	28.5	30.2	25.6	24.9	30.6	24.3	96	96	85	85	97	97	11
22	54.61	54.86	55.05	54.30	54.35	56.07	24.4	24.5	26.9	27	26.1	25.1	29.5	23.9	98	97	87	93	94	96	9.7
23	54.57	54.86	55.95	54.20	54.70	57	23.9	24.4	27	29.6	26.6	24.6	30.3	23.5	97	97	90	84	90	97	2.6
24	55.87	55.64	56.62	55.25	55.23	57.06	24.4	24.1	27.5	30.8	26.5	24	31.5	23.7	94	96	85	71	90	96	37.2
25	56.80	56.76	57.62	55.88	56.20	58.60	24	23.5	28	30.2	26.7	25.6	32.5	23.1	97	97	79	81	88	90	3.6
26	57.19	57.17	57.98	55.97	56.33	58.09	24.6	23.8	30	32.6	28.5	24.5	34.6	23.4	95	97	72	61	82	92	------
27	56	56.66	56.80	55.68	55.40	56.27	24.2	24	30	29.2	28.5	26	31.4	23.6	97	97	74	78	82	97	------
28	56.07	54.78	56.20	54.95	54.60	56.02	25.3	24.7	24.8	25.8	26	24.7	27.2	24	98	98	97	94	92	97	12.3
29	55.55	55.18	56.54	54.87	55.95	57.42	24	23.8	27	30.9	23.9	23.7	33.5	23.4	98	99	90	71	97	99	46.1
30	56.14	56.43	56.63	55.77	55.14	56.10	23.5	23.6	27	26.6	26.2	24.4	29.2	23.2	99	99	90	95	90	97	71.1
31	55.22	55.30	56.18	54.26	53.06	55.94	24	23.7	24	27.3	25.1	23.7	29.9	23.1	98	99	98	86	98	99	198.2
Mean	56.57	56.57	57.01	55.46	55.76	57.37	24.4	24.1	29.6	32.2	27.7	25.4	33.7	23.6	96.9	97.7	78.8	70.2	86.8	94.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	549

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SE	SE	ESE	S	W	Calm	55.3	60.6	88.3	40.4	244.6	9	A.-Cu.	S.-Cu. SE	6		Cu. SE
2	SE	SE	SE	SE	W	SE	41.1	81	79.4	57.4	258.9	7	A.-Cu.	S.-Cu.	5	Ci.-S.	Cu.
3	Calm	SE	SE	SE	N	SE	30.8	58.2	88.8	31.6	209.4	6	A.-Cu.	S.-Cu. SE	8	A.-Cu.	Cu.
4	SE	SE	SE	SE	SE	NE	40.8	79.4	75.3	58.4	253.9	4	Ci.-S.	S.-Cu.	7	Ci.	Cu.
5	SE	SE	SE	S	S	E	49.6	82.6	93	59.2	284.4	7	------	S.-Cu. SE	4	------	Cu.
6	SE	SE	SE	SE	N	S	34.6	75.4	86.6	74.8	271.4	2	Ci.	Cu.	4	Ci.-S.	Cu.
7	SE	S	SSE	SE	NW	E	32	40.8	87.9	76.4	237.1	1	Ci.	Cu.	6	Ci.-S.	Cu.
8	E	SE	SE	SSE	N	Calm	44.1	70.5	85.5	34.3	234.4	8	A.-Cu.	S.-Cu. SE	9	A.-Cu.	Cu.-N.
9	Calm	S	S	SE	S	S	27	76.9	44.9	31.9	180.7	8	A.-Cu.	S.-Cu. SE	10	A.-Cu.	S.-Cu.
10	SE	S	S	SSE	Calm	SE	48.3	68.1	86.7	51.8	254.9	9	A.-Cu.	S.-Cu. SE	9	Ci.-S.	Cu.
11	SE	SE	SE	SSE	NE	SE	69.4	72.2	54.7	33.6	229.9	8	A.-Cu.	S.-Cu.	9	A.-Cu.	Cu.-N.
12	SE	SE	SE	SE	NNW	Calm	34	61	75.4	36.2	206.6	3	Ci.	S.-Cu.	7	A.-Cu.	Cu.
13	E	Calm	SE	NW	Calm	N	33.3	56.1	60.6	45.1	195.1	3	Ci.-S.	S.-Cu.	8	A.-Cu.	Cu.
14	Calm	E	SE	SE	SW	SE	24.7	74	72.6	49.1	220.4	6	Ci.-S.	S.-Cu.	8	A.-Cu.	Cu.
15	SW	SE	SE	SSE	NW	S	45.4	75.3	92	56.9	269.6	9	A.-Cu.	S.-Cu.	8	Ci.-S.	Cu.
16	E	SE	SE	NW	S	Calm	34.9	52.9	84.3	21.8	193.9	9	A.-Cu.	S.-Cu.	9	A.-Cu.	Cu.
17	Calm	SE	E	S	NW	W	29.5	45.9	57.6	47	180	4	A.-Cu.	S.-Cu.	8	A.-Cu.	Cu.-N.
18	Calm	Calm	Calm	NW	N	Calm	27.6	26.3	70	46.2	170.1	10	------	S.-Cu. E	10	A.-Cu.	Cu.
19	Calm	Calm	SE	SE	SE	SE	19	42.4	71.4	58.1	190.9	10	A.-Cu.	S.-Cu.	9	A.-Cu.	Cu. SE
20	SE	SE	SE	SE	NE	E	77.4	80.8	69.4	86.1	313.7	9	A.-Cu.	S.-Cu. SE	9	A.-Cu.	Cu. SE
21	SE	SE	SE	SE	SE	SE	85.3	111.9	78.4	71.1	346.7	10	------	N. SE	10	------	N. SW
22	SE	SE	SE	E	E	E	82.6	83.5	69.7	75.8	311.6	10	------	N. SE	10	------	N. SE
23	SE	SE	SE	SE	Calm	SE	83.2	85.8	53.7	63.1	285.8	10	------	N. SE	10	A.-Cu.	N. SW
24	SE	SE	SE	SW	E	E	44	48.3	66.5	44.8	203.6	10	------	S.-Cu. SW	10	A.-Cu.	Cu.-N.
25	SE	SE	SE	SE	W	Calm	50.4	78.4	82.6	38.1	249.5	10	A.-Cu.	S.-Cu. SW	9	A.-Cu.	Cu.-N.SW
26	S	SE	SE	W	Calm	S	58.5	87.5	68.4	54.5	268.9	2	Ci.	S.-Cu.	9	A.-Cu.	Cu.-N.
27	Calm	SE	SE	SE	Calm	Calm	47.2	54.2	26.8	16.7	144.9	9	A.-Cu.	S.-Cu.	10	A.-Cu.	N.
28	Calm	Calm	SE	S	SE	SE	24.4	40.5	44	35.6	144.5	10	A.-Cu.	S.-Cu.	10	------	N.
29	SE	SE	SE	SE	E	SE	51.7	56.3	59.3	42.9	210.2	10	------	N.	10	A.-Cu.	N.
30	SE	SE	SE	SE	SE	SE	38.6	50.4	57.2	69.7	215.9	10	------	N.	10	------	N.
31	E	NE	S	SE	SE	W	56.6	37.3	67.8	68.5	230.2	10	------	N.	10	------	N. SW
Mean	------	------	------	------	------	------	45.8	65	70.9	50.9	232.6	7.5	------	------	8.4	------	------
Total	------	------	------	------	------	------	------	------	------	------	7,211.7	----	------	------	----	------	------

DAGUPAN.

[$\phi = 16°\ 03'$ N; $\lambda = 120°.20'$ E; barometer above sea, 2.7 meters; gravity correction not applied, —1.67 mm.]

AUGUST, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	53.83	53.74	54.60	53.71	52.60	54.09	23.8	23.7	24.8	24	24	24.1	25.3	23.1	99	99	98	98	98	99	107.7
2	54.24	54.57	56.08	55.35	55.72	56.86	24.5	24	24.5	26.4	25	24.5	27.2	23.6	99	99	99	98	98	98	33.3
3	56.32	56.09	57.23	56.97	56.76	57.94	24	23.9	29.3	25	24.9	24.5	29.7	23.5	98	98	81	98	98	98	10.7
4	56.94	57.12	57.85	56.07	56.75	58.58	24.2	24.1	27.4	31.2	28.5	24.7	32.4	23.6	97	97	85	69	82	98	2.3
5	57.85	57.33	57.30	56.05	56.08	58.05	24	23.6	30	31.8	28.5	26	32.9	23.1	96	98	71	61	76	88	1.5
6	57.77	57.97	58.54	57.37	57.77	58.45	25.5	24.6	30.2	30.8	27.4	26.8	32.4	24.4	94	97	75	70	82	84	------
7	58.01	58.72	59.45	58.13	58.03	58.99	25.5	24.6	30.5	29.7	28.2	26	31	24.4	94	97	74	79	71	85	3
8	57.90	58.02	58.58	56.73	56.78	57.86	25.3	24.5	30	30.5	28	26.8	32	24.4	93	98	75	75	77	85	------
9	56.91	57.33	57.57	55.88	57.53	58.52	25.5	25.3	30.5	31	24.4	24.4	32.1	24	94	95	73	71	97	96	13.7
10	57.64	57.62	57.99	55.89	57.28	58.58	24.4	24.4	29.6	31.5	25.2	24.5	32.4	23.9	95	94	81	77	98	98	6.9
11	57.65	57.06	58.01	55.87	56.58	57.92	24.3	23.9	27	30.4	27.8	25	30.7	23.5	97	99	87	79	86	98	1
12	56.94	56.36	56.06	53.97	54.85	55.96	24.5	24.4	28.8	33	26.6	24	33.5	23.7	99	97	83	68	95	99	22.1
13	54.88	54.46	55.30	53.28	53.88	55.82	24.1	24	29.2	31.1	27.8	24.5	32.5	23.7	99	98	80	70	88	98	20.6
14	55.43	55.47	56.20	54.98	55.49	57.63	24	23.9	29.2	29	28.8	26	31.9	23.3	98	98	83	82	83	96	------
15	56.41	56.86	57.59	56.06	56.55	58.33	25.2	24.8	30.6	32	28.5	26	33.9	24.2	98	98	80	75	88	99	2
16	57.63	57.75	58.52	56.34	56.39	57.68	25.5	25.3	30.6	32	28.2	26.5	32.6	25	98	98	84	78	95	99	45
17	56.70	56.86	57.40	55.72	56.24	57.43	25.6	25.2	30.7	31	27.8	25.4	32.5	24.9	99	99	78	85	94	97	2.3
18	56.51	56.65	57.28	56.52	57.17	57.61	25.4	25	31	26.6	25.7	25.5	33.5	24.6	97	97	77	98	95	96	18.3
19	57.62	57.37	57.09	55.07	54.98	57.09	25	24.4	29.2	30.8	28.4	26.6	31.7	24	99	98	83	78	85	95	------
20	56.51	56.72	57.25	55.12	56.02	58	26	25.4	31.6	32.4	27.5	25.8	33.1	25	96	97	78	76	91	98	3.3
21	56.25	56.65	57.83	55.73	55.95	57.70	25.4	25	30.4	31.6	27.2	25.5	34.4	24.6	97	98	80	76	97	96	.8
22	57.59	57.57	57.93	55.62	54.94	57.34	25	24.5	31.1	33.1	29.8	26.8	33.8	24.2	98	99	81	73	84	93	4.1
23	56.60	56.33	56.79	54.84	55.40	56.71	25.3	25.2	31	29.6	27	25.9	33.4	24.6	95	97	77	77	83	97	1.3
24	56.60	56.56	57.58	55.45	56.19	57.76	25.5	24.9	30.8	29.8	27	25.5	34	24.5	96	96	75	73	86	94	4.1
25	56.60	56.95	57.29	55.23	55.19	56.56	25.1	25	28	28.6	28.1	25.8	31	24.5	96	96	85	85	79	93	2.8
26	55.47	55.13	54.79	52.73	52.80	54.03	25	24.6	29	28.6	28.8	26	30.6	24.3	97	95	78	78	79	90	------
27	53.02	52.35	52.90	51.49	51.67	52.85	25.4	24.6	30.5	28.5	26.4	26	32.7	24.2	93	96	75	84	92	94	1.5
28	52.36	51.77	52.56	51.43	52.34	53.73	25	24.9	29.6	31	25.8	25.5	31.9	24.5	97	97	78	70	92	96	3.5
29	52.98	53.57	53.92	52.72	53.22	54.71	25	24.9	29.2	27.8	26.6	25.8	31.2	24.4	96	96	83	86	92	97	18.1
30	54.32	54.55	55.85	54.49	54.58	55.42	25	24.7	26	25.4	25.4	25	29.4	24.5	96	97	89	94	97	97	82.4
31	53.94	53.67	54.72	53.57	53.33	54.09	24.9	24.4	24.3	25.5	24.5	24.2	25.9	23.8	97	97	99	94	99	98	129
Mean	56.11	56.10	56.71	55.11	55.45	56.85	24.9	24.6	29.2	29.7	27	25.5	31.7	24.1	96.7	97.3	81.5	79.8	88.9	95.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	541.3

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.	Total movement in 24 hours.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	S	S	S	E	E	SE	57.2	51.2	64.9	92.5	265.8	10	----------	N. SW	10	----------	N. WSW
2	SE	E	SE	SE	Calm	SE	65.2	70.5	84.8	70.6	291.1	10	----------	N. SW	10	----------	N. SW
3	SE	SE	SE	N	S	SE	63.9	67.4	37	41.3	209.6	10	A.-Cu.	N. SE	10	----------	N. SW
4	SE	SE	SE	SSW	Calm	E	56.6	61.2	47.5	46.7	212	10	A.-Cu.	N. SE	10	A.-Cu.	N.
5	E	E	SE	NW	SW	NE	35.2	63.9	77.2	53.6	229.9	1	A.-Cu.	Cu.	3	----------	Cu.
6	Calm	Calm	SE	NW	SW	S	19.3	36.8	68.9	32.2	157.2	9	A.-Cu.	S.-Cu.	8	A.-Cu.	Cu.
7	Calm	S	NW	W	W	W	26.8	46.2	76.2	57.4	206.6	2	Ci.-S.	S.-Cu.	7	A.-Cu.	S.-Cu. W
8	Calm	Calm	S	NW	NW	NW	22.3	33.1	79.5	56.3	191.2	9	A.-Cu.	S.-Cu.	9	A.-Cu.	Cu.-N.
9	SW	SE	SE	NW	SE	W	29	41	89.3	29.6	188.9	8	A.-Cu.	S.-Cu.	6	A.-Cu.	Cu.
10	Calm	S	Calm	NW	N	Calm	27.4	34.4	82.6	35.1	179.5	10	A.-Cu.	S.-Cu.	7	A.-Cu.	Cu.-N.
11	Calm	Calm	NW	NW	W	SE	21.4	52.4	112.1	39.7	225.6	7	A.-Cu.	S.-Cu.	6	A.-Cu.	Cu.
12	S	Calm	SE	S	NE	S	43.8	65.8	51.3	55.5	216.4	10	A.-Cu.	N.	8	A.-Cu.	Cu.
13	Calm	Calm	SE	W	S	Calm	15.8	46.9	47.2	47.2	157.1	2	A.-Cu.	S.-Cu.	7	A.-Cu.	Cu.-N.
14	NE	Calm	E	W	Calm	S	28.8	41.6	77.5	35.2	183.1	10	A.-Cu.	S.-Cu.	8	A.-Cu.	N.
15	S	SE	SE	S	E	Calm	36.2	71	56.6	31.4	195.2	6	A.-Cu.	S.-Cu.	7	----------	Cu.-N. sw
16	Calm	Calm	SE	NW	Calm	NE	27.6	42.3	63.3	32.4	165.6	4	A.-Cu.	S.-Cu.	6	A.-Cu.	Cu.-N.
17	SE	Calm	Calm	NW	Calm	Calm	22.8	31.7	73.8	28.8	157.1	8	A.-Cu.	S.-Cu.	7	A.-Cu.	Cu.
18	SE	SE	SW	SW	NW	NE	29.3	56.1	77.4	30.9	193.7	10	A.-Cu.	S.-Cu.	10	----------	N.
19	Calm	Calm	Calm	NW	NW	SE	21.2	34	93.6	27.7	176.5	4	A.-Cu.	S.-Cu.	4	Ci.-S.	Cu.
20	SE	SE	SSE	SW	SW	E	24.4	32.2	68.9	40.4	165.9	8	Ci.-S.	S.-Cu.	6	A.-Cu.	Cu.-N.
21	SE	SE	SE	SW	E	Calm	42.9	40.7	74.5	42	200.1	9	----------	S. SE	6	A.-Cu.	Cu.-N.
22	SE	SE	SE	SW	NNE	E	35.4	56.3	55.6	46.7	194	8	Ci.-S.	Cu.	8	A.-Cu.	Cu.-N. sw
23	E	SE	SE	SW	SW	Calm	36.3	56	63.7	24.7	180.7	9	A.-Cu.	S.-Cu. SE	9	A.-Cu.	N. W
24	Calm	Calm	SE	SW	SW	SE	33.3	46.9	71.3	28.3	179.8	4	Ci.-S.	S.-Cu.	9	----------	Cu.-N. sw
25	Calm	Calm	NW	W	NW	SE	18.2	43.2	54.2	46.4	162	8	Ci.-S.	S.-Cu.	8	A.-Cu.	Fr.-N.
26	SE	SE	SE	WNW	Calm	W	40	44.4	61.7	23.4	169.5	7	A.-Cu.	S.-Cu.	8	A.-Cu.	S.-Cu.
27	SE	SE	SE	SW	Calm	Calm	48.6	72.4	54	22.8	197.8	10	----------	S.-Cu. SE	9	----------	N.
28	Calm	SE	SE	SW	SW	SE	26	44.3	82.3	43.2	195.8	10	----------	S.-Cu. SE	9	A.-Cu.	Cu.
29	SE	E	SE	Calm	Calm	S	58.7	60	44.3	34.1	197.1	8	A.-Cu.	S.-Cu.	10	A.-Cu.	N.
30	SE	E	SW	NE	Calm	Calm	42.1	43.8	63.4	34.6	183.9	9	----------	N. SW	10	----------	N.
31	SE	E	S	E	N	SE	45.4	29.9	34.6	31.1	141	10	----------	N.	10	----------	N.
Mean	------	------	------	------	------	------	35.5	49	67.4	40.2	192.6	7.7	----------	----------	7.9	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	5,969.7	----	----------	----------	----	----------	----------

DAGUPAN.

[$\phi = 16° 03'$ N; $\lambda = 120° 20'$ E; barometer above sea, 2.7 meters; gravity correction not applied, −1.67 mm.]

SEPTEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	53.50	53.61	54.55	52.55	53.55	54.61	24	23.9	28.2	27	25	24	29.4	23.5	99	99	83	83	92	96	43.4
2	53.53	54.52	53.92	52.20	52.56	53.86	23.6	23.8	29	28.4	25.5	25.4	31.5	23.2	98	96	78	85	93	96	10.2
3	53.42	53.58	54.47	52.76	52.77	54.65	25	24.5	28.5	26.6	26.2	25.4	31	24.1	96	99	80	87	90	92	10.4
4	53.62	54.51	54.93	53.61	54.36	56.62	24.6	24.5	28.4	26.8	26.7	25	31.3	24.3	95	95	77	86	86	92	11.7
5	55.55	55.84	56.60	55.40	56.71	58.62	24.9	24.8	28.7	31	26	25.6	32	23.9	92	92	80	76	92	92	2.3
6	57.55	58.54	58.65	58.71	57.55	59.67	25	24.5	31	33.2	29	27.6	34.1	24	96	97	75	66	81	87	3.1
7	58.79	58.62	58.52	56.52	56.12	57.58	25.7	25.5	29.6	31	28.8	27.6	32.1	24.9	98	92	81	79	86	91	------
8	53.80	56.92	57.83	57.02	56.92	57.71	25.5	25.5	28.2	25.3	26	26	29.4	24.9	96	94	84	95	92	92	16
9	53.55	56.95	58.20	56.40	56.80	58.80	25.2	25.4	29.5	29.6	27.5	26	31.6	24.9	97	94	80	77	82	89	.3
10	57.60	57.33	58.07	55.95	55.68	57.69	25.2	25	29.8	30.8	28.6	26.6	31.4	24.5	93	95	75	74	80	87	------
11	56.33	56.58	57.09	54.91	55.47	57.20	25.8	25.2	30.3	32.2	27	25.2	33.1	24.5	93	97	82	74	98	93	3.5
12	57.18	56.33	57.18	55.74	56	57.57	24.4	24	29.4	31	26.5	25.4	32	23.5	97	96	78	76	92	92	1.1
13	56.15	56.35	56.87	54.35	54.88	56.90	25	24.6	30.8	30.4	28.3	25.4	32	24.4	98	98	76	81	81	97	9.4
14	54.92	54.77	54.69	52.48	52.70	53.57	24.8	24.5	30.1	30.8	28.4	26.5	31.9	24.1	98	98	81	77	85	94	13.7
15	51.75	51.05	51.39	50.21	50.24	51.22	27	27	28	28.4	27.1	27.9	29	25.7	92	90	88	89	93	91	5.6
16	51.02	51.32	52.20	51.20	51.90	52.92	27.6	27.5	29	29.8	28.3	26.9	30.4	25.8	91	91	84	81	85	93	2.5
17	53.04	53.94	54.81	53.88	53.98	55.79	25.6	25	27.6	29.4	28	26.5	30.9	24.6	95	98	89	85	88	96	9.9
18	54.83	55.60	56.03	53.84	54.65	56.29	25	24.6	29.5	31.6	27.4	27	32.1	24.4	95	98	81	77	92	88	2.1
19	54.70	54.75	55.69	53.55	53.79	55.55	26.3	25.2	29.4	30.2	28.1	27.6	31.5	24.8	93	97	81	77	83	86	------
20	54.39	54.75	55.77	53.85	54.78	56.65	26.4	25.3	30.5	30	28.8	27.5	32	24.9	93	96	77	82	82	88	------
21	55.68	56.37	57.67	55.84	56.64	57.84	25.9	24.6	29.4	30.8	27.9	26.8	32.1	24.4	96	95	79	77	85	92	.5
22	57.31	58.33	59.36	57.63	58.25	59.92	25.2	24.2	30.5	30.7	28.5	27.5	31.7	23.9	97	97	78	79	81	87	------
23	59.67	59.73	60.44	57.73	58.84	59.78	27.1	25.2	30.6	31.4	28.4	25	31.9	24.3	87	97	80	75	85	95	.8
24	59.10	58.87	59.75	57.51	58.47	59.30	24.3	24	29.5	32.5	27	25.6	33.1	23.8	96	97	83	78	90	97	.3
25	58.75	58.50	59.07	56.73	57.09	58.81	24.7	24.4	29.5	31.8	27	25.1	33.1	24.1	97	97	80	79	88	94	------
26	57.71	57.61	58.07	55.63	55.44	56.79	24	23.2	30.4	31.4	28	27.1	32.5	22.8	96	97	78	79	88	94	.3
27	55.50	55.61	55.87	53.41	53.60	54.66	25	24.5	28.9	28	27.5	27	29.5	24.4	94	96	87	86	88	91	13.8
28	53.63	54.80	55.70	54.18	55.20	56.13	25.7	25.2	25.4	29.7	27.5	26.5	30	24.4	93	92	98	86	87	90	19.1
29	55.89	56.05	57.05	54.94	55.96	57.55	26.2	25.4	29.4	28	25	24.5	31.5	23	91	95	86	96	98	97	94.5
30	56.67	56.61	57.30	55.75	56.60	58.01	24.9	26	29.3	30.8	26.3	25.2	31.4	23.5	95	91	82	79	93	98	1.5
Mean	55.70	55.94	56.59	54.75	55.25	56.74	25.3	24.9	29.3	30	27.3	26.2	31.5	24.2	94.9	95.5	81.4	80.7	87.9	92.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	306

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	SE	Calm	Calm	W	NE	30.4	33.5	43.5	42.4	149.8	10	----------	N.	9	A.-Cu.	S.-Cu.
2	Calm	E	SE	SW	NE	Calm	32.5	56.6	50.7	31.5	171.3	10	----------	N.	9	----------	Cu.-N. S
3	SE	SE	SE	SE	SE	SE	71.1	115.6	91.7	86.9	365.3	7	A.-Cu.	S.-Cu. SE	10	----------	N.
4	SE	SE	SE	S	SE	SE	83.9	110.3	85.5	106.5	386.2	6	----------	S.-Cu.	10	----------	N. SE
5	SE	SE	SE	SE	E	SE	67.8	95.9	106.8	47.8	318.3	9	----------	S.-Cu. SE	7	A.-Cu.	Cu.
6	SE	S	SE	SW	NW	W	41.1	61.4	67.9	86.4	256.8	1	----------	Cu.	4	Ci.-S.	Cu.
7	S	SW	WNW	NW	NW	SE	36.3	59	103.9	55.6	254.8	8	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu.
8	SE	NE	N	Calm	NNW	NW	27.6	28	27.9	57.6	141.1	8	A.-Cu.	S.-Cu.	10	----------	N.
9	NW	Calm	NE	SW	SW	Calm	34.7	32	67.9	26.8	161.4	10	A.-Cu.	S.-Cu.	8	A.-Cu.	S.-Cu.
10	Calm	Calm	Calm	NW	NW	W	20.2	31.9	67.8	44.1	164	6	A.-Cu.	S.-Cu.	7	A.-Cu.	Cu.
11	SW	S	S	SW	SW	SW	31.5	52.8	52.6	40.7	177.6	8	A.-Cu.	S.-Cu.	8	A.-Cu.	S.-Cu. SW
12	SE	E	Calm	N	NW	N	45.4	36.7	71.3	39.5	192.9	9	A.-Cu.	S.-Cu.	9	A.-Cu.	N. SW
13	Calm	Calm	Calm	NW	W	NE	20.1	37.9	107.8	26.8	192.6	6	A.-Cu.	S.-Cu.	6	A.-Cu.	Cu.
14	Calm	NE	SE	NW	NW	NNW	21.2	35.9	96.3	86.6	240	8	A.-Cu.	S.-Cu.	7	A.-Cu.	Cu.
15	NW	NW	NW	NW	NW	W	90.1	84	95.2	130.7	400	10	Ci.-S.	N. NW	10	----------	N.
16	W	W	W	NW	W	Calm	128.5	124.1	129	53.1	434.7	10	Ci.-S.	Fr.-N.	8	A.-Cu.	Cu.
17	SW	Calm	NE	NNW	N	E	22.5	30.6	66.5	25	144.6	10	----------	N.	7	A.-Cu.	Cu.
18	Calm	Calm	E	NW	N	NW	25.2	33.1	47.3	51.8	157.4	7	A.-Cu.	S.-Cu.	6	A.-Cu.	Cu.
19	SW	SE	S	NW	NW	W	28.3	31.9	78.1	64.9	203.2	10	Ci.-S.	Fr.N. SE	8	A.-Cu.	Cu.
20	Calm	Calm	Calm	NNW	NW	NW	22.5	35.7	108.7	48.6	215.5	6	A.-Cu.	S.-Cu.	8	A.-Cu.	Cu.
21	Calm	Calm	W	NW	N	NW	19.1	41.1	73.2	54.7	188.1	7	A.-Cu.	S.-Cu.	6	A.-Cu.	Cu.
22	Calm	Calm	NW	NNW	NW	W	15.4	35.6	104.4	82.4	237.8	2	Ci.-S.	S.-Cu.	4	A.-Cu.	Cu.
23	NW	Calm	NW	NW	NNW	Calm	46.7	33.8	86.9	36.7	204.1	4	A.-Cu.	S.-Cu.	4	Ci.-S.	Cu.
24	Calm	E	E	E	NNE	Calm	29.9	42.6	48	41.6	162.1	8	A.-Cu.	S.-Cu.	8	Ci.-S.	Cu.
25	Calm	SE	SE	N	NE	Calm	31.5	49.2	73.8	34.1	188.6	8	A.-Cu.	S.-Cu.	5	A.-Cu.	Cu.
26	Calm	Calm	Calm	NNW	NW	Calm	31.4	36.2	77	28.3	172.9	3	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.
27	Calm	E	NNW	NW	NNW	NW	28	61.2	128.9	151.1	369.2	10	A.-Cu.	S.-Cu.	10	A.-Cu.	N. NNW
28	NW	W	NW	NW	NW	W	154.3	152.4	195.7	98	600.4	10	----------	N.	8	A.-Cu.	s.-Cu. NW
29	W	W	W	NW	NW	SW	59.2	45.1	76.4	46.7	227.4	10	----------	N. SW	10	A.-Cu.	N. SW
30	SW	NW	WNW	NW	Calm	Calm	50.9	70.3	57.7	23.8	202.7	7	A.-Cu.	S.-Cu.	6	A.-Cu.	Cu.
Mean	------	------	------	------	------	------	44.9	56.5	82.9	58.4	242.7	7.6	----------	----------	7.4	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	7,280.6	----	----------	----------	----	----------	----------

DAGUPAN.

[ϕ=16° 03′ N; λ=120° 20′ E; barometer above sea, 2.7 meters; gravity correction not applied, —1.67 mm.]

OCTOBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.70	57.82	58.40	57.47	58.52	59.74	25	24.5	25.9	25	24.8	24.5	28.3	24.1	98	97	93	93	96	98	38.4
2	59.18	59.24	60.11	57.80	58.72	59.10	24.4	24	28.7	30.5	25	25	32	23.8	96	99	83	80	95	93	27.2
3	58.64	59.24	60.24	58.24	58.62	59.31	25	24.6	25	27.6	26.2	24.5	28.1	24	93	94	98	89	94	97	23.3
4	58.33	58.76	59.18	56.53	57.20	58.80	24.5	24	30.3	31.5	27.7	26.2	32.6	23.5	97	99	83	85	90	98	1.3
5	57.72	58.36	59.40	57.14	57.78	58.69	24.1	24	30.7	31	28	27.4	32.1	23.8	97	98	85	81	90	92	------
6	57.81	58.15	59.71	57.36	58.11	59.62	25.4	25	30.3	30.9	28	26.5	32.2	24.6	97	96	82	85	99	98	------
7	58.53	58.99	60.32	57.96	58.20	59.90	25.1	24.2	31.1	31.8	28.4	25.7	33	24	96	93	70	70	80	89	------
8	58.91	59.30	59.73	56.88	57.40	58.69	24.6	24.4	30	30.6	25.7	25.3	31.1	24	98	97	73	68	93	93	13.8
9	57.82	57.02	58.26	55.57	56.05	56.56	25	24.4	27.1	29.5	26	26.8	31.6	24	97	95	87	73	91	87	7.9
10	55.41	55.72	56.69	54.69	54.69	55.91	25.3	25.8	29.5	29	27.4	26.5	30.1	24.9	93	89	75	76	81	83	------
11	55.26	54.72	56.05	53.13	55.42	57.01	25	24.6	29.2	30.5	24.4	23.9	32.5	23	94	93	69	74	94	96	79
12	56.92	57.18	58.43	56.28	57.86	58.98	23.7	23.5	29.6	33.1	26.1	25.4	33.2	22.9	95	96	76	63	90	93	2.8
13	58.05	58.27	59.35	56.98	57.19	58.08	25	24.8	29.8	29.6	28	26.3	31.8	24.5	94	96	69	72	79	92	------
14	56.91	57.22	57.93	55.72	56.67	58.03	25.5	24.6	30.2	31.5	28.5	25.2	32.1	24.4	94	95	74	68	80	93	14
15	56.67	56.62	57.19	54.95	55.04	56.98	24.5	23.9	30.2	32.5	28.6	28	34	23.6	95	96	74	63	77	80	------
16	56.34	56.61	57.57	54.86	55.08	56	26	24.8	30.4	32.7	29.2	26.5	34.1	24.6	93	96	74	61	78	80	------
17	55.45	55.93	56.28	55	55.37	56.82	25	24	28.5	26.4	23.9	23.5	29.7	23.1	83	86	67	81	91	93	7.1
18	57.24	57.73	59.63	57.60	58.43	60.36	23.5	25.2	27.7	31.5	28.7	26.4	32.2	23	92	84	79	68	76	88	------
19	59.64	59.97	60.92	58.48	58.74	60.30	25.6	24.2	31.2	30	28.2	25.3	33.5	23.8	91	92	68	73	79	93	------
20	59.47	59.66	59.92	57.35	57.74	59.51	24.4	23.7	31	32.2	28.5	26	34.2	23.3	95	96	67	63	80	89	------
21	58.85	59.60	60.66	58.32	58.96	60.13	24	23.2	31.4	34	29.5	26.4	34.9	23	90	90	63	56	74	84	------
22	58.81	59.51	59.91	57.33	58.08	59.75	24.5	23.8	32.1	32.4	27.5	25.5	34.5	23.5	91	92	60	59	76	87	------
23	58.32	58.82	59.49	57.29	57.88	59.88	24.8	23.7	31.5	33.1	28.5	25.5	33.7	23.5	86	94	63	54	73	83	.3
24	58.57	58.91	59.58	57.10	57.95	59.04	24	23	30.6	31.2	27.5	24.8	32.5	22.8	95	97	68	60	73	88	------
25	57.79	58.38	58.68	56.61	57.08	57.76	24	23.1	30	32	28.3	27.4	32.7	23	91	95	65	59	72	77	------
26	56.41	56.76	57.60	55.19	55.65	56.32	24.5	23.8	29.6	29.5	25.5	24.5	31.2	23.5	92	94	76	70	90	92	8.2
27	54.22	54.63	56.81	55.70	56.95	59	25.9	25.5	26.5	29	26.2	25.5	29.5	24.4	89	91	91	82	88	91	2.2
28	58.59	58.92	59.97	57.83	58.63	60.11	24.7	24	30.7	28	26.6	26.6	32.7	23.9	93	95	71	83	84	90	------
29	58.95	58.85	59.64	57.30	58.63	60.10	24.8	24.5	31.2	32.7	27.8	24.5	34.3	23.9	93	94	71	63	82	88	6.6
30	58.95	59.50	60.24	58.46	59.50	60.98	23.8	23.1	29.4	31	27.2	25.6	31.9	22.8	94	97	72	67	80	93	------
31	60.16	60.60	61.09	59.28	59.64	60.83	24.6	24	29	30.4	27.8	27.5	31.2	23.6	96	95	77	74	83	84	------
Mean	57.79	58.10	59 -	56.79	57.48	58.78	24.7	24.2	29.6	30.7	27.2	25.8	32.2	23.7	93.5	94.2	74.9	71.4	84.1	89.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	232.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SE	SE	NNE	NW	NW	Calm	33.2	36.8	47.8	25.1	142.9	8	A.-Cu.	S.-Cu.	10	----------	N.
2	Calm	Calm	S	SE	NE	SE	17.4	24.4	33.6	46.5	121.9	10	A.-Cu.	N.	9	A.-Cu.	Cu.
3	SE	SE	SE	SE	Calm	E	72.9	62.6	48.6	37.6	221.7	10	----------	N. S	10	----------	N. SW
4	Calm	SE	SE	NW	NW	Calm	24.1	46.1	69.2	46.7	186.1	7	A.-Cu.	S.-Cu.	7	Ci.-S.	Cu.
5	Calm	Calm	SE	NW	NW	NW	25.5	31.9	78.7	64.4	200.5	3	A.-Cu.	S.-Cu.	6	Ci.-S.	Cu.
6	Calm	Calm	NW	NW	NW	SW	27.7	32.8	62.5	35.9	158.9	6	Ci.-S.	S.-Cu.	9	A.-Cu.	S.-Cu.
7	SE	SE	SE	N	NW	E	43.7	55.8	75.8	50.7	226	6	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu. NE
8	E	E	Calm	WNW	SW	SW	41.8	39.1	96.9	34.6	212.4	10	Ci.-S.	----------	9	A.-Cu.	Cu.
9	SE	SE	SE	NW	NW	NE	33.8	39.9	69.5	75	218.2	10	----------	Cu.-N.	10	Ci.-S.	Cu. NW
10	Calm	N	NNW	NW	NW	NW	28.4	82.4	180.7	102	393.5	8	A.-Cu.	cu.-N. NWbyW	6	Ci.-S.	cu.NWbyN
11	Calm	SE	SSE	WSW	SE	W	35.7	78.7	92.3	61.8	268.5	10	Ci.-S.	S.-Cu. SSE	8	A.-Cu.	cu.-N. SSE
12	W	WSW	SW	W	E	Calm	45.4	83.9	59.3	19.9	208.5	10	Ci.-S.	Cu.-N.	6	Ci.-S.	Cu.
13	Calm	Calm	Calm	NNW	NNW	Calm	17.5	32.5	62	25.9	137.9	10	A.-Cu.	Cu.-N.	8	A.-Cu.	Cu.
14	Calm	Calm	WSW	NW	NNW	Calm	20.9	28.2	80.3	45.3	174.7	2	Ci.	S.-Cu.	3	A.-Cu.	Cu. NE
15	Calm	Calm	SSW	SW	NW	NW	16.9	41.6	52.1	47.2	157.8	6	Ci.	----------	8	Ci.-S. SE	Cu.
16	Calm	Calm	Calm	S	Calm	Calm	18.2	20.4	45.7	28.8	113.1	5	Ci.	----------	8	A.-Cu.	cu.-N.ENE
17	S	Calm	Calm	Calm	SE	SE	26.6	25.7	39.9	38.3	130.5	10	Ci.-S.	Cu.-N.	10	----------	cu.-N.ENE
18	Calm	SE	ESE	SE	E	Calm	55.5	119.9	74	21.9	271.3	10	Ci.-S.	Cu.-N. SE	8	Ci.-S.	Cu.
19	Calm	Calm	SE	NNW	NNW	S	17.2	40.7	63.3	26.8	148	6	A.-Cu.	Cu. SE	9	----------	Cu.-N. E
20	Calm	Calm	SSE	NNW	Calm	SE	29.6	48.5	45.6	36.7	160.4	2	----------	Cu.	3	Ci.	Cu.
21	Calm	SE	SE	SE	NE	SE	30.4	47.7	55.8	36.5	170.4	2	----------	Cu.	6	Ci.	Cu. ENE
22	Calm	SE	SE	NW	SSE	Calm	28.8	43.5	60.6	34	166.9	2	Ci.	Cu.	2	Ci.	Cu. ESE
23	Calm	Calm	SE	NW	NNW	SE	19.6	33.8	73.5	53.7	180.6	1	----------	Cu.	5	A.-Cu. ENE	Cu. ESE
24	SE	SE	ESE	N	Calm	SE	28.2	35.7	43.5	27.2	134.6	2	----------	Cu.	6	A.-Cu.	Cu.
25	Calm	Calm	Calm	NW	NW	NW	20.1	28.5	64.7	50.5	163.8	0	----------	----------	5	Ci.	Cu.
26	Calm	Calm	NW	NW	Calm	Calm	22.5	50.4	100.9	26.8	200.6	3	Ci.	Cu.	9	Ci.-S.	Cu.-N. N
27	WNW	WNW	SSW	SSE	SE	SE	99.3	77.5	80.2	68.1	325.1	10	----------	N. NWbyW	10	----------	cu.-N.WSW
28	SE	SE	SE	W	WNW	Calm	48.5	83.7	69.7	26.8	228.7	5	----------	Cu.	7	A.-Cu.	cu.-N. SSE
29	Calm	Calm	SE	SW	NW	Calm	25.5	39.6	73.5	38.6	177.2	3	Ci.	Cu.	4	----------	Cu. SSE
30	Calm	SSE	SE	NE	N	E	19.9	32.2	58.4	23.6	134.1	5	A.-Cu.	Cu.	6	A.-Cu.	Cu. SSE
31	Calm	Calm	NW	NW	NW	NW	20.7	38.8	91.7	73.5	224.7	5	Ci.	Cu.	7	A.-Cu. E	Cu.
Mean	------	------	------	------	------	------	32.1	47.8	69.4	42.9	192.2	6	----------	----------	7.2	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	5,959.5	----	----------	----------	----	----------	----------

DAGUPAN.

[ϕ=16° 03′ N; λ=120° 20′ E; barometer above sea, 2.7 meters; gravity correction not applied, —1.67 mm.]

NOVEMBER, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.73	60.11	60.48	57.88	58.93	60.11	25.7	25	31.4	32.4	28.5	25.8	34.7	24.9	93	96	68	66	80	88	
2	58.91	59.30	60.13	57.46	58.13	59.49	24.5	23.4	30	32.7	28.8	25.5	35	23.1	90	95	68	62	76	84	
3	58.17	58.82	59.53	57.27	58.08	59.45	24.6	24.2	31.1	31.5	28.8	26	34.4	24	86	89	66	69	78	86	
4	58.90	59.25	59.68	57.58	58.88	60.23	24.8	23.8	30.5	31.1	28.1	25.1	32.5	23.4	87	91	66	67	79	88	
5	59.10	59.82	60.44	58.27	58.89	60.10	24.7	24.2	30.6	33.6	28.1	24.4	33.8	23	93	92	67	63	76	87	
6	58.96	59.45	60.03	57.52	57.25	58.17	22.6	21.9	27.7	29.6	27.1	25.4	30.7	21.5	90	91	70	66	81	87	
7	58.40	58.52	59.52	58.02	58.50	60.19	25.5	25	30.5	30.5	26.7	25.4	33.5	24.5	73	75	61	58	74	80	
8	60.04	60.78	61.60	59.18	59.60	60.73	24.7	24.2	30.5	30.7	28.1	25	32.6	23.5	85	89	69	70	75	83	
9	60.05	60.06	60.48	57.90	58.50	59.64	24.2	23.7	29.4	30.2	26.1	24.9	32.2	23.4	88	89	71	67	90	92	10.2
10	58.78	59.19	59.95	57.56	58.03	59.68	23.5	23	30.4	31	27.4	24	32.1	22.5	90	86	62	64	81	82	
11	59.16	59.96	60.86	58.66	59.33	60.45	23.2	22.3	30.9	31	27.7	25.1	33.4	22.1	86	91	62	65	79	83	
12	60.09	60.31	61.18	58.34	58.95	59.91	23.7	22.7	31.5	32.2	28.1	25.1	33.5	22.4	85	89	60	58	79	82	
13	59.09	59.31	59.53	57.57	58.44	59.18	24	23.6	31.2	31.6	28	27	32.4	23.2	86	85	61	56	73	77	
14	58.51	58.54	59.54	57.36	57.93	59.63	24	23	30.4	31.2	28.5	25.2	33	22.8	86	85	66	62	73	89	.5
15	58.87	59.71	60.42	58.18	58.82	59.94	23.5	22.5	30.6	30.6	28	26	32.5	22.4	94	93	64	65	77	90	
16	58.89	59.34	59.91	57.75	58.49	59.56	24	22.8	31.5	31.9	28.1	25	34.4	22.5	94	91	60	62	77	82	
17	58.17	58.63	59.47	57.26	58.49	59.48	23.5	23	31.6	31	28	25.5	33.9	22.6	88	88	60	60	73	75	
18	58.18	58.69	59.36	57.02	57.79	58.83	24.2	22.5	31.2	31.4	28	27.4	32.9	22.1	81	89	58	66	80	77	
19	58.35	59	59.43	56.76	57.52	58.90	24	23.5	31.8	32.5	28.3	27.5	34.5	23.5	92	95	64	64	74	81	
20	58.36	58.31	59.01	56.97	57.55	58.09	24	23	31	28.8	26.5	25.5	32.2	22.3	91	92	65	75	83	91	
21	57.23	57.53	58.93	56.82	57.14	58.54	24.6	23.8	29	29.6	27.7	26.5	31	23.4	93	92	69	68	75	86	
22	58.02	58.49	58.82	57.08	58.16	59.33	24	23.4	30	29.5	27	26.5	30.9	23.1	82	79	57	66	75	78	
23	58.36	59.12	59.47	56.97	57.09	58.46	24.6	23	29.5	29.9	26.9	23.7	31	22.5	90	90	65	65	78	81	
24	57.54	57.99	58.63	56.66	57.09	58.07	21.9	20.9	28.5	29	26.9	23.7	30.5	20.5	88	90	65	67	77	92	
25	56.84	55.93	56.25	53.85	54.35	54.77	22	21.1	27.8	28.2	26.9	24.2	29.9	20.9	93	94	64	72	80	89	1
26	54.66	56.01	57.49	55.26	56.33	58.43	25.7	25	29.5	32.1	28.1	25	33.2	23.9	81	83	64	55	69	81	
27	58.68	59.26	59.54	57.44	57.44	58.65	22.6	21.5	30.6	31.3	28	25.7	33.7	21.4	89	95	66	57	78	84	
28	57.66	58.31	59.35	56.55	56.90	57.97	24.1	23	29.6	29.6	27.5	25	32.5	22.5	89	94	67	70	83	89	
29	56.47	56.38	57.59	55.86	56.62	57.28	23.5	23.1	23.7	27.5	24.6	23.1	28.1	22.5	90	85	90	80	83	90	1.8
30	56.74	57.28	57.92	56.72	58.28	59.56	23.5	24.1	28.4	27.2	24.3	23.4	28.6	22.8	90	87	73	84	93	93	8.1
Mean	58.36	58.78	59.48	57.26	57.92	59.09	24	23.2	30	30.6	27.5	25.3	32.5	22.8	88.1	89.3	65.6	65.6	78.3	84.9	
Total																					21.6

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	SE	SSE	NNW	E	Calm	31.1	52.1	67.1	24.3	174.6	10		Fr.-N. SE	6		Cu.-N.
2	E	ESE	SE	N	N	SW	40	41.8	54.5	40.8	177.1	1	Ci.	Cu.	2	Ci.	Cu.
3	S	SE	SSE	S	ESE	S	44.1	85.9	68.4	35.2	233.6	1	Ci.	Cu.	8	A.-Cu. SE	S.-Cu.
4	SE	SE	SE	N	NE	S	29.6	56.9	89	33.8	209.3	1	Ci.	Cu.	2	Ci.	Cu.
5	SE	S	SE	S	Calm	Calm	40.2	55.7	37.8	23	156.7	5		S.-Cu.	8	Ci.-S.	Cu.
6	SE	SE	Calm	NW	NW	Calm	24.9	27.6	46.2	43.7	142.4	9	Ci.-S.	Cu.	9	Ci.-S.	Cu.
7	SSE	SSE	SE	SE	SSE	S	89.3	93	118	88.8	389.1	10	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.
8	Calm	SE	SSE	SSW	S	S	31.7	59.2	58.5	32.4	181.8	7		S.-Cu. SE	9	A.-Cu. E	S.-Cu. ENE
9	S	S	SSE	N	Calm	S	29.8	42.8	56.1	36.7	165.4	4		S.-Cu.	7	A.-Cu. ENE	S.-Cu.
10	S	SE	SE	NW	Calm	Calm	59	42	59.3	38.9	199.2	1		Cu.	3		Cu.
11	S	SE	SE	NNW	Calm	S	34.9	38.8	54.4	39.1	167.2	1	Ci.	Cu.	2	Ci.	Cu.
12	SE	SE	SE	NW	Calm	S	33.5	37.2	52.6	41.5	164.8	1	Ci.	Cu.	2		Cu.
13	SE	SE	SE	WNW	NW	SW	39.7	44	64.7	42.3	190.7	0		Cu.	1		Cu.
14	SW	SW	SE	NW	N	S	26	40.4	57.9	33.6	157.9	2	Ci.	Cu.	1		Cu.-N.
15	SE	E	SE	NW	N	Calm	34.1	37.5	56	23.6	151.2	4		S.-Cu. SE	5	Ci.-S. E	Cu.
16	E	Calm	SE	NNW	Calm	SE	31.6	45.7	56.6	37.3	171.2	1	Ci.	Cu.	6	Ci.	S.-Cu. E
17	SE	SE	SE	N	NE	S	35.9	50.9	68.6	51.3	206.7	1	Ci.	S.-Cu.	8	A.-Cu.	S.-Cu. E
18	SSE	S	SE	NNW	N	NNW	47.7	56	86.3	60.4	250.4	1		S.-Cu.	2		Cu.
19	NE	Calm	SSE	NW	N	NbyW	27.9	47.3	69.2	49.9	194.3	2		S.-Cu.	3		Cu. E
20	NE	E	SE	NW	NbyE	N	34.9	40.2	74	30.8	179.9	1	Ci.	Cu.	9	A.-Cu.	S.-Cu. ENE
21	SE	SE	SW	NW	NW	Calm	34	30.4	98.2	49.6	212.2	4	Ci.	S.-Cu.	3	Ci.	Cu.
22	SSE	S	S	NW	NW	N	57.9	40.7	81.1	60.6	240.3	9	A.-Cu.	S.-Cu.	2	Ci.	Cu.
23	SW	SE	S	NW	NW	S	30.1	32.7	57.4	43	163.2	3	Ci.	S.-Cu.	4	Ci.	Cu.
24	S	S	W	NW	N	NNW	36.4	31.7	57.9	28.8	154.8	4	Ci.	Cu.	9	A.-Cu.	S.-Cu. ENE
25	S	S	NW	NW	W	S	22.5	29.5	56.9	36.8	145.7	9	Ci.-S.	S.-Cu.	9	A.-S. SE	S.-Cu. E
26	SE	SSE	SE	SSE	S	SE	115.9	136.3	103.2	46.9	402.3	5	Ci.	S.-Cu. E	8	Ci.-S.	Cu.
27	SE	SE	SSE	NNW	N	W	29.6	42	55.2	23.9	150.7	4	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.
28	Calm	SW	SE	NW	NW	Calm	23.8	32.4	51.8	23.5	131.5	9	Ci.-S.	S.-Cu. E	9	A.-Cu.	S.-Cu.
29	W	SbyE	SbyE	SSE	SSE	SSE	21.9	100.8	80	121.5	324.2	8	A.-S.	S.-Cu. E	10	A.-S.	Fr.-N.
30	SSE	SE	SE	SSE	SE	S	112.9	126.9	80.5	70.3	390.6	10		Fr.-N. SE	10	Ci.-S.	Fr.-N.
Mean							41.7	53.3	67.2	43.7	206	4.3			5.8		
Total											6,179						

DAGUPAN.

[$\phi = 16° 03'$ N; $\lambda = 120° 20'$ E; barometer above sea, 2.7 meters; gravity correction not applied, —1.67 mm.]

DECEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.04	59.42	60.06	58.13	59.32	61.20	23.1	23	28.3	31.7	27.5	25.1	32.4	22.5	95	91	74	62	76	83	------
2	60.40	60.91	61.98	58.96	59.42	60.84	23.6	22.8	30.4	33.4	27.9	26.6	34.5	22.4	88	97	68	62	79	86	------
3	59.54	60	60.50	57.52	58.03	59.15	24	22.9	29.5	30.5	27.5	26.8	31.6	22.5	94	93	66	62	76	86	4.1
4	58.32	58.53	59.01	56.04	56.48	57.36	24	23.1	28	30	27.2	25	31.5	22.9	91	96	81	71	81	91	------
5	58.18	57.02	58.48	56.53	56.91	58.53	24.2	23.5	28.1	28.5	26.5	25.5	30.4	23	91	95	77	73	81	80	------
6	58.20	59.20	60.29	58.45	58.88	60.61	25	22	27.9	28.9	26.5	25.5	29.5	21.6	76	95	74	67	78	85	------
7	60.27	60.60	61.44	59.12	59.61	61.20	22.4	20.6	28.9	29.6	26	22.6	32	20.4	95	97	59	58	79	78	------
8	60.73	61.27	62.35	60.25	60.15	61.54	21.3	18.4	27.4	28.6	25.9	23	29.4	17.7	74	86	57	60	65	74	------
9	60.80	61.73	62.50	60.35	60.50	61.86	20.1	18.5	28.5	29.1	25.7	21.7	31	18.2	80	89	54	59	73	80	------
10	61.31	61.52	62.25	60.24	60.74	61.85	21.5	20.5	29.8	29.1	26	23.4	31.7	20.3	78	85	56	57	60	70	------
11	61.05	61.31	62.05	60.42	61.04	62.06	21.7	20	29.6	28.5	25.2	23.2	31.2	19.6	76	87	55	64	78	80	------
12	61.65	61.25	62.19	60.08	60.78	62.06	22.2	21	30.4	29.1	26.7	22.9	31.5	20.5	85	90	56	67	78	83	------
13	61.15	61.36	61.87	59.48	60.29	62	21	20	29.8	33.4	27.8	23.5	34	19.7	84	89	55	50	64	85	------
14	61.89	62.33	62.78	59.87	60.42	61.89	22	20	30	31.7	27	25	32.5	19.5	87	90	54	52	79	87	------
15	60.98	61.16	61.95	59.88	60.25	61.16	23.2	21.8	27.9	28.9	26.9	24.5	30.2	21.5	88	94	71	69	80	91	------
16	60.31	60.54	61.85	59.33	59.82	61.02	23.5	23.1	30.3	30.6	26.9	23.5	32.9	22.3	82	81	58	61	80	84	------
17	60.25	60.66	61.33	58.89	59.78	61.09	22.2	19.9	29.5	29.1	27	23.4	30.5	19.4	79	88	58	67	80	80	------
18	60.01	60.22	61.10	58.32	58.69	59.11	21.8	21.4	29.1	29.5	26.5	26.2	31.5	20.5	87	84	60	62	80	82	------
19	58.37	58.67	59.75	57.31	58.05	59.40	23	22.2	27.6	30.3	26.5	25.5	31.1	22	91	96	70	58	79	78	------
20	58.62	59.05	60.08	57.61	58.63	59.36	22.2	20.5	27.5	30	26.5	26.2	30.6	20	88	94	73	64	78	83	------
21	58.65	59.08	60.25	57.97	58.45	59.69	22.5	21.3	29	30.1	26.5	25.9	32.5	21	94	95	67	64	76	78	------
22	59.41	59.96	61.13	58.49	59.05	60.99	21.4	20.5	27.5	29.2	26.3	23.6	30.2	20	95	95	73	66	74	86	------
23	60.85	61.15	62.10	59.81	60.78	62.13	22.3	19.8	29	32.5	26.9	24	33.4	19.5	84	91	55	48	66	76	------
24	61.31	60.93	61.90	59.47	60.03	61.40	20.8	20.1	28	28.6	26.5	24.2	31.9	19.9	88	90	63	63	71	77	------
25	61.02	61.21	62.24	60.02	60.73	61.92	23.8	23.1	28.5	29.1	27	24.5	32	22.6	73	77	60	62	75	71	------
26	61.12	61.84	62.19	60.18	59.60	61.35	24.4	24.2	27.8	29	27	23.1	31.6	21.6	71	73	67	67	77	92	3.8
27	60.24	60.22	60.94	59.02	59.92	60.96	23	23.4	27.4	31.2	27.5	24.1	32.9	21.5	87	83	70	56	62	78	------
28	60.47	60.87	62.25	60.28	60.81	61.93	22.9	22.5	29.1	29.2	26.4	25.9	31	21.4	86	86	68	69	84	81	------
29	60.79	61.50	62.56	60.30	61.51	62.29	23.3	22	27.6	29.5	26.6	24	30.1	21.5	92	96	76	70	83	86	------
30	61.22	61.49	62.67	60.23	61.10	62.61	23.5	23.9	29.7	31	26.5	24.1	33	23	86	85	63	63	82	86	------
31	61.62	62	63	60.24	60.75	61.59	22	21.1	28.5	29.1	26.9	24.3	30	20.6	91	94	72	73	81	92	------
Mean	60.19	60.55	61.45	59.12	59.69	60.97	22.6	21.5	28.7	30	26.7	24.4	31.6	20.9	85.7	89.7	64.8	62.8	76	82.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	7.9

Day.	Wind.										Clouds.				
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.		2 p. m.	
												Amount.	Form and direction.	Amount.	Form and direction.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper. Lower.		Upper. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*		*0–10*	
1	S	SSE	SE	SE	SE	SE	72.9	99.3	104.3	76.7	353.2	9	Ci.-S. E S.-Cu.	2	A.-Cu. Cu.
2	SE	Calm	SE	SSE	NW	NW	34.6	46.5	51.2	49.9	182.2	9	---------- ----------	5	Ci. Cu.
3	NE	SE	E	NWbyN	NW	NW	28.7	26.4	66.3	83.7	205.1	7	---------- Fr.-N.	7	Ci.-S. Cu.
4	W	S	SW	NW	NW	W	33.3	27.9	67.6	47.3	176.1	7	Ci.-S. Cu.	7	A.-Cu. Cu.
5	W	NW	NNW	NW	NNW	N	28.2	46.7	152.4	110.4	337.7	3	Ci. S.-Cu.	8	Ci.-S. Cu.
6	NNW	NNE	NNW	NW	NW	NW	56.6	40.2	91.9	41.3	230	5	Ci.-S. Cu.	3	Ci.-S. Cu.
7	Calm	E	SSE	N	N	S	20.9	46.4	58.5	50.9	176.7	8	---------- ----------	2	---------- Cu.
8	S	SE	NNW	NW	NW	S	48.6	43	69.4	47.8	208.8	0	---------- Cu.	1	A.-Cu. Cu.
9	SE	SSE	SE	NNW	N	S	38.1	40.8	54.7	28.7	162.3	1	---------- S.-Cu.	3	---------- Cu.
10	SE	SE	SE	NbyW	E	SSE	42.4	48.6	73.5	70.6	235.1	6	A.-Cu. SSE Cu.	2	Ci. Cu.
11	S	SSE	SSE	SSE	S	S	38.4	45.6	60.2	40.7	184.9	1	Ci. S.-Cu.	9	Ci.-S. Fr.-N.
12	S	Calm	SSE	NNW	N	S	27.9	38	84.3	46.7	196.9	2	Ci. Cu.	3	Ci. Cu.
13	S	E	SSE	SE	SE	ESE	36.4	66.6	82.1	52.9	238	2	Ci. Cu.	1	Ci. Cu.
14	SE	Calm	SE	NNW	N	NW	26.8	39.4	66	44.1	176.3	6	Ci. Cu.	1	Ci. Cu.
15	SW	Calm	W	NW	NNW	SW	27.7	31.1	89.3	39.9	188	6	Ci. S.-Cu.	2	Ci. Cu.
16	SE	SSE	SE	NNW	Calm	S	79.2	57.9	66.3	49.6	253	1	Ci. Cu.	2	Ci. Cu.
17	SSE	E	SE	NNW	Calm	SE	74	40.5	60.4	27.1	202	1	Ci. Cu.	2	Ci. Cu.
18	Calm	SE	SE	NNW	NW	NW	30.4	32.8	88.3	63.9	215.4	0	Ci. Cu.	2	Ci. Cu.
19	Calm	E	ESE	NNW	NW	NW	32.8	33.6	45.6	49.3	161.3	9	---------- S.	8	Ci.-S. Cu.
20	Calm	ENE	NW	NW	NW	NW	25.5	33.8	69.2	44.1	172.6	4	Ci. Cu.	1	Ci. Cu.
21	SE	SE	ESE	NWbyN	NW	NW	30.8	38.1	87.4	62.6	218.9	5	Ci. Cu.	2	Ci. Cu.
22	N	Calm	E	NW	NW	SW	26.9	29	71.9	39.2	167	2	Ci. Cu.	1	---------- Cu.
23	S	SE	S	S	N	Calm	37.8	53.4	53.1	22.2	166.5	0	Ci. Cu.	2	---------- Cu.
24	Calm	SE	SE	NNW	Calm	S	20.9	35.2	57.6	48.5	162.2	2	Ci. S.-Cu.	7	A.-Cu. SSE Cu.
25	S	S	S	NNW	Calm	S	73	59.7	49.1	53.3	235.1	10	A.-Cu. SE S.-Cu.	8	A.-Cu. Cu.
26	S	S	SSE	NE	N	SE	54.5	85.1	35.1	80.7	255.4	10	A.-Cu. S.-Cu. ESE	9	A.-Cu. SE S.-Cu.
27	S	SSE	SSE	SE	SE	SE	90.9	82.3	105.7	38.9	317.8	8	A.-Cu. S.-Cu.	9	A.-Cu. Cu.
28	SE	SE	SE	NNW	NNW	NNW	32.7	42.8	104.8	114.1	294.4	2	Ci. S.-Cu.	2	Ci. Cu.
29	N	N	Calm	NW	Calm	W	27.1	26.8	63.1	22.5	139.5	10	---------- ----------	2	---------- Cu.
30	Calm	SE	SE	NNW	Calm	Calm	23.3	36.7	49.6	19.8	129.4	8	---------- S.-Cu. SE	2	Ci. Cu.
31	Calm	Calm	NNW	NW	NW	Calm	17.2	26.8	81	19.6	144.6	0	---------- Cu.	2	---------- Cu.
Mean	------	------	------	------	------	------	40	45.2	72.9	51.2	209.2	4.6	---------- ----------	3.8	---------- ----------
Total	------	------	------	------	------	------	------	------	------	------	6,486.4	----	---------- ----------	----	---------- ----------

BOLINAO.

[$\phi = 16°\ 24'$ N; $\lambda = 119°\ 53'$ E; barometer above sea, 9.7 meters; gravity correction not applied, −1.65 mm.]

JANUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.89	60.18	61.24	59.76	60.04	60.84	23.5	21	28.7	30	26.3	26	30.7	20.7	91	98	72	71	86	89	.....
2	60.56	60.71	61.84	59.97	59.87	60.92	25.9	25.7	27.9	29.6	26.9	25.1	30.5	23.9	88	90	82	75	90	92	.....
3	60.85	61.28	62.37	60.21	60.43	61.46	23.3	21.9	28.3	29.6	27	25.9	31	20.7	92	96	70	67	81	88	.....
4	61.48	61.54	61.87	60.42	60.61	61.08	23	23.5	29	30.5	27.1	23.3	31.4	22	96	97	75	66	83	97	.....
5	60.75	60.76	61.99	59.76	59.86	60.47	21.6	22.6	29.7	32.1	27.5	23.9	32.6	21.4	99	95	63	50	78	95	.....
6	60.49	60.83	61.39	59.85	60.23	60.81	22.5	22.4	28.5	30.4	26.7	26	32	22	88	93	75	69	87	90	.....
7	60.38	60.60	61.02	59.23	59.68	60.47	23.4	22.9	29.5	30.6	26.4	23.9	31.5	22	87	90	64	57	79	78	.....
8	60.45	60.69	60.86	58.42	59.86	60.62	23	22.5	28.6	30.1	27	23.9	31.5	21.9	86	91	69	59	78	88	.....
9	59.82	60.25	60.94	59.51	60.78	61.43	22.5	22.6	29	29.8	25.9	24.5	30.6	21.1	93	95	65	71	88	89	.....
10	60.63	61.13	62.06	60.24	61.04	61.66	24.9	24.6	27.5	29.5	26.1	25.6	29.9	24.4	85	90	77	71	84	87	.....
11	61.33	61.93	62.97	60.93	61.69	62.01	23.6	23.3	29	29.6	26.1	25.6	31	22.5	96	97	76	77	90	92	.....
12	61.25	61.92	63.26	60.91	61.77	62.92	21.9	22.1	28.6	31.1	27.2	26.6	31.7	20.9	97	98	73	64	86	90	.....
13	61.79	61.98	62.82	60.60	60.82	62.71	24.1	24.5	28.1	30.7	27	26.5	32.5	23.9	98	92	74	70	80	86	.....
14	62.47	62.55	63.43	61.43	61.53	62.19	24.6	23.7	28.9	31	26.9	26	31.9	23.6	87	93	68	59	83	85	.....
15	61.77	61.82	63.47	61.32	61.37	63.06	25.9	24.4	28.1	30.6	27.1	26	31.4	24.1	85	93	77	64	83	87	.....
16	63.03	63.14	63.79	62	62.23	63.37	23	22.6	29	30.6	27	26	31.9	22.3	97	89	64	55	83	87	.....
17	62.49	62.72	63.88	62.20	62.16	63.16	25.6	24.6	28.6	31.6	27	24.1	32.2	24	87	87	71	57	83	91	.....
18	62.39	62.66	63.62	61.60	61.72	62.89	22.5	22.6	28.6	31	27.6	26	32	21.3	96	91	66	59	77	87	.....
19	62.60	63.10	64.19	62.56	62.61	63.46	22.6	23.1	28.5	30.5	26.5	24.6	31.1	22	96	98	70	66	78	88	2.3
20	62.80	62.96	63.88	62.02	61.97	62.92	22.9	22.4	28.6	30	27	24	32.4	22	81	79	55	55	74	88	.....
21	62.33	62.69	63.81	61.87	62.09	62.85	22	22	28	30.5	26.6	25	31.5	21.4	88	88	66	62	75	83	.....
22	62.29	62.09	63.24	61.38	61.56	62.24	22.5	21.5	27.9	31.1	26.5	22.1	32.2	20.7	93	98	56	56	74	91	.....
23	61.61	61.63	63.48	61.64	61.51	62.30	20.5	22	27.4	30.3	26.5	20.3	31.1	19.7	96	82	60	48	68	89	.....
24	62.25	62.65	63.78	61.74	61.78	62.55	19.3	19.8	27.6	29.7	26.2	25.2	31.1	19.1	94	94	64	54	75	79	.....
25	62.27	62.38	63.71	61.83	61.83	62.77	21	19.5	27.6	29	26.5	25.6	30.4	19.2	93	96	66	64	72	75	.....
26	62.25	62.47	64.08	62.16	62.51	63.96	25.5	25	28.3	31	26.5	25.9	31.4	23.4	73	83	65	53	80	81	.....
27	63.88	64.23	65.39	63.33	63.33	64.46	21.1	21.1	28.9	29.5	26	25.5	31	20	95	98	64	61	79	84	.....
28	63.67	63.98	64.94	62.82	62.56	63.65	25.4	25	27.2	28.6	26	25.4	30.2	24.8	80	77	70	61	78	77	.....
29	63.37	63.19	64.62	62.28	61.97	62.93	25	24	26.1	28.5	25.5	24.9	29.5	22	79	83	76	65	80	83	.....
30	62.39	62.52	64	62.16	61.92	62.82	24.3	24.5	27.2	28.2	25.6	25.1	28.5	24	85	80	72	69	81	79	.....
31	62.38	62.39	63.56	61.59	61.56	62.34	25	24.5	27.6	28.6	26.4	24.6	29.5	24.3	77	80	70	68	78	90	.....
Mean	61.80	62.02	63.08	61.15	61.39	62.30	23.3	23	28.3	30.1	26.6	24.9	31.2	22.1	89.6	90.7	68.9	62.7	80.4	86.6	.....
Total	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.3

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.				2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.			Amount.	Form and direction.		
														Upper.	Lower.			Upper.	Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*				*0–10*			
1	SSE	2	SSE	1	ESE	3	NNE	4	NNE	4	NNE	4	3	Ci.		S.-Cu.	8	Ci.-S.		S.-Cu.
2	NNE	5	NNE	4	NNE	4	NNE	4	NNE	4	SE	1	10	Ci.-S.		Cu. NE	10	Ci.-S.		Cu. NNE
3	SE	1	SE	1	SE	4	E	3	NNW	1	SSE	4	10	Ci.-S.		S.-Cu.	10	Ci.-S.		S.-Cu.
4	Calm	...	Calm	...	NW	2	NW	3	NW	3	SSE	1	10	Ci.-S.		S.-Cu.	9	Ci.-S.		Cu.
5	Calm	...	SSE	2	SE	4	E	4	NNE	3	SSE	1	1	Ci.-S.		S.-Cu.	1	Ci.		Cu.
6	SE	2	SE	2	E	4	NNE	4	NNW	3	NNE	2	3	Ci.		S.-Cu.	1	Ci.		Fr.-Cu.
7	SE	2	SE	2	E	2	E	4	S	1	SE	2	1	Ci.		S.-Cu.	2	Ci.		Cu.
8	SE	4	SSE	2	E	4	E	4	NW	2	ESE	2	3	Ci.-S.		S.-Cu.	4	Ci.		Cu.
9	S	2	SE	2	SSE	4	WNW	4	NNE	5	NNE	5	10	Ci.		S.-Cu.	7	Ci.		Cu.
10	NNE	5	NNE	4	NNE	4	N	4	NW	2	NNE	2	10	.....		S.-Cu.	10	A.-Cu.		s.-Cu. NNE
11	Calm	...	SbyE	1	E	4	NNW	4	N	4	NNE	2	10	Ci.-S.		S.-Cu.	10	Ci.		Fr.-Cu. N
12	SSE	1	SE	1	E	4	NW	4	NNE	3	NNE	4	7	Ci.-S.		S.-Cu.	2	Ci.-S.		Cu.
13	Calm	...	ESE	2	SE	4	NNE	4	N	4	NNE	3	10	.....		S.-Cu.	3	A.-Cu.		Cu.
14	SE	4	SE	2	ESE	4	NNE	4	NNE	4	NNE	4	7	A.-Cu.		S.-Cu.	1	Ci.		Cu.
15	NNE	4	ESE	1	N	2	NNW	4	NNE	2	N	2	10	.....		S.-Cu.	2	Ci.		Cu.
16	SSE	1	SSE	3	ESE	4	NNW	4	NNW	3	NNE	4	1	Ci.		S.-Cu.	1	Ci.-S.		Cu.
17	NNE	4	SE	2	ESE	4	N	4	NNW	2	S	1	10	Ci.-S.		S.-Cu.	1	Ci.		Cu.
18	S	1	SE	3	SE	4	NW	3	NW	3	NNE	2	2	Ci.		S.-Cu.	1	Ci.		Cu.
19	S	1	SSW	1	ESE	4	N	4	NNE	4	SE	1	10	Ci.-S.		N.	2	Ci.-S.		Cu.
20	SE	4	SE	4	SE	4	W	4	WNW	3	SSE	1	10	Ci.-S.		S.-Cu.	10	Ci.-S.		Cu.
21	SE	2	SE	2	ESE	4	N	4	NW	2	NE	2	10	Ci.		S.-Cu.	2	Ci.-S.		Cu.
22	SE	2	SE	3	SE	4	W	4	W	2	S	1	5	Ci.		S.-Cu. SE	3	Ci.		Cu.
23	S	1	S	2	E	4	N	4	N	3	SSE	1	10	Ci.		S.-Cu.	2	Ci.		Cu.
24	SSE	1	SSE	2	E	4	N	4	NNW	3	NNE	4	7	Ci.		S.-Cu.	1	Ci.		Cu.
25	SSE	1	SSE	1	E	4	NNE	4	N	4	NNE	3	7	Ci.-S.		S.-Cu.	2	Ci.		Cu.
26	NNE	4	ENE	2	NE	3	N	4	NNE	4	NNE	4	7	Ci.		Cu.	1	Ci.		Cu.
27	S	1	SE	1	ESE	2	N	3	NNE	4	NNE	4	4	Ci.		S.-Cu.	1	.....		Cu.
28	NNE	4	NNE	4	NNE	4	N	4	N	4	N	5	10	Ci.		S.-Cu. NNE	5	Ci.		Cu. N
29	NNE	4	SE	1	NNE	4	N	4	NNE	5	NNE	6	4	Ci.		S.-Cu.	7	A.-Cu.		Fr.-Cu. N
30	N	5	NE	5	NNE	4	NNE	5	NNE	4	NNE	4	10	.....		S.-Cu.	4	A.-Cu.		Cu. NNE
31	N	4	NE	4	NNE	4	N	4	N	2	N	4	8	Ci.		S.-Cu.	2	A.-Cu.		Cu.
Mean	.....	2.3	.....	2.2	.....	3.7	.....	3.9	.....	3.1	.....	2.8	7.1	.....		.....	4	.....		.....

BOLINAO.

[$\phi = 16°\ 24'$ N; $\lambda = 119°\ 53'$ E; barometer above sea, 9.7 meters; gravity correction not applied, —1.65 mm.]

FEBRUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	61.88	62.27	63.79	62.38	62.14	63.42	24.6	24.3	25.4	26.1	24.1	23.8	27.1	23.4	90	90	84	77	84	85	------
2	62.68	63.31	64.72	63.52	63.55	64.23	23.6	23.1	24.7	24.3	23.4	22.9	26.3	22.2	85	86	77	77	80	79	------
3	63.49	63.26	64.24	62.74	62.54	63.09	22.5	22.5	24.9	27.1	24	23.1	28.1	22.1	79	79	70	67	80	86	------
4	62.33	62.55	64.04	62.43	62.59	63.10	20.7	19.6	26.4	28	24.6	23	29.2	18.6	92	98	75	70	83	91	------
5	62.79	62.98	64.32	62.66	62.85	63.44	20.1	19	27.9	28.7	25.6	22.4	30.5	18.6	96	96	66	69	76	89	------
6	63.03	63.55	64.56	62.82	62.89	63.73	21.4	19.6	28.6	28.9	24.9	24	31.5	19.5	93	96	60	67	83	88	------
7	63.20	63.54	64.41	62.41	62.74	63.88	22.6	20.5	27.9	30.1	26.4	24.6	31.2	19.4	93	96	62	62	78	85	------
8	63.32	63.96	64.64	62.53	62.50	63.45	21.6	20.1	27.5	29	25.4	24	29.9	19.9	94	96	73	69	82	78	------
9	62.95	63.20	63.84	62.02	61.93	62.83	23.9	24	25.5	27	24.6	24.1	28.3	23.5	80	83	80	74	83	86	------
10	62.13	62.33	63.12	60.86	60.36	61.38	24.2	24	28	29.1	25.7	24.5	30.6	23	88	88	71	68	84	87	------
11	60.89	61.28	62.71	61.02	61.27	62.02	21.1	20.9	28.7	30.1	26.2	25.1	31.7	19.8	93	96	63	61	83	87	------
12	61.20	60.94	61.53	59.16	59.11	60.73	22.7	20.3	28.1	31.9	27.4	23.9	32.6	20.2	91	96	68	48	77	91	------
13	60.04	59.71	60.58	58.61	58.49	60.14	22	22.6	29.1	30.1	26.6	25.4	32.9	21.9	86	82	49	61	80	84	------
14	59.92	59.79	60.96	59.05	58.78	60.02	24.8	24	27.6	29.5	25.8	25.1	30.6	23	85	88	73	66	79	80	------
15	59.55	59.51	60.76	58.85	58.95	60.76	24.8	24.6	28.5	29.6	26.9	25.4	30.6	23.4	83	85	68	67	78	88	------
16	60.10	59.99	60.84	58.65	58.92	60.51	21.6	20.5	29.6	32.7	27.9	26	32.9	20.2	95	96	62	48	82	89	------
17	59.96	59.90	60.97	59.15	58.99	60.44	25	22.1	30.3	31.4	27.1	26.1	33.4	21.7	92	95	56	66	84	90	------
18	59.62	60.03	61.33	59.82	59.39	61.08	25.1	23.6	28.6	30.6	27.4	25.5	31.4	23.4	90	95	78	70	80	88	------
19	60.79	61	62.73	61.17	60.59	61.80	23.9	23.1	29.6	30.6	26.7	24.9	31.4	22	91	91	62	58	80	87	------
20	61.23	61.20	61.99	59.95	60.12	62.07	24.4	23.6	29.5	30.9	27	25.5	32.4	22.1	68	70	56	59	77	64	------
21	61.28	61.58	62.87	60.41	59.99	61.43	24.1	23.9	27.1	31.4	27.6	24.1	32.1	23.6	69	72	63	55	68	80	------
22	61.23	61.50	62.29	61.17	61.24	62.17	23.6	22.6	30	28.5	25.6	24.6	32.1	22	83	89	59	68	79	83	------
23	61.33	60.88	61.84	60.16	59.77	60.41	24	23.5	28.6	29.9	26	25.6	32.9	22.9	81	88	66	65	76	84	------
24	59.76	59.87	60.21	58.50	58.62	60.11	23.6	23.1	30.9	30.6	27	25.5	33.4	22.5	83	78	49	67	80	88	------
25	59.50	60.16	61.19	59.10	58.91	60.32	23.9	22.5	29.5	33	27.9	22.7	33.9	21.9	91	82	52	42	71	86	------
26	59.22	59.63	60.77	59.33	59.41	60.53	21.1	22.6	29	31.6	27.5	23	33.1	21	91	81	49	53	74	88	------
27	59.38	59.43	60.38	58.87	58.98	59.87	22.1	22.5	29.6	30.9	27	23.5	31.9	20	93	95	53	59	74	88	------
28	59.63	59.57	61.02	58.12	58.66	59.63	21	21.5	29.1	30.9	27.9	25.5	32.5	20.9	95	93	59	56	69	79	------
29	58.40	58.59	60.66	58.61	58.72	59.79	24.5	24.3	29.7	32	28	25.9	33.1	22.6	88	72	57	54	70	82	------
Mean	61.06	61.22	62.30	60.49	60.45	61.60	23.1	22.4	28.3	29.8	26.3	24.5	31.3	21.6	87.5	88	64.1	62.9	78.4	84.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	0

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	NNE	4	N	4	NNE	5	NNE	6	N	6	N	6	10	----------	N.-cf.	10	A.-Cu.	Cu. NNE
2	NNE	6	N	6	NNE	6	N	5	N	6	N	6	10	----------	N.-cf. N	10	----------	N.-cf. NNE
3	NNE	6	NNE	6	NNE	5	N	4	N	4	NNE	3	10	----------	N.-cf. NNE	10	----------	Cu. N
4	S	1	S	1	NNE	3	NNW	4	N	3	S	1	4	Ci.	S.-Cu.	2	Ci.	
5	S	1	SSE	1	E	3	NNE	4	NNW	2	S	1	1	Ci.	S.-Cu.	9	Ci.-S.	S.-Cu.
6	S	1	S	1	ESE	4	NNE	4	N	4	NNE	4	10	Ci.-S.	S.-Cu.	3	Ci.	S.-Cu.
7	S	1	S	1	ESE	5	NNE	4	NW	4	NNE	3	1	Ci.	S.-Cu.	2	Ci.	Cu.
8	SSE	1	S	1	NNE	3	NW	4	N	4	NNE	4	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu. NW
9	NNE	4	N	4	NNE	4	N	4	N	4	NNE	4	10	----------	S.-Cu. NNE	10	Ci.	Cu. N
10	NE	2	NNE	1	NNE	4	NNW	4	N	3	NNE	3	10	Ci.-S.	Cu.	10	Ci.-S.	Cu. NNW
11	S	1	S	1	E	4	NW	4	N	4	NNE	4	6	Ci.	S.-Cu.	1	Ci.	Cu.
12	SSE	1	SSE	1	SE	5	E	4	WNW	2	S	1	2	Ci.	S.-Cu.	1	Ci.	Cu.
13	SE	2	SSE	2	SE	5	W	4	NW	4	N	3	1	A.-S.	S.-Cu.	1	Ci.-S.	Cu.
14	NNE	4	NNE	2	NNE	4	NNE	4	NNE	4	NNE	4	10	Ci.-S.	S.-Cu. NE	1	Ci.	Cu.
15	NNE	4	NNE	3	NNE	4	NNW	4	NW	3	NNE	2	10	Ci.	S.-Cu. NNE	9	Ci.	Cu.
16	S	1	S	1	ESE	4	N	4	WNW	3	NNE	4	1	Ci.	S.-Cu.	1	Ci.	Cu.
17	Calm	----	S	1	ESE	4	NNW	4	N	4	NNE	4	2	Ci.	S.-Cu.	1	Ci.	Cu.
18	N	2	S	1	E	4	NNE	4	NNW	4	Calm	----	10	Ci.	S.-Cu.	9	Ci.	S.-Cu.
19	S	1	SSE	1	E	4	NNE	4	NNE	4	SE	4	2	Ci.	S.-Cu.	1	Ci.	Cu.
20	SE	5	SE	4	ESE	4	NNE	4	ENE	2	SE	4	2	Ci.-S.	S.-Cu.	4	Ci.-S.	Cu.
21	SE	4	SSE	2	SSE	4	NNE	4	ESE	2	SE	2	10	----------	S.-Cu.	7	A.-Cu.	S.-Cu.
22	SSE	2	SE	2	E	4	NNE	4	NNE	5	NNE	7	7	Ci.	S.-Cu.	10	----------	S.-Cu.
23	NNE	4	SE	1	E	4	NNE	5	NNE	5	NNE	2	3	Ci.	S.-Cu.	5	Ci.-S.	Fr.-Cu.
24	SE	2	SE	4	SE	4	WNW	4	WNW	3	Calm	----	4	Ci.-S.	S.-Cu.	4	Ci.	Cu.
25	SE	2	ESE	2	ESE	5	E	4	W	2	S	1	10	Ci.	S.-Cu.	10	Ci.-S.	Cu.
26	SSE	2	SSE	3	SE	5	NW	4	WNW	3	S	1	10	Ci.	S.-Cu.	10	Ci.	Cu.
27	SE	1	SE	2	SE	4	W	4	WNW	3	SSE	2	3	Ci.	S.-Cu.	3	Ci.	Cu.
28	ESE	1	S	1	E	4	NNE	4	NW	4	S	2	3	Ci.	S.-Cu.	1	Ci.	Cu.
29	ESE	2	ESE	4	SE	4	NW	4	NNW	2	NE	3	3	Ci.	S.-Cu.	2	Ci.	Cu.
Mean	------	2.3	------	2.2	------	4.2	------	4.1	------	3.6	------	2.9	6	----------	----------	5.4	----------	----------

BOLINAO.

[$\phi = 16°\ 24'$ N; $\lambda = 119°\ 53'$ E; barometer above sea, 9.7 meters; gravity correction not applied, —1.65 mm.]

MARCH, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.36	59.85	61.06	58.97	59.11	61.08	22.7	21.7	30.6	32.1	27.5	25.7	35	20.4	91	93	51	54	70	85	
2	60.24	60.72	62.32	60.07	59.86	61.34	22.5	22.5	29.6	31.9	27.7	26.1	33.4	21.9	91	86	55	50	76	85	
3	60.97	61.16	62.53	60.96	60.41	61.06	22.2	22.5	31.7	31.7	27.7	26.3	33.2	20.6	92	79	47	56	74	82	
4	60.54	60.97	62.55	60.09	59.72	60.68	23.8	23.7	31.1	32.6	28	26.5	33.9	22.6	88	80	54	50	73	81	
5	59.77	59.98	61.01	59.59	59.53	60.66	23.9	24.5	30.5	32.1	27.6	23.5	33.9	22.8	77	72	48	55	74	88	
6	60.43	60.76	61.58	59.33	59.46	61.23	23.1	20.5	29.5	31.9	28	24.6	33.7	20.3	91	91	58	56	73	87	
7	60.38	60.80	62.37	60.38	60.11	61.28	22	22.1	30	31	27.4	25.6	32.6	21.6	91	93	61	61	78	90	
8	60.77	61	61.96	60.09	60.20	61.73	23.1	22.6	30.3	33.6	28.6	26	35	21.9	93	90	56	44	69	84	
9	61.44	61.72	62.72	61	60.25	61.13	24.4	23.2	31.5	32.5	28.6	27.2	33.7	23.1	88	91	54	55	72	83	0.3
10	60.83	61.19	62.31	59.74	59.37	60.48	25.6	25.2	29.6	32.9	28.1	26	33.6	24.6	88	92	63	54	77	85	
11	59.62	59.72	60.77	58.86	58.08	58.74	24.1	21	30.6	31.7	27.9	23.7	34.1	20.7	90	87	50	51	71	86	
12	57.91	57.97	59.24	57.70	57.34	58.39	23	23.1	30.5	32.1	27.6	23.5	32.9	22.4	91	90	54	54	73	86	
13	57.81	58.47	60.32	58.04	57.72	59.48	22.3	21	30.3	31.7	28.4	24.6	32.6	20.9	89	94	66	56	68	83	
14	58.86	59.31	61.22	58.87	58.53	60.01	23.3	23.1	30	31.6	28.6	24.5	32.8	22.2	90	91	69	56	68	83	
15	59.59	59.72	61.43	59.67	59.45	60.58	23.9	22.9	32.1	32.9	28.2	26.6	33.1	22	87	91	54	60	73	77	
16	59.77	60.06	61.97	59.90	59.42	60.83	25.1	25	28.9	31.7	27.6	26.6	32.1	23.1	88	88	71	62	76	80	
17	60.23	60.94	62.94	60.50	60.06	61.54	26.5	26.1	28.4	30.9	26.6	25.9	31.5	25.7	74	79	68	63	77	83	
18	60.76	61.06	62.74	60.62	60.61	61.91	25.8	25.8	27.4	29.9	26.5	26	31	24.6	83	84	74	65	73	83	
19	61.17	61.50	62.76	60.93	60.50	62.27	23.9	24.1	30.6	32.5	28	25.7	33.6	23.6	78	72	52	52	66	83	
20	61.33	61.53	62.11	60.15	60.31	62.39	23	23.6	30.6	32.1	28	24.7	33.8	22.6	86	81	51	54	71	83	
21	61.62	61.97	63.75	61.47	61.05	62.77	23.4	24	31.1	31.9	28	27.1	33.2	23.1	92	91	54	54	70	74	
22	62.16	62.54	63.08	60.66	60.72	62.56	24	24	32.1	34.7	28.7	24.6	35.6	23.4	85	75	42	37	66	83	
23	61.64	61.92	62.27	59.81	59.66	61.47	24.5	21.9	32.6	34	28.6	27	35.4	21.8	74	76	38	51	68	78	
24	61.17	61.69	62.55	60.93	60.96	62.23	23.5	22.4	30.5	31.6	28.1	26.6	32.8	22.1	90	84	56	61	68	80	
25	61.82	61.80	62.61	60.41	60.90	62.37	26.1	24.6	32.1	34.5	29.1	26.6	35.9	23.4	85	82	47	54	71	83	
26	61.52	61.53	61.80	59.67	59.92	62.34	23.6	23.8	31	32.9	28.4	23.4	35.1	22.7	86	77	42	51	62	81	
27	61.19	61.40	62.70	60.55	60.58	62.04	23.4	23.6	30.6	32.5	28.6	27.3	34.9	22.6	76	70	47	50	65	76	
28	61.13	61.14	62.38	59.58	60.04	61.61	22.9	22.1	31	34.5	29	24.4	35.3	21.9	84	82	48	44	68	85	
29	60.82	60.84	62.76	60.97	60.50	61.82	23	23.9	31.5	34	28.6	26.3	35.4	22.1	91	77	50	40	66	79	
30	61.14	61.38	62.45	60.64	60.58	62.47	23.5	24.1	32.4	33	28.6	25.6	35.1	22	88	77	48	55	78	84	
31	61.32	60.94	62.43	60.20	60.27	61.72	24.1	24.3	32.1	32	29.1	26.6	35.1	23.7	70	68	44	52	73	83	
Mean	60.56	60.83	62.09	60.01	59.85	61.30	23.7	23.3	30.7	32.4	28.1	25.6	33.8	22.5	86	83.3	53.9	53.5	71.2	82.7	
Total																					0.3

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*						
1	SSE	1	SSE	2	SSE	5	WNW	4	WNW	4	ENE	2	4	A.-S.	S.-Cu.	3	Ci.	Cu.	
2	S	1	ESE	2	ESE	5	NNE	4	N	2	NE	3	10	Ci.	S.-Cu.	1	Ci.	Cu.	
3	S	1	S	2	ESE	4	NW	4	N	4	NNE	4	4	Ci.-S.	S.-Cu.	3	Ci.	Cu.	
4	SE	2	SE	4	E	4	ESE	4	NW	3	NE	2	10	Ci.-S.	S.-Cu.	9	A.-Cu.	S.-Cu.	
5	SE	2	SE	4	ESE	5	WNW	4	WNW	3	S	1	8	Ci.	S.-Cu.	7	Ci.	Cu.	
6	SSE	1	SSE	2	E	4	N	4	N	3	SE	1	4	Ci.-S.	S.-Cu.	1	Ci.	Cu.	
7	SSE	1	SSE	1	ESE	4	N	4	N	4	Calm		3	Ci.	S.-Cu.	1	Ci.	Cu.	
8	S	1	SE	2	ESE	5	E	4	N	3	E	1	1	Ci.	S.-Cu.	1	Ci.	Cu.	
9	SE	1	SE	2	E	4	NW	4	NW	4	NNE	4	7	Ci.	S.-Cu.	1	Ci.	Cu.	
10	ESE	1	SE	1	SE	4	WNW	4	W	4	S	1	10		N.-cf.	2	Ci.	Cu.	
11	S	3	S	1	E	4	N	4	NW	3	SE	2	9	Ci.	S.-Cu.	6	Ci.	Cu.	
12	SSE	2	S	2	E	4	NW	4	W	3	S	1	9	Ci.	S.-Cu.	10	Ci.-S.	Cu.	
13	S	1	S	1	N	4	N	4	W	2	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.	
14	S	1	NNE	2	NNE	3	N	4	NW	2	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.	
15	SSE	2	S	1	NE	3	WNW	4	NNE	3	NE	3	10	Ci.-S.	S.-Cu.	5	Ci.-S.	Cu.	
16	NE	2	NNE	2	NNE	4	N	4	N	4	NNE	4	10	Ci.-S.	S.-Cu. NNE	5	Ci.	Cu.	
17	NNE	4	NNE	5	NNE	5	N	4	N	5	NNE	5	10	Ci.-S.	S.-Cu. NNE	9	Ci.-S.	Cu.	
18	NNE	4	ENE	1	N	4	N	4	N	4	ESE	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu.	
19	SSE	2	SSE	3	ESE	4	NW	4	WNW	3	ESE	1	10		S.-Cu.	2	Ci.	Cu.	
20	SSE	2	SE	3	ESE	5	W	4	W	2	SE	1	10	Ci.	S.-Cu.	1	Ci.	Cu.	
21	SSE	1	SSE	1	E	4	NNE	4	NNE	4	NNE	3	10	Ci.	S.-Cu.	3	Ci.	Cu.	
22	SE	2	SE	2	SSE	5	E	4	N	3	SE	2	1	Ci.	S.-Cu.	2	Ci.	Cu.	
23	SSE	3	SSE	3	E	5	W	4	W	3	NW	2	2	Ci.-S.	S.-Cu.	3	Ci.	Cu.	
24	SSE	1	SE	2	E	4	N	4	NNE	4	NNE	4	4	Ci.-S.	S.-Cu.	1	Ci.	Cu.	
25	ENE	3	SE	4	SE	5	WNW	4	WNW	3	ESE	1	5	Ci.-S.	S.-Cu.	2	Ci.	Cu.	
26	S	2	S	2	SSE	6	W	4	W	4	S	1	2	Ci.	S.-Cu.	3	Ci.	Cu.	
27	SE	3	SE	4	ESE	6	W	4	N	3	NNE	3	1	A.-S.	S.-Cu.	3	Ci.	Cu.	
28	SE	1	SE	2	ESE	4	WNW	4	NW	3	SSE	1	1	A.-S.	S.-Cu.	5	Ci.	Cu.	
29	SSE	1	SE	2	SE	4	NNE	4	NNE	4	SE	1	1	A.-S.	S.-Cu.	3	Ci.	Cu.	
30	SSE	1	SE	3	E	4	WNW	4	N	4	S	1	3	A.-S.	Cu.	2	Ci.	Cu.	
31	S	4	SSE	4	E	4	NNE	4	N	4	ESE	1	1	Ci.	S.-Cu.	2	Ci.	Cu.	
Mean		1.8		2.3		4.4		4		3.4		1.9	6.1			4.1			

BOLINAO.

[ϕ=16° 24′ N; λ=119° 53′ E; barometer above sea, 9.7 meters; gravity correction not applied, —1.65 mm.]

APRIL, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.37	60.39	61.67	59.28	59.72	61.46	24.5	24.1	32.1	35.1	29	27.1	35.9	23.1	69	70	40	39	67	78	------
2	60.87	61.35	61.61	59.45	60.22	61.75	25.6	24	31.1	32.6	29	28	35	23.9	86	75	51	55	68	77	------
3	60.99	61.18	62.17	60.10	59.75	60.71	27.1	24.9	32.1	32.6	28.3	27.4	34.6	23.7	79	79	53	55	62	77	------
4	60.02	60.23	60.73	58.60	58.88	60.17	25.9	22.6	33.1	32.8	28.6	27.1	35.1	22.4	84	86	40	58	73	83	------
5	60.07	59.94	60.97	59.34	59.36	60.71	25.3	23.6	32	33.4	29	27.3	34.9	23.5	88	86	53	54	77	78	------
6	60.37	60.27	61.55	59.62	59.45	61.12	27	27.1	30.6	32.1	28	27.1	33.3	26.8	83	80	68	64	79	84	------
7	60.23	60.34	61.27	59.42	59.66	61.27	27.1	25.1	32.1	32.2	28.4	25.6	34.1	25	87	92	55	65	77	88	------
8	60.18	60.27	61.30	59.55	59.69	61.14	24.6	24.2	32.1	32.5	28.9	25.9	33.6	23.4	92	93	63	62	72	84	------
9	60.27	60.62	61.85	60.09	60.43	62.07	24.6	24.5	31.9	32.8	28.5	27.6	34.1	23.8	88	90	66	62	75	79	------
10	61.31	61.87	62.81	60.96	61.05	62.18	27.1	27.5	32.9	33.6	29	27.6	34.9	27	84	81	62	60	81	84	------
11	61.42	61.68	62.61	61.09	61.22	62.96	27.1	25.4	33.5	33.5	29.1	28	34.5	24.9	87	92	61	61	78	85	------
12	62.21	62.32	63.30	61.22	61.15	62.27	25.5	27.1	30.6	32.1	28.5	26.6	32.9	25.4	92	80	72	65	79	87	------
13	61.88	62.04	63.46	61.88	62.41	63.77	27.1	27	32.6	33.1	28.5	27.2	35.9	26.5	61	61	46	58	70	81	------
14	62.84	63.22	63.63	60.75	60.73	62.45	24.8	24.2	31.9	33.1	29	28	35.5	23.9	90	82	53	54	74	82	------
15	61.68	61.61	62.26	59.97	60.26	62.03	27.1	26	33.1	33.4	29.6	28.2	35.4	25.9	70	72	50	50	69	79	1.3
16	60.86	60.99	62.76	60.65	60.16	61.52	27.1	25.1	26.1	31.6	28	27	32.4	24.4	83	87	82	68	77	83	2.5
17	60.81	60.96	61.46	59.86	59.96	61.26	26.5	25.6	32.2	33.2	28.5	27	33.8	25	82	87	56	61	77	80	------
18	60.56	60.67	61.52	59.74	59.86	60.85	25.4	25.7	33	32.8	28.5	27.4	34	24.8	86	67	51	62	74	76	------
19	60.33	60.36	60.81	59.23	59.55	60.30	25.4	26	32.4	33	29	28.3	33.7	24.5	82	89	58	61	74	74	------
20	59.28	59.58	60.76	58.94	59.11	60.34	26	26	31.8	33.8	29.8	28.5	34.2	25	88	88	58	54	73	77	------
21	59.36	59.45	60.06	58.97	58.60	60.22	26.5	25.8	32.8	35.2	30	28.6	36.2	25.5	71	76	45	43	71	85	------
22	59.60	59.76	60.24	58.94	58.96	59.87	27	25.4	32.6	33.5	29.2	28.4	34.8	24.8	86	73	49	60	73	80	------
23	59.08	59.28	59.40	58.24	58.20	59.62	26.4	24	33.5	34.5	30	27.3	34.8	23.4	84	91	51	56	74	89	------
24	58.90	59.03	59.57	57.79	57.90	59.45	26.3	25.5	33.6	33.1	30	28.6	34.9	25.1	92	80	46	61	67	84	------
25	58.29	58.73	59.22	57.45	57.90	59.85	26.2	25.4	33.6	34.1	29.6	28.6	35.1	25.1	90	88	53	58	79	86	------
26	59.12	59.21	60.30	58.56	58.60	59.81	27.1	24.9	32.6	33.6	29.5	28.1	35.6	24.7	89	92	57	60	81	85	------
27	59.27	59	60.03	58.38	58.47	60.47	28	26	33.6	33.1	29.9	28.4	35.1	25.6	88	92	58	61	78	85	------
28	59.63	59.73	60.28	58.53	57.99	59.58	26.1	23.9	33.6	33.8	29.5	28.1	35.8	23.6	90	88	46	58	79	84	------
29	58.60	58.80	59.52	57.73	57.48	58.92	26.1	25.1	33.5	34.1	29.9	28.5	35.6	24.6	91	93	58	58	75	85	------
30	58.14	58.15	59.02	56.60	56.47	58.33	27.4	26.4	31.4	32.7	30.1	29	35	26.1	89	92	73	65	77	81	------
Mean	60.22	60.37	61.20	59.36	59.44	60.88	26.3	25.3	32.3	33.2	29.1	27.7	34.7	24.7	84.4	83.4	55.8	58.3	74.3	82	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	3.8

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	SSE	4	SE	4	E	5	E	4	N	4	NNE	3	6	Ci.	S.-Cu.	3	Ci.	Cu.
2	S	1	SE	2	E	4	N	4	NNE	2	NNE	2	9	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu.
3	NNE	3	SSE	2	ESE	4	NNE	4	NNE	4	NNE	4	10	Ci.-S.	S.-Cu.	8	Ci.	Cu.
4	S	1	S	1	ESE	5	WNW	4	W	3	NE	2	3	Ci.	S.-Cu.	3	Ci.-S.	Cu.
5	SE	1	SE	2	E	4	NW	4	NNW	4	NNE	4	2	Ci.	S.-Cu.	10	Ci.-S.	Cu.
6	NNE	4	NNE	4	NNE	4	N	4	N	4	NNE	2	10	Ci.-S.	Cu. NNE	8	Ci.	Fr.-Cu. N
7	NE	1	S	1	S	3	W	4	W	4	S	1	9	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.-N.
8	S	1	S	1	WNW	4	W	4	WNW	3	S	1	10	------	S.-Cu.	7	Ci.	Cu.
9	SSE	1	S	2	N	4	NW	4	NW	3	NNE	4	9	Ci.	S.-Cu.	8	Ci.-S.	Fr.-Cu.
10	NNE	4	NNE	3	N	3	NNW	4	NNE	4	NNE	4	9	Ci.-S.	S.-Cu.	4	Ci.-S.	Cu.
11	Calm	----	S	1	W	4	NW	4	N	4	N	3	7	Ci.-S.	S.-Cu.	3	Ci.	Cu.
12	S	1	NE	4	NNE	4	NNE	4	NNW	3	S	2	3	Ci.	S.-Cu.	7	Ci.	S.-Cu.
13	SSE	5	SSE	5	SE	6	W	4	NW	4	NNE	4	10	Ci.-S.	S.-Cu.	9	A.-Cu.	S.-Cu.
14	S	1	SSE	3	E	4	NNE	4	NNW	3	NNE	4	5	Ci.-S.	S.-Cu.	2	Ci.	Cu.
15	SE	4	SE	3	E	4	N	4	WNW	4	NNE	3	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
16	NNE	3	N	2	NW	3	NNW	4	N	4	N	3	10	Ci.-S.	N.-cf.	10	Ci.-S.	Fr.-Cu.
17	NNE	2	S	2	NE	3	NW	4	NNW	4	N	3	9	Ci.-S.	S.-Cu.	3	------	Cu.
18	SSE	2	SE	4	N	4	W	4	W	4	NNE	3	8	A.-Cu.	S.-Cu.	6	------	Cu.
19	SSE	2	SE	1	S	4	NW	4	NW	4	N	4	10	------	S.-Cu. SE	2	------	Cu.
20	SE	1	SE	1	SSE	4	NW	4	NNW	4	N	4	9	Ci.	N.-cf.	6	Ci.-S.	Cu.
21	SE	4	S	4	SE	5	NE	4	N	4	NNW	4	1	------	Cu.	2	------	Cu.
22	SE	2	SE	4	SE	5	W	4	NW	4	N	2	2	------	Cu.	1	------	Cu.
23	SE	2	SE	1	SE	5	WNW	4	NW	3	S	2	1	------	Cu.	9	A.-Cu.	S.-Cu.
24	SE	2	SE	4	SE	5	NW	4	NW	2	NNE	2	3	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
25	SSE	1	SSE	1	SSE	4	WNW	4	WNW	4	N	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
26	SE	1	ESE	1	E	4	NNW	4	NNW	4	NNE	4	10	Ci.-S.	S.-cu. ESE	1	Ci.	Cu.
27	N	1	SSE	2	NW	3	WNW	4	WNW	3	W	2	4	Ci.	S.-Cu.	2	Ci.	Cu.
28	SE	2	S	1	ESE	4	W	4	WNW	4	N	3	1	Ci.-S.	S.-Cu.	1	Ci.-S.	Cu.
29	SSE	1	SE	1	E	4	NW	4	N	4	NNE	3	10	Ci.	Cu.	2	Ci.	Cu.
30	NNE	2	S	1	N	3	NNW	4	NNE	4	NNE	4	8	Ci.	Cu.	2	Ci.	Cu.
Mean	------	2	------	2.3	------	4.1	------	4	------	3.6	------	2.9	6.9	----------	----------	5.3	----------	----------

BOLINAO.

[ϕ=16° 24′ N; λ=119° 53′ E; barometer above sea, 9.7 meters; gravity correction not applied, —1.65 mm.]

MAY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.24	57.29	58.15	56.60	56.97	58.28	28	27.5	33.5	32.6	30.4	26.8	34.8	26.7	83	84	61	69	75	92	6.3
2	57.24	57.70	59.08	57.54	57.67	59.27	26.5	25.5	31	33.6	30.4	28.9	35.2	25.4	88	96	68	61	72	82	------
3	59.34	59.63	60.57	59.36	59.57	60.94	26.7	25.7	33.6	34.1	30.6	29.1	35.4	25.5	90	87	47	59	70	82	.8
4	60.33	60.15	61.13	59.32	59.08	59.80	28.5	28	31.2	33.6	30.3	28.5	34.6	27.9	85	85	72	61	76	81	------
5	59.16	59.12	59.42	57.88	57.89	58.90	28.1	27.9	33	33.6	30.6	29	35	27.2	83	82	64	61	70	78	------
6	57.99	58.03	58.87	57.63	57.92	59.17	26	24.6	31.6	34.1	30	26.1	34.5	24.3	89	92	71	62	70	85	------
7	58.03	58.47	59.11	58.10	57.67	59.10	24.6	24.6	32.6	33.4	30.1	29	34.9	23.9	94	93	64	59	70	78	------
8	58.29	58.65	59.75	58.42	57.73	59.25	26.6	25.5	31	33	29.6	28.1	34	25.2	87	91	73	63	75	80	------
9	58.16	57.79	58.82	57.45	57.47	59.39	25.5	24.9	33.4	33.6	30.2	26.1	35	24.4	90	92	62	61	71	87	------
10	58.32	58.86	59.64	58.52	58.92	60.21	26	25.9	33.6	34	31	29.6	36	25.6	85	78	47	59	65	78	------
11	59.41	59.58	60.39	58.62	59.11	60.01	28.2	26.1	33	34.5	30.8	29.3	36.1	25.9	81	84	53	56	73	79	------
12	58.64	58.84	59.59	58.33	58.04	59.03	28.5	26.5	33.5	34	31	29.5	36.1	25.6	80	91	61	59	72	76	------
13	57.76	58.29	59.11	57.84	57.35	58.33	28.5	26.5	30.6	33.6	31	29.1	35.5	25.9	83	90	74	61	72	81	------
14	57.43	57.98	59.64	57.84	57.57	58.61	28.5	27.4	30.1	33.6	30.5	26.5	34.9	25.6	83	84	82	62	73	87	.8
15	57.81	58.28	59.37	57.53	57.55	59.03	25.6	25.6	31	35	30.6	26.6	36	24.6	90	90	75	52	72	89	------
16	57.59	57.54	59.09	57.68	57.05	58.38	25.6	25.5	33.4	35	30.6	26.4	36	24.9	97	92	59	58	73	90	------
17	57.83	58.18	59.15	57.73	57.35	58.47	26	26	33	34.6	30.9	25.5	35.4	24.4	92	92	63	56	67	87	------
18	58.19	58.45	59.92	58.69	58.27	59.47	24	24	33.2	33.6	30.7	29.1	35.5	23.2	91	92	66	62	73	81	------
19	58.71	58.77	59.22	57.90	57.47	58.30	28.7	28.7	33.5	34.5	30.6	29.4	35.6	28.5	86	86	62	58	74	78	------
20	57.66	57.66	58.36	56.78	56.72	57.45	28.7	28	32.6	34.1	31.1	29.5	35.5	27.4	82	85	57	60	69	74	------
21	57.33	58.10	59.15	57.43	57.82	58.91	28	27	32.1	33.1	30.1	28.9	34.6	26.1	83	86	66	60	68	72	------
22	58.42	58.39	59	57.84	57.82	58.81	28.4	26.9	33	34.5	30.8	28.5	35.5	25.8	77	78	57	56	64	72	------
23	57.92	58.23	58.90	57.59	58.21	59.14	27.9	25	33	33.9	30.7	28.4	35.1	24.4	71	83	55	52	60	72	------
24	57.97	57.67	58.21	57.13	56.87	58.05	25.6	26.9	33.2	34.5	31	29.4	35.4	25	88	84	60	56	63	71	------
25	57.56	57.58	57.45	55.58	55.92	57.26	27.6	27.1	33.6	34.5	30.9	29.1	36.1	26.5	84	87	56	58	67	78	.3
26	56.29	56.39	57.72	56.38	56.61	57.55	27.5	27.1	32.1	34.6	30.6	29.6	36	26.4	87	90	69	59	72	77	------
27	56.87	56.63	57.66	56.78	57.22	58.20	27.4	27	32.8	34.7	30.3	29.8	36	26.1	84	87	64	58	72	75	------
28	57.31	57.71	58.39	57.13	57.81	59.04	27.7	27	34	35	30.1	27.6	36.1	26.7	86	87	54	57	82	91	6.4
29	58.34	58.65	59.44	57.72	57.74	59.46	26.5	26.6	32.1	30.5	30.9	27.6	34.1	26.1	90	89	66	78	76	92	2.5
30	58.29	58.34	58.91	57.30	57.20	58.92	26.4	26.6	33.5	34.6	31.6	30.1	36	26.3	90	91	61	58	68	74	------
31	57.95	57.95	59.43	57.52	57.11	58.72	27.5	26.6	28.2	32.1	31	27	33.6	26.2	84	84	83	69	72	89	1.5
Mean	58.04	58.22	59.12	57.68	57.67	58.89	27.1	26.4	32.5	33.9	30.6	28.3	35.3	25.7	85.9	87.5	63.6	60	70.8	80.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	18.6

Day.	Wind.										Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	NNE	2	SSE	1	E	4	W	4	W	3	S	2	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N.
2	S	1	S	1	E	4	N	4	N	4	NNE	2	4	Ci.-S.	S.-Cu.	7	Ci.-S.	S.-Cu.
3	SSE	1	SSE	2	S	4	WNW	4	WNW	3	NNE	3	1	Ci.-S.	S.-Cu.	3	Ci.	Cu.
4	NNE	4	NNE	2	E	3	N	4	NNW	4	N	4	8	Ci.-S.	Cu. NE	4	Ci.-S.	Cu.
5	N	3	NNE	2	NNE	4	WNW	4	W	3	NW	2	6	Ci.-S.	S.-Cu.	5	Ci.	Cu.
6	S	1	SE	1	WNW	4	W	4	W	4	S	1	1	Ci.	Cu.	2	----------	Cu.
7	S	1	SSE	1	NNW	4	WNW	4	W	2	NNW	3	4	Ci.-S.	Cu.	3	Ci.	Cu.
8	S	1	S	1	NW	3	NW	4	W	3	S	1	10	Ci.-S.	Cu.	10	----------	S.-Cu.
9	S	2	SE	2	N	4	NNW	4	WNW	4	SSE	4	10	Ci.-S.	S.-Cu.	7	Ci.-S.	Cu.-N.
10	SSE	3	S	2	S	5	W	4	WNW	3	WNW	2	10	Ci.-S.	S.-Cu.	7	Ci.-S.	Cu.-N.
11	S	1	SSE	2	E	4	W	4	W	3	N	3	9	Ci.-S.	S.-Cu.	3	Ci.	Cu.
12	S	1	S	2	E	4	WNW	4	WNW	4	NNW	4	3	Ci.	Cu.	3	Ci.-S.	Cu.-N.
13	NNE	3	S	1	NE	3	WNW	4	NW	3	N	2	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N.
14	S	2	SE	2	E	3	WNW	4	WNW	3	S	1	8	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
15	S	1	S	2	W	4	WSW	5	SW	4	S	1	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
16	S	2	S	3	WNW	4	W	5	WSW	4	S	1	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
17	S	1	S	2	W	4	W	4	W	3	S	1	4	Ci.-S.	Cu.	3	Ci.-S.	Cu.
18	S	1	S	1	NNE	4	NW	4	NNE	4	NNE	4	9	Ci.-S.	Cu.	7	Ci.-S.	Cu.-N.
19	NE	2	NE	2	NNE	4	NNW	4	N	4	N	4	8	Ci.	S.-Cu.	2	Ci.	Cu.-N.
20	S	1	ESE	1	E	4	NW	4	N	4	N	4	8	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
21	S	1	S	2	NNW	4	NW	4	N	3	N	3	6	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
22	WNW	2	NNE	2	NNE	4	NW	4	NW	4	NW	4	10	Ci.-S.	Fr.-Cu.	6	Ci.-S.	Fr.-Cu.NW
23	ENE	3	S	2	N	4	WNW	4	WNW	3	S	2	10	Ci.-S.	S.-Cu.	4	Ci.-S.	Cu.-N.
24	SSE	2	SE	2	E	4	WNW	4	NW	4	N	2	10	A.-Cu.	Cu.	10	Ci.-S.	Fr.-Cu. WNW
25	SE	2	SE	2	E	4	NW	4	NNE	4	NNE	2	5	Ci.-S.	Cu.	6	Ci.-S.	Cu.-N.
26	SE	2	SE	2	N	4	NW	4	WNW	4	NNE	4	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N.
27	S	1	S	2	NE	4	NW	4	N	4	N	2	8	Ci.-S.	Cu.	8	Ci.-S.	Cu.-N.
28	SE	2	SE	3	ESE	4	NW	4	S	1	SE	2	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N.
29	SE	4	SE	2	WNW	4	W	3	W	2	S	1	5	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
30	SE	2	SE	2	SE	4	WNW	4	W	3	WNW	2	10	Ci.-S.	Cu.	4	Ci.-S.	Cu.-N.
31	S	2	S	2	SE	2	NW	3	W	2	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
Mean	------	1.8	------	1.8	------	3.8	------	4	------	3.3	------	2.4	7.6	----------	----------	6.9	----------	----------

BOLINAO.

[$\phi = 16°\ 24'$ N; $\lambda = 119°\ 53'$ E; barometer above sea, 9.7 meters; gravity correction not applied, —1.65 mm.]

JUNE, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.80	57.77	58.56	57.71	57.81	59.47	25.9	26.1	29	33.1	31.2	25.5	34	25.2	92	92	75	69	71	92	11.4
2	59.04	59.24	59.82	58.34	58.45	59.67	25.1	26.1	31.9	34	32.1	29.6	36	24.9	92	91	62	59	65	74	------
3	58.85	58.84	59.38	57.96	58.15	58.65	27.6	27.6	33.6	35	31.3	29.6	36	27	87	87	55	57	67	78	------
4	57.77	57.37	57.45	56.70	57.05	58.52	28.1	26.7	33.6	34.3	31.9	26	35.9	26	86	90	57	61	66	85	18.5
5	57.48	57	57.96	56.64	57.05	58.57	26.3	26.1	32.5	33.1	30.5	27.9	34.5	25.9	90	94	65	63	76	80	.3
6	57.74	57.78	57.76	56.66	56.56	58.97	27	27	32.6	33.1	30.6	27.1	34	26.4	92	92	65	67	74	83	11.2
7	57.91	57.77	57.72	55.90	56.39	58.02	26.3	25.9	31.6	34.6	31.6	28.2	35.1	25.4	90	94	68	54	70	79	.8
8	56.87	57.42	57.92	56.50	56.87	58.48	27.1	25.4	32.1	32.6	30.4	27.2	34.5	25.4	90	90	70	64	70	87	------
9	57.32	57.67	58.47	56.67	57.47	58.78	26.6	26.1	29.5	32	29.5	27	34.1	25.5	89	90	66	66	72	87	.2
10	58.01	58.46	58.23	57.05	57.31	58.92	25.6	26	32	30	31.1	26.9	34.9	25.1	84	85	63	81	71	88	8.9
11	57.94	58.12	58.76	57.13	57.51	59.21	26.6	26.2	32.2	32.9	31	25.5	34	25	90	92	63	65	73	90	16
12	58.36	58.33	59.20	56.56	56.85	59.38	25.5	25.1	31.5	32.1	30.6	26.6	33.1	24.1	92	90	68	68	74	84	10.9
13	58.58	58.19	58.37	57.16	57.03	58.95	25.4	24.9	29	28.1	27.5	26.1	29.6	24.1	93	93	78	89	81	92	9
14	57.98	57.95	58.30	57.24	57.89	59.23	25	24	27.3	32	25.6	24.6	32.5	23.9	92	91	81	60	91	95	19.1
15	57.20	56.94	57.14	56.36	58.03	57.48	24.6	25	30	32.1	24.4	24.5	33.1	23.9	95	95	71	65	88	92	10.2
16	56.34	55.95	57.50	56.71	56.03	56.45	25	25.4	25.9	26.6	28.1	26.3	29.9	24.1	92	90	90	92	91	90	35.8
17	55.94	55.49	56.21	55.10	55.15	56.69	25.4	25.4	29.6	31.1	30.3	27.2	32.5	24.9	92	88	84	68	77	89	8.1
18	56	56.20	56.88	56.19	56.64	57.31	26.4	25.6	30.5	31	26	25.5	32	25.2	90	90	74	72	92	92	7.9
19	56.19	56.24	56.93	55.42	55.68	56.74	25.1	25.1	26.6	27.6	25.1	25.1	31.1	24.9	90	90	92	86	95	95	49.2
20	55.93	55.79	56.37	55.30	55.93	57.09	25.5	25.4	29.6	32.7	27.3	25	33.1	24.9	93	93	84	68	86	92	2.1
21	55.64	55.95	56.43	56.16	56.06	57.58	25.1	25.1	30.7	28.6	26.6	25.6	32	24.8	87	92	73	78	83	87	3.6
22	55.71	56.26	57.25	56.35	56.95	57.73	26	25.9	30.4	32.4	28.6	26.6	33.2	25.1	82	85	70	62	76	84	------
23	57.11	57.31	57.52	56.26	56.35	58.04	25.6	25.6	30.5	32.1	29.5	26	33.1	25.3	88	88	76	65	75	89	.3
24	56.07	56.44	57.35	56.16	56.31	58.27	25.7	25.1	31.1	32.4	29.2	27.9	33.5	24.8	87	87	72	58	78	83	------
25	57.19	56.96	57.02	56.14	55.52	58.56	26.2	25.6	31.6	33.5	29.6	27.1	34.1	24.9	87	87	66	61	75	87	------
26	57.53	57.21	58	57.20	57.07	58.75	26.2	25.5	31.9	33	30.1	28	34.2	25.1	90	88	64	63	73	85	------
27	57.25	57.08	57.28	56.38	56.22	57.04	26.2	25.6	32	33	29.6	27	34.6	25.2	90	88	63	63	75	89	------
28	56.34	56.30	56.87	55.78	55.50	57.18	26.1	26.2	30.1	33.1	29.5	27.5	33.5	25.5	92	87	75	59	76	80	1.8
29	56.88	56.53	56.80	56.30	56.56	58.68	26.2	26.1	31.1	32.9	28.9	26.5	34.4	25.4	91	84	68	61	76	84	------
30	57.22	57.29	57.85	56.94	57.11	58.54	25.9	26	31.9	33.5	29.4	26.7	34.6	25.6	88	89	64	61	78	80	------
Mean	57.21	57.20	57.71	56.57	56.82	58.23	26	25.7	30.7	32.1	29.2	26.7	33.6	25.1	89.8	89.7	70.7	66.8	77.2	86.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	225.3

Day.	Wind.										Clouds.				
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	SE	1	SE	1	N	2	WNW	4	S	1	SE	2	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N.
2	SE	1	ESE	2	SE	4	NNW	4	NNE	2	NNE	3	10	----------	S.-Cu.	5	Ci.-S.	Cu.-N.
3	S	1	SE	1	SSE	4	WNW	4	N	4	NNE	3	9	Ci.-S.	Fr.-Cu.	9	Ci.-S.	Cu.
4	ESE	2	SE	2	SSE	4	W	4	W	3	SSE	2	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
5	SSE	1	SSE	3	ESE	4	W	4	SSW	1	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N.
6	S	2	S	2	SE	4	WSW	4	SSW	2	NNE	4	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N.
7	S	1	S	2	S	4	W	4	WSW	4	SE	2	10	Ci.-S.	S.-Cu.	10	Ci.-Cu.	Cu.-N.
8	SSE	1	SSE	2	NW	4	SSW	4	S	2	SSE	1	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N.
9	S	1	SSW	2	SW	4	SSW	4	SSW	4	S	2	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu. SW
10	S	3	S	2	ESE	4	NNE	4	WSW	4	S	2	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N.
11	S	2	S	2	SSE	4	W	4	N	2	S	1	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
12	S	2	SSE	2	E	4	WNW	4	W	4	SSE	2	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
13	SSE	2	SSE	3	SSE	4	SE	4	SSW	1	S	3	10	----------	N.-cf.	10	----------	Cu.-N.
14	S	2	SSW	2	SSE	4	SW	4	WSW	4	SSE	3	10	----------	N.-cf.	10	Ci.-S.	Cu.
15	SSE	3	SE	4	SE	4	SSW	5	WSW	4	SSE	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu. SW
16	SE	3	SE	2	WSW	2	SW	2	SE	1	SSE	2	7	Ci.-S.	Cu.	10	----------	Cu.-N.
17	SSE	2	SSE	2	WSW	2	SW	4	SW	2	SSE	3	10	Ci.-S.	S.-Cu.	10	A.-Cu.	Cu. SW
18	S	2	S	2	S	4	SSW	4	SSW	1	S	4	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
19	S	4	SE	2	S	3	S	4	S	4	S	3	10	Ci.-S.	Cu.-N.	10	----------	N.
20	S	3	SSE	4	SSW	4	SSW	4	ESE	1	S	3	10	Ci.-S.	N.-cf.	10	A.-Cu.	Cu. SW
21	SSW	4	S	3	SSE	4	SSW	4	S	3	S	4	10	----------	S.-Cu.	10	----------	S.-Cu.
22	SSE	5	SSE	2	S	4	SSW	5	S	4	S	2	10	----------	S.-Cu.	10	Ci.-S.	Cu. SSW
23	S	2	S	1	SSE	4	SSW	4	SW	2	S	2	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu. SW
24	SE	2	SE	2	SSE	4	SSW	5	SW	2	S	2	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
25	S	2	S	2	S	4	SW	5	WSW	3	S	1	10	Ci.-S.	Cu.	10	Ci.-S.	Fr.-cu. sw
26	SSE	2	SSE	2	S	2	W	5	WSW	4	S	1	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
27	S	2	S	2	S	4	WSW	4	WSW	2	SSE	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
28	SE	2	SSE	2	WSW	4	SW	5	SW	4	S	2	7	Ci.-S.	Cu.	10	Ci.-S.	Cu. SW
29	SSE	2	SSE	2	SSE	4	SW	5	SW	4	S	4	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N.
30	S	1	S	2	SSW	4	W	5	SSW	2	SSE	2	10	----------	S.-Cu.	10	Ci.-S.	Cu.
Mean	------	2.1	------	2.1	------	3.7	------	4.2	------	2.7	------	2.3	9.8	----------	----------	9.8	----------	----------

BOLINAO.

[ϕ=16° 24′ N; λ=119° 53′ E; barometer above sea, 9.7 meters; gravity correction not applied, —1.65 mm.]

JULY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.									Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.09	57.15	57.68	56.38	56.53	58.94	26.1	26	31.6	29	26.4	26.5	34.5	25.4	88	87	62	82	89	95	35.1
2	57.28	56.58	56.81	56.01	56.13	58.19	25.8	25.9	30.6	32.6	29.6	26.5	33.5	25.4	95	94	72	69	79	92	3
3	57.07	56.96	57.75	56.76	56.75	58.77	25.9	25.5	30.3	31.4	29	26.5	33.2	25.2	92	93	76	67	82	92	2.3
4	58.02	58.28	58.75	57.45	57.42	58.73	26.3	26	30.9	32.1	29.6	27.1	32.9	25.5	92	93	78	69	77	90	.3
5	58.28	58.38	58.10	57.15	56.90	58.82	26	25.6	30.9	31.9	28.5	26.6	33.8	24.9	92	95	68	70	79	87	
6	57.14?	57.54	57.83	57	56.60	58.08	25.9	25.1	31.1	28.9	29.4	26.6	33.5	24.4	92	92	66	82	78	92	1.8
7	57.41	57.33	57.42	56.02	56.11	58.06	25.2	25.6	31.6	31	29.4	24.9	33	24.6	92	92	71	73	72	90	24.6
8	56.71	56.61	57.07	56.17	56.54	57.66	24.9	24.9	29.9	30.6	27.5	24.8	33.1	23.4	92	93	70	74	87	93	18.6
9	56.34	56.19	57.02	56.35	56.11	57.34	24.2	25.4	29.1	30.5	28.7	26	31.1	24.1	94	93	74	69	80	92	
10	56.41	56.58	57.36	56.23	57.42	58.32	25.6	25.4	30	33	27	25.4	34	25.1	88	88	73	59	87	92	2.8
11	57.13	57.44	58.35	57.05	57.59	58.57	24.9	25	29.9	31.4	26.6	25.6	33	24.8	92	92	78	72	89	93	6.4
12	57.68	57.33	57.64	56.96	57.11	58.79	25.2	24.9	29.4	32.1	29	26.1	33.2	23.9	93	92	75	69	78	92	2
13	57.20	57.21	57.85	56.82	56.63	58.17	26	26	31.1	32.1	30	29.1	33.6	24.9	93	92	71	66	71	78	
14	57.12	56.85	57.90	56.50	57.07	58.72	29.1	26	31.6	33.1	28.4	24.9	33.9	23	78	92	70	63	82	92	41.7
15	57.47	57.68	58.12	56.36	57.17	58.51	24.8	25.1	30.6	31.9	30	27.3	33.4	24.4	93	93	70	70	75	86	.3
16	57.36	57.63	58.10	57.21	57.78	58.24	25.3	25.2	31	31.5	24.2	24	32.5	23.5	90	90	72	70	90	95	16.3
17	57.06	57.17	57.73	56.87	57.24	57.76	24.2	24.3	29.5	32.1	24.5	24.4	33.1	23.6	93	91	76	70	92	93	25.6
18	57.14	56.70	56.28	55.50	55.18	55.99	24.2	24.4	30.1	31.3	27.5	26.4	32.3	23.9	95	96	80	71	84	92	1.3
19	54.86	54.30	54.55	53.09	52.51	54.19	25.3	25.4	31	31.6	29.9	27.2	33.5	25.1	93	93	79	71	80	90	
20	53.26	53.39	54.04	52.84	52.57	53.63	26.1	25.6	29.4	31.7	26.7	26.5	33.5	25.2	92	88	78	71	84	92	1.3
21	52.99	53.10	53.90	52.78	53.27	54.63	25.7	25.5	27.9	26.9	24.9	24.2	29.1	24	93	93	79	87	95	95	34.9
22	53.47	53.92	54.60	54.11	54.16	55.36	24.4	24.6	26.5	25	24.1	24.6	27.7	24	95	95	94	95	95	96	68.3
23	53.54	53.99	54.94	53.69	54.21	56.36	24.5	24.3	26	28	25.4	24	29.5	23.2	96	97	94	85	92	96	83
24	55.72	55.40	56.04	55.46	55.20	56.66	23.5	23.5	25.4	27	24	24	27.9	22.9	97	97	92	89	93	96	12.6
25	56.58	55.95	56.75	56.17	56.10	58.15	23.3	23.6	28.4	28.1	26.9	24.5	30.1	23	96	95	79	83	89	93	1.6
26	56.95	56.71	57.33	56.31	56.24	57.56	24.2	24.4	29.4	31	27.5	25.9	31.6	23.9	94	93	78	68	81	88	
27	56.36	56.26	56.66	55.92	55.72	56.22	24.9	24.4	29.9	29.1	27.9	25.7	31.5	23.1	96	97	75	78	89	93	3.5
28	55.89	54.96	55.74	54.64	54.29	55.80	24.7	25	28.1	26.3	26.7	24.5	29.8	24	94	93	85	94	90	93	3.1
29	55.40	54.99	55.96	55.11	55.34	57.04	24.2	24.4	27.1	30.5	26.9	24.3	31	23.7	96	96	83	73	89	95	13.9
30	56.07	55.91	56.07	55.35	55.05	55.96	23.7	24	26	27.6	24.9	24.3	29	23.5	97	97	92	89	95	97	206.3
31	55.32	54.96	55.46	53.52	52.41	54.42	24.4	24.1	25.2	29	25	24.8	29.6	23.4	97	98	95	79	93	95	118.3
Mean	56.33	56.24	56.77	55.73	55.79	57.21	25.1	25	29.3	30.3	27.3	25.6	32	24.2	92.9	93.2	77.6	75.1	85	92.1	
Total																					728.9

Day.	Wind.										Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.		Amount.	Form and direction.	
														Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	SSE	2	SE	2	SSE	4	SE	2	W	3	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	N.-cf.
2	S	1	S	1	S	3	WSW	4	WSW	2	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
3	S	1	SE	2	S	2	WSW	4	SW	2	SE	2	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
4	S	2	S	2	SSE	4	SSE	3	SSW	4	SSE	2	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
5	SSE	2	SE	2	S	4	SW	4	SSW	4	S	3	10	Ci.	S.-Cu.	10	Ci.	Cu.
6	S	2	S	2	S	3	W	3	SW	2	SSE	1	10	Ci.-S.	Cu.	10	----------	N.
7	SSE	2	SSE	2	WNW	3	W	4	W	4	SSE	1	4	Ci.-S.	Cu.	10	Ci.-S.	N.-cf.
8	SSE	2	SSE	2	SSE	3	WNW	3	SW	1	S	1	10	Ci.-S.	S.-Cu.	10	----------	Cu.-N.
9	S	1	SbyE	2	SSE	4	SE	2	S	2	S	1	10	A.-Cu.	S.-Cu.	10	----------	N.-cf.
10	SSE	2	SSE	2	S	4	E	3	E	1	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N.
11	S	1	SSE	1	ESE	4	WSW	3	ESE	2	SSE	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N.
12	SE	1	SE	2	SE	4	W	4	Calm	----	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N.
13	SSE	1	SSE	2	ESE	2	N	4	N	4	N	4	8	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
14	N	3	SSE	1	SE	4	E	4	NNE	3	S	1	10	Ci.-S.	Fr.-Cu.	10	Ci.-S.	Cu.
15	S	1	S	2	SSE	4	W	4	NW	4	SE	2	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
16	SE	2	SE	2	S	3	W	4	S	2	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
17	S	2	S	3	ESE	3	WNW	4	SSW	1	S	1	9	Ci.-S.	S.-Cu.	10	A.-Cu.	Cu.
18	S	1	S	1	NW	2	WNW	2	N	4	SSE	1	10	Ci.-S.	N.-cf.	10	Ci.-S.	S.-Cu.
19	SSE	1	SSE	1	NW	2	SE	4	Calm	----	SSE	3	10	Ci.-S.	Cu.	10	Ci.-S.	S.-Cu.
20	SSE	1	SE	3	ESE	4	SW	4	S	4	SSE	4	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N.
21	SE	4	SE	4	S	6	S	4	SSE	4	SSE	4	10	----------	N.-cf.	10	----------	N.-cf.
22	SE	4	SE	4	SE	4	SSE	3	S	4	SW	4	10	----------	N.-cf.	10	----------	N.
23	SSE	4	S	4	SSE	4	S	5	S	4	S	4	10	----------	N.-cf.	10	A.-Cu.	Cu.
24	S	3	S	3	S	4	S	4	S	3	S	4	10	----------	N.	10	----------	N.-cf.
25	S	3	SSE	3	S	5	SSW	5	SSW	1	S	4	10	Ci.-S.	S.-Cu.	10	Ci.-S.	N.-cf.
26	S	2	S	3	SSE	5	SSW	4	SSW	1	S	2	5	Ci.-S.	S.-Cu.	10	Ci.-S.	N.-cf.
27	SSE	2	SE	1	SE	3	E	3	Calm	----	SSE	1	8	Ci.-S.	Cu.-N.	10	Ci.-S.	S.-Cu.
28	S	1	SSE	3	SE	3	S	2	SSW	1	S	2	10	----------	N.	10	----------	N.
29	S	3	S	1	S	5	SW	3	S	1	S	2	10	----------	N.-cf.	10	Ci.-S.	
30	S	2	S	4	S	5	SSW	5	SSE	3	S	2	10	----------	N.-cf.	10	----------	N.-cf.
31	SSW	4	SSW	2	SSE	2	SW	6	SW	4	SW	4	10	----------	N.	10	Ci.-S.	N.-cf.
Mean		2		2.2		3.6		3.6		2.4		2.1	9.5			10		

BOLINAO.

[ϕ=16° 24′ N; λ=119° 53′ E; barometer above sea, 9.7 meters; gravity correction not applied, —1.65 mm.]

AUGUST, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	53.16	52.47	53.15	52.67	51.77	52.86	25	25	24.6	25	26.6	25.1	27.3	24.4	93	93	93	94	92	95	81.6
2	53.16	53.23	55.23	55.01	55.06	56.21	25	23.6	23.6	24.4	24	24	25.9	23.2	97	98	98	97	97	97	128.5
3	55.92	55.51	57.52	56.89	56.16	57.51	23.7	24.3	24	24.6	25	23.9	26.5	23.4	97	97	97	95	93	93	70.9
4	56.53	56.58	56.80	56.02	56.39	57.60	23.5	23.7	27.9	29.9	27.1	24.6	30.9	23.2	97	97	83	77	83	92	.5
5	57.11	56.51	57	56.41	56.17	58.06	24	24	29.4	29.5	28	26	30.6	23.6	95	96	78	79	77	92	1.3
6	57.64	57.40	58.24	57.42	57.76	58.73	24.4	23.7	29.6	30.2	28.1	25.2	30.7	23.5	91	94	74	73	80	87	1.5
7	58.19	58.41	59.49	58.09	58.09	58.88	24.6	24.4	28.3	30	27.5	25.6	31.1	23.9	92	91	82	74	81	90	1.8
8	57.80	57.66	58.18	56.79	56.89	57.83	24.5	24.1	29	29	27.5	25	29.6	23.9	92	95	78	82	84	92	.1
9	56.62	56.60	57.27	56.36	56.57	57.63	24.5	24.5	29.6	29.7	28.6	24.9	31.9	24.1	95	96	75	81	85	93	3.8
10	56.99	56.94	57.63	56.15	56.62	58.15	23.6	24.2	29.4	31.2	26.9	24.1	31.7	23.4	97	96	76	72	86	95	35.1
11	57.24	56.86	57.65	56.04	55.77	56.75	23.8	23.9	25	28.3	26.5	24	28.6	23.6	97	97	95	82	87	97	11.1
12	55.89	55.31	55.61	54.50	54.16	55.53	24	24.1	27.4	31.1	27	25	32	23.9	97	93	84	73	84	95	4.1
13	54.84	54.27	54.62	53.70	53.68	55.36	24.2	23.6	29.3	31	28.1	25.1	32	23.4	95	96	76	75	83	95	7.1
14	54.91	54.81	55.69	55	55.11	57.15	24.1	24.1	28.1	32	29.4	26.5	32.5	23.7	96	96	89	71	79	90	.4
15	56.23	56.49	57.07	56.38	56.50	58.01	25.5	24.7	29.9	26.8	26.9	25.8	31	24.6	92	96	75	86	87	93	52.8
16	57.29	57.45	58.21	56.55	56.47	57.48	25.4	24.6	29.9	30.6	28.1	25.4	31.8	24.4	93	95	78	80	83	93	8.9
17	56.74	56.74	57.21	55.95	56.14	56.97	25.1	24.9	30	30.6	27.6	25.6	31.4	24.6	95	94	80	74	84	93	.3
18	56.18	56.03	56.89	56.24	56.11	56.79	25.6	25	28	28.8	25.8	24.8	29.6	24.4	95	96	86	86	95	97	9
19	56.39	56.05	57.10	55.60	54.96	56.90	24.6	24.5	26.1	31	28.5	26	31.8	24.3	97	97	94	76	85	92	15.7
20	56.33	56.49	57.03	55.40	56.16	57.73	25.4	24.6	30.1	31.6	28.5	26.6	32.4	24.5	93	95	75	72	82	90	1.8
21	55.98	56.29	57.39	56.43	56.14	57.18	25.4	24.5	29.4	26.9	27.5	26	30.7	24.4	93	96	79	90	88	94	5.9
22	56.98	56.67	57.54	56.08	55.64	57.24	25.4	24.9	28.6	30.9	28.5	26	32.1	24.7	93	93	81	69	81	92	.8
23	56.14	55.49	56.38	54.87	54.98	56.39	25.2	25.2	29.5	31.1	27.5	25.1	32.5	24.9	95	95	79	73	83	92	------
24	55.85	56.11	57.11	55.55	55.79	57.34	24.5	24.6	29.9	28.4	26.9	24.9	32	24.2	95	95	74	85	86	94	15.2
25	56.44	56.50	57.07	55.02	54.94	55.84	24.9	24.6	28	31.1	27.5	25.1	31.7	24.1	95	97	88	77	84	93	4.8
26	54.66	54.03	54.69	52.84	52.65	53.98	24.6	24.5	25.6	28.6	27	25.2	29.1	24.2	95	95	93	82	86	93	1
27	52.73	51.93	52.50	51.49	51.30	52.51	24.3	24	29.6	26.6	25.6	25	30.9	23.7	96	97	75	90	93	95	39.6
28	51.98	51.32	52.02	51.56	52	53.10	24.4	24.2	29.1	31.2	27	25.2	32.1	23.9	97	97	82	72	89	95	19
29	52.40	52.46	53.33	52.80	52.62	53.90	25	25.5	29.2	27	26.5	25.6	30.5	24.9	97	95	81	91	91	95	33
30	53.56	53.87	55.09	54.53	53.93	54.76	24.9	24.6	25.8	25	24.4	24.5	26.9	23.9	97	97	93	97	97	96	150.8
31	53.36	53.03	54.07	53.18	52.52	53.28	24.8	24.1	24.2	24.4	24.6	24.4	25.9	23.2	97	98	97	95	97	97	81.8
Mean	55.65	55.47	56.28	55.21	55.13	56.38	24.6	24.4	28	28.9	27.1	25.2	30.4	24	95	95.6	83.5	81.3	86.5	93.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	788.2

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	SW	5	SW	6	SW	5	SW	4	SW	4	SW	4	10	----------	N.-cf. SW	10	----------	N.
2	SW	3	S	2	S	2	S	4	SE	4	SSE	4	10	----------	N.	10	----------	N.
3	SSE	4	SSE	4	S	2	S	2	SE	3	SSE	2	10	----------	N.-cf.	10	----------	N.
4	S	2	S	4	S	4	SE	4	SSW	3	S	2	10	----------	S.-Cu.	10	A.-Cu.	S.-Cu.
5	S	1	SE	2	SE	4	W	1	SW	4	S	1	4	Ci.-S.	S.-Cu.	8	Ci.-S.	N.-cf.
6	S	2	S	2	S	3	W	4	SW	2	S	3	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu.
7	S	2	S	2	SW	3	W	4	W	1	S	1	10	Ci.-S.	N.-cf.	8	Ci.-S.	Cu.
8	S	2	S	2	SSW	1	SW	2	SW	1	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
9	S	2	S	3	ESE	2	W	4	Calm	----	SSE	4	10	Ci.	Cu.-N.	10	Ci.-S.	Cu.-N.
10	S	1	S	4	S	2	W	4	S	1	S	1	10	----------	S.-Cu.	10	Ci.-S.	Cu.
11	S	2	S	4	SSE	2	WSW	4	SSW	2	S	2	10	----------	N.-cf.	10	Ci.-S.	Cu.
12	S	2	S	4	E	4	W	4	SSE	3	S	3	10	----------	N.-cf.	10	Ci.-S.	Cu.-N.
13	S	2	Calm	----	SSE	2	W	4	SW	2	S	4	10	----------	S.-Cu.	10	Ci.-S.	S.-Cu.
14	S	3	S	4	E	2	W	4	SW	2	S	3	10	Ci.-S.	S.-Cu.	10	----------	Cu.
15	S	2	S	1	S	4	WNW	4	SW	4	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	N.
16	S	2	S	2	SSW	4	W	4	W	4	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
17	S	3	S	1	W	4	W	4	W	4	S	1	10	Ci.-S.	S.-Cu.	10	----------	Cu.
18	S	2	S	4	SSE	4	W	4	S	1	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	N.-cf.
19	S	2	S	3	S	2	W	4	SW	1	S	2	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.
20	SE	2	S	1	SE	2	W	4	SW	2	SSE	2	10	Ci.-S.	S.-Cu.	10	----------	Cu.
21	E	1	S	2	SSE	3	SSW	2	SSW	2	S	2	10	Ci.-S.	S.-Cu.	10	Ci.-S.	N.
22	S	2	S	3	S	4	SW	4	SW	2	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
23	S	2	S	3	SSE	4	SSW	4	SSW	4	S	2	10	Ci.-S.	S.-Cu.	10	----------	Cu.
24	S	2	S	3	S	2	W	4	S	2	S	4	10	----------	N.	10	Ci.-S.	N.
25	W	4	W	2	NW	2	NW	3	SW	2	SSW	3	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
26	S	4	S	4	S	3	W	4	SSW	2	S	3	10	Ci.-S.	S.-Cu.	10	Ci.-S.	N.
27	SSE	4	SSE	3	SSE	4	SSE	2	SSW	3	S	3	10	Ci.-S.	N.-cf.	10	A.-Cu.	N.-cf.
28	S	4	S	4	S	4	SW	5	SW	4	SW	5	10	Ci.-S.	N.-cf.	10	----------	N.-cf.
29	S	3	SSW	3	SW	6	SSW	4	SW	4	S	3	10	----------	N.	10	----------	N.-cf.
30	SSW	3	SSW	3	SW	4	S	2	SW	2	SW	1	10	----------	N.	10	----------	N.-cf.
31	SW	4	SW	2	WSW	1	SSW	3	SE	3	S	2	10	----------	----------			
Mean	------	2.5	------	2.8	------	3.1	------	3.5	------	2.5	------	2.3	9.8	----------	----------	9.9	----------	----------

BOLINAO.

[ϕ=16° 24′ N; λ=119° 53′ E; barometer above sea, 9.7 meters; gravity correction not applied, —1.65 mm.]

SEPTEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	52.73	52.65	53.36	52.26	52.37	53.48	23.5	23.5	26.7	24.9	24.1	23.4	29.4	22.9	97	97	91	92	95	97	119.9
2	52.93	52.99	53.22	52.05	52.21	53.17	23.6	23.8	27.5	28.5	26.9	25.1	29.9	23.1	97	97	86	80	84	94	.5
3	52.52	52.63	53.47	52.53	52.51	53.76	24	24.5	28.3	26.9	24.6	25.5	29.4	23.6	95	95	82	89	92	93	10.1
4	53.06	53.54	54.38	52.83	53.71	55.56	23.5	23.7	26.7	30.1	26.6	26.1	30.6	23.5	96	95	87	64	84	90	1.3
5	54.82	54.61	55.99	55	56.33	58.31	24.9	24.9	28.2	30.1	27.6	24.6	30.4	24.6	92	92	85	75	84	95	1.3
6	57.44	57.50	58.37	57.03	57.62	59.66	24.6	24.5	30	31.9	28	26.6	32.8	24.4	95	95	75	70	80	90	------
7	58.42	58.08	58.30	56.64	56.25	57.58	26.2	25.1	31.1	32	29	27.4	32.9	24.9	93	95	75	70	83	89	.3
8	56.38	56.95	57.43	56.93	56.88	57.34	25	24.5	29.9	26.5	25.6	24.9	30.1	24.3	93	95	80	92	94	93	11.5
9	56.44	56.55	57.72	56.50	56.84	58.21	24.9	24.4	29.6	30.7	27.5	25.4	31.2	24	97	95	84	70	84	90	------
10	57.25	57.01	57.87	55.87	56.10	57.19	24.4	24.4	27	30.1	27	25.1	31.1	24.1	95	93	89	74	87	94	22.1
11	56.39	56.01	56.78	55.22	55.38	56.44	25	24.5	29.1	28.9	26.1	25	31	24.4	96	97	78	78	92	93	49
12	56.05	56.03	56.54	55.78	56.04	56.71	24.1	23.1	29.1	28	24.5	24.1	31.4	23	95	95	78	82	92	95	31.2
13	55.71	55.76	56.57	54.73	54.57	56.71	24.1	24	28.5	30.6	26.9	25.7	31.5	23.8	96	95	85	72	83	93	10.5
14	54.76	54.27	54.42	52.65	52.69	53.32	24.2	24.1	29.4	31.4	28.1	27.6	32	23.9	96	95	78	72	80	84	10.4
15	51.72	51.03	51.67	50.39	50.19	51	27.5	26.6	28.1	28.6	28.1	27.9	30	26.4	85	95	88	85	85	87	5.6
16	50.72	50.91	52.19	51.47	51.99	52.53	27.6	27	29.1	30.8	28	26.4	31.4	25.6	87	87	78	73	80	88	4.6
17	52.74	53.01	54.25	53.72	54.15	55.51	25.6	25.4	29.6	30.9	26.9	25.2	31.5	24.9	90	90	79	73	89	92	2.1
18	54.99	54.85	55.78	54.23	54.68	56.41	24.5	23.9	29.1	31	27.1	25.5	31.5	23.6	95	93	78	72	85	92	10.7
19	54.73	54.62	55.38	53.94	53.92	55.45	24.5	24.1	29	28.5	27.4	25.5	30.6	24	96	96	78	82	87	92	.5
20	54.50	54.46	55.69	54.26	54.88	56.70	25	24.8	28.5	30	27.9	25.5	31.1	24.4	95	93	85	73	82	90	.3
21	55.69	55.85	57.25	55.96	56.48	57.78	24.5	24.6	28.4	29.1	27.1	24.9	30.9	24.1	95	94	85	78	83	92	.9
22	57.04	57.60	59.16	57.75	58.17	59.72	24.4	24.1	30	31.2	27.6	24.1	32	23.4	92	95	75	69	80	91	------
23	59.36	59.13	60.25	58.21	59.16	60.02	23.3	22.6	30	31.4	28	26.6	32	22.4	94	95	74	67	74	84	------
24	58.98	58.49	59.58	57.65	58.14	59.23	25.4	24.9	29	30	28.4	25	31.7	24.5	92	92	74	75	86	92	18.8
25	58.41	57.86	58.79	57.10	57.43	58.69	24.3	23.6	29.6	30.8	27.9	25.5	31.2	23.4	94	96	78	73	84	93	.8
26	57.25	56.95	57.92	56.03	55.47	56.53	23.7	23.8	30.5	31	28.2	27.9	32	23.2	95	93	76	69	80	84	------
27	55.43	54.97	55.87	53.71	53.70	54.75	27.5	27.3	29.4	29	27.5	27	29.7	25.6	84	84	79	82	81	84	9.5
28	53.93	54.66	55.70	54.67	54.97	55.94	26.3	25.5	27.6	28.9	27.2	26.9	30.1	25.1	90	88	83	73	83	86	2.6
29	55.74	55.78	56.82	55.29	55.54	56.98	26.5	25.6	29.6	27.4	26.6	25.1	31.4	24.4	90	92	79	86	81	95	9.4
30	56.25	55.86	56.88	55.90	56.23	57.79	24.1	23	30.4	31.1	26.5	25	31.9	22.9	95	96	76	68	86	92	17.3
Mean	55.41	55.35	56.25	54.88	55.15	56.42	24.9	24.5	29	29.7	27.1	25.7	31.1	24.1	93.4	93.7	80.6	75.9	84.7	90.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	351.2

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	SSE	3	S	2	SW	3	SW	1	SSE	4	S	2	10	----------	N.-cf.	10	----------	N.
2	S	2	S	3	SE	4	SW	4	SSE	2	SSE	4	10	----------	N.-cf.	10	Ci.-S.	Cu.
3	SSW	5	SSE	2	SE	4	SSE	4	S	3	S	4	10	Ci.-S.	S.-Cu.	10	----------	N.-cf.
4	S	3	SE	4	SSE	5	SSE	6	SE	4	SSE	6	10	Ci.-S.	S.-Cu.	10	A.-Cu.	S.-Cu.
5	SSE	6	SSE	5	SE	4	S	6	S	5	SSE	2	10	Ci.	S.-Cu.	9	Ci.-S.	Fr.-Cu. S
6	S	2	S	4	S	4	NW	4	W	2	SW	1	1	----------	S.-Cu.	5	Ci.-S.	Cu.
7	W	2	WSW	2	NW	3	WNW	4	NW	4	SSW	3	10	Ci.-S.	N.-cf.	8	Ci.-S.	Cu. WNW
8	S	4	S	4	WNW	3	S	3	S	1	S	1	10	Ci.-S.	S.-Cu.	10	----------	N.
9	S	2	S	2	WNW	3	SW	4	SW	4	S	3	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu.
10	S	3	S	4	SE	2	W	4	SW	1	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	N.-cf.
11	S	2	SSW	1	S	4	WSW	4	SW	2	S	2	10	----------	N.	10	Ci.-S.	Cu.-N.
12	SSW	4	S	4	SW	4	WSW	4	WSW	2	S	1	10	----------	S.-Cu.	10	Ci.-S.	Cu.-N.
13	S	3	S	4	NW	2	WNW	4	SW	1	SW	2	10	Ci.-S.	Cu.	10	Ci.-S.	Cu.
14	S	2	S	2	ENE	2	W	4	WNW	4	NW	4	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
15	NNW	4	NNE	1	NNW	3	W	4	NW	4	NW	4	10	----------	N.-cf.	10	----------	N.-cf.
16	NW	4	WNW	4	WNW	4	WNW	4	WNW	4	SW	1	10	----------	N.-cf.	10	Ci.-S.	Cu. SW
17	SW	4	SSW	3	SW	4	SW	5	S	1	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu. SW
18	SSW	2	S	4	S	4	W	4	S	1	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu.
19	S	1	S	1	S	4	W	4	SSW	2	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu.
20	S	1	S	3	WSW	3	WSW	4	SW	1	S	1	10	Ci.-S.	S.-Cu.	10	A.-Cu.	Cu.-N.
21	S	1	S	4	NW	2	SW	4	SW	3	S	1	10	----------	S.-Cu.	10	Ci.-S.	N.-cf.
22	S	2	S	2	WSW	4	WNW	4	WSW	2	S	2	10	Ci.	Cu.	10	Ci.-S.	Cu.
23	S	2	S	2	NW	2	NW	4	NNW	2	S	1	3	Ci.-S.	S.-Cu.	8	Ci.-S.	Cu.
24	S	1	SE	2	ESE	3	E	3	NNE	4	SSE	2	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
25	SSE	2	SE	1	SE	3	N	4	NE	4	S	1	10	Ci.-S.	S.-Cu.	9	Ci.	Cu.
26	S	1	S	1	N	4	N	4	NNE	4	N	2	9	Ci.	Cu.	9	Ci.	Cu.
27	N	4	NNE	4	NNE	5	NNE	7	N	7	NW	6	10	----------	N.-cf.	10	----------	N.-cf.
28	NW	5	NW	5	WNW	5	WNW	5	NW	4	WNW	4	10	----------	N.-cf.	10	Ci.-S.	Cu.
29	WNW	4	Calm	----	NW	3	W	4	NW	4	S	1	10	----------	N.-cf.	10	----------	N.
30	S	1	S	1	NW	2	WNW	3	SW	1	S	4	10	Ci.	S.-Cu.	10	Ci.-S.	Cu.
Mean	------	2.7	------	2.7	------	3.4	------	4.1	------	2.9	------	2.3	9.4	----------	----------	9.6	----------	----------

BOLINAO.

[ϕ=16° 24′ N; λ=119° 53′ E; barometer above sea, 9.7 meters; gravity correction not applied, —1.65 mm.]

OCTOBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.10	57.30	57.77	57.40	57.55	59.32	24.5	24	28.1	24.1	24	23.5	28.9	23.4	92	94	85	92	93	96	52
2	58.87	58.67	59.58	57.75	57.87	58.38	23.5	23.5	26.9	27.4	26.1	25.6	29.1	23.1	96	96	85	81	91	90	20.6
3	57.93	58.26	59.16	57.74	57.96	58.55	25	23.8	24.9	26	25.1	24.6	26.7	23.4	95	95	93	92	95	96	50.3
4	57.59	58.11	58.63	56.91	57.09	58.46	24.3	23.9	29	31.2	27.7	25.2	31.8	23.6	96	97	81	73	83	91	------
5	57.45	57.80	59.07	57.27	57.63	58.44	24.6	24.4	30	31.5	27.9	26.5	32.1	23.6	95	96	71	68	82	85	------
6	57.54	57.66	59.25	57.47	57.77	59.10	23.9	24	30.9	32	28.1	26.2	33	23.5	95	92	76	69	81	91	------
7	58.49	58.81	60.23	58.33	58.42	59.54	24	23.9	30	32.1	28.4	25.4	32.9	23.4	94	92	75	69	77	90	.3
8	58.64	58.94	59.87	57.17	57.40	58.19	24.6	25	25.6	29.9	27.1	27.1	30.5	24.5	96	95	93	80	83	87	39.4
9	57.39	56.86	58	55.92	56.02	56.95	25.5	26.5	28	30.4	27.1	26.1	31.5	24.9	93	86	85	78	84	91	6.3
10	55.84	55.91	57.12	55.14	55.14	55.83	26.1	25.6	28.6	29.1	26.9	25	30.6	24.7	92	93	77	78	83	92	9.2
11	54.74	54.43	55.34	53.94	55.46	56.47	24.5	24.5	28.1	24.6	23.6	23.5	30.3	22.9	95	95	82	92	96	95	43.2
12	56.76	56.76	58.25	56.97	57.75	58.94	23.8	24.1	28.5	29.9	26.9	25	31.5	23.1	94	93	75	75	89	92	1
13	58.24	58.05	59.35	57.16	57.17	57.95	24.3	24.3	29.6	31	28.1	25.9	31.8	24	95	95	74	68	80	88	------
14	56.98	56.69	57.80	56.17	56.67	57.88	25.3	24.8	30.1	31.9	28.6	26.5	32.7	24.6	91	93	74	67	80	89	------
15	56.73	56.36	56.94	55.47	55.33	56.78	25	23.6	29.6	30.5	27.6	27.2	32	23.4	92	95	77	76	84	84	------
16	56.50	56.53	57.31	55.20	55.26	55.98	25.1	25.4	30.6	31.5	29	27.6	32.9	24.1	92	88	77	70	79	83	.3
17	55.82	55.62	56.73	54.95	55.24	56.55	27	27	29.1	26.5	24.9	24.1	29.5	24	83	80	78	81	88	91	6.4
18	56.35	56.75	58.99	57.62	58.64	60.39	24	25	28.4	29.6	26.9	26.5	30.9	23.8	91	88	75	74	86	89	2.1
19	59.64	59.72	60.82	58.72	59.03	60.17	26.1	24.1	30.1	30.1	27.7	26.5	32.5	24	92	95	73	71	76	89	------
20	59.24	59.21	59.83	57.70	57.73	59.36	24.3	23.6	30.4	31	27.9	24.6	32	23.2	92	95	74	67	76	90	------
21	58.70	59.16	60.40	58.68	59.18	59.86	24.1	23.2	30.6	31.5	28	25.2	32.1	22.6	92	93	68	62	82	90	.8
22	58.95	59.11	59.83	57.70	57.77	59.30	24.4	23.1	30.7	32.1	27.9	26	33.1	23	93	95	72	66	83	89	------
23	58.31	58.60	59.37	57.36	57.76	59.42	24.5	23.7	29.9	32	28.6	26.6	32.9	23.6	92	94	75	70	76	89	------
24	58.38	58.49	59.35	57.12	57.72	58.83	25.2	24.5	30.1	31.5	27	24.9	32.6	24.4	91	92	71	66	81	90	------
25	57.79	58.05	58.67	57.13	57.21	57.96	24.6	22.9	30.5	31	28	25	31.6	22.7	92	93	69	63	71	88	------
26	56.48	56.58	57.71	55.73	55.77	56.58	25.4	25.6	30.9	29.9	28.1	27.1	32.1	23.9	90	88	67	71	82	80	.8
27	54.89	54.31	55.92	55.33	56.32	58.08	27.1	27.1	28.9	26.9	25.6	25.1	29.6	24.4	80	80	79	89	92	95	27.6
28	58.15	58.45	59.68	58.02	58.70	59.84	24.3	24.5	27.6	29.1	26	25.2	29.5	24.1	95	95	87	78	87	93	8.4
29	58.86	58.55	59.51	58.13	58.59	59.84	24.9	24.6	28.9	28.7	27.5	25.5	30.1	23.9	93	94	82	80	81	88	------
30	58.54	59.16	60.08	58.77	59.42	60.93	23.9	23	29.4	29.6	27.6	26.4	31	22.6	93	95	75	74	83	90	1.8
31	60.19	60.67	61.11	59.72	59.73	60.98	25.1	25.4	29.1	30.1	27.5	27	31	24	92	93	78	77	81	84	3.1
Mean	57.65	57.73	58.76	57.05	57.40	58.54	24.8	24.5	29.1	29.8	27.1	25.7	31.3	23.7	92.4	92.4	77.5	74.7	83.4	89.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	273.6

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.				
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.		Amount.	Form and direction.	
														Upper.	Lower.		Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	S	4	S	2	S	4	Calm		S	2	SSE	1	10	----------	N.-cf.	10	----------	N.
2	S	2	S	2	SE	3	SSE	3	S	1	SSE	2	10	----------	N.	10	----------	N.-cf.
3	SSE	2	S	4	S	4	SW	4	S	1	S	2	10	----------	N.	10	----------	N.-cf.
4	S	2	S	2	ESE	4	WNW	3	NNW	4	S	2	9	Ci.-S.	Cu.	9	Ci.-S.	Cu.
5	S	2	SE	1	E	3	NW	1	NW	4	S	1	5	Ci.-S.	S.-Cu.	9	Ci.-S.	S.-Cu.
6	S	1	SSE	2	NW	3	WNW	3	NW	2	SSE	2	10	Ci.-S.	S.-Cu.	4	Ci.-S.	Cu.-N.
7	SSE	1	SSE	2	E	4	NW	4	NW	4	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
8	S	1	S	4	SW	1	W	4	N	4	N	4	10	Ci.-S.	N.-cf.	10	Ci.-S.	Cu. WNW
9	Calm		NNE	4	E	3	NNW	5	NNW	5	NNW	7	10	Ci.-S.	N.-cf. NNE	10	Ci.-S.	Cu. N
10	NNW	5	N	5	NNW	7	NNW	5	NNW	5	S	3	10	----------	N.-cf.	10	Ci.-S.	Cu. N
11	S	4	SSE	4	SSE	4	SW	4	S	4	SSE	4	10	----------	N.-cf.	10	----------	N.
12	SE	4	ESE	4	S	2	WNW	3	S	1	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N.
13	S	1	S	1	NW	2	NW	3	NNW	2	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu.
14	S	2	SSE	2	NNW	3	NW	4	WNW	3	S	2	10	Ci.	S.-Cu.	7	Ci.-S.	Cu.
15	S	1	S	1	WNW	2	NW	2	S	1	N	2	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
16	SSE	2	NNE	2	N	4	N	3	NNE	4	NNE	2	10	Ci.-S.	Fr.-Cu.	10	Ci.-S.	S.-Cu.
17	NNE	3	NNE	4	NNE	4	NNE	4	SE	2	SSE	2	10	----------	N.-cf.	10	----------	N.
18	SSE	4	SSE	4	SE	6	SE	4	E	1	NNE	4	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu.
19	NNE	3	S	1	E	3	N	4	N	3	S	1	10	Ci.-S.	S.-Cu.	10	----------	S.-Cu.
20	S	1	S	1	N	2	N	4	N	3	S	1	5	----------	S.-Cu.	5	Ci.	Cu.
21	S	1	S	1	N	3	N	3	S	1	S	1	4	Ci.	S.-Cu.	4	Ci.-S.	Cu.
22	SSE	1	SE	1	NNE	2	NW	3	SE	1	S	1	6	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.
23	S	1	S	1	E	2	WNW	4	NW	2	S	1	2	Ci.	S.-Cu.	8	----------	S.-Cu.
24	S	1	SSE	2	NNE	3	N	4	S	1	S	1	9	Ci.-S.	S.-Cu.	3	Ci.	Cu.
25	S	1	S	1	NNE	3	NNE	4	N	3	S	1	4	Ci.	Cu.	3	Ci.-S.	Cu.
26	SE	1	NE	3	N	3	NNW	4	NNE	5	N	5	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu. N
27	NW	6	NW	4	W	5	SW	4	SW	2	SSE	4	10	----------	N.-cf.	10	----------	N.
28	SSE	3	SSE	2	S	4	SW	5	SSW	1	S	1	10	----------	N.	10	A.-Cu.	N.-cf.
29	S	1	SSE	2	W	2	W	3	WNW	3	S	1	10	Ci.	N.-cf.	10	Ci.-S.	N.-cf. WNW
30	S	1	SSE	2	E	4	N	3	NNW	4	SE	1	3	Ci.	S.-Cu.	10	----------	S.-Cu.
31	S	1	N	2	NNE	4	NNE	4	NNW	4	NNE	4	10	----------	N.	10	Ci.-Cu.	Fr.-Cu. NNE
Mean	------	2	------	2.4	------	3.3	------	3.5	------	2.7	------	2.1	8.6	----------	----------	8.5	----------	----------

BOLINAO.

[ϕ=16° 24′ N; λ=119° 53′ E; barometer above sea, 9.7 meters; gravity correction not applied, —1.65 mm.]

NOVEMBER, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.73	59.74	60.56	58.55	58.73	60.08	27	26	30.6	31.4	28.1	26	31.9	25.3	86	92	77	72	85	92	
2	58.83	59.09	59.97	57.80	58.21	59.22	24.7	24.6	30	31.8	28.1	25.5	32.4	24.4	92	88	69	69	80	92	------
3	58.34	58.52	59.36	57.54	58.16	59.44	24.4	24.9	30.1	31.4	28.1	26	32.6	24.1	93	87	74	70	83	92	------
4	58.88	59.06	59.63	57.90	58.91	60.26	24.3	24	30	31	28.6	27.7	31.9	23.4	92	92	71	69	78	80	------
5	59.21	59.66	60.42	58.56	59.06	59.84	25.7	25	29.6	31.8	27.6	25.5	32.6	24.3	92	90	71	69	84	91	------
6	59.12	58.91	60.17	58.04	57.08	58.14	23.7	23.1	28.1	29.4	27.2	24	29.9	23	94	96	73	70	80	91	------
7	58.08	58.42	59.23	57.97	58.33	60.14	22.6	22	29.9	31	27	25.2	32	21.9	95	95	65	62	75	82	------
8	60.03	60.54	61.41	59.32	59.66	60.56	24.6	24	28.6	30.6	27	24.6	31.9	23.5	85	87	75	69	84	87	------
9	59.73	59.78	60.33	58.33	58.42	59.41	23.9	24.4	29.5	30.6	28	25	32.1	23	91	89	71	68	79	90	------
10	58.80	59.16	59.88	58.25	58.08	59.53	23.5	22	30	31.1	28	24.6	32.3	21.8	92	93	66	66	79	91	------
11	59.20	59.70	60.77	59.02	59.32	60.52	24.1	23.6	30.1	31.1	28.1	25.5	32	23.1	91	86	68	66	77	88	------
12	60.14	60.23	60.96	58.83	58.93	59.83	24.7	23.5	30.9	31.6	28.4	25.2	32.4	22.9	90	88	67	66	77	87	------
13	59.09	58.97	59.52	57.92	58.42	58.98	24.2	23.9	30.2	31	28.1	27.5	32.6	23.4	87	88	68	64	77	81	------
14	58.11	58.26	59.36	57.67	58.22	59.34	23.7	22.4	30.5	31.6	28.1	27.5	32.2	22.1	91	93	69	60	80	81	0.3
15	58.73	59.46	60.32	58.66	58.83	59.76	24.7	23.6	29.1	31	28	27.6	31.6	23.1	92	90	68	65	77	80	------
16	58.78	59.11	59.83	58.21	58.48	59.45	24.4	23	30.4	31.4	28	25.6	32.1	22.7	88	93	63	57	77	88	------
17	58.23	58.41	59.37	57.72	58.41	59.49	24.1	23.5	31	32.4	28.4	25.1	33.4	23.4	87	87	63	58	75	90	------
18	58.40	58.63	59.52	57.51	58.07	58.89	23.1	21.3	30	31.4	28.1	27.5	31.5	21.1	91	95	65	65	73	80	------
19	58.34	58.80	59.41	57.46	57.92	59.23	24.5	24	30.3	31.5	28.1	28	32.4	23.1	90	95	70	70	80	85	20.1
20	58.37	58.35	59.41	57.52	57.69	58.34	27.2	25.6	26.7	29	27.5	27	29.4	25.1	87	93	90	76	80	78	1
21	57.58	57.70	59.14	57.54	57.57	58.81	26.5	26.5	27.8	28.5	26.6	26	28.9	25.9	78	76	71	70	80	76	------
22	58.14	58.34	59.29	57.68	58.53	59.59	25.6	25.6	29	29.1	26.1	26	30.1	25.4	75	75	67	68	79	82	------
23	58.28	58.94	59.67	57.43	57.30	58.47	25.9	25.6	28.2	29.1	26.6	23.4	30.5	23.1	82	78	69	64	75	88	------
24	57.48	57.77	58.59	57.18	57.25	57.90	22.5	22.3	29.4	29.9	27	26	31	21.6	92	84	66	66	74	84	------
25	56.63	56.38	56.32	54.57	54.59	54.75	22.4	22	27.5	29.4	27.9	26	30.2	21.7	89	91	71	64	82	92	------
26	54.94	55.19	57.08	55.57	56.37	58.30	24.1	25.6	28.6	30.5	26.4	22.9	30.9	22.6	91	80	68	60	81	91	------
27	58.45	58.78	59.75	57.68	57.78	58.64	24	23.1	29.5	30.6	27.6	27	31.1	22	90	93	72	65	83	86	------
28	57.86	58.20	59.22	57.06	57.08	57.75	24.1	23	29.4	30	27.1	24.6	32	22.6	91	95	72	74	77	90	------
29	56.46	56.12	57.39	56.13	56.49	56.91	23.4	24	26.4	26.4	24.7	24.1	26.9	22.8	91	93	75	84	90	91	2.1
30	56.56	56.51	57.44	56.70	58	58.91	23.8	24.4	26.1	26.1	23.9	24.1	28.6	22.9	88	87	82	84	90	91	3.9
Mean	58.35	58.56	59.44	57.68	58	59.02	24.4	23.9	29.2	30.4	27.4	25.7	31.3	23.2	89.1	89	70.5	67.7	79.7	86.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	27.4

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		0–12		0–12		0–12		0–12		0–12	0–10			0–10		
1	NNE	3	SSE	1	NNW	2	N	4	N	2	S	1	10	Ci.-S.	Cu.	3	Ci.-S.	Cu.
2	S	1	SSE	2	ESE	4	N	4	NNE	4	S	1	1	Ci.	Cu.	3	Ci.-S.	Cu.
3	S	1	SSE	2	ESE	4	WNW	4	SSW	1	S	1	4	Ci.-S.	S.-Cu.	9	Ci.-S.	S.-Cu.
4	S	1	SE	2	ESE	4	NNE	4	N	4	NNE	2	10	Ci.	Cu.	7	Ci.	Cu.
5	SSE	1	SSE	4	ESE	3	WNW	4	WNW	1	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
6	SE	1	SE	1	NNE	2	NE	2	S	1	S	1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
7	S	1	S	1	SE	4	SE	5	SE	4	SSE	4	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu.
8	SSE	4	SSE	2	ESE	2	NNE	2	S	1	SSE	2	7	Ci.	S.-Cu.	10	A.-Cu.	S.-Cu.
9	SSE	2	SSE	2	S	2	N	4	SE	1	S	1	8	A.-Cu.	S.-Cu.	3	------	S.-Cu.
10	S	1	S	1	ESE	4	N	4	N	4	S	2	2	Ci.	S.-Cu.	3	Ci.-S.	Cu.
11	SSE	2	SE	2	E	4	N	4	NNE	4	S	3	8	A.-Cu.	S.-Cu.	3	------	Fr.-Cu.
12	SSE	2	SSE	2	E	3	N	4	NNE	3	S	3	1	Ci.	S.-Cu.	1	------	Cu.
13	S	2	SE	3	ESE	4	N	3	NNW	2	NNE	2	1	------	S.-Cu.	1	------	Cu.
14	S	1	S	2	ESE	3	N	4	N	4	NNE	2	3	------	S.-Cu.	1	------	Cu.
15	SSE	1	SSE	2	ESE	4	N	3	NNE	4	NNE	2	3	------	S.-Cu.	4	Ci.-S.	Cu.
16	S	2	S	1	ESE	4	E	4	N	3	S	1	2	------	S.-Cu.	2	------	Cu.
17	S	2	SE	2	S	2	N	3	NW	2	S	1	1	------	S.-Cu.	2	Ci.-S.	Cu.
18	S	2	S	1	ESE	4	N	4	NNE	2	NNE	3	1	------	S.-Cu.	1	------	S.-Cu.
19	S	3	S	2	NNW	3	N	4	N	4	NNW	5	3	A.-Cu.	S.-Cu.	2	Ci.-S.	Cu.
20	N	4	NNE	4	Calm	----	NNE	4	NNE	4	NNE	6	10	------	N.	10	Ci.-S.	Cu. NE
21	NNE	5	NNE	6	N	5	NNE	6	NNE	7	NNE	5	10	------	S.-Cu.	10	------	Cu. NE
22	NNE	4	NNE	4	N	3	N	4	N	5	NNE	5	10	Ci.-S.	S.-Cu.	9	Ci.	Fr.-Cu. NNE
23	NNE	4	NNE	4	NNE	4	NNE	4	N	2	S	1	10	Ci.-S.	N.-cf.	9	Ci.-S.	Fr.-Cu.
24	S	1	SE	3	NNW	2	N	4	NNE	4	NNE	2	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu.
25	S	1	S	1	N	3	NNW	4	NNW	1	SE	2	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu.
26	SE	2	SE	6	SE	7	SE	6	S	1	SSE	2	7	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
27	SSE	3	SSE	2	SE	4	NNE	3	NNE	2	NNE	2	7	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
28	SSE	1	SSE	1	ESE	2	NNE	3	NNE	3	S	2	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu.
29	S	1	S	2	SE	4	SE	4	SE	2	SE	4	10	Ci.-S.	S.-Cu.	10	------	N.-cf.
30	SE	5	SE	5	SE	6	SE	4	SSE	4	SE	5	10	------	S.-Cu.	10	------	N.-cf.
Mean	------	2.1	------	2.4	------	3.4	------	3.9	------	2.9	------	2.5	6.6	------	------	6.4	------	------

BOLINAO.

[ϕ=16° 24′ N; λ=119° 53′ E; barometer above sea, 9.7 meters; gravity correction not applied, —1.65 mm.]

DECEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	53.26	53.61	59.56	58.30	59.23	61.11	24.3	24.5	27.1	29.9	27	25.1	31.9	23.6	86	80	77	70	78	90	------
2	60.44	60.53	61.98	59.36	59.57	61.01	24.3	23.9	28.9	30.1	27.1	25.6	31.5	23.6	91	93	72	70	84	90	1.5
3	59.55	59.78	60.34	57.91	58.43	59.29	23.4	24.6	28.4	30.5	27.1	26.6	30.6	23	93	96	82	69	84	87	.8
4	58.43	58.40	58.84	56.72	56.69	57.64	23.7	23.6	28.6	29.6	27.4	27	30.6	22.9	91	93	73	70	80	81	------
5	56.70	57.11	58.74	57.28	57.46	58.98	26.4	26	27.7	27.5	26.1	26	28.7	25.7	82	84	74	74	76	76	------
6	58.54	59.34	60.37	58.96	59.17	60.72	25.6	25.5	27.9	29	26	25.5	29.5	24.9	78	78	70	71	78	80	------
7	60.37	60.54	61.44	59.74	59.66	60.70	24.5	20.5	27.6	29	25.1	21	30.1	20	87	92	76	70	76	91	------
8	60.49	60.82	62.29	60.59	60.39	61.32	20.5	19.5	27.1	28.9	25.9	22.1	29.5	18.6	85	83	70	62	66	86	------
9	60.90	61.35	62.44	60.91	60.59	61.59	21.5	20.6	28.1	29.9	26.6	22.4	30.1	19.4	85	81	63	60	72	88	------
10	60.93	61.26	62.14	60.76	60.63	61.84	21.3	19.7	28	29.4	27	23.2	30.4	19.6	85	90	63	62	78	78	------
11	61.08	61.09	61.98	60.62	60.99	61.97	21.8	20.6	28.6	30.6	25.6	24.1	32	20.4	85	85	61	62	76	86	------
12	61.37	61.16	62.17	60.76	60.89	61.85	22.6	21.6	29.9	31.1	27.1	24.1	31.5	21.1	89	91	65	66	80	91	------
13	61.01	61.13	61.87	60.11	60.58	61.94	22	21.9	29	31.6	26.7	22.1	32	21.6	84	84	58	56	75	91	------
14	61.78	62.18	62.77	60.37	60.82	61.87	21.5	21	28.6	30.1	26.7	26	31.5	20.9	91	91	66	70	78	81	------
15	61.09	61.22	61.96	60.23	60.44	60.97	22.2	21.9	28.1	29	26.7	24.3	30.6	21.4	91	93	76	71	80	90	------
16	60.34	60.58	61.66	59.72	59.91	60.82	21.5	20.6	29.1	30	26.9	24.6	31.9	20.5	92	94	64	65	77	87	------
17	59.99	60.34	61.36	59.33	59.62	60.89	23.1	19.5	29	30	27.1	23.9	31.4	19.2	83	90	65	67	77	88	------
18	60.10	60.16	60.85	59.01	58.95	59.43	22.5	21.6	29.1	30	26.6	25.9	31.4	21.5	89	91	68	67	77	85	------
19	58.56	58.36	59.71	57.56	58.35	59.29	25.9	26	29.1	29.9	25.1	24.1	31.2	21.2	85	84	68	65	80	83	------
20	58.70	59.01	60.07	58.16	58.74	59.47	21.3	20.1	28.7	30.4	27.1	26.5	31	19.9	91	96	76	63	80	86	------
21	58.70	59.10	60.22	58.63	58.80	59.76	25.5	22.6	28.7	29.6	26.5	25.6	30.8	22.5	87	95	75	67	74	76	------
22	59.49	59.97	61.07	58.94	59.21	60.91	25.4	24.9	28.8	29.1	26.1	24.1	30.7	21.6	77	80	65	64	73	83	------
23	60.77	61.05	61.81	60.27	60.84	62.11	22.5	20.8	28.9	30.4	26.5	25.6	30.9	19.3	89	93	59	51	76	79	------
24	61.25	60.99	61.84	60	60.02	61.24	21.5	20	28.4	29.5	27	26.6	31	19.4	91	94	70	62	77	80	------
25	60.89	61.05	62.07	60.52	60.88	61.89	23.5	23.1	29	30.5	26.7	24.6	31.9	22.9	78	78	60	59	75	82	------
26	61.15	61.50	62.22	60.11	59.73	60.92	24	24	28.5	29.6	25.1	24.7	31	23	85	85	68	64	83	87	------
27	60.50	60.34	60.83	59.47	59.97	61.07	23.6	23.9	27.6	29.1	26.4	22.9	29.9	21.3	78	90	73	64	81	91	------
28	60.51	61.03	62.16	60.85	61.38	62.37	21.5	21.5	29.4	30.1	26	25.5	30.9	21	91	91	66	70	84	84	------
29	61.18	61.52	62.53	60.73	61.13	62.33	25.1	25.2	29	29.9	27	24.6	31.1	24.1	82	82	71	66	81	92	------
30	61.43	61.50	62.45	60.80	61.06	62.43	23.5	23	29.8	30.9	27	24.6	32	22.2	92	90	67	65	80	87	------
31	61.65	62.01	62.96	60.85	60.93	61.33	23.4	22.1	29.2	30.1	27	26.9	30.6	21.7	91	91	71	69	84	83	------
Mean	60.20	60.42	61.38	59.60	59.84	60.94	23.2	22.4	28.6	29.8	26.5	24.7	30.9	21.5	86.6	88.3	68.8	65.5	78.1	85.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	2.3

Day.	Wind.										Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	SE	5	SE	5	SE	5	SE	4	S	4	SSE	2	10	Ci.-S.	S.-Cu.	10	A.-Cu.	Cu. S
2	SE	2	SE	2	ESE	4	W	4	SSW	1	SSE	2	4	A.-Cu.	S.-Cu.	4	Ci.-S.	Cu.
3	S	1	Calm	----	NNE	3	WNW	4	WNW	4	WNW	4	10	----------	N.	10	Ci.-S.	S.-Cu.
4	S	1	NNE	2	NNE	4	NNE	4	NNE	4	NNE	5	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
5	NNE	6	NNE	7	NNE	7	NNE	7	NNE	7	NNE	8	7	Ci.-S.	Fr.-Cu.NNE	10	Ci.-S.	Fr.-Cu. NNE
6	NNE	7	NNE	5	NNE	5	NNE	5	NNE	4	NNE	4	10	Ci.-S.	Fr.-Cu.NNE	10	Ci.-S.	Cu. NE
7	NE	1	S	1	SE	3	NNE	3	NE	2	S	1	5	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.
8	SSE	2	SSE	2	NNE	4	NNE	4	NNE	4	SSE	2	1	Ci.	S.-Cu.	1	Ci.	Cu.
9	SSE	2	SSE	2	NNE	2	NNE	4	NNE	4	SSE	1	2	Ci.	S.-Cu.	1	Ci.	Cu.
10	SE	3	SE	1	ESE	3	NNE	4	NNE	4	SSE	3	10	Ci.-S.	S.-Cu.	1	Ci.-S.	Cu.
11	SSE	2	SE	2	SE	3	ESE	2	SE	2	SE	1	3	Ci.-S.	S.-Cu.	10	A.-Cu.	S.-Cu.
12	SSE	2	SSE	1	N	3	NW	3	NNE	2	SSE	2	10	Ci.-S.	S.-Cu.	3	Ci.-S.	Cu.
13	SE	3	SE	3	SE	4	ESE	4	NNE	2	SSE	1	10	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.
14	SSE	1	SSE	2	SE	4	NNE	4	NNE	4	NNE	2	10	Ci.-S.	S.-Cu.	10	Ci.	Cu.
15	SSE	1	SSE	1	NNE	4	NNE	4	NNE	4	SSE	1	10	Ci.	S.-Cu.	10	Ci.-S.	Fr.-Cu. NNE
16	S	1	S	1	SE	4	NNE	4	NNE	4	SSE	3	1	Ci.	S.-Cu.	3	Ci.-S.	Fr.-Cu.
17	SSE	4	S	1	SE	3	NNE	4	NNE	4	SSE	1	4	Ci.-S.	S.-Cu.	9	Ci.	Fr.-Cu.
18	SSE	2	SE	2	ESE	4	NNE	4	NNW	3	NNE	4	3	Ci.	S.-Cu.	7	Ci.-S.	Fr.-Cu.
19	NNE	4	NNE	4	NNE	4	NNE	4	S	2	SE	1	10	Ci.-S.	Cu. NE	10	Ci.-S.	Cu.
20	SSE	1	S	1	NNE	3	NNE	4	NNE	4	NNE	4	10	Ci.-S.	S.-Cu.	6	Ci.-S.	Cu.
21	NNE	4	S	1	NE	3	NNE	4	NNE	5	NNE	5	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.
22	NNE	4	NNE	4	NNE	4	NNE	4	NNE	4	S	1	5	Ci.	S.-Cu.	1	Ci.	Cu.
23	SSE	2	SSE	2	SE	4	ESE	4	NNE	4	NNE	4	3	Ci.	S.-Cu.	3	Ci.	Cu.
24	SSE	1	SSE	1	NNE	3	NNE	4	NNE	4	NNE	4	3	Ci.	S.-Cu.	3	Ci.	S.-Cu.
25	SSE	3	SSE	3	SE	4	NNE	4	NNE	4	SSE	2	10	Ci.-S.	S.-Cu.	10	----------	S.-Cu.
26	SE	2	SE	2	SE	4	NNE	3	SE	1	SE	2	10	----------	S.-Cu.	10	----------	S.-Cu.
27	SE	3	SE	2	ESE	4	E	4	ESE	2	S	2	10	----------	S.-Cu.	10	----------	S.-Cu.
28	S	2	S	2	ESE	4	NNE	4	NNE	5	NNE	6	4	Ci.-S.	S.-Cu.	4	Ci.-S.	Cu.
29	NNE	5	NNE	5	NNE	4	NNE	4	NNE	2	SE	2	10	----------	S.-Cu.	2	----------	Fr.-Cu.
30	SSE	1	SSE	2	ESE	4	NNE	4	NNE	4	SSE	2	9	Ci.-S.	S.-Cu.	3	Ci.-S.	S.-Cu.
31	SSE	2	SSE	2	N	3	N	4	NNE	4	NNE	4	1	Ci.-S.	S.-Cu.	7	----------	Fr.-Cu.
Mean	------	2.6	------	2.3	------	3.8	------	4	------	3.5	------	2.8	7	----------	----------	6.5	----------	----------

BAGUIO.[a]

[$\phi = 16° 25'$ N; $\lambda = 120° 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

JANUARY, 1912.

Day.	Atmospheric pressure, 600 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	36.51	37.01	38.22	37.03	37.44	37.92	15	14	19.4	18.3	17.2	15.4	22.3	13.9	79	89	63	85	86	92	------
2	37.46	37.65	38.76	37.24	37.38	38.18	14.5	14	20.6	20	17.1	15.6	22.4	13.5	96	94	71	82	87	88	------
3	37.54	37.90	39.15	37.57	37.89	38.56	15.3	13.8	18	18.9	16.5	14.4	20.9	13.1	88	97	80	72	84	99	------
4	37.93	38.21	38.80	37.76	38.06	38.14	15.8	13.8	20	21	17.3	16.1	23.4	13.5	83	100	64	59	75	81	------
5	37.87	38	39.11	37.56	37.93	37.95	14.7	14.3	21	22	16.9	15.1	23.6	14.1	89	88	56	70	89	82	------
6	37.37	37.85	38.49	37.35	37.88	37.76	14.6	13.9	21.1	22	17.4	14.9	23.8	13.3	66	65	51	71	75	84	------
7	37.30	37.49	37.88	37	37.20	37.33	13.8	13.5	20.9	21.8	16	14.7	23.4	13.1	81	70	54	67	71	79	------
8	37.21	37.38	37.77	36.38	37.05	37.21	14.4	13.9	18.9	19.6	16.6	14.9	23.4	13.1	82	89	62	69	92	96	------
9	36.47	37.30	37.84	36.83	37.60	37.66	14	13.7	20.9	19.7	15.4	15	22.3	13.5	97	94	62	69	96	91	------
10	37.22	37.72	38.59	37.28	38.11	38.47	14.8	14.8	20	19.4	17	15.9	21	14	91	90	72	80	95	99	------
11	38.17	38.66	39.98	38.03	38.67	39	15.5	14.8	20.9	22.3	17.2	15.8	23.8	13.9	96	93	65	72	91	91	------
12	38.33	38.75	40.16	38.33	38.94	39.86	15.4	15.7	20.8	19.4	16.9	16	22.2	15	89	82	64	84	94	96	------
13	38.78	38.94	40.23	38.04	38.44	39.60	15.4	15.3	19.3	18	16.9	15.9	25	14.5	97	91	73	93	84	90	0.8
14	39.31	39.17	40.15	38.66	38.72	39.38	15.2	14.4	20.5	19	16.8	16	22.8	14.1	92	94	75	83	93	93	------
15	38.53	38.63	40.01	38.61	38.82	39.95	14.6	13.9	19.8	19.6	16.7	15.6	22	13.5	97	93	77	83	96	99	------
16	39.68	39.80	40.49	39.29	39.34	40.26	14.7	13.4	21	22.3	17.8	16.6	23.4	13.4	96	95	70	71	89	91	------
17	39.23	39.30	40.57	39.35	39.56	39.87	14.7	14.4	19.9	22.8	17.5	15.5	23	14.1	97	90	77	65	87	90	------
18	39.03	39.34	40.44	38.89	39.08	39.82	14.2	13.6	20.5	22.4	16.6	16.4	23.2	13.4	93	91	67	71	94	88	------
19	39.46	39.65	40.74	39.54	39.68	40.03	14.7	14.5	20.9	20.4	16.8	15.1	22.9	14.4	97	96	69	75	88	88	1.3
20	38.88	39.34	40.49	39.06	38.89	39.40	13.9	13.2	20.2	19.4	15.7	14.5	22.4	12.9	91	90	56	74	90	91	------
21	38.60	38.86	40.24	38.72	38.90	39.40	13	12.5	16.5	20.8	15.3	13.9	22.2	12.5	93	87	77	69	93	92	------
22	38.34	38.26	39.49	38.29	38.32	38.41	12.7	11.8	17.9	19.6	15.2	13.7	21.9	11.8	95	95	65	65	86	85	------
23	37.80	37.82	39.24	38.10	38.25	38.68	12.7	12.4	17.9	20.4	15.1	13.7	21.8	12	82	72	64	64	77	79	------
24	38.50	38.67	39.90	38.55	38.54	39.03	12.2	10.9	19.9	21.6	15.9	14.3	22.3	10.6	86	86	26	51	63	72	------
25	38.41	38.40	39.85	38.55	38.67	39.32	13	12.1	19.9	19.9	16.4	14.5	22.8	12	79	73	42	71	80	92	------
26	38.71	38.76	40.12	38.94	39.17	40.35	13.4	12.4	16.5	19.8	16.2	14.3	21.8	11.6	94	95	77	72	76	77	------
27	39.78	40.11	41.55	39.74	39.87	40.75	12.3	11.7	18.5	18.9	15.7	14.6	22.1	11.3	84	89	60	72	92	90	------
28	39.98	40.05	40.74	39	39.15	40.10	13.4	13.4	16.6	16.6	15.4	14.8	21.3	12.8	91	80	67	83	90	86	------
29	39.36	39.56	40.44	38.60	38.47	39.45	14.1	13.4	18.9	19.3	15.6	14.4	21.1	12.5	83	82	63	73	93	94	------
30	38.63	38.71	39.94	38.50	38.68	39.33	13.4	12.9	18.8	17.4	15.9	14	20.8	12.7	94	93	78	86	83	88	------
31	38.65	38.81	39.71	38.40	38.63	39.42	13.6	13.9	17.8	19.9	16.4	15.6	22.3	12.6	87	81	75	74	94	91	.5
Mean	38.36	38.58	39.65	38.23	38.49	39.05	14.2	13.6	19.5	20.1	16.4	15.1	22.5	13.1	89.2	87.9	65.2	73.4	86.5	88.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	2.6

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	ESE	ESE	E	W	SE	Calm	159	123.9	59.2?	33.8	375.9	0	Ci.	Cu.	9	Ci.	S.-Cu.
2	S	NNE	WSW	WSW	SE	E	45.6	60.7	69.2	126.5	302	4	Ci.	Cu.	9	------	S.-Cu. SSE
3	E	Calm	ESE	ESE	E	E	76.1	38.4	101.1	69.8	285.4	6	Ci.	S.-Cu.	10	Ci.-S.	S.-Cu. E
4	ESE	NE	ESE	E	E	E	84.3	86.4	108.3	152.4	431.4	10	------	S.-Cu.	9	A.-Cu.	S.-Cu. E
5	E	N	E	WSW	Calm	E	68.7	51.5	78.7	76.2	275.1	0	Ci.	Cu.	3	------	Cu.
6	E	E	WSW	WSW	SSE	E	79.2	39.9	81	63.4	363.5	0	Ci.	Cu.	8	------	Cu.-N.
7	E	E	SE	WSW	ESE	ESE	109.4	98.5	79.9	130.7	418.5	0	Ci.	Cu.	7	------	S.-cf. E
8	SE	SE	E	SE	S	SE	88.8	116.1	42.1	80.2	327.2	1	Ci.	Cu.	9	------	S.-Cu. ESE
9	E	SE	WSW	WSW	W	Calm	75	63.1	121.8	29.3	289.2	3	Ci.	S.-Cu.	9	------	S.-Cu. W
10	Calm	SE	WSW	WSW	Calm	E	40	45.7	55.5	30.6	171.8	7	------	S.-Cu. NW	10	------	S.-Cu.
11	E	NE	WSW	WSW	SE	ESE	48.8	53.9	75.6	112.1	290.4	9	A.-Cu. NW	Cu.	8	------	Cu.-N.
12	SE	ESE	ESE	WSW	WNW	E	125	79.2	72.6	31.9	308.7	5	Ci.	Cu.	9	------	Cu.-N.
13	E	E	WNW	NW	Calm	E	76.4	38.1	80	57.3	251.8	9	------	S.-Cu.	10	------	N.
14	N	NE	WSW	W	SW	E	44.8	45.9	86.4	75	252.1	1	Ci.	Cu.	9	------	Cu.-N.
15	E	E	WSW	WSW	Calm	E	67.6	60.9	77	24.3	229.8	0	------	Cu.	10	------	------
16	E	E	WSW	WSW	NE	SE	46.2	58.7	81.6	27.1	213.6	0	Ci.	------	9	------	S.-Cu.
17	E	Calm	WSW	WSW	SE	SE	16.9	38.4	76.7	118	250	1	Ci.	Cu.	7	------	Cu.-N.
18	E	N	SW	WSW	W	SE	82.1	57.4	85.9	35.1	260.5	0	Ci.	Cu.	7	------	Cu.-N.
19	E	NW	WSW	W	E	E	57.3	54.7	92.5	77	281.5	9	------	S. N	8	------	N.
20	E	ESE	SSE	W	W	SE	74	58.5	112.3	46.7	291.5	3	Ci.	S.-Cu.	9	Ci.	S.-Cu. SbyW
21	E	Calm	WSW	W	WSW	E	73.7	55.3	106.7	57.4	293.1	0	Ci.	Cu.	8	------	S.-cf.
22	E	EbyS	ESE	SW	Calm	SE	83.7	132.8	92.5	73.7	382.7	0	------	Cu.	7	------	S.-Cu.
23	E	E	WSW	WSW	SW	SE	84	70.3	100.1	59.2	313.6	2	Ci.	S.-Cu.	8	------	S.-Cu.
24	E	E	SE	WSW	SE	SE	50.9	73.5	93.8	88.7	306.9	0	------	Cu.	1	------	Cu.
25	E	ESE	S	WSW	SE	SE	118.8	81.8	92.8	58.2	351.6	0	Ci.	Cu.	9	------	S.-Cu.
26	NE	NE	SW	W	S	Calm	23.3	45.4	85.9	29.3	183.9	1	------	Cu.	8	------	S.-cf., Cu.-N.
27	NE	NE	WSW	WSW	WSW	S	44.1	71.1	98.5	29.2	242.9	0	Ci.	------	8	------	S.-cf.
28	W	NE	W	WSW	W	E	65.5	68.2	70.8	48.8	253.3	1	------	S.-Cu. NE	10	------	Fr.-N.
29	NNW	E	WSW	WSW	SW	E	39.2	62.8	89.8	74.8	266.6	1	------	S.-Cu.	9	------	S.-Cu., Fr.-N.
30	NE	NE	WSW	WSW	N	E	66.3	48	65.5	48	227.8	2	------	S.-Cu.	10	------	------
31	NNE	Calm	WSW	WSW	Calm	E	62.6	70.6	80.8	40.8	254.8	2	------	S.-Cu.	9	------	Cu.-N.
Mean	------	------	------	------	------	------	70.2	69.3	84.3	64.7	288.6	2.5	------	------	8.3	------	------
Total	------	------	------	------	------	------	------	------	------	------	8,947.1	----	------	------	----	------	------

[a] The barometric readings of this station are not reduced to sea level.

BAGUIO.

[$\phi = 16° 25'$ N; $\lambda = 120° 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

FEBRUARY, 1912.

Day.	Atmospheric pressure, 600 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	38.65	38.69	39.70	38.21	38.20	39.21	14.4	14	18.1	18.7	16.5	15.3	22.9	13.5	97	92	81	82	83	90	1.6
2	38.48	38.64	39.98	38.58	38.89	39.45	14.1	13.4	17.9	16.4	15	14.2	19.6	13	94	95	76	85	85	81	------
3	38.36	38.28	39.71	38.10	38.10	38.94	13	12.4	19.6	16.6	14.9	14.1	21.2	11.8	90	92	58	89	92	88	------
4	38.28	38.42	39.79	38.57	39.29	39.53	13.4	12.4	18.7	16.1	15.9	13.5	19.8	12.3	82	81	72	92	86	99	------
5	38.97	39.11	40.66	39.29	39.43	39.79	12.7	13	20.8	18.3	15.8	14.4	22	12.1	98	88	56	77	90	93	------
6	39.45	39.77	40.76	39.40	39.38	40.01	13.2	13.7	18.7	20.4	15.7	15.4	21.8	13	94	85	72	70	94	89	------
7	39.32	39.75	40.71	39.13	39.41	40.07	14.2	13.7	18.9	17.4	15.4	14.4	22.3	13	93	92	62	84	91	95	------
8	39.38	39.73	40.20	38.80	38.84	39.48	13.3	12.9	15.9	19.4	15.9	14.4	21.3	12.5	95	93	80	76	95	97	------
9	38.92	39.11	39.59	38.10	38.30	38.95	13.4	12.4	20.1	19.3	16.9	14.7	21.2	12.3	99	98	55	77	85	92	------
10	38.16	38.36	39.43	37.88	37.66	38.47	13.9	15	21.6	19.5	17.9	15.4	23	13.5	86	68	53	80	76	91	------
11	37.73	37.84	39.49	38.21	38.47	39.12	14.1	13.8	18.5	21.5	16.8	16.6	23.5	13.5	98	89	74	69	92	82	------
12	38.12	37.81	38.69	37.16	37.12	37.80	15.1	13.9	21.1	21.5	17.3	14.6	23.2	13.5	88	82	62	68	83	93	------
13	36.84	36.61	37.70	36.41	36.30	36.95	13.5	13.2	20.9	23	17.4	15	24.2	13	92	79	40	50	74	84	------
14	36.60	36.50	37.54	36.30	36.20	37.53	13.6	13.2	19.4	22.2	16.8	16.1	23.2	12.7	90	91	67	63	90	87	------
15	36.76	36.59	37.60	36.59	36.87	38.05	14.9	14.8	22.8	22.4	17.9	15.9	24.8	13.4	89	82	50	69	89	91	------
16	37.49	37.27	38.59	36.83	37.03	38.03	15.3	15.5	23.4	23	19.4	17.3	25.5	14.8	84	77	49	69	84	93	------
17	37.48	37.53	38.78	37.09	37.17	38.15	16	14.4	21.9	24	18.9	17.7	25.8	14.1	96	99	68	61	90	90	1.3
18	37.32	37.65	38.89	37.77	37.84	38.63	16.4	15.7	21	22.3	19.5	16.7	24.2	15.5	92	88	71	68	75	86	------
19	38.11	38.44	39.88	38.37	38.08	38.89	15.4	14.5	20.5	21	17.2	14.6	24.8	14	83	81	47	75	68	84	------
20	38.46	37.92	38.69	37.84	37.83	38.84	13.9	13.9	18.7	22.8	16.4	15.2	23.6	13.2	84	82	55	40	59	68	------
21	38	38.21	39.23	38.08	37.74	38.70	14.7	15.2	18.9	20.9	17.2	15.4	23.9	14.3	72	75	63	71	74	86	------
22	38.02	38.39	39.42	38.12	37.89	38.70	15.2	15.4	22.1	18.5	16	16.1	22.3	14.9	86	84	64	89	93	78	------
23	37.92	38.04	39.14	37.75	37.24	37.92	14.5	16.4	23.2	23.1	18.6	16.5	24.4	14.2	76	38	41	61	72	84	------
24	36.85	37.07	38.18	36.53	36.76	37.63	16.1	14.9	22.6	21.8	18.1	15.8	24.6	14.5	83	88	52	64	86	86	------
25	36.60	37.02	38.61	37.28	37.36	37.89	15.7	16.5	23.4	24	18.6	16.3	25.4	15.3	62	27	17	55	68	70	------
26	36.72	36.85	38.25	37.19	37.49	37.90	16.3	17.6	22.7	23.1	18.5	17.3	24.6	15	52	23	49	60	78	60	------
27	36.60	36.46	37.80	36.79	36.71	37.15	18.4	19.2	24.4	23	18.2	15.4	26.7	15.4	24	17	14	53	71	89	------
28	36.29	36.53	38.11	36.18	36.55	37.42	14.1	12.8	20.4	20.7	17.5	16.2	23.4	12.6	85	95	51	71	91	88	------
29	36.28	36.39	38.09	36.56	36.58	37.45	15.1	15	23.8	20	18.7	15.7	25.3	14.4	83	69	43	79	68	73	------
Mean	37.80	37.90	39.08	37.69	37.75	38.51	14.6	14.4	20.7	20.7	17.2	15.5	23.4	13.6	84.4	77.6	56.6	70.6	82.1	85.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	2.9

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	NW	WSW	WNW	SE	SE	43.5	64.6	79.2	56.8	244.1	5	----------	S.-Cu. NE	9	----------	S.-cf.
2	E	S	WSW	W	WNW	SE	31.9	45.1	68.7	48.3	194	5	----------	S.-Cu.	10	----------	----------
3	E	E	WSW	W	SE	E	62.2	67	68.9	100.4	298.5	0	----------	Cu.	10	----------	----------
4	E	E	WSW	W	SE	E	95.2	69	60.7	86.4	311.3	0	----------	Cu.	10	----------	----------
5	E	E	SE	WSW	SW	E	68.7	53.1	81.9	104.8	308.5	0	Ci.	Cu.	9	----------	S.-Cu.
6	E	N	WSW	WSW	W	SE	72.4	56.5	95	35.6	259.5	3	Ci.	Cu.	10	----------	Fr.-N.
7	E	ESE	ESE	WSW	W	E	72.4	87.1	89.3	35.2	284	9	----------	S.-Cu. E	10	----------	----------
8	NE	E	SW	WSW	SW	E	29.3	58.4	84	60.6	232.3	10	A.-Cu.	S.-Cu.	10	Ci.-S.	S.-Cu.
9	S	E	ESE	WSW	SE	SE	66	67.6	69.8	86.4	289.8	3	Ci.	S.-Cu.	10	Ci.-S.	Cu.
10	E	SE	WSW	W	SE	SE	113.7	51.7	77.5	71	313.9	7	Ci.-S.	Cu.	10	----------	----------
11	E	ESE	WSW	W	Calm	SE	81.8	68.6	105.4	60	315.8	0	----------	Cu.	8	----------	S.-cf.
12	ESE	E	WSW	W	S	SE	91.1	76.2	111.5	62.6	341.4	0	Ci.	Cu.	9	----------	S.-Cu.
13	E	E	ESE	WSW	Calm	SE	115.3	80.3	127.4	40	363	0	----------	Cu.	1	----------	Cu.
14	E	E	WSW	WSW	S	E	35.6	56.5	87.1	82.4	261.6	2	Ci.	Cu.	5	----------	Cu.
15	NE	E	SW	WSW	WSW	E	81.1	83.5	83.5	71.1	319.2	2	Ci.	Cu.	8	----------	S.-Cu.
16	E	E	SW	W	Calm	E	105.7	73.2	108.4	42.3	329.6	1	Ci.	Cu.	6	----------	Cu.
17	NE	NE	WSW	WSW	NNW	E	29.5	67.3	110.2	33.2	240.2	0	Ci.	----------	9	----------	S.-Cu.
18	ESE	E	Calm	W	W	E	89.6	55	80.3	75.3	300.2	9	----------	S.-Cu.	10	----------	S.-Cu.
19	E	E	E	W	ESE	ESE	122.1	85.1	90.1	136.2	433.5	1	Ci.	S.-Cu.	9	----------	S.-Cu.
20	SE	SE	ESE	ESE	SE	ESE	169.5	197.3	119.7	146.4	632.9	0	----------	Cu.	1	Ci.	Cu.
21	SE	E	ESE	S	ESE	E	159.3	153.5	85.6	132	530.4	9	----------	S.-Cu.	9	----------	S.-Cu. SE
22	E	SE	WSW	W	NE	SE	123.1	52.6	80.8	62.5	319	9	A.-Cu.	S.-Cu.	10	----------	----------
23	E	SE	SW	WSW	SE	E	120.4	78.4	96.1	88.8	383.7	0	Ci.	Cu.	6	----------	Cu.
24	SE	E	E	WSW	SW	E	115.6	100.9	135.5	74.5	426.5	1	Ci.-Cu.	Cu.	8	Ci.	s.-cf. SbyW
25	ESE	ESE	ESE	WSW	W	E	149.4	96.1	108.3	45.6	399.4	5	Ci.	S.-Cu.	3	Ci.	Cu.
26	E	E	SW	WSW	SE	SE	91.2	72.4	103.8	122.3	389.7	9	Ci.-S.	----------	2	----------	Cu.
27	SE	SE	ESE	WSW	SSE	SE	182.3	149.1	103.3	125.7	560.4	2	Ci.	Cu.	2	----------	Cu.
28	S	Calm	SE	W	N	E	96	51	99.5	69.5	316	2	Ci.	S.-Cu.	6	----------	Cu. WSW
29	E	E	NW	W	SE	SE	109.7	60.4	102.4	86.7	359.2	2	Ci.	----------	10	----------	Cu.
Mean	------	------	------	------	------	------	93.9	78.5	93.6	77.3	343.4	3.3	----------	----------	7.6	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	9,957.6	----	----------	----------	----	----------	----------

BAGUIO.

[$\phi = 16° 25'$ N; $\lambda = 120° 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

MARCH, 1912.

Day.	Atmospheric pressure, 600 mm.						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	36.47	36.88	38.63	37.04	37.29	38.29	15.1	13.5	21.5	24.4	18.9	15.9	25.5	13.2	67	77	27	44	62	81	
2	37.38	37.88	39.51	37.91	37.94	38.68	15	14.6	22.4	23.1	18.4	15.9	26.2	14.3	80	78	30	63	79	73	
3	38.02	38.42	40.03	38.75	38.44	38.59	15.4	14.4	22.3	23.8	20.4	16.9	25.4	14.4	66	66	36	51	56	78	
4	37.85	38.31	39.75	38.09	37.74	38.12	16.1	15.2	18.8	21.1	17.1	16.3	22.6	14.6	82	87	75	60	96	85	
5	37.05	37.17	38.52	37.53	37.55	38.29	15.2	15.3	23.2	23.4	19	17	26.3	14.5	68	46	25	44	73	76	
6	37.74	38.03	39.04	37.50	37.61	38.80	14.6	15	24.5	23.7	19.4	16.3	26.1	14.2	88	76	28	60	84	92	
7	37.37	37.99	39.54	38.14	38.13	38.69	16.1	14.9	23.7	24.3	19.6	17.4	25.8	14.7	83	88	36	59	72	79	
8	38.20	38.41	39.77	38.54	38.64	39.45	17.2	16.9	22.5	22.4	19.5	18.4	25.8	16.7	79	80	61	69	80	81	
9	38.76	39.17	40.24	38.85	38.31	38.84	17.1	15.9	20.8	20.2	19	17.8	24.3	15.6	91	98	73	80	88	90	
10	38.27	38.69	39.66	37.71	37.66	38.28	16.4	15.5	20.5	24	18.4	16.5	25.4	15	99	97	77	62	82	88	
11	37.10	36.95	38.18	36.53	35.91	36.58	15.1	14	21.7	19.8	18.4	16.9	23.4	13.8	93	98	63	78	75	74	
12	35.70	35.47	37	35.79	35.69	36.41	14.7	13.9	21.1	20.3	17.5	17.8	24.5	13.5	87	93	62	78	87	68	
13	35.43	35.96	37.63	36.23	36.06	37.13	15.6	15.2	22.3	25.1	18.4	17.7	26.2	14.5	78	74	51	51	78	72	
14	36.71	36.88	38.60	37.11	36.83	37.98	16.8	15.6	21	24.1	19.4	17.9	25.8	15.5	77	83	66	59	76	81	
15	37.21	37.45	38.97	37.57	37.29	38.22	16.2	15.5	21.7	20.4	18	17.3	25.4	15	89	89	65	75	91	93	
16	37.20	37.44	39.05	37.33	37.13	38.33	17	15.2	18.6	19.3	18.2	16.7	23.4	14.8	90	97	84	86	81	82	1
17	37.47	37.82	39.37	37.64	37.44	38.69	16.5	14.9	18.6	22.8	18.2	17.7	23.8	14.5	81	77	83	66	88	88	
18	37.89	38.18	39.49	37.96	37.86	38.92	15.7	15.2	19.5	19	17.1	14.6	21.5	14.4	95	93	80	86	89	94	
19	38.09	38.34	39.87	38.25	38.09	39.10	14.2	13.9	21.6	21.9	18.3	15.5	23.9	13.5	91	88	48	69	85	93	
20	38.15	38.19	39.23	37.96	37.91	39.37	14.4	14.2	23	22.2	19	16.8	25.6	13.9	90	81	55	65	80	91	
21	38.39	38.73	40.40	38.92	38.82	39.90	15.2	14.8	18.4	21.6	18.4	15.9	23.4	14.2	90	86	79	73	91	95	
22	39.02	39.59	40.55	38.85	38.69	39.55	16.2	14.2	22.4	23.5	18.6	16.4	26	13.8	83	90	38	50	62	75	
23	38.45	38.86	39.78	37.96	37.95	38.79	14.9	13.6	21	25.9	18.9	16.4	27.2	12.8	56	64	38	38	64	79	
24	38.22	38.55	39.50	38.45	38.58	40.17	14.8	14.4	19.4	22.6	18.5	16.9	26.3	13.5	87	87	63	60	84	85	
25	39.27	39.33	40.08	38.66	38.64	39.58	15.6	15	24.5	24.3	19.4	16.6	26.8	14.6	86	76	39	57	69	80	
26	38.58	38.62	39.06	37.83	38.10	39.44	15.5	13.8	22.2	24	18.5	16.6	27.5	13.5	86	93	46	39	68	60	
27	37.79	38.12	39.71	38.34	38.36	39.14	15	12.2	23.2	24.8	18.5	15.8	25.9	12.2	60	72	27	44	75	83	
28	38.27	38.10	39.66	38.17	38.19	39.01	14.8	14.4	21.8	25.1	19.4	16.7	27	13.9	75	65	30	43	67	76	
29	37.94	38.22	40	38.93	38.70	39.35	15.2	14.9	22.3	23.9	19.6	17.1	26.2	14.5	82	71	57	59	82	79	
30	38.51	38.76	40.03	38.68	38.69	39.62	16.1	15.4	23.2	24.5	19.4	16.5	26.3	14.4	72	65	34	47	67	70	
31	38.60	38.55	39.69	38.18	38.19	39	15.4	14.4	22.4	23.4	18.4	15.6	25	14.1	74	72	27	55	77	83	
Mean	37.78	38.03	39.37	37.92	37.82	38.72	15.6	14.7	21.6	22.9	18.7	16.7	25.3	14.3	81.5	80.9	51.7	60.3	77.7	81.4	
Total																					1

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	NE	E	WSW	W	W	86.7	85.6	114.3	35.1	321.7	2		Cu.	3	Ci.	Cu. ESE
2	SE	Calm	E	W	N	E	62.8	54.1	107.3	50.2	274.4	4	Ci.		2		Cu.
3	SE	E	ESE	WSW	Calm	E	63.1	82.1	104.1	35.6	284.9	1	Ci.	Cu.	8		S.-Cu. SE
4	SE	E	W	S	W	S	100.3	62.3	75.6	47.3	285.5	8	A.-Cu.	S.-Cu. ESE	9		S.-Cu. ESE
5	SE	NE	ESE	WSW	Calm	SE	111.3	75.8	124.2	31.4	342.7	5	Ci.	Cu.	4		S.-cf.
6	E	E	E	WSW	Calm	E	70.8	95	119.4	62.5	347.7	1	Ci.		8		S.-Cu. SE
7	E	NE	ESE	WSW	SSE	SE	110	71	96.6	113.5	391.1	0			7		S.-Cu. SE
8	E	ESE	WSW	W	Calm	Calm	148.4	92.2	104.6	17.2	362.4	1	Ci.	S.-Cu.	9		S.-Cu. SE
9	Calm	E	WSW	W	Calm	SE	41.8	68.4	98.2	19.8	228.2	10			9		S.-Cu. WSW
10	SE	E	WSW	W	W	E	36.4	60.2	117.5	28.5	242.6	8	Ci.	S.-Cu.	6		Cu. WSW
11	E	NE	WSW	W	SE	SE	42.3	91.7	91.2	98.7	323.9	1	Ci.	Cu.	10		
12	E	E	WSW	W	Calm	SE	85	88.8	126	78.9	378.7	2	Ci.		10		S.-Cu. SSE
13	E	SE	WSW	WSW	W	E	73.8	70.2	126.6	31.4	302	6	Ci.		7	Ci.	Cu.
14	SSE	E	WSW	WSW	W	SE	51.8	57.4	114	57.9	281.1	9	Ci.-S.		8	Ci.	S.-cf.
15	E	N	WSW	WNW	W	Calm	57.6	83.7	135	19.8	296.1	2	Ci.	Cu.	10		S.-Cu. NW
16	W	N	WSW	WSW	NE	NNW	23.1	60.2	94.4	39.2	216.9	10	Ci.	Cu.	10		
17	W	NE	WSW	WSW	Calm	S	37.8	49.7	91.7	32.2	211.4	8		S.-Cu.	9		S.-cf. NE
18	NE	NE	W	W	SE	E	52.6	65.5	67.3	104.6	290	9	Ci.	S.-Cu.	10		Fr.-N.
19	ESE	E	E	WSW	W	E	111.2	88.8	109.6	72.2	381.8	3	Ci.	S.-Cu.	8		Cu.-N.
20	E	E	WSW	W	W	SE	121	88.7	117.2	31.1	358	8	Ci.	Cu.	8		S.-Cu.
21	E	E	W	WSW	W	E	49.6	55.7	98.5	50.4	254.2	7		S.-Cu. E by N	10	Ci.-S.	S.-Cu.
22	ESE	NE	ESE	WSW	W	E	95.6	56.6	129.3	64.7	346.2	0		Cu.	3		Cu.
23	ESE	E	SE	W	W	SE	130.7	117	154.7	43.3	445.7	1	Ci.	Cu.	2		Cu.
24	W	NE	WSW	W	Calm	S	44.8	77.7	116.9	42.4	281.8	2	Ci.	S.-Cu.	6		cu. S, WSW
25	ESE	E	WSW	WSW	S	SE	92.7	110	118	66.2	386.9	0			7		Cu.
26	E	E	ESE	WSW	W	SE	88.5	109.9	105.9	57.9	362.2	0		Cu.	2		Cu.
27	E	E	NE	WSW	W	SE	104.8	85.9	128.1	49.4	368.2	0			1	Ci.	Cu.
28	E	SE	ESE	W	WSW	E	102	135.7	131.8	67.8	437.3	0			1		Cu.
29	E	E	WSW	WNW	W	SE	93.6	81.8	122.3	86.6	384.3	0			7		S.-cf. NE
30	E	SE	E	WSW	W	SE	81.5	64.6	124.5	42.6	313.2	0		Cu.	4		S.-cf.
31	SE	SE	ESE	WSW	Calm	SE	79.9	93.3	119.7	58.1	351	0		Cu.	8		S.-Cu. SSW
Mean							79.1	80	112.4	52.8	324.3	3.5			6.6		
Total											10,052.1						

BAGUIO.

[$\phi = 16° 25'$ N; $\lambda = 120° 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

APRIL, 1912.

Day.	Atmospheric pressure, 600 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	37.86	38.01	39.25	37.51	37.64	38.60	14.3	13.4	22	24.3	19.4	16.3	26.4	13.2	87	76	43	45	64	75	------
2	37.86	38.32	39.08	37.84	38.02	39.16	15.6	14.3	22.7	25	19.4	17.2	26.7	14	75	82	37	48	71	82	------
3	38.14	38.37	39.38	38.11	37.78	38.33	15.6	15.1	24.3	22.4	19.2	16.9	25.6	14.9	89	91	42	66	79	84	------
4	37.49	37.70	38.53	36.91	37.06	37.78	15.3	14.5	23.4	27	18.9	16.3	28.1	13.9	84	68	35	33	84	87	------
5	37.30	37.23	38.41	37.35	37.29	38.32	15.1	14.5	23.8	21.4	18.4	17.3	26.8	13.8	88	87	57	70	89	90	------
6	37.76	37.70	38.74	37.52	37.52	38.60	16.2	16	20.5	23.4	20	18.2	26.5	15.7	94	89	71	68	84	87	------
7	37.93	38.01	39.08	37.65	37.72	38.76	16.8	16.8	20.1	24.3	18.4	17.9	25.6	16.1	95	90	74	54	87	91	5.1
8	37.70	37.80	38.93	37.72	37.76	38.63	17.3	16.6	19.4	21.6	18.9	17.8	23.2	16.2	92	96	90	81	89	92	.5
9	37.55	38.06	39.33	38.27	38.47	39.69	16	16	20.6	24	19.1	18.3	26.1	15.6	98	95	82	70	92	91	------
10	38.96	39.53	40.33	39.38	39.37	40.20	17.4	16.7	21.7	24.4	21	19.2	27.2	16.3	87	90	71	69	91	87	------
11	39.34	39.52	40.35	39.25	39.41	40.64	17.2	16.8	23.1	22.5	20.2	18.5	26.8	16	92	85	64	72	74	82	------
12	39.92	39.86	40.60	39.20	39.10	39.88	16.6	16.6	19.6	19.4	18	16.5	23.1	15.4	97	96	86	94	89	92	1.4
13	39.47	39.81	41.19	39.74	39.70	40.91	15.3	15.8	23.5	24.8	17.8	17.4	26.9	14.5	83	67	52	54	90	84	------
14	39.72	40.12	40.84	39.08	39	40.03	15.5	16	23.4	25	19.2	17.3	27.3	14.4	84	69	39	59	84	92	------
15	39.06	39.08	39.81	38.18	38.29	39.20	15.6	16.4	21.6	21.5	18.8	17.1	25.9	15.1	100	83	71	68	92	99	------
16	38.12	38.14	39.44	38.22	38.15	39.04	16.1	16.2	20.4	18.9	18.9	17.9	23.9	15.3	97	90	81	85	84	86	------
17	38.12	38.31	39.21	38.06	37.84	38.92	16.4	15.2	22.6	22.1	18.8	17.3	26.6	14.4	87	92	63	65	84	89	------
18	38.01	38.10	38.95	37.91	37.81	38.42	16.1	15.6	21.7	21.7	17.8	16.2	25	15.5	92	91	70	65	88	97	------
19	37.99	37.80	38.74	37.56	37.57	38.46	16.4	15.5	19.9	24.2	19.4	18.6	25.4	14.8	91	95	78	59	85	85	------
20	37.30	37.35	38.69	37.53	37.67	38.27	16.8	16.5	20.7	22.3	19.6	17.3	25.4	15.7	90	81	76	70	78	88	------
21	37.16	37.16	38.43	37.41	37.47	38.53	16.4	15.2	24	26.6	21.3	17.8	28.3	14.2	85	85	38	43	69	84	------
22	37.54	37.65	38.48	37.70	37.46	38.19	17.3	17.2	24.4	24.5	20.3	18.5	28.3	15.7	80	78	46	59	84	85	------
23	37.37	37.49	38.13	37.19	37.22	38.08	17.1	17.4	24.3	25.6	20.6	18.2	27.4	16.2	89	76	59	66	80	84	------
24	37.09	37.14	38.08	36.73	36.87	37.65	17.3	17.9	23.7	26.4	20.9	18.4	27.4	16	71	55	49	55	66	78	------
25	36.62	36.90	37.77	36.53	36.41	38.03	17.2	16.8	21.3	24.7	19.9	18.2	27.4	16.2	86	89	67	62	86	92	------
26	37.10	37.11	38.30	37.17	37.05	38.08	16.7	16.8	22.5	23.5	19.5	19.4	26.6	15.8	96	90	72	65	89	82	------
27	37.26	37.29	38.36	37.33	37.34	38.39	17.6	16.8	23.2	27.4	20.5	18.2	28	16.2	80	76	62	50	87	93	------
28	37.49	37.60	38.55	37.20	36.93	38	16.7	16.4	22.8	26	20.3	18.6	28	15.7	99	96	72	57	82	87	------
29	36.86	37.09	37.99	36.32	36.20	37.12	17.7	16.9	23.9	25.7	21.4	19.4	28.1	16.8	92	94	67	62	91	93	.8
30	36.09	36.11	37.16	35.47	35.75	36.76	18.5	17.7	21.9	22	20.4	19.1	27.6	17.2	96	96	80	81	82	89	.2
Mean	37.87	38.01	39	37.73	37.73	38.69	16.5	16.1	22.2	23.8	19.5	17.8	26.5	15.4	89.2	84.9	63.1	63.2	83.1	87.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	8

Day.	Wind. Direction.						Wind. Total movement in 6 hours.				Wind. Total movement in 24 hours.	Clouds. 6 a. m.			Clouds. 2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	E	WSW	W	W	SE	88	85.6	125.3	60.7	359.6	0		Cu.	4		Cu. SSE
2	SE	E	E	W	NNE	NE	67	87.5	129.7	25.7	309.9	0		Cu.	7		S.-cf. ESE
3	E	E	E	WSW	N	E	55	84.3	109.2	54.7	303.2	2	Ci.	Cu.	8		Cu. WSW
4	E	E	ESE	W	W	SE	104.1	103.8	146.4	52.6	406.9	0		Cu.	3		S.-cf.
5	E	E	WNW	W	NW	E	90.9	88.5	127.1	62.6	369.1	0		Cu.	9		S.-cu.WSW
6	W	SE	WSW	WSW	N	SE	34	68.1	115.4	46.4	263.9	8	Ci.	S.-Cu. E	9		S.-cf.WSW
7	E	NE	SW	W	W	NE	29.5	75.3	110.8	42.8	258.4	10		S.-Cu.	10		Fr.-N.
8	SE	N	W	WNW	Calm	SE	50.1	61	78.4	59.2	248.7	10		S.-Cu. NW	10		Fr.-N.
9	E	NNE	W	W	Calm	NE	65.7	78.6	105.6	27.2	277.1	2	Ci.	Cu.	8		Cu.-N.
10	E	E	SW	W	NE	SE	48.1	73.4	115.4	84.2	321.1	4	Ci.	S.	9		Cu.-N. SW
11	E	N	WSW	W	W	S	80.3	84.2	120.2	39.4	324.1	0			9		S.-Cu. W
12	E	NNE	W	W	SE	E	38	64.7	87.4	205.2	395.3	6	Ci.	S.-Cu. NEbyE	10		
13	ESE	E	SW	WSW	WSW	NE	171.1	121	162.3	51.5	505.9	1	Ci.-Cu.	Cu.	8	Ci.-S.	Cu. WbyS
14	E	E	E	WSW	W	W	93.5	115.7	132.8	48.3	390.3	0		Cu.	7		S.-Cu. E
15	NE	NE	WSW	W	W	Calm	52.9	78.9	121.2	45.9	298.9	1	Ci.	S.-Cu.	8		S.-Cu. E,NW
16	N	E	W	W	Calm	SE	41	71.9	91.7	26.9	231.5	2	Ci.	S.-Cu.	10		S.-Cu.
17	SE	E	W	W	W	E	65.8	91.5	120.5	27.6	305.4	1		Cu.	8	A.-Cu.	S.-Cu.-N.SSW
18	E	SE	W	W	Calm	NE	45.6	83.2	102	40.2	271	1	A.-Cu.	S.-Cu.	9		Cu.-N. WSW
19	SE	E	W	W	NW	E	66.5	79.7	113.2	36.7	296.1	1		Cu.	7		Cu. WSW
20	SE	E	WSW	W	W	E	90.9	68.1	114.5	46.9	320.4	1	Ci.		9		S.-Cu.ESE
21	E	E	ESE	W	W	SE	122.3	115.4	137.1	57.7	432.5	1		Cu.	4		Cu.
22	E	NE	NW	W	Calm	SE	79.5	75.8	131	38	324.3	0			4		Cu. SW
23	E	E	NE	W	W	SE	78.9	101.4	114.6	60.4	355.3	0		Cu.	9		Cu. WSW,NE
24	E	E	WSW	NW	NE	SE	93.1	91.1	124.1	52	360.3	0		Cu.	6		Cu. W
25	E	E	W	W	W	W	60	78.6	155.8	47.2	341.6	1	Ci.	Cu.	8		Cu. ENE,W
26	NW	N	W	W	WSW	E	28.7	83.5	129.3	59.8	301.3	2	Ci.	Cu.	7		Cu. W
27	E	E	W	W	W	SE	108	92.8	133.6	47.2	381.6	1	Ci.	Cu.	6		Cu. SE,W
28	E	NE	W	W	W	SE	57.9	70.8	147.1	34.9	310.7	0		Cu.	3		Cu. W
29	SE	ESE	WSW	W	Calm	SE	69.2	85.8	131.8	53.1	339.9	5		S. ESE	8		S.-cf. SW
30	SE	E	WSW	W	NE	NNE	57.9	71	118.6	48.5	296	3		Cu. EbyS	10		S.-Cu. W
Mean	------	------	------	------	------	------	71.1	84.4	121.7	52.8	330	2.1			7.6		
Total	------	------	------	------	------	------	------	------	------	------	9,900.3						

BAGUIO.

[$\phi = 16° 25'$ N; $\lambda = 120° 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

MAY, 1912.

Day.	Atmospheric pressure, 000 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	35.78	35.84	36.77	35.39	35.68	36.90	17.8	17.5	21.1	23.4	18.5	18.4	26.3	17.2	97	93	84	75	88	85	3.1
2	36.07	36.29	37.52	36.64	36.63	37.93	17.5	17.5	20.8	22.3	19.3	18.6	24.3	16.6	90	84	84	79	86	89	------
3	37.48	37.83	38.86	37.94	38.10	39.11	17.4	17	21.9	23.9	19.5	19	27.2	16.3	94	93	76	66	92	90	------
4	38.27	38.38	38.97	37.62	37.52	38.01	17.7	17.8	22.3	22.3	19.9	19.5	24.9	16.5	99	90	78	78	86	82	------
5	37.20	37.31	37.76	36.46	36.51	37.20	18.4	17.4	21.4	22.2	18	16.8	27.2	16.6	87	92	77	76	94	92	48
6	36.29	36.38	37.29	36.21	36.58	37.44	16.9	17.4	22.4	23.9	18.2	16.7	24.9	16.2	83	72	63	61	94	98	4.6
7	36.45	36.86	37.44	36.60	36.41	37.33	17.4	17.4	21.8	23.9	18.8	17.5	25.5	16.4	89	89	69	67	94	91	------
8	36.50	36.71	37.77	36.64	36.36	37.38	17	17.2	23	19.5	18.6	16.4	23.4	15.4	75	70	62	89	95	100	3.6
9	36.40	36.07	37.09	36.03	35.96	37.43	16	17.3	20	22.4	18.4	18.2	24	15.7	99	85	84	78	94	88	1
10	36.50	37.12	38.04	37.12	37.59	38.49	16.4	17.4	24	22.7	18.4	17.6	25.5	15.7	83	68	50	73	89	96	22.6
11	37.49	37.87	38.74	37.29	37.59	38.20	17	17.4	19.8	20.8	18.4	17.4	24.3	16.3	96	91	92	84	95	95	------
12	36.66	37.06	37.96	37.06	36.59	37.34	17.3	17.4	20.3	19.9	18.6	17.6	25.8	15.8	94	89	78	90	96	97	------
13	36.34	36.79	37.47	36.46	36.09	36.96	17.9	17	21	18.8	18.4	18.1	25.8	17	86	94	76	95	94	90	1.8
14	36.08	36.41	37.88	36.75	36.61	37.42	17.7	17.3	21.8	20.9	19	18.1	24.4	16.6	91	88	76	85	94	94	.8
15	36.48	36.64	37.84	36.79	36.65	37.58	17.9	17	22.5	25	19	17.4	25.6	16.1	82	83	68	55	89	92	------
16	36.56	36.08	37.59	36.93	36.24	37.31	17.4	17.7	22.6	24.4	19.3	18.1	25	16.1	80	73	61	56	90	94	------
17	36.23	36.59	37.77	36.72	36.59	37.24	17.9	17.7	22.6	25	19.9	19.6	25.9	16.9	82	81	70	53	90	77	------
18	36.34	36.88	38.45	37.42	37.18	38.04	18.5	18.1	22.7	24.5	18.6	19.5	27.2	16.8	83	85	71	75	89	80	.5
19	37.30	37.45	37.94	36.83	36.82	37.18	18.7	18.4	23	22.5	16.5	18.8	26.5	16.2	88	89	70	82	80	70	19.5
20	36.59	36.49	37.15	36.48	35.76	36.61	18.8	19	23.3	17.2	17.5	19.4	25.6	16.6	75	81	68	79	84	69	19.8
21	35.86	36.62	37.59	36.03	36.56	37.43	17.8	18	21.4	19.9	18.4	17.7	23.8	16.9	83	83	77	90	85	79	------
22	36.70	36.58	37.30	36.46	36.38	37.08	17.7	17.7	22.7	22	18.7	18.1	24.8	16.3	80	82	70	77	88	87	------
23	36.03	36.44	37.34	36.13	36.81	37.50	17.9	18.4	20.3	21.4	17.4	17.2	25.3	16.2	89	84	87	86	98	92	34.9
24	36.60	36.29	37.16	35.98	35.57	36.73	17.1	18.5	22.6	23.4	18.9	18.4	25	15.8	90	76	64	76	95	95	1.8
25	35.99	36.15	36.39	34.93	35.05	36.05	18.2	18.4	21.4	22	17.9	18.2	25.4	17.1	94	90	82	89	94	89	20.1
26	35.09	35.48	36.59	35.64	35.74	36.47	17.3	18.1	21.8	18.5	17.9	18.2	24.4	16.8	95	88	71	97	94	84	13.1
27	35.61	35.60	36.53	35.69	36.06	36.79	17.7	18.5	22.4	18.9	18	18.2	24.3	16.7	85	78	74	94	94	88	26.2
28	36.21	36.69	37.55	36.59	36.80	37.90	17.5	18.2	23.7	21.6	19.5	18.7	24	16.8	93	82	70	82	93	93	1.1
29	37	37.34	38.29	37.03	36.79	37.90	18.3	18.7	23.4	21.5	18.9	19.1	24.4	17.5	94	86	73	89	93	87	1
30	36.87	37.08	37.96	36.50	36.45	37.53	18	18.7	21.6	22.5	19.3	18.3	25.2	17.2	93	83	87	88	95	96	9.4
31	36.80	36.75	37.88	36.54	36.39	37.58	17.4	17.8	21.8	22	20.1	18.4	23.5	17.3	100	93	80	86	94	98	.5
Mean	36.51	36.71	37.64	36.55	36.52	37.42	17.6	17.8	22	21.9	18.6	18.2	25.1	16.5	88.7	84.4	73.9	79	91.5	88.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	233.4

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Ncon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	SE	W	W	N	E	53.5	81.6	109.7	67	314.8	8	----------	S.-Cu. S	10	----------	N.
2	SE	E	W	WSW	NNE	SE	76.2	83.1	108.1	68.2	335.6	1	Ci.	Cu.	10	----------	Fr.-N.
3	SE	SE	WSW	WNW	W	Calm	85.6	79.1	129.2	38.6	332.5	3	Ci.-Cu.	Cu.	6	----------	Cu. W
4	SW	Calm	WSW	W	N	S	29.6	63.3	95.5	56.9	245.3	1	Ci.	Cu.	10	----------	Fr.-N. W
5	SE	Calm	WSW	WSW	NNW	N	25.9	63.1	118.9	73.8	281.7	4	A.-Cu. NW	Cu.	7	----------	Cu. EbyN,W
6	NW	Calm	WSW	W	WNW	NE	55.7	75.4	155.3	76.4	362.8	1	Ci.	Cu.	4	----------	S.-Cu. W
7	Calm	Calm	WSW	WNW	W	N	33.3	73.5	144.5	73.7	325	1	Ci.	Cu.	6	----------	Cu. W
8	WNW	NW	W	W	W	NE	53.3	78.7	76.9	44.9	253.8	2	A.-Cu.	Cu.	9	A.-Cu.	S.-Cu.
9	NE	ESE	SW	WSW	W	SE	61	73.8	121.5	59.8	316.1	8	Ci.-S.	Cu.	10	----------	----------
10	E	E	ESE	WSW	E	SE	120.1	87.5	90.3	51.7	349.6	7	A.-Cu.	Cu.	9	----------	N.-cf. W
11	E	E	W	W	W	NE	77.5	56.5	115.6	71.4	321	2	Ci.	Cu.	9	----------	N. W
12	Calm	NNE	WSW	WNW	NW	NE	28.2	83.1	119.4	71.6	302.3	0	----------	Cu.	10	----------	N.
13	Calm	W	WSW	WNW	NW	E	33.3	74.3	97.9	54.2	259.7	6	Ci.	S.-Cu.	10	----------	----------
14	W	SW	W	W	W	E	24.1	79.7	122.8	45.9	272.5	8	----------	Cu.	8	----------	S.-Cu. WSW
15	W	Calm	W	WSW	WNW	W	30.8	74.8	140.3	49.4	295.3	8	Ci.	Cu.	5	Ci.	Cu.
16	S	SE	WSW	W	W	SW	68.9	91.9	139.7	26.8	327.3	7	Ci.	Cu.	7	Ci.	Cu. WbyS
17	SE	Calm	WSW	W	W	E	38.8	72.7	135.8	86.7	334	2	Ci.	Cu.	3	Ci.	Cu.
18	SE	E	WSW	W	NE	SE	82.3	80.3	120.7	89.8	373.1	5	Ci. NE	Cu.	10	----------	Cu.-N.
19	SE	N	W	W	E	W	36.2	75.3	107.6	60.4	279.5	1	Ci.	Cu.	10	----------	S.-Cu. WSW
20	S	E	WSW	SW	NE	SE	50.2	69	103.6	48.5	271.3	4	Ci.	S.	10	----------	N.
21	W	Calm	WSW	W	NE	E	25.1	66.5	105.9	70.8	268.3	3	Ci.	Cu.	8	Ci.	Cu.-N.
22	NW	NNE	W	W	N	E	37.6	73.5	114.9	58.9	284.9	6	Ci. ENE	Cu.	10	----------	Fr.-N. NW
23	SE	E	SW	W	WNW	N	68.9	56.1	97.6	58.4	281	8	Ci.	Cu.	10	----------	----------
24	E	E	WSW	W	WNW	SW	34.3	67.8	130.4	47.8	280.3	4	Ci.	Cu.	7	Ci.	Fr.-Cu. W
25	SE	S	WSW	WSW	N	N	37.6	60.9	128.7	50.2	277.4	2	Ci.-Cu.	Cu.	10	----------	N.
26	Calm	SE	WSW	W	N	NE	28.7	72.7	90.6	84.3	276.3	8	A.-Cu.	S.-Cu.	10	----------	----------
27	S	W	WSW	W	NNW	SE	21.7	65.7	96	82.4	265.8	6	Ci.	Cu.	10	----------	----------
28	E	SE	ESE	WSW	SW	E	94.3	79.9	57.1	43.3	274.6	6	Ci.-Cu. NW	Cu.	9	Ci.	Cu.-N.
29	ESE	ESE	NE	WSW	E	S	95.6	56.9	94.4	44.3	291.2	2	Ci.	Cu.	10	----------	N.
30	E	SE	W	W	WSW	NE	46.9	62	99.6	36.2	244.7	5	Ci.	Cu.	8	----------	S.-Cu. WSW
31	NW	NE	W	W	W	Calm	31.4	81.1	81	22.8	216.3	9	A.-Cu.	Cu.	10	Ci.-S.	Cu.-N.
Mean	------	------	------	------	------	------	51.3	72.9	111.3	58.6	294	4.5	----------	----------	8.5	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	9,114	----	----------	----------	----	----------	----------

BAGUIO.

[$\phi = 16° 25'$ N; $\lambda = 120° 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

JUNE, 1912.

Day.	Atmospheric pressure, 600 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P.ct.*	*mm.*
1	36.57	36.61	37.36	36.73	36.77	37.88	17.5	17.9	21.6	19.5	18.8	18	22.8	17.2	98	83	85	92	90	91	5.3
2	37.40	37.81	38.52	37.28	37.42	38.37	18.1	18.4	21.5	20.5	18.7	18.2	23.8	16.5	85	75	73	85	92	94	2.2
3	37.76	37.61	38.40	37.22	37.23	37.59	17.7	18.4	23.2	23.4	19.1	18.5	25.5	16.7	99	89	58	80	96	94	1.8
4	36.65	36.40	36.89	36.23	36.16	37.19	17.7	18.3	22.4	21	18.8	18.2	25.6	17.4	96	84	68	95	95	98	9.1
5	36.17	35.95	36.99	35.95	36.22	37.32	17.4	18.6	21.9	20.5	18.9	18	23.5	16.5	100	88	80	90	92	95	------
6	36.58	36.57	36.81	35.93	35.79	37.40	17.3	18	23.5	21.4	19.2	18.3	24.8	17	99	84	74	84	94	98	------
7	36.41	36.38	36.89	35.57	35.75	37.03	17.4	18.3	22	21.2	19	17.2	24.9	16.3	97	82	77	79	97	99	22.9
8	35.61	36.04	36.88	35.69	35.85	37.05	17.3	17.3	21.4	20.4	18.7	17.3	23.8	16.4	98	97	78	89	95	100	4.1
9	36.26	36.16	37.01	36.14	36.33	37.50	16.9	17.5	22.5	20	17.9	16.3	23.5	15.8	95	85	81	91	98	100	19
10	36.38	36.85	37.29	36.19	36.52	37.66	17.2	17.3	21.3	22	18.2	18	23.7	16.3	92	90	74	81	96	96	4.4
11	36.85	36.64	37.72	36.50	36.70	37.48	17.4	18	21.5	22.8	18.1	18.2	24.6	16.8	99	94	87	83	84	86	1.8
12	37.01	36.89	37.78	35.69	35.78	37.01	17.4	17.9	20.9	22.4	17.4	17.3	24.9	16.7	96	94	90	86	98	92	38.4
13	36.34	36.48	37.20	35.67	35.94	37.27	16.9	16.7	21.4	20.5	18.2	17.3	24.6	16.4	96	98	75	89	96	98	15.5
14	36.50	36.42	36.81	35.93	35.93	37.48	16.9	17	20.4	20.5	17.8	16.3	23	15.6	98	95	85	90	98	99	102.1
15	35.44	35.79	36.30	35.82	36.17	36.23	17.4	16.5	22.9	23.2	18.2	17.4	25	15.8	81	83	66	69	99	99	66.8
16	35.19	35.05	36.10	35.50	35.35	35.88	17.4	17.6	21.4	19.5	17.7	17.2	23.3	16.5	92	91	78	97	98	96	4.9
17	34.90	34.83	35.55	34.80	34.75	35.80	17.2	17.1	21.9	19.5	18.7	17.7	23	16.4	94	92	88	97	94	96	9.2
18	35.20	35.30	36.08	35.58	35.64	36.19	17.2	16.9	21	20.4	18.4	17.7	22.5	16.3	93	92	85	91	96	100	16.2
19	34.99	35.29	35.95	34.72	34.82	35.82	17.2	17.5	19.6	18.7	17	17.3	21.5	16.6	100	98	92	97	99	99	53.3
20	34.88	34.95	35.54	35.06	34.94	35.86	17.1	17.8	18.8	20.4	18.3	17.3	21.3	16.5	100	98	99	94	97	100	23.8
21	34.78	34.89	35.59	35.27	35	36.31	16.8	17.1	20.4	19.1	18.1	17.4	23.1	16.2	100	96	84	93	89	90	7.7
22	35.23	35.10	36.20	35.64	35.98	36.61	16.2	18.3	21.9	21.9	16.9	17.4	24.8	15.4	97	72	77	77	99	93	32.8
23	35.79	36.12	36.57	35.83	35.64	36.63	16.9	16.6	21.4	23.2	17.8	17.4	25.2	15.8	94	94	73	64	91	93	5.8
24	35.46	35.60	36.34	35.59	35.49	37.05	17.6	18.5	22.9	22.3	18.8	17.6	24.7	17	87	70	61	83	95	98	4.6
25	35.92	35.89	36.37	35.62	35.79	37.09	16.9	17.5	23.1	21.1	18.4	17.5	25	16.3	97	89	55	87	94	96	1.3
26	36.18	35.88	36.77	36.32	36.08	37.35	17.7	17.2	21.9	21.9	19.2	17.7	23.7	16.7	92	95	85	84	96	100	------
27	36.08	35.83	36.35	35.73	35.34	36.19	17.2	18.2	23	22.7	18.9	18.3	25.3	16.8	98	89	63	77	93	93	------
28	35.33	35.12	35.70	35.12	34.80	36.11	17.6	17.4	21.5	22.9	19.5	18.3	24.7	17.1	93	93	73	74	94	96	------
29	35.33	35.29	35.66	35.25	35.57	36.92	17.5	17	21	21.2	18.5	17.7	24.3	16.5	96	89	82	88	98	96	------
30	35.91	35.96	36.57	35.94	35.91	36.99	17.2	17.9	22	20	18.5	17.8	23.6	16.8	97	84	79	96	98	99	12.2
Mean	35.97	35.99	36.67	35.82	35.86	36.91	17.3	17.6	21.7	21.1	18.4	17.6	24	16.5	95.3	88.8	77.5	86.1	95	96.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	465.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	SE	W	W	SE	E	42.6	60.4	38.9	71.4	213.3	8	A.-Cu. NNE	S.-Cu.	9	----------	Fr.-N.WSW
2	NW	NE	W	W	E	S	33	60.9	59.5	41	194.4	5	A.-Cu.	Cu.	7	Ci.	Cu.-N.
3	E	E	S	W	N	W	49.3	52.5	104.8	44	250.6	5	Ci. N	Cu.	9	----------	Fr.-N.WSW
4	NE	E	SE	W	NW	NE	56.9	49.6	114.3	39.9	260.7	10	Ci.-S. NNE	Cu.	9	Ci.	N.
5	N	SE	W	W	W	NW	24.7	68.7	74.3	45.7	213.4	4	Ci.	Cu.	10	----------	Fr.-N. W
6	N	E	SW	WSW	W	N	25.4	55.2	103.5	58.9	243	6	Ci. NE	Cu.	9	Ci.	N. SSW
7	NE	E	WSW	WSW	WNW	W	56.9	48.8	103.5	69.8	279	6	Ci. NE	Cu.	9	Ci.-Cu.	Cu.-N. WSW
8	E	W	W	WNW	W	WNW	52.8	78.9	128.5	74.5	334.7	9	Ci.	Cu.	10	----------	Fr.-N.
9	W	W	W	W	W	N	32.4	88.5	109.2	85.5	315.6	8	Ci. SE	Cu.	10	----------	N.
10	SE	NE	SE	W	NW	E	42.1	54.9	101.2	58.7	256.9	8	Ci. ENE	Cu.	9	Ci.-S.	Fr.-N.SW
11	E	E	WSW	W	E	Calm	55	41.2	85.8	32.4	214.4	4	Ci.	Cu.	9	----------	Cu.-N. SW
12	E	SE	WSW	WSW	NE	SE	53.7	53.9	96	97.1	300.7	4	Ci.	Cu.	9	Ci.	Fr.-N.WSW
13	E	E	SE	W	Calm	W	38.1	60.9	66.8	37.3	203.1	10	----------	----------	9	Ci.	Fr.-N.WSW
14	W	WSW	SSE	W	WSW	SW	54.1	67.6	136.3	78.6	336.6	10	----------	Fr.-N.	10	----------	Fr.-N.
15	W	SE	ESE	W	W	W	81.6	56.8	162.8	74.3	375.5	10	A.-Cu. NW	S.-Cu. SSE	9	A.-Cu.	Cu.-N. SW
16	E	Calm	WSW	WSW	W	W	34.6	98.4	148.9	60.4	342.3	3	Ci.	Cu.	10	----------	----------
17	W	W	WSW	WNW	NW	W	74.6	95	116.9	74.6	361.1	8	Ci. NE	Fr.-Cu. WSW	10	----------	----------
18	W	W	W	W	WSW	W	36	109.1	119.4	83.2	347.7	10	Ci.-S.	Cu.	10	----------	----------
19	W	WSW	W	W	W	NW	72.2	155.8	195.7	126.1	549.8	10	----------	----------	10	----------	N. WSW
20	W	W	WSW	WSW	WNW	W	109.1	134.7	155.3	131.5	530.6	10	----------	----------	9	A.-Cu.	Fr.-N.WSW
21	W	W	WNW	W	NW	NNW	91.4	85.8	119.1	83.1	379.4	10	----------	Fr.-N. WSW	10	----------	Fr.-N.WSW
22	N	E	W	WSW	W	E	70	75.4	119.7	58.4	323.5	10	A.-Cu. E	Cu.	9	Ci.-S.	S.-cf. SE
23	E	SE	SSE	WSW	E	W	52.8	69	61.8	50.9	234.5	10	Ci.	Cu.	9	Ci.	Cu. SSW
24	E	SE	SE	W	NW	Calm	108.6	70.8	109.2	43.5	332.1	9	Ci.-S.	Cu.	10	Ci.-S.	Fr.-N.
25	E	E	SSE	W	W	NE	51.7	56.1	102.5	32	242.3	6	Ci.-S.	Cu.	9	----------	Fr.-N.WNW
26	SE	E	WSW	WSW	W	N	51.2	60.4	101.9	48.9	262.4	7	Ci.-S.	Cu.	10	----------	Fr.-N.
27	Calm	E	ESE	W	W	E	47.5	63	96.6	62.8	269.9	6	Ci.-S. NE	Cu.	7	Ci.	Cu.-N. W
28	SE	SE	ESE	NNE	W	S	94.6	75.8	64.9	39.6	274.9	4	Ci.	Cu.	9	Ci.	Cu.-N.
29	SE	ESE	W	W	W	Calm	86.3	68.1	82.4	25.2	262	8	Ci.-S. NE	S.-Cu.	10	----------	----------
30	ESE	SE	SW	W	W	E	63.3	60.4	69.5	77.2	270.4	9	A.-Cu. NE	Cu.	10	----------	----------
Mean	------	------	------	------	------	------	58.1	72.6	105	63.6	299.2	7.6	----------	----------	9.3	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	8,974.8	----	----------	----------	----	----------	----------

BAGUIO.

[$\phi = 16° 25'$ N; $\lambda = 120° 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

JULY, 1912.

Day.	Atmospheric pressure, 600 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	35.86	35.83	36.62	35.56	35.45	37.06	17.4	17	22.4	22.7	19.1	17.6	24.3	16.2	91	90	69	61	94	100	0.8
2	36.13	35.45	35.95	35.23	35.65	36.66	17.4	17.6	23.5	24.2	18.5	17.4	25.5	16.8	97	85	65	79	96	97	1.1
3	35.74	35.47	36.39	35.69	35.86	37.02	17.2	18.1	22.9	21.8	18.5	18.1	23.5	16.8	95	85	67	87	94	95	15.5
4	36.38	36.54	36.95	36.40	36.57	37.40	18.1	17.6	22.9	22.5	19.9	18.3	24.5	17.2	94	95	70	84	91	98	2
5	36.82	36.75	36.89	36.19	35.91	37.19	17.5	17.6	22.4	23	20.3	18.1	24.7	16.8	96	88	68	84	90	98	.8
6	36.47	35.99	36.47	35.83	35.61	36.68	17.4	17.8	23.9	21.9	18.3	17.9	24.5	16.5	97	84	66	86	97	96	5.8
7	35.85	35.86	36.14	35.19	35.22	36.30	17.6	17.4	20.2	22.3	18.1	17	24.7	16	96	92	86	91	97	95	10.9
8	35.12	35.10	35.63	35.04	35.29	36	17.3	16.7	22	22	18.9	17.5	25.8	16.3	88	90	69	88	91	94	
9	34.76	34.87	35.64	35.13	34.91	35.90	16.9	17	19.5	20.1	18.5	17.7	20.2	16.5	89	80	74	75	79	85	.6
10	34.93	35.16	36.08	35.39	36.05	36.99	17	17.4	22	20.8	17.9	17.3	24	16.6	90	86	66	91	93	92	6.7
11	35.97	36.06	36.83	35.58	36.19	37.10	17.3	17.8	21.6	19.7	17.5	17.5	24.3	16.3	86	78	80	93	90	91	14.5
12	36.17	35.98	36.51	35.87	35.91	37.08	17.3	17	22.2	20	17.5	17	24.5	15.6	89	86	68	92	96	93	5.4
13	36	35.82	36.82	35.89	35.67	36.95	16.9	17.4	22.9	22.8	19.2	17.5	24.9	16.1	93	87	69	82	91	99	1.6
14	36.03	35.82	36.72	35.86	36.18	37.12	17.4	17.7	22.3	21	18.1	17.1	25.8	16.6	94	88	64	94	94	96	5.1
15	36.21	36.21	36.94	35.73	35.95	36.99	18.2	17.5	21.5	23.1	18.8	17.1	25.2	16.5	83	89	68	83	96	99	6.1
16	35.98	36.22	36.67	36.06	35.95	36.22	16.5	16.5	20.9	17.4	16.4	17.2	22.3	16	97	93	81	96	90	93	24.3
17	35.54	35.61	36.36	35.68	35.46	36.33	18.2	17.4	21.8	18.6	17.1	17.2	23.4	16	65	80	80	91	95	88	23.9
18	35.45	35.28	35.10	34.52	34.13	34.59	17.1	16.9	21.2	20.5	17.4	18.1	23.2	16.4	90	89	75	91	95	86	8.4
19	33.70	33.60	33.64	32.73	32.48	33.61	16.8	17.4	21.8	21.2	20.2	18.7	24.5	16	92	85	79	89	90	98	
20	32.64	32.67	33.26	32.41	32.31	32.43	17.9	17.9	22.1	19.9	18.1	17.4	23.5	17.1	93	88	85	97	96	100	5.6
21	32.20	32.37	32.96	32.19	32.51	33.88	17.3	17.5	20.2	20.6	16.9	17.2	21.2	16.5	100	97	86	83	94	93	7.7
22	32.95	32.97	33.86	33.14	33.12	34.18	17	17.3	17.9	18.7	18	17.7	20	16.4	97	95	94	84	88	90	5.5
23	33	33.10	34.05	33.23	33.31	35.07	16.6	17.1	18.5	19.1	17.8	17.1	20	16	99	93	92	94	91	96	16.3
24	34.09	34.22	34.82	34.32	33.96	35.32	16.9	16.1	20	18.4	16.8	16.8	21.1	15.9	96	97	83	95	95	94	18.6
25	34.73	34.65	35.47	34.73	34.75	36.37	17	16	20.4	22.1	17.3	17.1	23	15.5	91	99	83	78	99	98	2.8
26	35.20	35.02	35.91	35.23	35.30	36.12	16.6	16.5	21.4	21.5	18.9	17	23.6	16	100	99	78	68	85	99	.3
27	34.53	34.69	35.35	34.66	34.44	35.07	17	17.5	20.5	20.1	18.7	16.9	20.7	16.2	94	89	72	73	83	91	.5
28	34.45	33.44	34.27	33.15	33.06	34.13	16.9	16.8	17.6	18.5	17.6	17.1	18.9	16	88	86	96	92	91	94	12.2
29	33.70	33.48	34.69	33.75	34.18	35.18	17	17.1	19.8	19	16.7	16.2	21.3	15.8	93	91	90	98	98	100	30.4
30	34.12	34.17	34.60	33.96	33.62	34.22	16.2	16.3	18.4	17.3	16.3	16.4	19.8	15.6	100	99	92	99	99	98	125.5
31	33.20	33.20	33.82	31.95	31.02	32.42	16.1	16.4	16	16.6	17.4	16.4	17.4	13	100	99	99	99	99	100	224.9
Mean	34.97	34.89	35.53	34.72	34.71	35.73	17.2	17.2	21.	20.6	18.1	17.3	22.9	16.2	92.7	89.7	77.9	87	92.8	95	
Total																					583.8

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	ESE	SE	SE	SSW	W	E	113	66.3	76.7	45.7	301.7	10	A.-Cu.	S.-Cu.	6	Ci.	Cu. SbyW
2	SE	E	E	W	N	SE	113.2	90.1	108.1	84.7	396.1	10	Ci.-S. NE	Cu.	9	Ci.	Cu.
3	E	SE	WSW	W	W	Calm	106.5	67	82.3	24.1	279.9	8	Ci.-S. NE	Cu.	10		
4	SE	ESE	E	SW	S	ESE	102.7	111.2	48.1	83.5	345.5	3	Ci.	Cu.	8	Ci.	Cu.-N. WSW
5	E	E	E	W	E	E	109.4	153.5	57.6	90.1	410.6	5	Ci.-S.	Cu.	9	Ci.-S.	Cu.-N. WSW
6	E	SE	WSW	W	NE	SE	100.9	98.8	111.8	87.1	398.6	3	Ci.	Cu.	10		
7	SE	E	W	WNW	S	E	75	52.6	92	57.1	276.7	2	Ci.	Cu.	10		N.
8	E	E	E	WSW	N	Calm	80.2	103.8	73.2	43.8	301	9	A.-Cu. SE	Cu.	9	Ci.-S.	Cu.-N.
9	E	SE	E	E	SE	SE	72.4	125.2	93.1	76.9	367.6	9	A.-Cu.	S.-Cu. S	10		Fr.-N.
10	E	E	ESE	Calm	SE	SE	119.4	60.9	76.2	133.3	389.8	10	A.-Cu. E	S.-Cu.	10		N.
11	E	ESE	SW	W	E	E	129.2	85.6	105.7	77.5	398	9	A.-Cu.	S.-Cu.	10		Fr.-N. W
12	E	E	SSE	W	ENE	NE	75.9	63.4	75.1	61.5	275.9	3	Ci.	Cu.	10		
13	E	E	W	W	NE	E	56.8	49.9	78.9	46.9	232.5	2	Ci.-S.	Cu.	10	Ci.-S.	Cu.-N. WSW
14	E	E	SE	W	NE	SE	59.2	83.2	80	74	296.4	9	Ci.-S.	Fr.-N.	10		N.
15	NE	SE	ESE	WSW	W	E	71.1	93.1	82.1	60.6	306.9	10	ci.-cu. ENE	S.-Cu.	9	A.-Cu.	Cu. E
16	E	E	W	W	NW	E	57.3	58.2	66.3	82.7	264.5	10	A.-S.	Cu.	10		N.
17	SE	E	W	NW	NNE	E	106.5	51.2	68.9	65.7	292.3	3	Ci.	Cu.	10	Ci.-S.	Fr.-N.
18	Calm	SE	Calm	W	NNW	SE	20.9	27.2	72.6	78.7	199.4	10	A.-S.	Fr.-N.	10	Ci.-S.	Fr.-N.
19	NE	SE	SW	SW	ESE	E	30.9	49.6	43.1	100.6	224.2	10	A.-Cu.	N.	10		Cu.-N.
20	E	E	SW	W	SE	SE	123.3	71.4	66.5	185.2	446.4	9	Ci.-S.	Cu.	10		
21	E	E	SSE	S	SW	SE	112.7	91.5	106.7	81.1	392	10		N.	10	A.-Cu.	Fr.-N. SW
22	SSE	SE	S	SW	S	S	72.1	77.2	101.7	92.3	343.3	10		N. SSW	10	A.-S.	N.
23	S	S	SE	WSW	W	SE	86.4	77.2	65.4	30.9	259.9	10		Fr.-N. SW	10		Fr.-N. SW
24	SE	SW	WSW	WSW	SW	SE	75.4	42.8	121.8	75.1	315.1	10	A.-S.	N. SW	10		N.
25	SW	SE	SSE	WNW	W	S	46.4	47.7	66.8	38.4	199.3	10			7	Ci.	cu.-n. swbys
26	SE	SE	SE	SSE	SE	SE	95.8	92.2	48.9	130.2	367.1	10		S. ESE	9	Ci.-S.	S.-cf. SE
27	E	E	E	E	E	E	186	151.9	78.3	85.8	502	10	Ci.-S.	Fr.-N.	10	Ci.-S.	N.
28	SE	W	WNW	NE	ESE	ESE	61.8	21.2	48	109.7	240.7	10	A.-S.	S.-Cu.	10		Fr.-N.
29	E	SE	WSW	W	Calm	SW	131.2	59.3	95.3	29.6	315.4	10	Ci.-S.	N.	10		
30	WSW	W	W	WSW	WSW	SW	113.3	113.8	211	197.9	636	10			10		
31	SW	W	W	SW	SW	W	262	389.4	367.2	405.5	1,424.1	10			10		
Mean							95.7	87.9	92.6	91.5	367.7	8.2			9.5		
Total											11,398.9						

BAGUIO.

[$\phi = 16°\ 25'$ N; $\lambda = 120°\ 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

AUGUST, 1912.

Day.	Atmospheric pressure, 600 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p.m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	31.22	30.79	31.45	30.80	30.64	32.15	16.7	17.3	16.8	16.6	17	16.9	17.8	16	100	99	99	99	99	100	212.5
2	32.06	32.02	33.84	33.83	33.90	35.20	16.7	16.4	16.9	17.7	16.5	16.1	18.3	15.6	100	99	99	96	99	100	35
3	34.54	34.63	35.89	35.42	35.05	36.13	16.4	16.9	18.9	16.9	17.3	16.4	21.3	16.1	97	93	87	99	95	99	6.1
4	34.75	35.07	35.57	34.84	34.83	35.81	16.2	16.4	19.4	21.5	17.5	16.3	22.8	15.5	98	94	85	90	94	97	36.3
5	35.29	34.82	35.64	34.89	34.84	36.53	16.5	15.6	21.4	21.9	17.4	16.7	24.8	15.2	94	99	79	90	99	98	27.4
6	35.52	35.65	36.59	35.69	36.23	36.85	16.4	16.4	19.4	21.9	17	16.4	22.7	15.8	94	87	90	86	99	97	25.1
7	36.13	36.41	37.34	36.16	36.07	36.79	16.1	16.3	20.4	19.5	16.6	16.3	22.1	15.5	97	95	85	96	99	99	11.7
8	35.77	35.80	36.45	35.15	35.15	36.03	16.7	16.4	19.4	20.5	17.5	16.9	22.3	15.4	92	94	87	89	98	93	1.3
9	34.97	35	35.65	34.76	35.29	35.87	17.1	15.9	20.3	18.6	17	16.2	22.3	15.5	87	94	88	97	94	98	23.3
10	34.95	35.03	35.95	34.57	35.01	35.85	15.8	16	18.8	19.5	16.5	16.2	20.8	15.3	100	97	93	93	96	95	38.7
11	35.04	34.82	35.51	34.16	34.25	35.13	15.1	15.4	18.8	18.4	17.5	16.4	21.5	14.9	100	99	93	93	96	100	6.3
12	33.86	33.75	34.27	32.79	33.06	33.79	16.8	16.2	20.6	18.7	16.8	16.2	20.6	15.5	94	96	83	98	95	98	20.3
13	33.02	32.69	33.36	32.56	32.51	33.63	16.2	16.2	21.5	18.4	16.8	16.2	21.9	15.6	97	96	85	96	98	98	20.1
14	33.35	33.28	34.61	33.65	34.17	35.95	16	16.6	19.1	19.1	17.3	16.9	22.3	15.5	96	89	87	94	97	94	45.7
15	34.80	35.04	35.75	35.10	35.41	36.41	16.3	16.7	21	21.4	18.4	17.5	24.1	15.5	95	87	83	86	90	97	13.3
16	35.72	35.82	36.66	35.32	35.17	35.97	16.8	16.5	20.5	20	18.5	17.3	23.2	16.1	100	97	89	94	94	99	4.9
17	35.18	35.09	35.78	34.84	34.79	35.51	17.1	16.9	20.6	17.9	17.5	16.6	22.8	16.3	98	93	88	98	99	99	5.6
18	34.58	34.66	35.33	34.71	34.61	35.32	17.1	16.6	20.8	18.5	17.5	17.4	23	16.1	93	97	93	97	90	87	12.7
19	34.78	34.64	35.35	34.24	34.18	35.47	16.5	15.9	20.5	22.1	18.3	17.5	23.8	15.5	93	94	84	81	94	98	12.3
20	34.70	34.94	35.65	34.28	35.07	36.18	17.3	17	21.6	21.3	18	17.3	24.4	16.3	94	93	86	89	96	97	69.6
21	34.84	34.74	35.78	34.52	34.96	35.61	16.3	17	21.8	20.9	17.7	16.8	23.4	16	100	88	74	90	97	100	44.1
22	35.21	35.11	36.03	34.94	34.66	35.97	16.6	16.5	20.7	20.8	18.5	18.1	22.5	15.8	100	98	91	89	97	97	23.6
23	34.93	34.29	35.04	33.96	33.95	35.15	17.2	17.2	21.4	20.5	17.9	17.3	23.3	16.5	100	98	86	88	99	100	2.8
24	34.45	34.55	35.59	34.32	34.50	35.72	16.7	16.5	20	19.7	17.6	16.8	23.3	15.6	100	98	92	95	97	100	15.4
25	34.79	34.80	35.33	33.66	33.65	34.56	16.5	16.9	19.9	20.5	17.5	17.1	21.4	16.1	100	99	99	93	98	98	21.9
26	33.03	32.84	33.53	31.70	31.65	32.92	16.4	16.5	19.5	20.5	18.4	16.8	22.6	15.6	100	97	88	90	97	100	3.5
27	31.55	31.07	31.83	30.71	30.52	31.70	16.5	16.3	20.9	21.9	18.1	17.1	22.3	16	99	97	90	86	98	100	20.8
28	31.04	30.22	31.40	31.05	31.08	32.12	17.4	17.2	18.7	18.5	17.4	17.8	20.3	16.6	98	98	93	98	99	95	29
29	31.36	31.56	32.30	31.74	31.97	33.07	17.4	16.9	17.9	18.4	16.9	16.5	18.5	16.5	96	99	99	99	99	100	87.4
30	32.27	32.62	33.14	33.05	32.68	33.54	17.3	17.3	17	17	17.2	17.2	17.8	15.6	96	98	97	99	97	96	307.5
31	32.15	31.92	32.56	31.46	31.36	32.15	17.2	16.6	17.2	16.9	16.1	16.5	17.6	15.4	95	99	99	99	99	95	113
Mean	34.06	33.99	34.81	33.83	33.91	34.94	16.6	16.5	19.7	19.5	17.4	16.8	21.8	15.8	96.9	95.5	89.4	93.1	96.7	97.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	1297.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	WSW	WSW	WSW	SW	SW	WSW	477.9	474.7	458	309.6	1,720.2	10			10		
2	WSW	SW	SW	SW	WSW	SW	363.6	304.9	160.1	165.7	994.3	10			10		N. SW
3	S	SSE	WSW	W	W	E	79.7	89	118.8	43	330.5	10	Ci.-S.	Fr.-N. SSW	10		
4	SE	W	W	W	NW	NE	42.8	45.3	63.3	52	203.4	10		Fr.-N.	9		Fr.-N.
5	SW	E	E	W	W	W	24.6	50.2	113.8	46.1	234.7	1	Ci.		10		
6	W	Calm	SW	W	W	Calm	53.1	47.5	118	40	258.6	9	A.-Cu.	Cu.	9	Ci.-S.	Cu.-N.
7	W	Calm	W	W	W	W	26.6	69.5	133.9	49.6	279.6	1	Ci.	Cu.	10		
8	W	NW	WSW	W	NW	NE	31.6	45.1	96.8	70.8	244.3	10	Ci.-S.	Cu.	10	Ci.-S.	Fr.-N.
9	Calm	Calm	WSW	W	Calm	NE	24.7	42.3	73.2	29.3	169.5	9	Ci.-S.	Cu.	10		
10	WNW	Calm	W	W	Calm	SW	20.6	36.8	78.7	46.2	182.3	9	A.-Cu.	S.-Cu.	10		Cu.-N.
11	Calm	NW	W	W	Calm	E	46.5	80.3	90.4	28.5	245.7	10			10		N.
12	Calm	N	WSW	WNN	NE	Calm	38.8	38.6	69.7	64.2	211.3	10	A.-Cu.	S.-Cu.	10		
13	NW	Calm	W	W	NW	NE	44	45.3	114.9	42	246.2	3	Ci.-Cu.	Fr.-Cu. NW	10		
14	N	NW	W	W	W	Calm	67.4	85.6	140.6	55.2	348.8	9	A.-Cu. N	S.-Cu.	10		N.
15	W	W	W	W	W	W	45.3	62.8	97.9	43.8	249.8	5	Ci.	Cu.	9	Ci.-Cu.	Fr.-N.
16	Calm	Calm	W	W	N	NW	17.2	46.4	81.1	48	192.7	7	Ci.	S.-Cu.	10		
17	N	N	WSW	W	W	W	32	63.8	82.7	46.5	225	9	Ci.-S.	S.-Cu.	10		
18	NNW	NE	W	W	W	SE	50.9	47.8	70	46.5	215.2	10			10		N.
19	W	Calm	W	NW	E	SE	46.7	71.4	89.8	60.9	268.8	4	Ci.-Cu. NE	Cu.	9	Ci.	Fr.-N.
20	SE	Calm	W	W	WNW	E	32.5	57.3	108.3	43.7	241.8	10	Ci.-S.	S.-Cu.	10		Fr.-N.
21	E	E	SSE	W	W	E	75	35.4	88	22.3	220.7	10	Ci.-S.	Cu.	10		
22	E	ESE	WSW	W	W	NW	47.3	56.6	98.4	27.4	229.7	10			10		Fr.-N.
23	SE	SE	E	W	W	S	22.7	27.1	97.2	32.7	179.7	10			10		Fr.-N.
24	SW	E	W	W	W	NE	47.8	48.9	78.4	55.2	230.3	10			10		
25	W	Calm	W	W	W	E	66.6	107.6	113	57.1	344.3	10			10	Ci.-S.	Fr.-N. NW
26	W	Calm	Calm	W	W	Calm	21.4	31.1	94.1	48.1	194.7	9	Ci.-S.	Fr.-N.	10		Fr.-N. WSW
27	NW	E	WSW	WSW	W	Calm	29	53.4	75.9	33.6	191.9	9	Ci.	Cu.	10		N.
28	W	W	WSW	WSW	WSW	WSW	78.9	148.3	229.5	178	634.7	10			10		
29	WSW	SW	SW	WSW	WSW	SW	219.8	321.2	349.2	268.4	1,158.6	10			10		
30	WSW	WSW	SW	W	WSW	WSW	267.7	350	234.1	276.5	1,128.3	10			10		
31	WSW	WSW	W	W	WNW	W	242.4	124.9	177.3	77.5	622.1	10			10		
Mean	------	------	------	------	------	------	86.6	100.3	128.9	77.7	393.5	8.5			9.9		
Total	------	------	------	------	------	------	------	------	------	------	12,197.7	----			----		

BAGUIO.

[$\phi = 16° 25'$ N; $\lambda = 120° 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

SEPTEMBER, 1912.

Day.	Atmospheric pressure, 600 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	31.30	31.35	32.26	30.91	30.97	31.95	16.4	16	17	17.4	16.5	16.3	17.7	15.4	94	98	98	99	99	99	58.9
2	31.46	31.59	32.33	31.32	31.26	32.13	16.3	16	19.1	18.4	17.4	16.7	21.8	16	98	100	96	96	99	100	20.4
3	31.60	31.87	32.66	31.81	31.66	33.01	16.6	16.5	21.7	19.7	17.5	16.8	22.2	16.1	98	98	80	90	97	100	2.1
4	32.27	32.47	33.55	32.71	33.01	34.37	16.7	16.5	17.4	19	16.8	16.7	20.7	16.4	98	98	92	82	97	97	4.4
5	33.33	33.64	34.96	34.38	35.26	36.45	16.8	16.8	19	20.9	17	17	21.4	16.2	95	95	90	81	95	90	9.4
6	35.98	35.86	36.79	35.80	36.17	37.45	15.9	16.9	23.4	20.1	18.9	17.6	25.3	15.6	98	89	64	97	96	100	5.3
7	36.31	36.09	36.70	35.35	35.06	36.05	17.3	17.3	21.8	20.5	19.2	18.2	22.5	16	96	89	86	95	96	97	------
8	34.98	35.02	35.86	35.11	34.88	35.67	17.4	16.5	20.2	17.5	16.5	16.4	21.2	15.8	90	90	87	97	99	98	22.9
9	34.56	34.70	36.15	34.93	35.26	36.27	16.7	16.8	19	19	17	16.7	19.7	16.3	93	90	93	95	99	97	10.4
10	35.38	35.15	36.10	34.57	34.53	35.58	16.3	15.7	19	18.1	17.4	17.1	21.9	15.4	94	99	94	99	99	98	3.5
11	34.74	34.68	35.54	33.97	34.06	35	16.8	16.7	19.8	20	17	17.2	23	16.3	99	97	90	91	98	96	25.6
12	34.68	34.51	35.14	34.44	34.11	35.14	16.6	15.9	19.5	21.9	17.1	16.3	23.2	15.6	98	99	90	82	99	100	43.4
13	34.07	34.19	35.07	33.43	33.47	34.87	16.6	16.3	20.9	19	17.1	16.6	23.6	15.4	98	98	85	95	98	98	35.1
14	33.10	32.73	33.04	31.74	31.51	32.12	16.5	16	19.8	20	17.4	17.1	21.8	15.6	97	99	91	93	94	95	14.3
15	30.79	30.05	30.83	29.63	29.40	29.93	16.6	17.1	18	18.3	18	17.6	19.3	16.5	100	96	77	93	99	99	91.5
16	29.32	29.66	30.46	29.96	30.42	31.30	17.7	17.3	17.2	17.3	16.8	16.7	18.4	16.1	97	99	99	99	99	99	67.1
17	31.58	32.15	33.38	32.87	33.07	34.14	16.6	16.5	17.1	17.8	17.3	16.6	18.5	15.6	99	98	98	98	98	99	18.2
18	33.27	33.50	34.41	33.21	33.24	34.45	16.7	16.8	19.4	18.9	17	16.9	21.8	16	95	89	86	99	98	97	15
19	33.25	33.15	34.11	32.56	32.88	34.20	16.8	16.1	19.1	19.7	17.2	16.8	20.5	15.5	94	97	92	93	97	95	17.5
20	33.21	32.98	34.27	32.85	33.47	34.81	16.4	16.4	20.5	18.8	16.8	16.5	21.8	16	95	90	86	94	99	99	.3
21	33.82	34.12	35.52	34.42	35.02	35.86	16.2	16.4	17.7	16.9	16.5	16	19.7	15.4	100	97	96	96	95	95	6.6
22	35.26	35.61	37	35.73	36.52	37.64	15.5	15.4	20.8	21	17.6	16.5	21.4	15.1	99	98	82	75	92	80	.5
23	37.11	36.89	38.10	36.29	37.49	37.83	16.1	16.7	21.5	21.3	16.5	16.7	24.1	15.2	74	64	64	82	93	90	17.3
24	36.76	36.75	37.47	36.17	36.50	37.05	16.6	16.9	19.5	22.9	17	16.9	23.3	15.6	92	89	78	65	98	94	19.1
25	36.44	35.99	37.10	35.54	35.73	36.93	17.5	16.9	20.5	19.5	17.2	16.5	24.5	16	83	84	75	91	94	88	.5
26	35.74	35.29	36.05	34.60	34.36	35.03	16.6	17.5	20.5	21.5	16.9	17.1	23	15.6	81	69	86	85	90	88	23.1
27	34	33.57	34.07	31.87	31.74	32.06	16.5	16.7	18.3	17.7	16.7	16.5	19.1	16	92	91	95	91	98	99	55.2
28	31.21	31.68	32.66	31.56	32.87	33.92	15.9	16.4	17.5	17.7	17.3	16.7	17.9	15.5	100	99	99	99	99	100	135.3
29	33.54	33.94	35.07	33.36	33.85	34.94	16.6	16.4	17.6	18.4	17.2	16	20.5	15.5	100	99	99	99	96	89	22.7
30	34.48	33.92	35.05	34.25	34.48	35.58	15.9	16.2	19.3	21.6	16.7	15.9	23.3	14.8	81	51	84	69	90	93	4.1
Mean	33.78	33.77	34.72	33.51	33.74	34.72	16.6	16.5	19.4	19.4	17.2	16.8	21.4	15.8	94.3	91.6	87.7	90.7	96.7	95.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	749.7

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	N	WSW	W	W	W	S	73	151.6	166.8	79.9	471.3	10			10		
2	W	W	W	W	S	SE	45.3	87.4	63.8	50.1	246.6	10			10		
3	SE	E	E	SE	ESE	ESE	67.1	98.8	95.5	120.5	381.9	9	A.-Cu.	Cu.-N. SE	10		Fr.-N. SSE
4	ESE	SE	SSE	SSE	SSE	ESE	85.5	99.5	95.6	76.9	357.5	9		Fr.-N.	9	A.-Cu.	Fr.-N. S
5	SE	SE	SE	SSE	SSE	SE	101.4	97.2	82.9	111.5	393	10		Fr.-N. S	8	Ci.	Fr.-N. SSW
6	E	E	E	SW	NE	WNW	93	83.7	75	35.4	287.1	1	Ci.	Cu.	10		
7	E	Calm	W	WNW	NE	SE	40.7	48.3	58.5	72.2	219.7	9	Ci.	S.-Cu.	10		
8	E	Calm	Calm	Calm	E	S	95.3	36	26.9	58.2	216.4	8	Ci.	Fr.-N.	10		N.
9	SE	SW	W	W	NW	W	57.7	47	110	63.9	278.6	10		Fr.-N.	10		
10	W	W	W	W	Calm	Calm	93.5	61.5	81.5	15.9	252.4	10			10		
11	E	E	WSW	WNW	W	SW	38.1	51.7	98.7	42.3	230.8	9	A.-Cu. WSW	S.-Cu. SW	10		N.
12	SE	Calm	W	W	WSW	W	47.3	63.9	118.9	115.6	345.7	10			10	Ci.-S.	Fr.-N. WbyN
13	Calm	W	W	W	W	W	43.5	71	156.4	42.3	313.2	10			10		
14	Calm	W	W	W	NW	NW	26.4	54.7	99.8	93.5	274.4	10	Ci.-S.	Cu.	10		
15	NNE	NE	NNW	NW	NNE	NW	92	110	108.9	170.9	481.8	10		Fr.-N.	10		N.
16	WNW	WSW	W	WNW	WNW	WNW	311.4	359.8	295.5	218.8	1,185.5	10			10		
17	WSW	W	WSW	W	SW	Calm	205.7	186	120.1	31.6	543.4	10			10		
18	Calm	Calm	W	W	WNW	NNE	25.2	42.3	108.4	50.4	226.3	10	Ci.-S.	S.-Cu.	10		
19	Calm	Calm	SW	W	WNW	SW	32.8	28.8	89	47.5	198.1	10	Ci.-S.	Fr.-N.	10		
20	W	N	WSW	W	W	W	37.5	72.6	130	62.2	302.3	9	Ci.-S.	Cu.	10		
21	NW	W	WSW	W	NW	NW	83.1	97.6	140.6	98.8	420.1	10			10		
22	W	W	W	W	WNW	N	82.6	95.5	86.1	82.6	346.8	6	Ci.	Cu.	9	A.-Cu.	Cu.
23	NW	NW	WSW	W	NE	E	78.4	56.6	86.9	62.3	284.2	3	A.-Cu. ENE	S.-Cu.	9	Ci.-S.	Cu.-N. NW
24	E	SE	E	E	NNE	SE	28.4	48.6	56.5	51.7	185.2	9	A.-Cu. NE	S.-Cu.	9	Ci.-S.	Cu.
25	Calm	SE	E	SW	ESE	SE	40.4	83.1	56.1	56.5	236.1	8	A.-Cu.	S.-Cu.	9	A.-Cu.	Cu.-N.
26	N	E	W	WSW	N	W	64.4	64.6	99	51.5	279.5	3	A.-Cu. ENE	Cu.	10		N.
27	W	NNE	W	NW	NW	WNW	56	61.5	100.1	146.6	364.2	10		N.	10		N.
28	NW	W	W	WNW	WNW	NW	264.9	403.7	373.5	166.7	1,208.8	10			10		
29	W	W	W	WSW	NW	NW	204.9	194.7	165.2	133.1	697.9	10			10		
30	NW	NW	W	WSW	W	W	127.6	122	114.6	62.6	426.8	5	Ci.-S.	Cu.	9	Ci.	S.-cf. WNW
Mean	------	------	------	------	------	------	88.1	102.7	115.4	82.4	388.5	8.6	------	------	9.7	------	------
Total	------	------	------	------	------	------	------	------	------	------	11,655.6	----	------	------	----	------	------

BAGUIO.

[$\phi = 16° 25'$ N; $\lambda = 120° 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

OCTOBER, 1912.

Day.	Atmospheric pressure, 600 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	35.23	35.18	35.88	34.89	35.49	36.70	15.9	16.2	18	16.7	16.3	16.5	16.5	20	15.2	96	99	97	99	95	92	52.8
2	36.41	36.42	37.60	36.36	36.47	36.85	16.4	15.4	18.3	19.9	17.6	16.5	21.2	15		94	99	85	81	87	95	3
3	36.23	36.31	37.32	35.53	35.94	36.64	16.2	16.1	16.9	17	17.2	17.4	18.2	15.4		95	94	94	98	99	94	58.4
4	35.69	36.09	36.88	35.36	35.70	36.67	16.6	15.6	21.4	20	18.3	17.2	23.8	15	4	97	98	83	92	96	97	2.3
5	35.64	35.87	37.26	35.59	35.96	36.72	16.3	15.8	20.7	22	18.6	17.4	23.5	15.3		97	97	84	81	96	100	.8
6	35.78	35.99	37.38	35.95	36.42	37.59	16.5	16.4	20.4	18.7	17.5	17.3	22.4	16		100	96	90	96	96	94	18.3
7	36.61	36.79	38.24	36.36	36.57	37.70	16	16	20	18.9	17.4	16.9	23.8	15.4		96	97	89	95	94	96	2.8
8	36.53	36.85	37.43	35.34	35.30	36.28	16.2	15.7	18.4	19.9	17.4	17.6	21.4	15.5		99	96	94	95	99	95	2.6
9	35.30	34.98	35.94	34.18	34.31	34.75	17.1	17.4	20	19.4	18.2	17.8	21.2	15.7		96	89	92	98	96	92	13
10	33.65	34.04	34.95	33.42	33.29	33.94	17	16.7	20.3	20.7	17.1	16.6	22.9	16.3		98	96	86	87	97	100	4
11	33.20	33.05	34.37	32.81	33.47	34.66	16.6	16.5	19.2	21	16.5	16.6	22	15.3		100	98	87	72	93	90	41.4
12	34.96	35.15	36.63	35.31	35.96	37.05	15.7	15.8	20.8	18.9	17.4	17	23.8	15.4		97	95	75	92	95	92	7.6
13	35.78	36.06	37.30	35.50	35.64	36.36	16.4	16.5	20.5	19.5	18	16.9	21.3	15.5		95	89	84	93	98	99	10.2
14	35.53	35.65	36.23	34.78	35.34	36.44	17.4	16.5	22.7	20.9	18.4	16.8	24.3	16.4		99	97	69	93	94	99	.5
15	35.29	35.04	35.61	34.38	34.50	35.50	16.7	17	23.9	20	18	17.5	25	16.3		95	82	58	91	92	87	-----
16	35.01	35.26	35.94	34.37	34.34	34.97	16.4	15.4	20.9	21.5	18	16.9	23.3	15.2		95	96	65	68	74	76	-----
17	34.10	33.77	34.31	33.12	33.44	34.73	15.9	16.7	19.4	16.5	16.5	16.6	19.5	15.3		79	73	67	90	91	92	10.9
18	34.33	34.98	37.16	36.34	36.83	38.44	16.6	16.7	19.4	20.5	18	17.4	24.4	16.2		96	97	87	91	98	100	10.4
19	37.40	37.57	38.63	37.06	37.19	37.84	17.5	17.2	21	20	18.7	16.4	21.8	15.5		96	97	80	94	98	95	4.1
20	37.20	37.24	37.84	36.19	36.35	37.52	15.8	15.7	23.5	22.1	17.8	16	24.3	15.5		89	85	53	80	86	88	-----
21	36.54	37.06	38.33	37.19	37.70	38.30	15.8	16.5	23	23.6	18	17	23.8	14.8		87	78	62	57	83	87	-----
22	37.01	37.20	38.03	36.29	36.42	37.38	16.5	16.9	24.4	21.5	17.9	16.8	25.1	15.5		89	84	60	86	89	95	47.5
23	36.50	36.76	37.59	35.90	36.26	37.34	16.1	16.6	20.6	17.8	17.3	16.6	21.5	15.5		96	88	87	98	95	93	27.5
24	36.33	36.40	37.44	35.81	35.95	36.85	15.9	15.8	19.9	20.9	17.9	17.1	21.8	15.5		93	84	85	79	98	96	3.3
25	35.75	36.14	36.74	35.43	35.71	36.48	16	15.8	21.2	22.7	18.6	17.5	23.7	14.7		96	91	82	80	92	93	-----
26	35.20	34.92	35.59	34	34.02	34.31	16.3	15.6	20.9	20.1	16.5	16.4	22.3	15.5		97	95	83	88	98	96	27.6
27	32.21	31.51	33.20	33.34	34.80	36.30	16.2	17.2	17.5	17.5	17.3	17.5	18.3	15.7		100	99	99	95	90	87	77.9
28	36.20	36.50	37.76	36.53	36.98	37.80	16.9	15.8	20	21.9	18.1	17	23.7	15.5		91	95	80	64	93	95	.5
29	36.25	36.46	37.37	36.10	36.85	37.40	16.2	15.8	20.4	22.1	18	16.9	24	15.2		98	96	81	81	98	96	-----
30	36.35	36.91	37.98	36.81	37.44	38.59	16.1	15	22.9	19.1	17.5	17.1	23.9	14.9		95	94	60	94	96	95	13.2
31	37.65	38.10	38.87	37.53	38.03	38.95	16.6	16.5	21.1	20.5	19	18.1	24.6	16.3		94	90	83	92	96	96	1.3
Mean	35.67	35.81	36.83	35.41	35.76	36.68	16.4	16.2	20.6	20.1	17.7	17	22.6	15.5	95	92.4	80	87.1	93.6	93.6	-----
Total	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	441.9

Day.	Wind.											Clouds.						
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.			
												Amount.	Form and direction.		Amount.	Form and direction.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.	
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*			
1	W	W	WSW	WSW	W	W	49.9	118.1	248	201.3	617.3	10			10			
2	WSW	W	WSW	W	Calm	ESE	149.9	123.6	70.8	94.4	438.7	10			10	A.-Cu.	Fr.-N. W	
3	ESE	SSE	SW	WSW	W	W	100.3	109.4	291.5	124.7	625.9	10		Fr.-N. S	10			
4	W	Calm	WSW	W	Calm	SE	64.6	41.2	73.4	61.5	240.7	2	Ci.-S.	Cu.	10			
5	E	NE	WSW	WNW	Calm	SE?	80.3	48.8	-----	-----	-----	0	Ci.	Cu.	10	Ci.	Fr.-N.WSW	
6	W?	NE	W	W	NE	ESE	-----	41.8	58.7	96	-----	5	Ci.	Cu.	10	-----	N.	
7	E	NE	SW	W	NE	Calm	64.4	43	97.6	29	234	7	Ci.-S.	S.-Cu.	10	-----	-----	
8	W	W	W	WSW	W	Calm	38.8	60.4	98.5	14.3	212	8	Ci.-S.	Cu.	10	-----	-----	
9	E	NW	W	W	NNW	NW	26.6	50.5	79.5	56.9	213.5	10	Ci.-S.	S.	10	-----	-----	
10	NW	NNE	NNE	NNW	NE	W	33.6	83.2	87.5	65.2	269.5	9	Ci.-S.	Cu.	10	-----	Fr.-N. N	
11	SE	SE	ESE	E	E	E	64.2	151.3	199.5	205.4	620.4	10	-----	-----	10	Ci.-S.	S.-Cu. ESE	
12	SE	E	E	Calm	W	Calm	125.8	100.4	47	27.9	301.1	10	A.-S.	S.-Cu.	10	-----	Fr.-N.	
13	E	Calm	W	W	Calm	SE	69.8	36.2	47.2	74.5	227.7	10	-----	S.-Cu. ESE	10	-----	Fr.-N.	
14	S	NE	S	W	Calm	E	33.3	34.9	64.7	51.8	184.7	9	A.-Cu.	Fr.-N.EbyN	10	-----	-----	
15	NNW	E	ESE	WSW	Calm	SW	20.3	85.1	60.2	24.9	190.5	9	Ci. SE	Cu.	10	-----	-----	
16	W	E	E	SE	E	E	17.1	94.1	134.1	161.2	406.5	5	Ci.	Cu.	10	A.-S.	S.-Cu. NEbyE	
17	E	E	E	E	E	E	149.7	231.7	233.3	286.4	901.1	9	A.-Cu. SW	S.-Cu. ESE	10	-----	N.	
18	E	E	ESE	NW	SE	SW	265.1	209.5	49.6	24.4	548.6	9	A.-Cu.	N. ESE	10	-----	Fr.-N.	
19	E	E	SSW	W	Calm	E	41	44.3	48.3	67.6	201.2	10	-----	-----	10	-----	-----	
20	N	SE	E	SW	E	E	41.3	67.8	58.9	95.3	263.3	1	Ci.	Cu.	9	Ci.	Cu.-N.	
21	E	NW	SSE	SE	E	SE	69.4	52.5	64.4	94.4	280.7	1	Ci.	S.-Cu.	9	-----	Cu.-N. SSE	
22	E	SE	ESE	W	SE	E	107.5	81.1	97.9	110	396.5	1	Ci.	Cu.	10	-----	S.-cf.	
23	N	SW	WSW	W	E	E	43.1	44.5	75.9	42.3	205.8	1	Ci.	Cu.	10	-----	-----	
24	E	E	WSW	Calm	W	Calm	68.4	70.2	48.3	18.8	205.7	0	Ci.	Cu.	9	Ci.	Fr.-N.	
25	N	Calm	W	WSW	Calm	W?	41	38	76.6	-----	-----	1	Ci.	S.-Cu.	8	Ci.-S.	Cu.-N.WSW	
26	NW?	W	WSW	WNW	W	W	-----	70.5	81	97.1	-----	3	Ci.	S.-Cu. NE	10	-----	Fr.-N.	
27	WNW	W	SW	SSW	SW	SSW	289.6	328	200.3	102.7	920.6	10	-----	-----	10	-----	N.	
28	SSE	SE	SSE	SSE	Calm	SE	126.6	114.3	52.6	82.1	375.6	10	-----	N. SEbyS	5	Ci.	Cu.	
29	E	ESE	WSW	WSW	W	SE	92.2	71.9	77	65.2	306.3	9	Ci.	S.-Cu.	8	-----	Cu.-N.WSW	
30	SE	E	ESE	SW	Calm	E	77	79.7	61.8	43	261.5	5	A.-Cu. SE	Cu.	10	-----	-----	
31	SE	E	W	W	Calm	E	93	75	61.8	41.6	271.4	2	A.-Cu. SE	S.-Cu.	10	-----	-----	
Mean	-----	-----	-----	-----	-----	-----	84.3	90.4	98.2	84.8	367.4	6.3	-----	-----	9.3	-----	-----	

BAGUIO.

[$\phi = 16° 25'$ N; $\lambda = 120° 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

NOVEMBER, 1912.

Day.	Atmospheric pressure, 600 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	37.75	37.88	38.80	36.89	37.54	38.15	16.1	16.3	24	21.4	18.4	18	25.5	15.7	100	94	61	87	88	81	28
2	36.75	37.46	38.40	36.45	36.91	37.65	16.8	16.3	23.3	22.8	18.8	16.9	24.7	15.1	84	79	57	78	92	93	------
3	36.60	36.86	37.79	36.09	36.79	37.65	16.3	16.1	22.6	20.9	18.8	17.5	24.3	15.9	90	88	65	88	94	98	------
4	37.10	37.20	37.81	36.28	37.39	38.25	16.6	16.2	21.9	21.2	18.1	17.2	24.3	15.9	95	90	78	87	97	100	4.9
5	37.15	37.71	38.28	36.86	37.37	37.65	16.2	16.1	21.2	21.2	17	15.4	22.9	14.9	100	97	84	84	94	95	------
6	36.90	36.86	37.89	35.95	35.59	36.40	15	15.8	20.5	20.1	18.3	17.6	21.4	14.4	90	80	55	54	63	68	------
7	36.20	36.40	37.49	35.97	36.50	38.20	17.1	16.9	19.4	18.9	17	16.4	20.5	15.9	69	74	67	65	78	85	1
8	37.65	38.41	39.05	37.47	37.57	38.30	16	15.8	19.3	19.9	16.9	15.8	22	15.7	88	91	82	76	89	95	2
9	37.55	37.55	38.16	36.45	36.76	37.40	15.5	15.9	18.9	20.3	17.3	16	23.2	15	97	93	89	86	94	94	2.1
10	36.75	36.94	37.84	36.32	36.51	37.45	15.4	15.4	21.9	22.6	17.4	15.5	24.1	14.4	91	83	61	60	77	85	------
11	37.10	37.33	38.50	37.06	37.62	38.35	15.3	14.5	23	23.4	18.3	15.8	24.3	14.2	86	86	61	52	81	88	------
12	37.60	38	38.81	37.05	37.49	37.90	15.5	16	23.7	21.9	18.1	16.4	25	14.7	82	77	58	79	93	93	------
13	37.05	37.08	37.52	36.13	36.69	37.10	15.6	15.6	21.8	20.9	17.9	16.2	23.5	15.2	89	82	71	83	94	96	.5
14	36.05	36.18	37.34	36	36.50	37.45	15.3	15.6	21.4	22.5	17.9	16.3	23.4	15.2	90	75	75	73	95	92	------
15	36.50	37.24	38.06	36.56	37.08	37.90	15.2	15.9	22.5	22.5	17.9	16.4	24	14.9	83	74	63	68	94	98	------
16	36.65	37.06	37.97	36.62	36.89	37.45	16	15.6	23.4	19.7	18	16.3	24.7	15.1	90	87	62	87	89	87	1.9
17	36.30	36.54	37.60	35.97	36.75	37.65	16	15.5	23.7	20.1	17	16.8	23.9	15.2	86	87	60	88	80	78	------
18	36.20	36.69	37.61	35.80	36.31	36.60	16	15.9	21.5	20.1	17.6	16.9	24.5	14.7	82	79	68	93	88	88	10.2
19	36.35	36.93	37.56	35.80	36.45	37.40	16.3	16.3	21.2	19.8	17.3	16.9	23.8	16	95	95	82	89	91	92	1.5
20	36.80	36.49	37.09	35.61	35.87	36.15	16	15	20.5	19.7	17.4	16.5	24.9	14.9	93	93	86	89	94	97	------
21	35.15	35.53	36.71	35.25	35.54	36.40	16.1	15.4	19.5	20.1	17.1	16.2	22.6	15.1	94	91	84	84	97	100	.5
22	35.70	36.13	36.66	35.30	35.84	36.75	15.4	15.6	20.1	21.4	16.4	15.4	22.8	14.3	100	98	84	74	90	92	------
23	36	36.09	36.80	35.11	35.30	36	14.4	14	20	20.8	16.4	14.8	22.2	13.5	93	90	75	76	87	91	------
24	34.90	35.22	36.29	34.82	35.21	35.70	15.7	15.7	21.4	21.9	16.5	14.7	23.5	14.1	78	78	64	74	91	96	------
25	34.55	34.32	34.67	33.17	33.07	33.45	14	14.3	20	22	19.1	18.1	24.2	13.3	94	83	65	58	77	79	------
26	33.20	33.67	35.59	34.67	35.50	37.15	17.7	17.4	20.1	21.1	18	17.1	23.2	16.4	84	86	75	62	80	75	------
27	36.65	37.16	37.87	36.38	36.49	37.20	16.2	16.2	24.5	24.3	18.8	17.3	26.4	15.9	73	67	42	72	84	83	------
28	36.15	36.32	37.24	35.59	35.36	36.11	16.9	16.9	22.1	23.3	18.4	18	25	16.1	71	64	58	53	70	68	------
29	34.70	34.50	35.44	33.84	34.11	35	17.1	17	17.7	16.1	15.9	17	18.3	14.9	71	68	72	93	83	73	1.3
30	33.85	34.72	35.84	34.85	35.94	36.80	16	15.9	16.5	17.3	16.2	15.5	18.5	15.2	86	94	93	92	97	99	7.6
Mean	36.26	36.55	37.42	35.88	36.30	37.05	15.9	15.8	21.3	20.9	17.6	16.5	23.4	15.1	87.5	84.1	69.9	76.8	87.4	88.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	61.5

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	Calm	E	W	WSW	E	51.3	45.6	80.8	85.8	263.5	2	A.-Cu.	Cu.-N.	10	------	Cu. SE
2	E	SE	ESE	SW	S	ESE	108.1	75.6	61.8	108.3	353.8	1	Ci.	Cu.	5	Ci.	Cu. SSE
3	E	SE	ESE	SW	Calm	SE	125.7	116.4	54.4	73.5	370	1	Ci. ENE	Cu.	9	------	N.-cf. SE
4	SE	E	SW	W	Calm	Calm	102	75.6	70.8	10.3	258.7	1	Ci.	Cu.	10	------	N.-cf.
5	NE	E	WNW	W	S	NE	30.4	46.7	68.9	59.7	205.7	3	Ci.	Cu.	9	Ci.-S.	N.-cf.
6	NE	E	ESE	E	E	ESE	47.7	170.8	277.8	337.9	834.2	9	Ci.-S.	Cu.	9	Ci.-S.	Cu.
7	ESE	E	ESE	E	E	ESE	240.1	282.1	323.7	195.5	1,041.4	9	Ci.-S. SE	N.-cf. E	10	Ci.-S.	Cu. SE
8	ESE	ESE	ESE	SE	SE	ESE	154.2	119.4	80.3	84.3	438.2	10	------	N.	9	A.-Cu. NW	N.-cf. SE
9	Calm	Calm	ESE	W	Calm	ESE	16.3	37.5	40.7	72.2	166.7	7	------	S.-Cu. SE	9	Ci.-S.	N.-cf. SE
10	ESE	Calm	ESE	SE	E	ESE	102.2	87.2	98.4	56.8	344.6	2	Ci.-Cu.	Cu.	6	------	Fr.-Cu. E
11	E	SE	SE	SE	SE	ESE	75.4	56.8	73.4	102.2	307.8	1	------	Cu.	3	------	Cu. ESE
12	ESE	ESE	SE	SW	Calm	ESE	126.9	56.5	51	107.8	342.2	1	------	Cu.	6	------	Cu. S
13	ESE	ESE	SW	W	Calm	ESE	63.4	65.7	87.5	52.6	269.2	0	Ci.-S.	------	9	------	Cu. WSW
14	ESE	SE	SW	W	Calm	SE	90.1	62	70.3	87.1	309.5	1	------	Cu.-N.	8	------	Cu. NE
15	E	W	ESE	SW	Calm	NE	83.7	60.4	43.1	29.6	216.8	2	------	S.-Cu.	7	Ci.-S.	Cu. ESE
16	Calm	ESE	ESE	SW	SE	SE	58.4	77.2	61.4	114.1	311.1	2	Ci.	Cu.	9	------	Cu. SE
17	ESE	ESE	ESE	W	E	ESE	138.1	109.9	75.9	107.5	431.4	2	------	S.-Cu.	10	------	------
18	E	E	SW	SW	Calm	Calm	132.6	87.7	49.1	16.3	285.7	1	------	S.-Cu.	10	------	Cu.-N.
19	SE	E	SW	W	Calm	Calm	38.4	51.5	80.2	11.6	181.7	7	A.-Cu. SSE	S.-Cu. E	10	------	------
20	Calm	Calm	W	Calm	NNE	SSW	21.4	40.8	37	16.7	115.9	2	Ci.	Cu.-N.	10	------	------
21	Calm	SE	W	W	Calm	E	19.8	53.9	70.8	17.7	162.2	2	Ci.	Cu.-N.	10	------	------
22	W	Calm	W	W	Calm	E	14.5	41.2	84.7	68.9	209.3	10	------	------	6	N.-cf.	WSW
23	E	Calm	W	W	E	ESE	78.7	71.1	57.4	128.1	335.3	2	Ci.	Cu.	8	------	N.-cf. ESE
24	SE	SE	SE	Calm	E	E	144.8	82.6	35.9	111	374.3	7	Ci.-S.	Cu.	7	Ci.-S.	Cu. E
25	E	E	ESE	E	E	ESE	128.2	135.7	161.9	290.4	716.2	8	ci.-s. sbyE	Cu.	8	Ci.-S.	Cu. E
26	ESE	E	E	SE	SE	SE	310.6	258.3	122.37	84.5	775.7	9	A.-Cu. SE	Cu. ENE	6	Ci. S	Cu.
27	E	E	ESE	SW	E	ESE	69.7	83.7	60.9	82.4	296.7	3	Ci. SE	S.-Cu.	7	Ci.-S.	Cu. E
28	NE	E	E	E	E	E	62.5	182.4	130.4	215.6	590.9	8	Ci.-S.	Cu.	10	A.-cu. sbyE	Cu. E
29	E	E	E	E	E	E	234.1	264.7	307.8	384.1	1,190.7	10	A.-Cu. SE	Cu. E	10	------	Fr.-N. E
30	E	E	ESE	E	E	E	319.6	216.2	180.5	159.8	876.1	10	------	Fr.-N. E	10	A.-Cu. SSE	Fr.-N. SE
Mean	------	------	------	------	------	------	106.3	103.8	100	109.1	419.2	4.4	------	------	8.3	------	------
Total	------	------	------	------	------	------	------	------	------	------	12,575.5	------	------	------	------	------	------

BAGUIO.

[$\phi = 16° 25'$ N; $\lambda = 120° 36'$ E; barometer above sea, 1,512.5 meters; gravity correction not applied, —1.65 mm.]

DECEMBER, 1912.

Day.	Atmospheric pressure, 600 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	36.15	37.13	37.84	36.84	37.58	38.90	15.3	15.4	20.5	22	17.5	16.2	23.1	14.9	96	88	75	57	88	95	------
2	38	38.18	39.34	37.34	37.43	38.05	15.6	15	19.8	21.3	17.8	16.2	24.5	14.5	97	98	76	81	93	92	------
3	36.70	37.12	37.74	36.01	36.43	36.90	15.5	16	19	21.9	17.1	16	22.6	15.3	84	70	86	76	93	93	------
4	36.20	36.16	36.58	34.72	35.05	35.35	15.3	14.9	20.6	22.9	17.6	16.4	23.6	14.4	91	89	73	72	96	100	------
5	34.55	34.98	36.11	34.75	35.06	36.25	16	15.9	21.4	20.4	17.2	16.6	22.8	15.3	93	89	73	81	92	94	------
6	35.50	36.34	37.42	36.57	36.71	38.15	15.6	14.9	20.5	21.7	16.5	14.7	23.2	13.2	95	94	71	63	95	75	------
7	37.40	37.42	38.26	36.84	37.07	37.70	13	12.5	20	21.1	15.1	13.4	22.3	12	76	61	38	56	76	77	------
8	37.25	37.54	38.53	37.14	37.08	37.95	11	11.5	17.9	18.2	14.6	13.7	20	10.8	85	73	54	63	86	87	------
9	37.40	37.77	38.75	37.66	37.61	38.25	13.7	13.2	20	22	15.2	13.6	22.8	12.1	74	76	58	53	80	90	------
10	37.75	37.93	39.03	37.80	38.04	38.95	13.2	13.8	19.8	20.5	15.2	13.5	23	12.7	88	84	59	56	77	86	------
11	38.05	38.19	39.18	37.91	38.32	39.10	13.2	14.1	22.4	18.1	16.5	16.4	24.8	12.9	86	77	54	78	81	72	------
12	38.35	38.30	39.49	38.28	38.65	39.15	15.9	14.8	22.5	23.1	17.3	15.4	24.5	14	71	64	46	60	74	83	------
13	38.35	38.37	39.19	37.93	38.29	39.15	14.7	14.6	23.2	23.1	17.5	16.5	25.7	13.7	55	58	43	63	50	52	------
14	38.60	39.26	40.21	38.38	38.61	39.30	14.5	16	23	23.6	17.4	16.2	25	13.6	58	40	46	59	93	85	------
15	38.40	38.48	39.29	37.69	38.02	38.35	15.7	16	23.2	18.3	17.5	15.7	23.9	15.1	82	71	57	92	91	95	------
16	37.85	38.01	39.10	37.34	37.70	37.95	14.6	14.1	22.5	22.4	16.9	15.1	24.5	14	94	82	50	70	80	77	------
17	37.05	37.29	38.43	36.86	37.48	37.95	14.6	14.4	20.8	20.3	17	15.5	24.6	13	63	55	56	80	88	91	1.6
18	37.10	37.33	38.40	36.46	36.61	37	15.2	15.3	23.7	22.2	17.4	16.4	25	14.6	89	84	60	73	89	82	------
19	35.70	35.87	37.06	35.67	36.43	37.20	15.5	15	21.9	22.5	18	15.8	24.6	12.6	68	42	41	55	62	72	------
20	36.30	36.40	37.69	36.04	36.62	37.15	15.9	14.9	22.1	23.3	17.5	16.2	24.3	14.5	62	56	56	63	84	86	------
21	36.20	36.59	37.73	36.19	36.37	37.40	14.9	14	20.9	22.3	16	14.8	22.9	13.3	93	91	67	61	58	55	------
22	36.60	36.87	38.07	36.39	36.75	37.80	14.2	12.9	21.9	21.3	16.2	14.3	23.5	12.7	72	81	46	69	93	97	------
23	37.60	37.75	38.97	37.44	38	38.70	13.2	12.2	20.2	20	15.5	13.9	22.9	12	100	99	41	71	85	85	------
24	37.95	37.64	38.89	37.31	37.54	38.15	13.5	13.7	21.7	22.7	16.4	14.7	24.9	12.7	76	70	49	65	78	85	------
25	37.70	37.83	39.09	37.80	38.23	38.65	14.3	14.2	18.4	21.9	15.9	16.1	23	13.9	84	84	61	51	78	76	------
26	37.90	38.22	39.23	38.11	37.60	38.50	16.5	16.6	19.1	19	17.4	15.7	21	13.8	75	76	67	70	72	85	5.2
27	37.50	37.25	38.58	37.25	37.86	38.20	14.5	15.1	20.7	20.4	16.4	15.5	23.3	13.6	87	80	45	53	74	82	------
28	37.35	38.05	39.31	38.15	38.45	39.15	14.8	15.1	20.4	19	16.5	16.2	22.5	14.4	89	87	67	87	96	93	------
29	37.95	37.94	39.46	38.21	38.89	39.40	15.7	15.4	22	23.5	18.3	16.3	24.9	14.9	90	88	60	54	75	87	------
30	38.45	38.57	39.96	38.39	38.71	39.35	15.5	15.8	21.7	23.5	17.7	16.2	24.8	14.6	91	87	61	58	86	90	------
31	38.60	38.97	40.02	38.23	38.53	38.90	15.4	15.2	22.9	21.3	17.9	16.5	24.6	14.7	88	80	54	78	85	88	------
Mean	37.30	37.54	38.61	37.15	37.47	38.16	14.7	14.6	21.1	21.4	16.8	15.5	23.6	13.7	82.3	76.6	57.7	66.7	82.2	84.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	6.8

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SE	SE	SE	S	SE	SE	141.6	140.8	83.7	130.2	496.3	8	A.-Cu.	SbyE	S.-Cu.	4	A.-Cu.	SbyE	Cu.	SEbyS
2	E	SW	SE	W	S	SE	82.4	30.4	64.7	64.7	242.2	1			Cu.	8			Cu.	SSE
3	E	E	W	SW	Calm	W	126.9	60.7	-----	25.1	------	3	Ci.		Cu.-N.	9			Cu.	E
4	W	Calm	W	W	WSW	Calm	40.4	46.5	84.8	42.6	214.3	3	Ci.-S.		Cu.	8	A.-Cu.	SE	Cu.	NE
5	W	Calm	SW	WSW	NE	Calm	48.3	67.3	81.8	45.9	243.3	3	Ci.-S.	SE	S.-Cu.	9			Cu.	
6	Calm	E	SW	WSW	Calm	Calm	31.2	60	85.1	35.6	211.9	2	Ci.		Cu.	6	Ci.		Cu.	NE
7	ENE	N	WSW	W	WSW	E	45.3	81.9	101.9	49.7	278.8	1	Ci.-S.		Cu.	3	Ci.		Cu.	
8	E	NW	SW	W	Calm	E	47.3	65.7	87.1	35.9	236	0	Ci.-S.		Cu.	7			Cu.	E
9	W	SE	E	SE	E	E	35.4	127.4	96.8	163.3	422.9	3			S.-Cu.	E	4		Cu.	E
10	E	SE	SE	E	E	E	140.3	129	119.4	164.7	553.4	4	A.-Cu.		S.-Cu.	1	Ci.		Cu.	
11	E	E	E	E	SE	SE	160.4	139.5	107.6	102.5	510	1			Cu.	10			Cu.-N.	
12	E	E	E	SW	SE	Calm	88.3	92.5	82.7	39.6	303.1	3	Ci.		Cu.	4	Ci.		Cu.	NE
13	E	E	E	SW	E	SE	118	141.9	55	152.7	467.6	3	Ci.-S.		Cu.	1	Ci.		Cu.	
14	E	SE	S	W	Calm	E	60	80.7	64.2	44.6	249.5	5	Ci.		Cu.	3			Cu.	E
15	E	Calm	Calm	SW	SE	SE	40.7	52.9	53.9	143	290.5	2	Ci.		Cu.	10				
16	E	E	S	WSW	SSE	E	108.9	54.2	78.4	107.8	349.3	2	Ci.		Cu.	6			Cu.	
17	SE	E	E	W	E	SE	155	159	64.6	157.2	535.8	0	Ci.		Cu.	9	A.-Cu.		Cu.	ESE
18	E	SE	E	WSW	E	Calm	128.9	67.1	84.8	26	306.8	2	Ci.-S.		S.-Cu.	6			Cu.	E
19	Calm	NE	SW	SW	ENE	NE	38.6	31.1	44.8	45.4	159.9	4	Ci.-S.		Cu.	8	Ci.-S.		Cu.	
20	Calm	E	W	WSW	NE	E	19.1	44.1	83.7	37.2	184.1	1	Ci.		Cu.	6			Cu.	NNE
21	N	NE	W	WSW	NW	NE	59.3	67.6	91.7	44	262.6	3	Ci.		Cu.	4			Cu.	WSW
22	E	SE	SW	SW	SE	E	72.2	57.3	79.2	98.7	307.4	1	Ci.		Cu.	6			Cu.	
23	E	E	E	SW	Calm	E	97.2	79.9	84.8	77	338.9	1	Ci.		Cu.	5	Ci.		Cu.	
24	E	E	SE	SW	SE	E	136.8	102.8	51.5	119.3	410.4	2	A.-Cu.		S.-Cu.	6	A.-Cu.	SE	Cu.	E
25	SE	SE	E	SE	ENE	E	129.7	140	128.7	226.4	624.8	10			S.-Cu.	7	A.-Cu.	SE	Cu.	
26	ENE	ENE	E	ENE	ENE	ENE	227.4	239.2	177.6	251.3	895.5	10	Ci.-S.		S.-Cu.	ESE	10	Ci.-S.		N.-cf. ESE
27	ENE	SE	ENE	E	ENE	E	250.7	196.6	140.8	192.5	780.6	8	A.-Cu.		S.-Cu.	9	A.-Cu.		Cu.	
28	E	E	WSW	W	NE	SE	182.6	72.2	77.5	69.4	401.7	2	A.-Cu.		S.-Cu.	10				
29	E	SE	SE	SE	ENE	ENE	156.1	134.1	104.8	104.4	499.4	1			Cu.	3			Cu.	ESE
30	ENE	SE	E	NE	SE	E	71.9	101.9	46.9	55.2	275.9	5	A.-Cu.	SE	S.-Cu.	ESE	3		Cu.	ESE
31	NW	E	E	W	SE	E	29.6	67.1	49.7	104.6	251	1			Cu.		10		N.-cf.	
Mean	------	------	------	------	------	------	99	94.6	85.3	95.4	376.8	3.1	------		------		6.3	------	------	

VIGAN.

[ϕ=17° 34′ N; λ=120° 23′ E; barometer above sea, 14.7 meters; gravity correction not applied, —1.61 mm.]

JANUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.26	60.56	61.60	59.99	60.77	61.16	23.5	22	29.5	29.7	26	23.5	30.6	21.1	94	96	64	78	92	100	
2	60.86	61.23	61.68	59.23	59.81	61.04	22.3	20.5	27.8	29.5	26.5	23.6	30.4	20	99	98	79	85	91	93	
3	61.06	61.51	62.40	59.67	60.85	61.75	22.7	23	26.7	31.4	26.8	26.5	33.1	21.8	95	95	83	57	86	79	
4	61.29	61.58	61.97	60.57	60.84	61.19	24.8	24.6	31.4	28.5	26.5	24.2	33.7	22	79	88	57	78	94	100	
5	60.99	60.89	61.99	60.12	60.43	60.68	23.8	22.5	29.8	29.1	26.7	24.4	30.6	21.7	100	100	75	84	93	96	
6	60.50	61.13	61.75	59.85	60.78	60.49	23.8	21.4	30	29.5	26	23.6	30.7	20.8	86	94	69	84	94	100	
7	60.55	61.01	61.09	59.15	60.15	60.50	21.7	24.2	28.5	30.2	24.7	24	31.7	21	96	76	68	64	93	96	
8	60.63	60.84	60.89	59.09	60.28	60.59	22.1	21.7	29.7	29	26.3	25.5	30.7	20.8	97	96	64	74	86	88	
9	60.04	60.49	61.19	59.99	61.66	61.54	24.1	23.2	29	27.5	22	22	30	20.9	90	95	78	88	96	88	
10	61.12	61.70	61.99	60.13	61.59	61.74	21.4	20.7	26	28.5	26	24.5	30.4	20	95	98	80	81	92	96	
11	61.55	62.35	63.27	60.89	61.90	62.05	23.8	22.7	29	29.5	26.2	25	30.5	22.1	92	98	78	80	97	86	
12	61.50	62.26	63.52	61.06	62.15	63.16	22.4	22	29.7	29.8	26	23.7	33.1	21.3	98	98	70	76	95	100	
13	62.15	62.03	63.44	60.89	61.29	62.92	22.2	22.9	30.1	29.7	25.5	23.8	31.8	21.6	98	92	77	78	95	99	
14	62.73	62.94	63.97	61.62	62.08	63.66	22.8	23.8	29	29.5	25.8	23.5	30.3	22	100	93	78	81	96	100	
15	62.15	62.01	63.49	61.15	61.84	63.12	21.7	21.5	28.8	29.2	26.5	24.4	31.2	20.6	100	100	70	86	96	100	
16	62.95	62.98	64.42	62.33	62.64	63.82	23.4	23	28.3	28	26.3	25	30	22.2	100	100	82	88	96	100	
17	62.81	62.76	64.49	62.42	62.29	63.04	22.3	21.7	28.2	29.6	26.8	24.6	30.2	20.9	100	100	80	82	91	100	
18	62.48	63.33	64.20	61.79	62.19	63.12	23.4	23.2	29.5	30	25.8	24	31.8	22.2	98	93	75	82	96	100	
19	62.84	63.46	64.77	62.51	62.72	63.39	22.3	20.7	29.5	30.5	26.2	23.5	31.8	20	96	91	59	61	90	96	
20	63	63.43	64.24	62.37	62.33	62.89	22.6	22.5	29	29.2	26.6	22.6	31.3	21.3	88	85	68	76	89	100	
21	62.63	63.15	63.97	61.87	62.61	63.14	22.1	22.5	29.7	28.7	25	22	30.5	21.2	95	93	65	81	93	100	
22	62.28	62.35	63.69	61.43	62.12	63.19	21.9	22.2	28	29.4	25.7	23.4	29.5	20.9	96	88	73	72	90	97	
23	62.08	61.97	63.64	61.59	62.08	62.76	21.4	20.5	28.5	29.2	25.5	22.4	30.2	20	96	98	68	73	98	98	
24	62.70	63.17	64.11	62.04	62.10	62.80	20.9	21	27.6	29.4	25.4	23.2	30.5	19.8	98	91	73	72	87	83	
25	62.56	62.92	64.11	61.78	62.22	62.90	21.4	20.7	28.2	30	25.4	22	31.8	19.9	99	91	70	65	84	96	
26	62.56	62.75	64.24	61.83	62.69	64.19	20.3	20.8	28.5	29.2	26	24.2	30.5	19.9	93	98	69	73	90	96	
27	63.89	64.59	65.80	63.29	63.40	64.59	22.9	21.3	28.5	28.5	25.2	23.5	30.7	20.7	84	94	74	74	90	85	
28	64.22	64.41	65.23	62.62	62.90	64.44	20.9	20.7	27.2	26	25	23.5	29.2	19.9	95	94	73	82	82	87	
29	63.81	63.96	65	61.62	62.19	63.79	23	21.5	26	27.5	24	22.2	28.6	21	88	98	80	78	87	88	
30	63.22	63.61	64.72	61.93	62.13	63.65	22.1	21.1	25	25.7	26	21.8	27.7	20.4	84	88	84	81	71	93	
31	63.15	63.26	64.06	61.17	61.63	62.84	20.8	20.5	25.8	28.3	24.5	22.3	29.5	19.6	94	95	81	75	92	97	
Mean	62.08	62.41	63.38	61.16	61.76	62.59	22.4	22	28.5	29	25.7	23.6	30.7	20.9	94.3	93.8	73	77.1	91	94.7	
Total																					0

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	NE	1	E	0	NE	1	NW	2	NbyW	1	NE	1	2	Ci.-S.	Cu.	2		Fr.-Cu.
2	E	0	ENE	1	NbyW	2	NNW	3	NW	1	NW	0	2	Ci.	Cu.	1	Ci.	Cu.
3	NNE	1	NE	1	NNE	1	ENE	3	Calm		NE	1	7	Ci.	S.-Cu. ESE	8	A.-Cu. SE	Cu. ESE
4	SE	1	W	1	NE	2	WSW	2	SW	1	Calm		8	Ci.	Cu. ESE	10	A.-Cu. SE	Cu. ESE
5	Calm		Calm		SW	1	SSW	2	WSW	0	Calm		0			5		Cu.
6	E	1	E	1	ENE	0	NW	2	NW	1	SE	0	1		Cu.	7	A.-Cu.	Cu. NE
7	Calm		NE	1	NW	1	NW	2	WSW	0	Calm		1	Ci.	S.-Cu.	1	Ci.-S.	Fr.-Cu.
8	Calm		Calm		NW	1	SW	1	NW	0	Calm		1	Ci.-S.	S.-Cu.	7	A.-Cu. SSE	Cu.
9	Calm		ESE	1	S	1	WNW	2	NNE	3	NNE	2	10	A.-Cu.	S.-Cu. SW	10	A.-Cu.	Cu.-N. SW
10	NE	1	NE	1	NNE	0	NNW	1	NW	0	Calm		10	A.-Cu. W	S.-Cu.	6	A.-Cu. W	Cu.
11	Calm		NE	0	NW	0	NNW	2	N	1	ESE	0	8	A.-Cu. W	S.-Cu.	1		Cu.
12	Calm		SE	0	ESE	1	WNW	2	NNE	1	Calm		1	Ci.	Cu.	2		Cu. NW
13	Calm		ESE	1	NE	1	NW	2	NNW	0	Calm		0			2		Cu. NW
14	Calm		ESE	1	SW	1	W	2	N	1	NNE	1	0			5		Cu. W
15	Calm		Calm		SSE	1	SSW	2	SSW	1	Calm		0			7		Cu. SSW
16	NW	1	ESE	1	S	1	W	2	NbyW	2	NNW	1	1		S.-Cu.	8		Cu.-N. SW
17	W	1	Calm		SW	0	W	1	Calm		Calm		2	Ci.		5		Cu. W
18	ENE	1	E	1	Calm		WNW	2	NNE	1	Calm		10		S.-Cu. WNW	2		Cu. NW
19	Calm		Calm		Calm		N	2	E	0	SE	1	0			1	Ci.	Cu.
20	Calm		ESE	1	ESE	1	WNW	2	WNW	1	Calm		2	Ci.	Cu.	8	Ci.	Cu. WNW
21	Calm		ESE	1	NW	1	W	2	N	1	NE	0	2		Cu.	2		Cu.
22	ESE	1	SE	1	SSE	1	W	1	W	0	Calm		2	A.-Cu.	Cu.	1	A.-Cu.	Cu.
23	Calm		E	1	S	0	WNW	2	NW	0	Calm		0			0		
24	Calm		ESE	1	NW	0	WNW	2	NW	1	NW	1	1		Cu.	2		Cu.
25	NE	1	ESE	1	NNE	1	WNW	2	N	1	NE	1	5	A.-Cu. SSW	Cu.	1		Cu.
26	NNE	0	ESE	1	NE	1	NNW	2	N	1	Calm		2	A.-Cu.	Cu.	2		Cu.
27	NE	1	E	1	NNE	1	NNE	3	NNE	1	NNE	1	5	A.-Cu. NNW	Cu.	2	A.-Cu. E	Cu.
28	NNE	2	NE	2	NNE	2	NNE	5	NNE	3	NNE	3	3	A.-Cu.	Cu.	10	A.-Cu. ENE	S.-Cu. NE
29	NNE	2	NNE	3	NNE	3	NNE	4	NNE	3	NNE	3	9	A.-Cu. E	S.-Cu. NE	4	A.-Cu. E	Cu. NE
30	NNE	2	NE	3	NNE	3	NNE	4	NE	1	NNE	1	9	A.-Cu. SSE	S.-Cu. SSW	8	A.-Cu. SSE	Cu.
31	N	1	NE	1	NNE	2	NNW	2	NNW	2	Calm		8	A.-Cu. SSW	S.-Cu. SW	4	A.-Cu. SSE	Cu.
Mean		0.6		0.9		1		2.2		0.9		0.5	3.6			4.3		

VIGAN.

[$\phi = 17°\ 34'$ N; $\lambda = 120°\ 23'$ E; barometer above sea, 14.7 meters; gravity correction not applied, —1.61 mm.]

FEBRUARY, 1912.

Day.	Atmospheric pressure, 700 mm. —						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	62.62	63.01	64.06	61.66	61.91	63.62	21.8	21.1	24.5	24.8	22.5	21.7	25.9	20.2	98	98	92	89	93	96	------
2	63.34	63.95	65.09	63.19	63.94	64.80	20.2	21	23.5	24.2	21.8	21.3	25.4	19.9	100	98	87	86	95	95	------
3	64.24	63.81	64.41	61.88	62.11	63.11	20	19.2	24.5	25.5	23.3	21.7	26	18	98	100	83	89	92	94	------
4	62.91	63.11	64.16	62	62.56	63.42	19.7	19	26.7	27.4	25	22.4	28.8	17.7	98	95	75	81	88	95	------
5	63.44	63.49	64.63	62.28	62.88	63.44	20.8	20.5	27.5	28	26	24.4	30	20	98	98	66	67	84	81	------
6	63.28	63.86	65.32	62.96	63.14	63.92	22.5	22.2	27.5	26.8	23	21.9	29.6	20.3	91	85	83	78	97	98	------
7	63.54	64.21	65.27	62.71	63.31	64.09	20.4	21.5	27.7	28.7	24.5	23	29.7	18.8	97	78	77	71	83	91	------
8	63.68	64.39	64.88	62.40	62.86	63.90	22.3	21.5	27.7	28.3	23.5	22.5	29.7	21.2	95	95	79	80	94	93	------
9	63.29	63.66	64.23	61.83	62.06	62.86	21.6	21.3	26.5	26	23.5	22.3	28	20.5	98	96	80	88	96	97	------
10	62.04	62.41	63.26	60.74	60.67	61.56	21.6	21.5	28.5	29.8	25.2	22.4	30.2	20.8	99	99	79	78	97	99	------
11	61.18	61.66	63.06	61.09	61.68	62.34	21.7	21.6	28.8	29	25.5	23	30.3	20.7	98	98	72	85	96	97	------
12	61.18	61	61.77	59.49	59.71	60.69	22.2	22	29.5	29.5	27	24.7	31.3	20	98	94	63	71	84	92	------
13	60.07	60.09	60.83	58.64	59.10	60.33	23.4	22.5	29.7	29.6	26	23.5	30.6	22	94	91	62	70	85	96	------
14	59.63	60.45	60.82	58.74	59.12	60.39	23.1	21.6	30.5	27.8	25	22.5	31	20.9	86	93	59	71	80	89	------
15	59.53	59.71	60.74	58.68	59.36	60.65	20.7	21	28.7	31.3	26.4	23.4	32.1	20	96	91	63	58	77	87	------
16	60.11	60.22	61.02	58.87	59.77	60.64	23.1	22	30.8	30.6	26	23.2	33	20.7	88	91	57	71	84	93	------
17	59.87	60.17	61.47	59.07	59.15	60.05	22.2	20.4	29.7	31.6	26.3	24.5	32.3	19.9	93	91	77	54	93	98	------
18	59.87	60.46	61.63	59.45	59.60	60.97	23	21.5	29.7	31	27	24.5	33.8	20.9	98	100	67	62	88	96	------
19	60.87	61.65	63.04	60.47	60.38	61.92	26.2	22.8	30.2	30.7	29.4	27.5	32.8	22	66	86	54	57	52	57	------
20	61.65	61.55	62.08	59.42	60.22	62.08	26.1	26	29.8	34.8	27.9	26.7	35.3	24.1	63	60	50	40	68	56	------
21	62.09	61.65	62.79	60.70	60.27	61.70	25.6	22.5	29	27.7	26.8	24.9	31	22	61	78	62	70	74	86	------
22	61.57	61.70	63.04	61.55	61.82	63.23	23	23	28.6	27.5	24.6	23	30.8	22	89	85	66	76	91	80	------
23	61.73	60.90	62.44	60.01	59.89	60.44	20.8	22.3	29	28.6	26	25.3	31.4	19.4	95	83	71	70	89	98	------
24	59.70	60.05	60.67	58.75	59.03	60.25	24.5	24.6	28.1	29	26.8	24.5	30.1	23.1	98	88	78	74	88	95	------
25	59.74	60.62	61.74	59.52	59.74	60.35	23.6	22.6	28.2	29.8	26.5	24.5	30.7	21.8	96	95	74	76	84	99	------
26	59.60	59.94	61.48	59.24	60.14	60.54	23.5	23	28.2	30.5	26.2	23.7	31	22	100	91	76	72	82	94	------
27	59.65	59.19	60.95	59.06	59.42	59.84	22	22.7	27.8	29.5	27.5	24.2	30.3	21.5	96	89	79	69	77	90	------
28	60.14	60.17	61.15	58.47	59.54	59.91	22.9	22.7	30.3	31.3	27	24.2	33.1	22.2	87	85	57	55	77	82	------
29	59.10	59.19	60.74	59.09	59.09	59.93	23.4	23.5	29.7	29.3	26.8	24.2	31.1	21.4	87	82	63	72	86	97	------
Mean	61.37	61.60	62.65	60.41	60.77	61.76	22.5	22	28.3	28.9	25.6	23.6	30.5	20.8	91.8	90.1	70.7	71.7	85.3	90.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	0

Day.	Wind.										Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	NNE	1	N	1	N	3	NNE	6	NNE	5	NNE	2	3	A.-Cu.	S.-Cu.	7	A.-Cu. SE	Cu.
2	NNE	2	NNE	3	NNE	4	NNE	5	NNE	4	NNE	3	8	A.-Cu.	S.-Cu.	10	----------	Cu. NNE
3	N	2	NE	1	NNE	2	NNW	3	NNW	1	SE	1	8	A.-Cu.	S.-Cu.	1	----------	Cu.
4	NE	1	NE	0	NNW	1	NNW	2	SW	1	NE	0	2	A.-Cu. SE	S.-Cu.	6	A.-Cu. ESE	Cu.
5	Calm	----	NNW	1	NW	1	NW	1	NNW	0	Calm	----	2	Ci.	S.-Cu.	7	A.-Cu. S	Cu.
6	Calm	----	Calm	----	NNW	1	NNW	2	N	2	NNE	1	8	A.-Cu. S	S.-Cu. SW	1	Ci.	Cu.
7	Calm	----	ESE	1	NW	1	NW	2	NNW	1	Calm	----	2	A.-Cu.	S.-Cu.	1	----------	Cu.
8	Calm	----	ESE	1	SSW	1	NNW	2	N	3	NNW	2	5	Ci.	Cu. NW	3	Ci. SW	Cu. NW
9	NNE	1	NNE	1	NNE	1	NW	3	N	2	NNE	0	8	Ci. SW	S.-Cu. ESE	4	Ci.	Cu. N
10	NE	0	ESE	1	SSE	1	S	1	NbyW	1	Calm	----	6	----------	S.-Cu. ESE	4	Ci. SW	Cu. ESE
11	E	1	ESE	1	WNW	1	W	1	NbyE	1	Calm	----	1	----------	S.-Cu.	4	----------	Cu. NW
12	Calm	----	SE	1	WSW	0	W	1	SW	1	Calm	----	0	----------	S.-Cu.	4	----------	Cu. NW
13	S	0	SE	1	SSE	1	W	2	N	1	NE	1	0	----------	S.-Cu.	2	Ci.-S.	Cu.
14	NNE	1	NE	1	NNW	1	NNW	3	N	2	NE	1	0	----------	----------	1	----------	Cu.
15	Calm	----	E	1	Calm	----	WNW	2	NbyW	1	Calm	----	1	----------	S.-Cu.	1	Ci.	Cu.
16	NNW	0	E	1	NW	1	WNW	1	NW	1	Calm	----	0	----------	----------	1	----------	Cu.
17	Calm	----	E	1	NW	1	NNW	2	N	1	NNE	0	3	A.-Cu. SW	S.-Cu.	0	----------	----------
18	Calm	----	Calm	----	NNW	1	NNW	2	NNW	1	Calm	----	8	A.-Cu. SSW	S.-Cu.	3	A.-Cu. SSW	Cu.
19	N	2	NNE	0	NE	1	NNW	3	NE	2	NE	2	1	Ci.-S.	S.-Cu.	0	----------	----------
20	NE	2	NE	3	ENE	4	SE	2	S	2	NE	1	0	----------	----------	0	----------	----------
21	NNW	1	Calm	----	NW	1	NW	1	NNW	1	Calm	----	7	A.-Cu.	S.-Cu.	8	A.-Cu. S	Cu.
22	Calm	----	Calm	----	NW	1	NNW	3	NNW	3	N	3	9	Ci.-Cu.	S.-Cu. SSW	9	A.-Cu SE	Cu. NNW
23	NNE	1	E	1	NNW	4	NNW	2	NbyW	1	E	1	3	A.-Cu.	Cu.	7	A.-Cu. SW	Cu.
24	SSE	1	SSE	1	SSW	2	SSW	1	NW	1	Calm	----	1	A.-Cu.	S.-Cu.	7	A.-Cu. SW	Cu.
25	Calm	----	NE	0	NW	1	WNW	2	NNW	1	Calm	----	5	A.-Cu.	S.-Cu. NNE	1	Ci.-S.	Cu.
26	ESE	0	SE	1	SW	1	NW	1	NbyW	1	NNW	1	3	Ci.	S.-Cu.	4	Ci. WNW	Cu.
27	Calm	----	SE	1	WSW	1	SW	2	WSW	0	Calm	----	0	Ci.	----------	1	A.-Cu.	Cu.
28	Calm	----	Calm	----	NW	0	NW	1	NNE	1	NE	1	10	A.-Cu. ESE	S.-Cu. SW	1	----------	Cu.
29	NW	0	SE	1	SSW	2	WNW	2	NNW	1	Calm	----	0	----------	----------	7	----------	Cu. WNW
Mean	------	0.6	------	0.9	------	1.4	------	2.1	------	1.5	------	0.7	3.6	----------	----------	3.6	----------	----------

VIGAN.

[$\phi = 17°\ 34'$ N; $\lambda = 120°\ 23'$ E; barometer above sea, 14.7 meters; gravity correction not applied, −1.61 mm.]

MARCH, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.40	60.07	61.49	59.24	59.94	60.99	23.9	23.3	29.5	29	26.7	24.7	30.4	21.8	95	86	63	72	83	94	
2	60.47	61.04	62.49	60.49	60.84	61.58	23.1	22.2	29.2	30.2	27.5	24.5	31.2	20.8	94	89	75	66	81	96	
3	61.04	61.40	63.22	61.57	60.99	61.20	22.9	23	29.3	30	27.5	24.5	31.2	22.2	100	83	68	66	77	92	
4	60.60	61.59	62.78	60.57	60.14	60.69	23.1	22.6	30.2	29.7	27	25.3	31	22.3	91	90	70	71	88	95	
5	59.93	60.37	61.08	60.01	59.92	60.57	23.4	22.7	30.1	29.7	27	24.3	31.2	22.4	85	98	69	77	80	93	
6	60.40	60.97	61.89	59.79	59.90	61.02	23.2	22.7	30.3	31.2	26.5	24.4	32.8	22.2	99	94	63	69	84	97	
7	60.59	61.39	62.49	59.99	60.27	61.07	22.9	23.7	29.8	29.9	26.2	25.2	32.3	22.7	99	97	76	75	93	97	
8	60.80	61.25	62.32	60.39	60.74	61.74	24.7	25	32.5	30.7	27.2	25.7	33.6	24.3	98	89	55	76	95	97	
9	61.47	62.05	63.27	61.17	60.69	61.08	23.8	23.5	30.5	31.8	28.6	25.2	32.2	22.7	98	98	67	70	85	99	
10	60.73	61.52	62.24	59.94	59.52	60.65	24.7	25	29.8	30.6	28.5	25.1	31.3	24.3	100	100	76	71	85	97	
11	59.90	60.02	61.22	58.69	58.10	58.71	24.2	23.4	29.1	30	27.5	26	31.3	23	98	100	81	76	84	90	
12	58.20	58.20	59.84	57.63	57.54	58.63	24.2	23.5	29.7	30.7	27.3	24.7	31.4	22.9	97	96	77	70	84	88	
13	58.29	59.05	60.51	57.86	58.07	59.69	23.9	22.7	29.6	32.7	27	24.7	33.5	22.2	88	89	64	52	78	83	
14	58.90	59.61	61.32	58.73	58.52	59.81	22.4	22.5	30.5	31.7	28.3	25.2	33.3	21.7	98	82	58	59	67	70	
15	59.20	60	61.72	59.84	59.77	60.74	22.6	24.2	31.5	32	27.5	25	32.5	22.5	87	82	63	60	76	92	
16	60.14	60.55	61.84	59.62	59.54	60.98	22.8	22.5	30.7	29.5	27.5	24.4	32.6	21.5	97	91	59	71	80	90	
17	60.49	61.30	62.84	59.97	59.59	61.57	23	23.7	28.8	28.5	25.5	24	30.6	22.5	95	92	71	73	88	91	
18	61.08	61.60	62.89	60.42	60.35	62.03	22.1	22	28.7	28.7	26.6	26.2	30.5	21.4	96	91	67	77	77	64	
19	61.28	61.74	63.15	60.82	60.94	61.89	25.9	26	29.8	30.7	27.5	25.5	32	24.3	63	62	62	61	63	71	
20	61.14	61.39	62.37	60.37	60.60	62.13	24.9	24.2	30.7	30.8	27.7	24.3	32	23.2	75	76	60	70	84	97	
21	61.87	62.30	63.82	61.54	61.33	62.67	22.9	22.7	30.7	30.8	27.5	25.7	32.5	22.3	97	96	64	66	77	84	
22	62.25	62.72	63.65	61.19	61.21	62.29	23.4	25	30.4	31.4	27.7	25.6	32.4	22.9	96	85	66	62	79	77	
23	61.57	62.03	62.12	60.09	60.14	61.32	25.6	25.1	32.5	32	27.6	25	35.5	24.1	69	64	40	57	84	95	
24	61.28	62.14	62.53	61.04	61.29	62.54	24	23.4	30.6	31	27	25.5	33.1	22.8	91	80	70	65	84	98	
25	61.84	62.15	62.77	60.88	61.28	61.87	23.9	23	29.2	30.7	27.5	27	32	22.2	94	83	70	72	79	83	
26	61.15	61.59	62.07	59.89	60.54	62.54	26.1	25	29.5	30.5	29	26.5	31.9	24.5	82	83	72	68	68	82	
27	61.32	61.67	63.07	60.87	61.10	61.93	24.3	23.3	28.6	30.2	27.8	25.5	32.2	22.8	88	84	70	66	61	68	
28	61.12	61.19	62.57	60.29	60.24	61.33	24.3	24.5	30	31.1	28.1	25.5	32.3	22.5	72	68	59	57	68	84	
29	61.04	61.55	62.41	61.09	60.94	61.97	23	23	32.5	31.7	28	25.5	33.6	22.4	91	76	44	56	75	88	
30	61.27	61.52	62.59	60.91	60.94	61.97	24.7	24.6	32	31.5	28.1	27	33.1	24.2	86	75	49	64	74	74	
31	61.07	61.27	62.42	60.59	60.21	61.57	24	23.7	32	30.7	28.5	26.2	33.2	23.2	78	77	39	58	71	71	
Mean	60.64	61.14	62.29	60.18	60.17	61.25	23.8	23.6	30.3	30.6	27.5	25.3	32.2	22.7	90.2	85.7	64.1	66.5	79.1	87	
Total																					0

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	Calm	0	ESE	1	SSE	2	WSW	2	NNW	1	NE	1	0			0	Ci.	
2	Calm	0	EbyS.	1	NW	1	SW	2	NNW	1	N	1	0			1		Cu.
3	Calm	0	ESE	1	SE	2	WSW	2	NNW	1	NNE	1	0			1		Cu.
4	NE	0	Calm	0	SSE	1	W	2	NbyW	2	Calm	0	6	A.-Cu. E	S.-Cu.	2	Ci.	Cu.
5	Calm	0	E	0	SSW	1	WNW	2	NNW	0	NE	1	1		Fr.-Cu. E	2	Ci.	Cu.
6	Calm	0	ESE	1	SE	0	NNW	3	N	0	NNE	0	0			1		Cu.
7	Calm	0	Calm	0	NNW	1	NbyE	3	NNE	2	Calm	0	8	A.-Cu.ESE	S.-Cu.	0		Fr.-Cu.
8	SE	1	SSE	1	EbyS	1	WNW	2	NW	1	Calm	0	2	A.-Cu.ESE	S.	1		Cu.
9	Calm	0	Calm	0	SSE	1	NW	2	NW	1	Calm	0	2		S.-Cu.	4		Cu. WNW
10	SW	0	SSE	1	SSW	2	WSW	2	W	0	Calm	0	8		S.-Cu. S	1		Cu.
11	Calm	0	ENE	0	NW	1	NW	2	NW	0	Calm	0	1		Cu.	5		Cu. WSW
12	E	0	ESE	0	WNW	1	WNW	2	SSW	1	Calm	0	8		Cu. S	3	Ci.	Cu. S
13	Calm	0	ESE	0	WNW	1	WNW	2	N	1	NNE	0	5		Cu. SSW	6	Ci. NNW	Cu.
14	NE	0	EbyS	0	ESE	0	WNW	2	NNE	1	NNE	1	8	A.-Cu. SW	Cu. SSW	2	Ci.	Cu.
15	EbyS	0	EbyS	0	WSW	1	WNW	2	N	1	Calm	0	8	Ci.	Cu. W	1	Ci.	Cu.
16	NNE	0	NE	1	NNW	2	NW	4	N	2	Calm	0	2	Ci.	Cu.	2	Ci.	Cu.
17	NE	1	NE	2	NNE	4	NNE	5	NNE	4	NNE	1	4	Ci.-S. SW	Cu.	1		Cu.
18	NNE	1	NNE	2	NNW	2	NbyE	3	NNW	1	NNE	2	3	Ci. SSW	S.	8	A.-Cu.sbyw	Cu.
19	NNE	2	NE	2	NW	2	NW	2	NW	1	NW	1	5	A.-Cu. ssw	S.-Cu.	1	Ci.-S.	Cu.
20	N	1	SE	1	SSE	1	NW	2	NNW	2	NNE	1	5	Ci.	S.-Cu.	2		Cu.
21	N	0	EbyS	0	NNW	1	NNW	2	NNE	2	NE	1	2	A.-Cu.	S.-Cu.	1		Cu.
22	Calm	0	SSE	1	WNW	2	WNW	2	NNW	1	Calm	0	2	A.-Cu.	S.-Cu.	2		Cu.
23	NW	1	SE	2	E	1	WNW	2	NNW	2	NNE	1	2		S.-Cu.	0		
24	EbyN	0	EbyN	0	NNW	2	NNW	3	NNW	1	NE	1	1	A.-Cu.WNW	S.-Cu.	1	Ci.-S.	Cu.
25	Calm	0	SE	0	SSW	2	NNW	2	Calm	0	NW	1	1	A.-Cu. WSW	S.-Cu.	1		Cu. NNW
26	NW	1	SE	1	S	2	SSW	2	NW	1	Calm	0	1	A.-Cu.	S.-Cu.	0		Fr.-Cu.
27	Calm	0	ENE	0	NW	0	NW	2	NNW	1	NE	1	1	Ci.-S.	Cu.	7		Cu. WNW
28	Calm	0	ENE	1	SSE	1	WNW	2	NNE	2	NNW	1	0			1	Ci.-S.	Cu.
29	Calm	0	EbyS	1	NNE	0	W	2	NNE	2	NNE	1	2	Ci.-S.	Cu.	0		
30	SE	1	SE	1	WNW	2	WNW	2	NNW	1	SE	1	1	Ci.-S.	Cu.	7		Fr.-Cu. WNW
31	ESE	0	ESE	1	NE	1	NNW	2	Calm	0	ESE	1	1		Cu.	2		Cu.
Mean		0.3		0.7		1.3		2.3		1.2		0.6	2.9			2.1		

VIGAN.

[ϕ=17° 34′ N; λ=120° 23′ E; barometer above sea, 14.7 meters; gravity correction not applied, —1.61 mm.]

APRIL, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.71	60.84	61.98	59.72	60.23	61.17	25	25.5	31.2	30.9	27.6	24.9	33.3	24.2	66	54	41	57	67	81	------
2	60.97	61.44	61.93	60.09	60.21	61.80	24.9	23.5	29.5	30.7	28.7	26.2	32.6	22.7	77	80	60	58	71	84	------
3	61.12	61.32	62.32	60.38	60.07	60.58	25.5	24	29.5	31.6	27.2	26.5	33.2	23.3	84	87	64	51	76	84	------
4	59.92	60.34	61.21	58.97	59.07	60.12	26.4	25.4	29	31	28.5	26	32.2	24.3	72	69	65	55	67	84	------
5	59.90	59.88	61.13	59.41	59.70	60.77	24.9	24.2	31	31.6	27.6	26.7	32.8	23.5	85	75	50	57	69	83	------
6	60.22	60.38	62.16	58.91	59.03	60.47	24.3	24.3	31	30.7	28	26.2	31	23.4	94	85	56	59	70	89	------
7	59.80	60.22	61.29	59.59	59.59	61.18	26.3	26.5	31.6	31.5	29	27	32.8	24.7	79	66	54	60	69	84	------
8	60.22	60.57	61.34	59.64	59.92	61.17	26.2	25.5	31.1	31.1	27.7	26.8	33.2	24.9	84	89	55	63	81	82	------
9	60.34	60.72	61.67	60.12	60.91	62.37	25.1	25.3	31.2	31.2	28.4	27	32.5	24.7	88	85	60	56	71	77	------
10	61.77	61.97	62.45	60.57	60.88	61.99	26.3	25.7	32.2	32.5	28.5	26.5	35.5	25	78	80	55	56	75	86	------
11	61.36	62.04	62.84	60.88	61.08	62.92	25.4	24.5	31.9	31.8	29.3	28.4	34.3	24	88	90	54	52	72	61	------
12	62.79	62.96	63.67	60.90	61.07	62.14	24.6	24.3	29	30.2	28.7	29.7	32.8	23.7	79	77	62	59	61	53	------
13	62.04	62.67	63.94	62.24	62.67	63.88	27.8	25	30.2	31.7	28.7	27.2	33.3	24.3	60	72	65	60	62	63	------
14	62.85	62.94	63.61	61.15	61.03	62.62	25.8	25.7	32.5	32.6	28	26.5	33.7	24.7	72	72	51	54	75	78	------
15	61.80	61.68	62.34	60.13	60.81	62.06	25.7	25	30.5	30.7	28.8	26.6	32.2	24.8	85	92	65	65	73	83	------
16	61.05	61.07	62.29	60.37	60.67	61.62	25.4	24.8	30	30.4	27.2	26.2	31.6	24.2	89	89	63	59	79	84	------
17	60.47	61.02	62.14	59.87	59.97	61.29	25.2	25	30.5	31.7	28.5	27.5	32.7	24.6	86	80	59	60	75	81	------
18	60.58	60.91	61.69	59.76	60.09	61.18	26.3	25.7	29.8	31.5	29	26.5	32.7	24.8	84	88	63	50	68	82	------
19	60.50	60.47	61.09	59.64	59.84	60.67	25	24	30.3	30	28.3	27	32.7	23.5	89	91	63	65	75	80	------
20	59.35	59.84	61.29	59.24	59.61	60.58	25.5	25	30.1	31	29.5	27.4	32.7	24.3	90	86	68	56	75	84	------
21	59.68	59.67	60.47	59.16	59.38	60.29	26	26	31	33.5	28.5	27.5	33.7	24.7	87	76	62	58	75	76	------
22	59.82	60.34	60.46	59.34	59.24	59.83	26.3	25.6	31.2	31.4	29.5	27.8	32.8	24.8	77	81	63	64	75	82	------
23	59.08	59.53	59.98	58.80	58.54	59.22	26.2	26	32	32.2	29.6	28.5	33.3	25	88	85	59	61	72	79	------
24	59	59.38	60.06	58.06	58.42	59.47	26.9	26.5	31.7	33	29.7	28.1	33.8	25.6	86	84	68	64	75	82	------
25	58.65	58.92	59.59	57.80	58.11	59.82	27	26	31.1	31.2	29	28	33.2	25.3	86	84	68	69	78	81	------
26	59.07	59.32	60.31	58.61	58.96	60.02	27.1	26.5	32.2	33	28.9	27.5	34	25.5	85	82	62	61	74	77	------
27	58.80	59.09	60.38	58.73	58.61	60.11	25	26.6	31.2	32.5	29.5	27.6	33.6	23.5	86	58	65	55	75	83	------
28	59.68	59.94	60.61	58.70	58.42	60.01	27.1	26.8	31.8	31.5	29.4	28	33.5	25.5	83	82	64	58	66	76	------
29	58.79	59.07	59.73	57.82	57.21	58.47	27	26.6	32.2	32.7	29.5	27.5	34.2	26	78	76	59	58	65	76	------
30	57.70	57.63	58.63	56.32	56.78	58.54	25.8	25.6	32	33	29	28.4	34.2	24.4	83	81	61	58	74	75	------
Mean	60.27	60.54	61.42	59.50	59.67	60.88	25.9	25.4	31	31.6	28.7	27.2	33.2	24.5	82.3	79.9	60.1	58.6	72	79	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	0

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p.m.		6 a. m.				2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.			Amount.	Form and direction.		
														Upper.	Lower.			Upper.	Lower.	
		0-12		*0-12*		*0-12*		*0-12*		*0-12*		*0-12*	*0-10*				*0-10*			
1	E	1	ESE	1	NNW	2	NW	3	N	1	N	1	0				1		Cu.	
2	N	1	Calm	----	SSW	1	WNW	1	NNW	1	NNE	1	1	A.-Cu.	S.-Cu.		0		Fr.-Cu.	
3	ESE	1	SE	0	W	1	NNW	2	NNW	2	Calm	----	5	A.-Cu. E	Cu. SE		1	Ci.-S.	Cu.	
4	Calm	----	ESE	1	SSW	2	SW	2	NNW	1	NNE	1	3	A.-Cu. E	Cu.		1		Cu.	
5	Calm	----	SE	1	SSW	1	WNW	2	NNE	2	NE	1	0				1		Cu.	
6	NNE	1	NNE	2	NNE	2	NNE	5	NNE	2	Calm	----	8	A.-Cu.	Cu. NNE		0		Cu.	
7	E	1	ESE	1	SSW	1	WNW	2	Calm	----	Calm	----	0				7	A.-Cu.	Cu. W	
8	Calm	----	SSE	1	WSW	1	WSW	2	Calm	----	Calm	----	2	A.-Cu.	Cu.		5		Cu. WNW	
9	NE	1	Calm	----	SW	1	W	2	N	1	NNE	1	2	A.-Cu.	Cu.		2		Cu.	
10	N	1	NNE	1	NE	1	NNW	3	NNW	2	Calm	----	4	Ci. WSW			1		Cu.	
11	Calm	----	Calm	----	NW	1	NNW	2	NNW	1	NNE	2	4	A.-Cu. WNW	S.-Cu.		1		Cu.	
12	NNE	1	NNW	2	NNE	3	N	5	NE	3	NE	3	2	A.-Cu.	Cu. NE		5	A.-Cu.	Cu. NE	
13	NNE	1	NNE	1	NW	2	WNW	3	NNE	2	NE	1	1		Cu. NE		4	A.-Cu.	Cu. NE	
14	NNW	1	SE	1	SW	1	NW	2	N	2	NNE	1	3	A.-Cu.	Cu.		1		Cu.	
15	Calm	----	Calm	----	SW	1	WSW	1	NNW	1	NNW	1	3	Ci.	Cu. SE		5	Ci.	Cu. SW	
16	NE	1	NE	1	NNW	2	NNW	3	NNE	2	NE	0	3	A.-Cu.	Cu. NNE		7	A.-Cu.	Cu. NW	
17	ESE	1	SE	1	SSE	2	SW	2	NNW	1	Calm	----	9	Ci. SSW	Cu.		2		Cu. SSW	
18	Calm	----	SSE	1	SW	2	SW	2	WNW	1	NNE	1	3		Cu. S		1		Cu.	
19	Calm	----	NNE	0	W	1	SW	2	N	1	Calm	----	2		Cu. NNE		8		Cu. SSW	
20	Calm	----	ESE	0	SSE	1	SSE	2	NW	1	NNE	1	1	A.-Cu.	Cu.		2	Ci.	Cu.	
21	Calm	----	ESE	0	SSW	2	NW	2	NNE	1	NE	1	3		Cu. SE		1		Cu.	
22	Calm	----	NE	0	SW	2	WNW	2	NW	1	NNE	0	1	Ci.	Cu.		3		Cu. WSW	
23	Calm	----	ESE	0	SSW	1	WNW	2	NNE	2	NW	2	0		Cu.		1	Ci.-S.	Cu.	
24	NW	1	Calm	----	S	1	WNW	2	NNW	2	NNE	1	2	A.-Cu.	Cu. SSE		3		Cu. WNW	
25	NE	0	Calm	----	SSW	1	SSW	2	NNW	1	Calm	----	2	Ci. NNE	Cu.		9	Ci.	Cu. SSW	
26	Calm	----	ESE	0	W	1	NNW	2	NNW	2	NE	1	3	Ci.	Cu.		3		Cu. NW	
27	Calm	----	ESE	1	SSE	2	SW	2	NNE	1	Calm	----	2		Cu. ESE		0		Cu.	
28	ESE	0	SE	1	SSW	1	SW	2	NbyE	1	NbyE	1	8	A.-Cu.	cu.-N. SSE		1		Cu.	
29	Calm	----	Calm	----	SW	1	NNW	2	NNW	2	NNE	1	9	A.-Cu. SSW	Cu.		1	Ci.-S.	Cu.	
30	N	0	Calm	----	SSE	1	NWbyN	2	NbyE	2	NNE	1	7	A.-Cu. SSW	Cu.		1	Ci.-S.	Cu.	
Mean	------	0.4	------	0.6	------	1.4	------	2.3	------	1.4	------	0.8	3.1	------	------		2.6	------	------	

VIGAN.

[ϕ=17° 34′ N; λ=120° 23′ E; barometer above sea, 14.7 meters; gravity correction not applied, —1.61 mm.]

MAY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C*	*°C.*	*°C*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.50	57.47	58.15	56.85	57.49	58.41	26.4	26.2	32.8	33.3	30	27.7	34.3	24.9	84	81	56	55	68	68	------
2	57.58	58.12	59.18	57.77	58.02	59.12	26.7	25.8	32.5	33.9	30.5	28.5	35	25	72	78	53	58	62	75	------
3	59.03	59.94	61.17	59.51	60	61.06	28	28	31.5	33.1	29.5	28.7	34	26.4	75	75	64	61	78	79	------
4	60.31	60.54	60.60	58.97	59.17	59.77	28.1	26.5	33.4	32.1	29.5	27.7	35.2	25.4	81	86	54	61	68	82	------
5	58.99	59.20	59.14	57.72	58.39	59.29	26.4	26.1	32.3	32.4	29	27.3	34.1	25.4	86	83	60	62	78	84	------
6	58.52	58.22	58.84	57.81	58.45	59.19	25.5	26	31.7	31.9	29.6	27	33.6	24.4	85	78	57	59	75	90	------
7	58.29	58.78	59.24	57.87	57.95	59.31	25.4	26	33.5	33.4	30	27.7	34.8	24.8	89	80	51	55	75	84	------
8	58.70	58.92	59.77	58.24	58.17	59.52	26	26.3	30.3	29.6	28.3	26.8	32.3	24.7	93	90	70	69	72	80	------
9	58.23	58.08	58.69	57.40	57.90	58.81	25.5	24.5	32.3	32.2	29.5	28.7	34.6	23.8	80	81	50	61	72	69	------
10	58.39	59.37	59.97	59.02	59.57	60.65	28	27.5	31.5	33	30.6	28.3	34	26.7	71	73	60	56	70	78	------
11	59.57	59.82	60.53	58.85	59.67	60.40	26.7	26.5	31.5	32.5	30	28	33.5	25.2	89	86	67	65	70	80	------
12	58.77	59.24	59.62	58.26	58.38	59.41	26.4	26.4	32.7	32.7	30	27.8	34.3	25.7	88	85	61	65	75	82	------
13	58.25	58.49	59.20	57.67	57.40	58.44	26.2	25.7	32.7	33.8	29.6	27.5	34.8	24.6	86	82	60	58	74	84	------
14	57.60	58.54	59.32	57.70	57.57	58.86	26.3	26	32.6	33.5	30	28.5	34.8	24.7	87	84	54	57	72	81	------
15	58.08	58.36	59.40	57.77	57.65	59.07	26.7	27.3	31.1	33	30.5	29.3	33.7	25.7	88	82	71	64	72	80	------
16	57.46	57.64	59.52	58.04	57.21	58.72	28.6	27.5	32.3	31.9	30.2	29	33.2	26.2	86	94	66	67	74	81	------
17	57.79	58.26	59.35	57.80	57.72	58.73	27.8	27.7	32.2	32.2	30.5	28.5	33.9	26.8	87	84	68	65	74	81	------
18	58.38	58.72	60.15	58.66	58.66	59.61	27.1	26.4	33	34	30	28.4	34.6	25.5	87	86	63	62	73	84	------
19	58.98	59.14	59.23	57.67	57.82	58.87	26.9	26.5	33.2	31.8	30.4	28	34.7	25.6	90	84	65	70	74	82	------
20	57.66	57.74	58.62	57.20	56.65	57.84	26.9	26.7	33	31.5	30.3	28	34.6	25.8	84	82	65	73	74	85	------
21	57.60	58.48	59.41	57.82	58.03	58.81	26.3	26	31.5	33.1	29.5	27.2	34.9	25.1	90	85	69	64	71	81	------
22	58.68	58.95	59.05	58	58.16	59.15	25.4	25	32	31.6	29.3	26.5	34.2	24.3	91	86	61	64	68	83	------
23	58.15	58.44	58.68	57.70	58.37	59.01	25.1	25	31.8	33	30	27.1	34.5	23.8	87	85	62	61	67	83	------
24	58.15	57.84	58.58	57.36	57.03	57.99	25.6	25.7	33.5	34	29.5	28.5	35	24.2	92	80	56	56	77	83	------
25	57.61	57.73	57.42	55.90	56.05	57.44	27	26.2	34	32	30	28.5	34.7	25.5	86	86	52	70	77	84	0.5
26	56.49	56.83	57.80	56.20	56.82	58.07	27	26.4	33	34	29.7	29	35.4	25.5	89	87	64	59	79	80	------
27	56.84	57.12	57.81	56.66	57.37	57.69	28.1	27	33	32.4	30	29	35.3	25.8	84	84	61	65	78	81	------
28	57.06	57.83	58.91	56.95	57.99	59.12	27	26.5	32.4	34	31	29.8	34.8	25.7	83	80	67	59	76	81	------
29	58.21	58.81	59.85	58.05	57.77	59.59	28.5	28	32.5	33.2	30.5	28.4	34.6	27	83	82	68	63	63	75	------
30	58.38	58.42	59.11	57.34	57.54	59.02	27.6	27.4	33.3	33.5	31.2	29.5	34.7	26.2	79	79	56	62	71	66	------
31	58.22	58.27	59.75	57.52	57.37	59.19	27.4	27	32	33.4	30	28.5	34.5	26.2	75	77	63	54	73	82	------
Mean	58.18	58.49	59.23	57.75	57.95	59.02	26.8	26.4	32.4	32.8	30	28.2	34.4	25.4	84.7	82.7	61.1	61.9	72.6	80.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	0.5

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.				
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.		
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*				
1	NW	1	Calm	----	WNW	1	WNW	2	NbyW	2	ESE	1	9	A.-Cu. SSW	S.-Cu.	3	Ci.-Cu.	Cu. NW		
2	SSE	1	ESE	1	SSW	1	WNW	2	NNE	1	SE	1	2	A.-S.	Cu.	4	Ci.-S. SW	Cu. NW		
3	ESE	1	SEbyE	1	SSE	2	SW	2	NNW	1	N	1	2	----------	Cu.	1	----------	Cu.		
4	NE	0	NEbyN	0	NNW	2	NNW	4	N	3	N	2	2	Ci.-Cu.	Cu.	1	A.-Cu.	Cu.		
5	ENE	0	EbyN	1	SW	2	SW	2	N	1	Calm	----	1	A.-Cu.	Cu.	2	----------	Fr.-Cu. WSW		
6	NW	0	ESE	1	SbyW	1	WNW	2	WNW	1	NNW	1	0	----------	----------	2	Ci.-S.	Cu. SW		
7	Calm	----	ESE	1	WNW	1	WSW	2	NW	1	NNW	0	1	Ci.-S.	Cu.	1	----------	Cu.		
8	NNE	0	Calm	----	SW	1	SSW	1	SSW	0	Calm	----	10	A.-Cu.	Cu.-N. SW	10	A.-Cu. SW	Cu.-N.SSW		
9	NW	1	Calm	----	WSW	1	WNW	2	NNW	1	Calm	----	2	Ci.	Cu.	2	Ci.	Cu.		
10	SSW	1	SE	1	SSW	1	SSW	2	NW	1	NNW	1	9	A.-Cu.SSE	Cu.	3	Ci.-S.	Cu.		
11	Calm	----	NE	1	SSW	1	W	2	NNW	1	ESE	1	1	Ci.	Cu.	3	Ci.-S.	Cu. W		
12	Calm	----	Calm	----	SW	1	WNW	2	NW	2	Calm	----	2	Ci.-S.	Cu.	7	Ci.-Cu. SSE	Cu. WNW		
13	NNW	0	ENE	0	WNW	1	NW	2	NNW	1	NNW	0	4	Ci.	Cu.	3	Ci.	Cu. WNW		
14	NW	0	NE	0	SW	1	W	2	WNW	1	Calm	----	7	A.-Cu.	Cu.	6	Ci. SSW	Cu.		
15	Calm	----	EbyN	1	SSE	2	SSW	2	SbyW	1	Calm	----	6	A.-Cu. S	Cu. SSW	2	Ci.	Cu. SSW		
16	Calm	----	SSE	0	SSE	2	SSW	2	SSW	2	Calm	----	8	Ci.	Cu. SSW	8	Ci.-S. NNE	Fr.-Cu.		
17	SbyE	1	Calm	----	SbyE	2	SSW	2	SW	1	Calm	----	9	Ci.-Cu.	Cu. S	8	A.-Cu.ESE	Cu. SW		
18	Calm	----	Calm	----	WNW	2	NW	2	NNW	1	NE	1	7	A.-Cu. NNW	Cu.	2	Ci.-S.	Cu.-N.		
19	NNW	0	Calm	----	NNW	2	NNW	4	NNW	2	NNW	0	1	A.-Cu.	Cu.	3	Ci.-Cu.	Cu.-N.		
20	Calm	----	ESE	1	WSW	1	NNW	2	NbyW	1	NE	1	2	Ci.	Cu.	8	A.-Cu.	Cu.-N. WNW		
21	N	1	Calm	----	WSW	1	NW	2	NNW	1	NE	1	6	Ci.	Cu. SSE	5	Ci.	Cu.		
22	NNW	1	Calm	----	NNE	1	NNW	2	NNW	1	Calm	----	3	Ci.	Cu.	4	Ci. NNE	Cu.		
23	Calm	----	NE	0	SW	1	WSW	2	N	1	Calm	----	3	Ci.	Cu.	1	Ci.-S.	Cu.		
24	NW	0	ESE	0	SW	1	NNW	2	NbyW	2	NE	1	1	Ci.	----------	2	Ci.	Cu. NNW		
25	NNE	1	Calm	----	SSW	1	NNW	3	N	2	Calm	----	1	Ci. NE	Cu.	7	Ci.	Cu. NNW		
26	NbyE	1	Calm	----	NW	1	NW	2	NNW	1	NE	1	8	Ci. NE	Cu.	5	Ci.-S.	Cu.		
27	N	1	ENE	1	NW	2	NNW	4	NNE	2	NNE	2	1	Ci.	Cu.	4	Ci.	Cu. NW		
28	NE	1	ESE	1	swbys	1	swbys	2	NNW	1	Calm	----	3	Ci.	Cu.	7	Ci. NE	Cu.		
29	E	0	SE	1	SSE	2	W	2	ESE	1	EbyS	1	5	Ci.	Cu. SSE	6	Ci.-S. NE	Cu. WSW		
30	ESE	1	ESE	1	SW	2	W	2	WNW	1	Calm	----	3	Ci.	Cu.	3	Ci.	Cu. W		
31	Calm	----	ESE	1	W	1	W	2	WNW	2	NE	1	7	Ci.	Cu.	7	Ci.-S. N.	Cu.		
Mean	------	0.4	------	0.5	------	1.4	------	2.2	------	1.3	------	0.5	4.1	----------	----------	4.2	----------	----------		

VIGAN.

[ϕ=17° 34′ N; λ=120° 23′ E; barometer above sea, 14.7 meters; gravity correction not applied, —1.61 mm.]

JUNE, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.17	58.06	58.52	57.75	58.61	59.73	27.4	27.2	33.6	35	26.4	25.8	35.8	24.8	82	81	57	58	90	90	3.3
2	59.32	59.65	60.11	58.47	58.67	59.78	25.5	26	33	34.5	30.7	27.8	35.1	24.7	90	84	62	58	74	86	------
3	59.29	59.12	59.57	58.46	58.33	59.04	27	26.5	32.8	31.2	30.5	28.3	34.7	25.5	84	85	61	74	75	84	------
4	58.32	57.30	57.97	57.17	57.60	58.45	26.1	26.6	31.7	31.1	30.8	29	34.2	25.7	90	82	70	69	76	81	------
5	57.50	57.07	58.02	56.65	57.05	59.22	26.9	27.2	33.5	32.8	29.8	28.5	34.8	26.3	87	81	56	70	79	78	------
6	58	57.97	57.67	56.37	57.02	59.04	26.9	27	33.7	32	31	26.1	34.8	24.8	87	86	55	70	75	95	2.1
7	58.30	57.37	57.86	56.32	56.87	57.80	25.2	26.5	32.1	33.1	31.3	29.3	34.7	24.1	98	85	60	61	71	85	.3
8	57.26	57.82	57.92	56.57	57.27	58.53	28.1	26.3	27.2	31.5	29.5	28	32.7	23.5	88	94	94	72	84	88	17.9
9	57.41	57.49	58.22	57.75	58.06	59.78	27.5	27.2	31.7	29.9	27.8	25.5	32.3	24.7	90	90	69	75	89	98	6.6
10	58.38	58.29	58.77	57.07	57.75	59.39	25.5	26.1	30.5	31.5	30.7	27	33.5	24.8	93	87	75	73	76	100	5.1
11	58.32	58.40	59.03	57.32	58.16	59.18	26.7	26.5	32	33	30.5	27.4	34.7	25.5	98	90	62	65	76	85	------
12	58.53	58.32	58.97	56.60	56.61	58.45	26.7	26.2	32.5	33	30.5	25.7	34.4	24.2	88	90	63	68	78	100	21.5
13	58.49	58.53	58.61	57.02	57.31	58.98	25.2	25.8	30	31	29.5	27.3	32.1	24	99	95	71	79	81	86	9.7
14	58.21	58.14	58.29	57.34	57.70	59.35	25	25.5	28	30.2	24.8	26	31.2	23.8	96	98	86	78	100	94	19.8
15	56.93	56.74	57.12	56.62	57.73	57.19	25.4	26.4	30.7	31.9	26.5	27.4	32.5	24.5	92	86	69	68	91	91	.3
16	55.95	55.63	57.07	56.21	55.94	56.34	27	27.4	30.5	30.5	29.2	28.4	31.6	25.6	86	83	75	75	86	84	.3
17	55.59	55.38	56.27	55.21	55.56	56.72	27.2	27.2	31.5	32.1	29.8	28.9	32.8	25.3	90	90	68	69	84	89	------
18	55.44	56.17	56.94	56.57	56.63	57.18	27.8	27.7	30	31	29.4	28	32.8	26.8	94	94	80	76	80	87	------
19	55.77	56.28	56.63	55.59	55.89	56.69	27.7	28	28.1	30	25.2	26.2	31.5	23.3	87	85	85	80	100	89	19.7
20	55.47	55.29	56.22	55.42	55.61	56.40	27	27.7	30.8	31.8	27.5	27	32.5	25.8	84	83	78	72	96	84	.8
21	55.27	55.59	56.22	56.02	56.04	57.42	28	28.2	30.8	31.2	28.8	25.3	32.7	24.7	85	83	69	71	83	96	16.6
22	56.47	56.39	57.16	56.38	56.93	57.68	27	26.2	30.6	31.5	29	26.4	32.5	25	83	88	74	73	86	89	------
23	56.69	57.29	57.72	56.40	56.54	57.82	26.4	27	30.2	31.6	30.5	27.8	32.8	24.7	85	86	74	70	75	86	------
24	55.59	56.97	57.71	56.56	56.60	58.27	26	26.6	31	31.6	29.9	26	32.8	24.9	94	90	72	72	84	98	3
25	56.87	56.58	57.38	56.50	56.82	58.38	26.1	26.2	30.4	31.5	29.8	27.8	32.8	25.3	91	89	79	73	83	90	------
26	57.47	57.32	58.28	57.42	57.37	58.61	27	26.4	31	32	30	28.2	33	25.3	90	86	73	71	82	85	------
27	56.84	56.72	57.77	56.71	56.28	57.17	27	26.8	30.8	31.6	30.5	28	33	25.8	85	86	75	71	77	85	------
28	56.67	56.39	56.77	55.97	55.66	56.92	26.9	27.6	30.5	31.6	30.3	27.4	32.8	25.9	78	85	78	75	76	91	3.1
29	56.24	56.77	56.89	56.15	56.83	58.94	27.5	26.7	30.5	30.4	24.5	25.5	32.8	23.5	92	98	76	79	98	95	23.2
30	57.38	57.15	58.09	57.13	56.84	58.69	26.2	26.2	30.5	31	29.3	25.5	32	23.8	90	90	75	79	83	96	9
Mean	57.20	57.21	57.79	56.72	57.01	58.24	26.7	26.8	31	31.7	29.1	27.2	33.2	24.9	89.2	87.7	71.4	71.5	82.9	89.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	162.3

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	ENE	1	Calm	----	WSW	1	NNW	3	NE	2	SE	1	8	A.-Cu. NNW	Cu.	6	Ci.-S. NE	Cu.	
2	NE	1	Calm	----	WNW	1	NNW	2	NNW	2	NNW	1	7	A.-Cu. SSE	Cu.	3	Ci.-S.	Cu.	
3	N	1	ESE	0	SW	2	WNW	2	NNE	1	NE	0	3	Ci.	Cu.	7	Ci.-S. NE	Cu.-N.	
4	ESE	1	ESE	1	S	2	WSW	3	NW	1	Calm	----	8	Ci.	Cu.	7	Ci.-S. NE	Cu.-N.	
5	Calm	----	Calm	----	SSW	1	SW	2	SE	1	ESE	1	6	Ci. ENE	Cu.	7	Ci. ENE	Cu. SSW	
6	SSE	1	ESE	1	SSW	2	SW	2	NW	1	SE	1	7	A.-Cu. NE	Cu.	4	Ci. NNE	Cu.-N.	
7	S	1	ESE	1	SSW	1	SW	2	NW	1	Calm	----	10	A.-Cu. NE	S.-Cu.	2	Ci.	Cu.	
8	S	1	Calm	----	SSE	1	SSW	2	SSW	2	Calm	----	10	Ci.-S.	N. SbyW	8	A.-Cu. SSE	Cu.	
9	ESE	1	SSE	1	SSE	2	SSW	1	SE	1	NE	2	8	A.-Cu. SSW	Cu.	9	Ci.-S.	S.-Cu.	
10	SSE	1	ESE	1	SSW	2	S	2	SW	1	SE	1	3	Ci. NNE	Cu.	2	Ci.-S.	Cu. SSW	
11	SE	1	ESE	1	SSW	1	WSW	2	NE	1	ESE	0	6	Ci.-S. E	Cu.	6	Ci.-S. ENE	Cu.	
12	ESE	1	ESE	0	SW	1	NW	2	N	2	NE	1	2	Ci.	Cu.	4	Ci.	Cu. NW	
13	ESE	1	ESE	1	SSE	2	WSW	2	SSE	2	SE	1	8	Ci.-S.	Cu.	8	Ci.	Cu. SW	
14	SE	2	SW	1	SSE	1	SW	2	WSW	2	SE	2	10	A.-Cu.	N. SW	8	A.-Cu.	Cu. SSW	
15	SE	1	SSE	2	SSE	2	SSW	2	SSW	1	SE	1	7	A.-Cu.	Cu. SSW	8	A.-Cu. NE	Cu.	
16	SE	1	SE	1	SSW	3	SSE	3	SbyW	2	SE	1	3	Ci.	Cu.	10	A.-Cu.	cu.-N.SSW	
17	SE	1	SE	1	SSE	3	SSW	3	SSE	2	SE	1	3	Ci. N	Cu.	5	Ci. NE	Cu.	
18	SE	1	SSE	1	SSE	2	SSW	2	SE	2	SE	2	9	A.-Cu.	N. SSW	9	A.-Cu. W	Cu. SSW	
19	ESE	1	SE	2	SSE	2	SSE	2	SSE	3	SE	2	9	Ci.-S. NE	Cu.-N. ssw	8	A.-Cu. SW	Cu. SSW	
20	ESE	1	SSE	2	SSE	2	SbyW	3	SSE	2	SSE	2	6	A.-Cu. SW	Cu. SSW	9	A.-Cu.	Cu. SW	
21	SE	2	SSE	2	SSE	4	SSE	4	SSE	3	SE	3	7	Ci. NE	Cu. SSW	9	Ci.-S.	cu.-N.SSW	
22	SSE	4	ESE	1	SSW	2	SSW	2	SSW	1	ESE	1	10	Ci.-S.	S.-Cu. SE	3	Ci. NE	Cu.	
23	E	2	SSE	1	SSE	2	SW	2	SSW	1	SSW	1	5	Ci. NE	Cu.	7	Ci. NE	Cu.	
24	SE	1	Calm	----	SSW	2	SW	2	S	2	SE	1	7	Ci.	Cu. SSW	7	Ci.-S.	Cu. SW	
25	ESE	1	ESE	1	SSW	2	SW	2	SW	1	SE	1	6	Ci.-S. NE	S.-Cu.	7	Ci.-S.	Cu. SW	
26	ESE	1	ESE	1	SbyE	2	SW	2	S	1	SE	1	3	Ci.	Cu.	3	Ci.-S.	Cu. SW	
27	SE	0	SE	1	SSW	2	SW	2	S	2	E	1	4	Ci.	Cu. SSW	3	Ci. NNE	Cu. SW	
28	E	1	SE	1	SSW	2	SSW	2	SSW	2	SSE	1	8	Ci.-S.	Cu.-N. SW	7	Ci.-S.	Cu. SW	
29	SE	1	SE	1	SSE	2	SW	2	SSE	2	SE	2	8	Ci.-S.	Cu.-N. ssw	6	Ci.	Cu. SW	
30	ESE	1	ESE	1	SSW	2	SSW	2	SSW	1	SE	1	8	A.-Cu.	Cu. SSW	7	Ci.-S.	Cu. SSW	
Mean	------	1.1	------	0.9	------	1.9	------	2.2	------	1.6	------	1.1	6.6	----------	----------	6.3	----------	----------	

VIGAN.

[$\phi = 17° 34'$ N; $\lambda = 120° 23'$ E; barometer above sea, 14.7 meters; gravity correction not applied, —1.61 mm.]

JULY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.48	57.39	57.87	56.62	56.77	59.19	26.3	26	30.5	31.3	28	25	32.4	23.4	90	91	77	73	94	93	32.4
2	56.67	56.81	56.86	56.51	56.42	57.87	25.5	25.6	30.3	31.1	29.5	27.5	32.3	23.8	88	85	74	77	83	90	------
3	56.95	57.28	58.08	56.97	56.92	58.39	26.5	25.7	30.6	32	29.5	27.8	32.8	24.8	86	93	72	70	79	94	------
4	57.79	58.17	58.57	57.83	57.71	58.87	26.5	26	31	31.3	29.7	28.4	32.6	25	94	93	77	73	80	88	10.1
5	58.51	58.65	58.31	57.31	57.38	59.26	24.5	25.7	30.5	30.5	28.5	24.4	32.2	23.2	100	98	78	80	90	100	3.5
6	58.19	57.66	58.28	57.18	56.80	58.22	25	25.2	30.3	31.6	30.7	27.6	32.3	23.2	89	88	76	68	76	89	------
7	57.45	57.79	57.47	56.47	56.58	58.22	26.3	26	31.5	32	29.7	27.2	33.1	25.1	93	92	66	63	83	87	------
8	56.27	56.62	57.22	56.02	57.03	57.83	26	25.4	30.3	31.5	24.6	25.5	32.6	23.8	93	93	73	71	97	90	3.8
9	56.19	56.31	56.92	56.32	56.17	57.41	25	24.7	30.5	30.2	29.5	28.1	31.7	24.1	92	93	73	71	78	91	.1
10	57.20	57.39	57.34	56.32	56.91	58.59	27.1	26.5	31.1	32	24	25.2	33.3	22.2	93	96	71	72	96	89	99.4
11	57.41	57.36	58.57	57.14	58.02	58.79	24.2	25.3	30.4	30.5	25	24.7	32.9	23.5	90	84	74	76	98	96	12.3
12	57.74	58	57.77	57.09	57.63	59.22	24	24.6	30.8	31	28.6	25.5	32.7	23.4	98	90	73	76	88	92	1.5
13	57.49	57.29	57.67	57.16	56.82	58.29	25.1	25	30.8	31.6	30	27.2	32.9	24	92	88	68	70	75	92	------
14	56.98	56.98	57.98	56.77	58.04	59.01	26	25.7	31.5	32	28.2	25	33	23.7	92	90	72	69	80	88	6.2
15	58	57.31	58.46	57.41	57.27	58.49	25.1	25	30.1	31.2	27.5	26	32.3	24	85	88	81	74	81	91	------
16	57.94	57.66	57.86	57.20	57.95	58.71	25.7	25.2	30.7	31.5	24	25	33.1	22.4	89	92	69	69	97	92	16.7
17	56.93	56.92	58.14	56.92	57.25	58.31	24.3	24.5	29.7	31.1	25	25	32.3	23.3	97	93	80	73	92	89	1.5
18	57.13	56.87	56.47	55.27	55.09	55.70	25	24.8	30.2	31.7	25.2	26	32.6	23.5	89	91	72	69	96	92	6.6
19	54.94	54.55	54.68	52.70	52.33	54.43	25.2	25	30.7	32.4	29.8	27.9	33.4	23.5	94	93	79	70	79	88	11.7
20	53.49	53.86	54.39	52.47	52.89	53.86	27.5	26.2	30.3	31.2	27.2	26	32.2	23.2	92	100	79	81	98	92	56.9
21	52.64	52.89	53.72	52.22	53.54	54.54	26	26	29.4	30	25	26.4	31	24.6	96	93	80	75	100	89	13.3
22	53.31	53.59	54.48	53.58	53.29	54.94	25.5	26.5	28.8	28.2	28.3	27.5	29.7	24.5	88	82	76	79	77	83	4.1
23	53.60	53.77	54.84	53.44	54.02	56.18	26.5	27	30	29.2	28.5	27	31.2	24.8	84	86	75	76	78	84	1.3
24	55.33	55.28	55.95	55.37	55.13	56.85	25.5	26.4	28.2	28.7	28	25.2	30.5	23.9	88	82	83	80	79	92	.5
25	55.54	55.66	56.67	55.74	56.39	58.21	25.6	25.3	30	30.3	26.8	24.8	31.2	24	91	86	73	76	92	97	16.7
26	56.78	56.62	57.82	56.61	56.84	58.05	24.6	24.5	29.8	30.8	27.5	25.7	31.5	23.6	93	92	75	72	87	90	.5
27	56.44	56.71	57.04	55.68	55.60	56.19	24.9	24.2	30.5	29.5	27.2	26.6	31.7	23.5	92	94	72	78	93	97	8.7
28	55.94	54.96	55.67	54.07	54.24	55.79	26	25.2	31	30.2	28	26.5	31.7	24.5	98	98	77	78	92	96	------
29	55.28	55.30	56.25	55.03	55.55	57.06	26.1	25.8	29	28.5	25	24	30.2	23.5	95	93	81	83	100	98	16.3
30	55.70	55.40	56.30	55.04	55.21	56.05	24.5	24.5	27.7	28.5	25	25	29.2	23.4	96	92	82	81	97	92	33.2
31	55	53.98	54.17	53.09	52.23	53.45	25	24	26.5	24.6	24.5	24	26.7	22.3	98	100	92	99	98	100	302.8
Mean	56.33	56.29	56.83	55.73	55.94	57.29	25.5	25.4	30.1	30.5	27.4	26.1	31.8	23.7	92.1	91.3	75.8	74.9	88.2	91.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	660.1

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	ESE	1	SE	1	SSE	1	SSW	2	WSW	1	ESE	1	6	A.-Cu.	Cu. SSW	4	Ci.	Cu. SSW
2	ESE	1	SE	2	SSW	2	SSW	2	SSW	1	S	2	7	A.-Cu.	S.-Cu.	6	Ci.	Cu. SSW
3	E	1	ENE	1	SSE	1	SW	1	SW	1	NNE	1	3	Ci.	Cu.	6	A.-Cu. ESE	Cu.
4	ESE	0	Calm	----	SSW	2	SW	2	SSW	1	S	1	2	Ci.	Cu.	7	A.-Cu. ESE	Cu. SW
5	NE	1	Calm	----	SW	1	WSW	2	N	2	S	3	2	Ci.	Cu.	8	A.-Cu. NE	Cu. SW
6	ESE	1	ESE	1	SSW	1	SW	1	WNW	1	ESE	1	3	Ci.	Cu.	2	Ci.-S.	Cu.
7	E	0	ESE	1	EbyS	1	SSW	1	NNE	1	SE	0	7	A.-Cu.	S.-Cu. SSW	6	Ci. NE	Cu.
8	ENE	1	ESE	1	SE	1	WNW	2	ENE	1	ENE	1	3	Ci.	S.-Cu.	7	Ci.-S. NE	Cu. SSW
9	ENE	1	ESE	1	SW	1	SW	1	SSW	1	ESE	1	7	A.-Cu. NE	S.-Cu.	9	A.-Cu. E	Cu.-N.
10	SE	1	Calm	----	SW	1	SSW	2	SE	2	ESE	1	8	A.-Cu. E	Cu.-N. SW	7	A.-Cu. E	Cu.-N. SW
11	ENE	1	Calm	----	NNW	1	NW	2	SSE	1	SE	1	8	A.-Cu.	S.-Cu. ESE	8	A.-Cu.	Cu.-N. NW
12	ENE	1	ESE	1	ENE	1	NW	2	NW	0	E	1	2	Ci.	Cu.	8	Ci.-S.	Cu. NW
13	ENE	1	ESE	1	NE	1	NNW	2	N	2	NNE	1	3	Ci.	Cu.	4	Ci.-S. NE	Cu.
14	NE	1	ESE	1	SbyW	1	W	2	SE	2	E	1	6	A.-Cu. NE	Cu.	5	Ci.-S. E	Cu. SW
15	ESE	1	ESE	1	SSE	2	SSW	1	NNE	1	ENE	1	6	Ci. E	S.-Cu.	8	A.-Cu. S	Cu. SW
16	E	1	ESE	1	SSW	1	W	2	E	1	E	1	7	Ci. NE	Cu.	8	Ci.-S.	Cu. WNW
17	NE	0	ESE	1	SSW	2	SW	2	ESE	2	NE	1	2	Ci.	Cu.	6	A.-Cu. ESE	Cu. SSW
18	E	1	ESE	1	NNW	1	NNW	2	SE	1	E	1	7	Ci. ESE	Cu.	8	A.-Cu. ESE	Cu. NW
19	ENE	1	ESE	1	NNE	1	WNW	1	S	1	SSE	1	7	Ci.-S.	Cu.	8	A.-Cu. E	Cu.
20	SSE	1	SW	1	WNW	1	NWbyW	2	SE	2	E	1	7	Ci.	Cu.-N. SW	8	A.-Cu. NNW	Cu. NW
21	E	0	SE	1	SbyW	2	SSW	4	SSE	5	SE	3	9	Ci.-S. WNW	Cu.-N.	9	Ci.-S.	Cu. SSW
22	SSE	2	SE	2	SSW	4	SSW	5	S	4	S	4	10	Ci.-S.	Cu.-N. SSE	10	Ci.-S.	N. SSW
23	SE	2	SSE	1	SSE	3	SSE	4	SSE	4	S	5	10	Ci.-S.	Cu.-N. S	9	A.-Cu. SW	Cu. S
24	SE	4	SSE	4	SSW	2	SSW	3	S	3	SSE	3	10	A.-Cu.	Cu.-N. S	10	A.-Cu.	Cu.-N. S
25	SE	2	SSE	1	SSW	2	SSW	3	S	1	SSE	1	6	Ci. E	Cu. S	7	Ci.	Cu. SSW
26	ESE	1	SE	1	SSW	2	SSW	2	ESE	1	E	1	5	A.-Cu.	Cu.	7	A.-Cu. E	Cu. SSW
27	ENE	0	Calm	----	NW	1	NNW	2	NE	1	E	1	3	Ci.-S. SSE	Cu.	8	Ci.-S.	Cu.-N. NNE
28	SSE	0	Calm	----	WNW	1	SSW	1	SbyW	1	SE	1	9	A.-Cu. NE	Cu.-N. NNE	10	Ci.-S.	Cu.-N.
29	SSE	1	ESE	0	SW	1	WSW	2	E	1	SSE	1	10	Ci.-S.	Cu.-N. ESE	10	A.-Cu.	Cu.-N. SW
30	SE	0	SSE	1	SbyW	2	SbyW	3	S	3	S	3	10	Ci.-S.	Cu.-N.	10	Ci.-S.	Cu.-N. SSW
31	S	2	SSE	2	SSW	5	SSW	2	WSW	2	WSW	5	10	----------	N. SSW	10	----------	N. SW
Mean	------	1	------	1	------	1.6	------	2.1	------	1.6	------	1.6	6.3	----------	----------	7.5	----------	----------

VIGAN.

[$\phi = 17°\ 34'$ N; $\lambda = 120°\ 23'$ E; barometer above sea, 14.7 meters; gravity correction not applied, —1.61 mm.]

AUGUST, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	52.26	52.27	53.09	51.58	52.26	52.66	25	24.6	24.5	25.2	22.5	24.6	26.4	21.8	93	99	98	98	100	99	316
2	52.36	52.61	54.44	54.35	55.07	56.45	24.3	25	25	26.8	25.4	25.8	27.4	22.3	97	96	92	85	93	85	73.4
3	55.30	55.31	57.28	56.50	56.39	57.44	25.8	25	28	27.8	25	25	28.7	24	89	94	87	84	90	85	1.3
4	56.02	56.88	57.24	56.32	56.79	58.61	24.5	24	28.9	29	26	24	30	23	86	89	74	78	92	98	11.6
5	56.91	56.64	57.45	56.63	56.79	59.17	24.4	23.8	29	29.9	25.2	24	31.2	22.7	91	93	74	75	95	96	45.4
6	57.49	57.83	58.64	57.30	58	59	24	24	29.7	29.9	28.2	26.6	30.8	22.9	91	91	68	75	82	91	------
7	58.31	58.59	59.39	58.19	57.97	59.03	25	24.9	29	28.5	27.3	26	30.2	24.1	91	88	76	80	82	92	18.3
8	58.01	57.79	58.64	56.98	56.99	58.01	24.7	24.6	28.5	29.4	27.5	25.5	30	23.8	94	94	78	80	84	88	.3
9	57.05	56.82	57.59	56.36	56.63	57.99	24.5	24.3	29.2	31	25.8	25.8	31.5	23.3	92	93	73	72	93	94	4.1
10	57.10	57.09	57.74	56.24	56.96	58.31	24.5	24.5	28.6	28.5	24.7	24.5	30.4	23.1	96	94	78	83	97	96	35.6
11	57.34	57.06	57.53	55.60	55.98	57.49	23.8	24.1	29	28.8	25.5	24.5	30.2	23	95	95	74	79	96	89	29.8
12	56.32	55.64	56.24	54.46	54.01	55.68	24.8	24.5	29	28.7	28	26	31	23.5	89	96	78	78	79	92	.8
13	54.45	54.41	54.81	53.59	54.31	55.26	25.2	24.5	29.7	29.5	27	24.7	30.5	23.2	94	95	77	76	84	91	8.1
14	54.78	54.71	56.09	54.74	55.13	57.24	24.9	24.4	28.5	30	28.6	26.7	30.7	23.5	90	91	77	73	83	92	1.5
15	56.31	56.66	57.24	56.28	56.64	58.19	25	25	29.5	30.5	28.7	26.8	31.1	24.2	96	92	76	76	83	90	------
16	57	57.50	58.32	56.47	56.53	57.74	25.8	25.4	30	30.3	28.5	25.5	31.2	24.2	92	92	74	74	84	96	19
17	56.61	56.80	57.32	55.77	55.89	57.39	25	25	29.5	30.1	27.7	26	31	24	96	93	76	79	87	92	.5
18	56	56.06	57.07	56.03	56.42	56.90	25.3	25.5	29.5	28.5	26.8	25.8	30.5	24.4	96	92	77	81	86	92	------
19	56.41	56.35	57.28	56.08	54.56	57.19	25.5	25	29.5	29.7	27.5	26.9	31.3	24.2	90	91	72	77	84	93	2.4
20	56.60	56.89	57.29	55.41	56.52	57.57	25.8	24.5	29.2	30.5	28.2	27	31.6	23.8	93	97	76	72	85	90	------
21	56.26	56.31	57.40	55.81	56.47	57.19	26	25.3	29.4	30.2	28.1	25.7	30.8	23.5	88	89	73	75	86	92	8.6
22	56.71	56.89	57.43	56.22	55.96	57.55	24.8	24.8	29.2	29.7	28.2	26.1	30.9	23.9	93	90	75	79	83	95	2.5
23	56.26	55.61	56.49	55.13	55.23	56.86	25	25	30	30.4	29	25.1	31.3	23.4	93	89	75	74	81	95	8.6
24	56.11	56.39	57.30	55.49	55.78	57.68	25.2	25.1	29.4	30.2	27.8	25	30.9	23.9	92	91	73	77	86	98	10.4
25	56.54	56.26	57.04	54.89	54.81	56.20	25	24.8	28.5	28.5	28.2	26.4	29.7	23.7	92	94	80	84	83	90	------
26	54.70	54.11	54.76	52.60	52.59	54.24	25.6	25.2	29	30	28	26.3	30.3	24.3	93	94	81	80	85	94	------
27	52.59	51.94	52.86	51.13	51.15	52.38	25.5	25	29.4	30.2	27.8	26.3	30.9	24.1	96	92	73	77	87	94	1.3
28	51.54	50.89	51.86	51.67	51.99	52.84	25	25	27.2	26	26.3	25.7	27.7	23.7	98	96	90	96	94	94	46
29	51.66	52.05	53.61	52.25	52.30	53.46	26.5	25.4	24.3	26.3	26.8	25	27.1	23.5	90	97	100	95	93	98	192.8
30	52.96	53.83	55.24	54.61	53.86	54.86	24.8	24.7	24.5	25.5	24.9	24.5	25.8	22.7	98	97	100	96	93	100	120.1
31	53.36	53.09	53.96	52.75	52.50	53.76	24.7	24	26.5	27	26	25	27.5	23	97	100	91	88	92	98	20.1
Mean	55.53	55.53	56.41	55.08	55.24	56.59	25	24.7	28.4	28.9	26.9	25.6	30	23.5	92.9	93.4	79.5	80.5	87.8	93.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	978.5

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	SW	2	WSW	2	SW	1	S	3	S	3	S	3	10	----------	N. WSW	10	----------	N. SSW	
2	S	5	SSE	4	SSE	3	SSE	2	S	5	S	2	10	----------	N. S	10	Ci.-S.	cu.-N.SSW	
3	SSE	2	SbyE	1	SSW	4	SSW	3	S	1	ESE	1	10	A.-Cu.	cu.-N. SSW	10	Ci.-S.	cu.-N.SSW	
4	S	1	SSE	1	SSW	1	SSE	1	Calm	----	Calm	----	10	A.-Cu. ESE	S.-Cu. SE	9	A.-Cu. ESE	Cu.	
5	ESE	1	E	0	SW	0	WNW	1	SSE	1	SSE	2	2	A.-Cu.	S.	8	A.-Cu.	cu.-N. NW	
6	ESE	1	EbyS	1	W	0	SSW	1	S	2	SSE	1	5	Ci.	Cu.	6	Ci.	Cu. SSW	
7	SSE	1	ESE	1	SSW	2	SSW	2	SSE	1	SSE	0	2	Ci.-S.	Cu.	7	Ci.-S.	Cu. SSW	
8	SE	1	ESE	0	SbyE	1	W	2	NNW	1	ENE	1	9	A.-Cu.NNE	Cu.-N.	9	Ci.-S.	cu.-N.SSW	
9	E	1	ESE	1	SSE	1	W	1	ENE	1	Calm	----	2	Ci.	Cu.	7	Ci.-S.	Cu. WNW	
10	E	0	ESE	0	SSW	2	WNW	1	ESE	1	S	1	4	Ci.-S.	Cu.	8	Ci.	N. WNW	
11	SSE	1	S	1	E	1	SSW	2	SW	1	SW	1	8	Ci.	cu.-N. SSW	8	A.-Cu. ESE	cu.-N. SW	
12	ESE	1	ENE	1	NNW	1	NNW	2	Calm	----	Calm	----	9	A.-Cu.NNE	S.-Cu.	9	Ci.	N. NNE	
13	ESE	0	SSE	0	SW	1	SW	2	N	1	SE	1	6	A.-Cu. NE	Cu.	8	A.-Cu. NE	cu.-N. SW	
14	ESE	0	ESE	1	SSW	2	SSW	2	SSW	1	SE	1	3	Ci. S	Cu.	3	Ci.	Cu. SSW	
15	ESE	1	SE	1	S	2	S	2	SE	1	SE	1	2	Ci.	Cu.	4	Ci.	Cu. SSW	
16	ESE	1	ESE	1	SSW	2	SW	2	SSW	1	NNE	1	2	Ci.	Cu.	8	Ci.	Cu. SSW	
17	SSE	1	ESE	1	S	1	WSW	2	SSW	1	SSE	2	5	Ci.	S.-Cu.	8	Ci.-S.	Cu. SW	
18	E	1	ESE	1	S	1	SW	2	S	1	SSE	0	10	A.-Cu.	S.-Cu. SE	10	A.-Cu.	Cu. SW	
19	SE	1	SSE	0	SSE	1	W	1	S	1	Calm	----	3	A.-Cu. S	Cu.	7	A.-Cu.	Cu. WNW	
20	SSE	0	S	1	SE	1	WNW	1	SW	0	SE	1	10	Ci.-S.	N. SSW	4	Ci.-S.	Cu.	
21	E	0	ESE	1	SSE	1	SSW	1	S	1	ESE	1	4	Ci.-S.	S.-Cu.	7	Ci.	Cu. SW	
22	E	1	SE	1	SSE	2	SSW	2	S	1	SSE	1	7	A.-Cu.NNE	S.-Cu.	7	Ci. NNE	Cu. SSW	
23	E	0	ESE	0	SSE	1	SW	2	SSW	1	SE	1	4	Ci.-S.	Cu.	6	Ci. NNE	Cu. SSW	
24	ESE	1	ESE	1	S	1	SW	1	SSW	0	SSE	1	5	Ci. NNE	Cu.	7	Ci.	Cu. SSW	
25	SE	1	ESE	1	SSE	1	SW	2	Calm	----	S	1	3	Ci.	S.-Cu.	8	Ci.-S.	Cu. SSW	
26	Calm	----	ESE	1	SE	2	S	2	SSW	1	SE	0	4	Ci.	Cu.	7	A.-Cu.	Cu. SSW	
27	SSE	1	SE	1	S	1	SSW	2	SSW	1	SSW	0	3	Ci.	Cu.	7	Ci.	Cu. SSW	
28	SSE	1	SSE	1	SSE	3	SSE	2	SSE	1	SSE	2	10	Ci.-S.	N. S	10	A.-Cu.	N. SSW	
29	SSE	4	SSE	4	SSW	4	S	2	SSE	2	SSE	4	10	A.-Cu.	cu.-N. SSW	10	A.-Cu.	N. SSW	
30	SSE	2	S	3	S	3	S	2	SSE	2	SSE	2	10	----------	N. S	10	----------	N. S	
31	SSE	2	S	2	SSE	2	SSE	2	S	1	Calm	----	10	----------	N. SSW	10	A.-Cu.	Cu.-N. S	
Mean	------	1.1	------	1.1	------	1.6	------	1.8	------	1.1	------	1	6.2	----------	----------	7.8	----------	----------	

VIGAN.

[$\phi = 17° 34'$ N; $\lambda = 120° 23'$ E; barometer above sea, 14.7 meters; gravity correction not applied, —1.61 mm.]

SEPTEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	52.51	52.58	53.53	51.88	52.13	53.28	24.5	25	26	26.2	25.3	24.5	27.7	23.2	97	93	90	93	93	97	7.2
2	52.71	52.96	53.56	52.11	52.81	53.96	24	24.7	27.2	29.5	24.7	24.5	29.7	23.4	95	91	84	79	94	96	76.2
3	53.49	53.49	53.74	52.46	53.33	54.31	24.8	24.5	29	27.9	24.8	24.3	30.6	23	90	98	74	83	99	96	51.4
4	52.81	53.66	54.65	53.10	54.18	55.26	24	24.3	29.5	28.5	28.2	26.4	31.2	23.2	97	97	78	83	83	84	------
5	53.78	54.81	55.94	54.98	56.53	58.25	25.1	25	30.5	30.3	28	26.2	31.8	23.8	91	89	67	74	86	94	.8
6	57.16	57.76	58.49	57.17	58.15	59.49	25.5	25	29.8	29.5	28	27	31.2	24.2	94	95	75	76	86	96	------
7	58.26	58.14	57.97	56.66	56.38	56.57	25.5	25	30.3	30.5	29.4	27.5	32.1	24.2	96	96	76	80	82	88	------
8	56.12	56.86	57.35	56.13	57.31	57.40	27	26.2	30	29	25	24.9	31.2	23.7	84	92	78	83	98	94	17.9
9	56.67	56.75	57.89	56.47	57.02	58.38	24	24.5	28	30	27.5	26	30.3	23.5	97	95	80	80	86	94	13.7
10	57.15	57.04	57.99	56.02	56.12	57.53	24.2	24.3	28.5	29.2	27	25.5	30.2	23	98	99	81	80	88	94	2.8
11	56.35	56.26	56.85	55.02	55.25	56.48	25	24.8	29.5	29.5	26.6	25.7	30.2	24	93	91	75	79	91	97	2.6
12	55.95	55.91	56.79	55.90	55.32	56.73	24.2	24.8	28.7	26.5	26.8	25.3	29.9	23	93	89	78	96	91	98	24.9
13	55.54	55.65	56.59	54.38	54.76	56.15	24.8	24.9	29	30	27.5	25	30.6	23.4	96	91	76	80	88	97	16.3
14	54.47	54.17	54.77	52.69	52.61	53.66	24.5	23.8	28.5	29.8	27.2	25.2	30.8	23.2	94	98	83	77	94	100	38.6
15	51.90	51.42	51.47	49.44	49.44	50.59	24.6	24.8	26.5	28.3	28	27.9	29.3	23.8	97	99	94	86	83	82	38.2
16	49.38	50.17	51.51	50.80	51.20	51.70	27.4	27.2	27	28.3	26.5	25.5	28.4	24.5	81	87	90	80	92	96	22.5
17	51.74	52.53	54.19	53.66	54.09	55.59	26.5	25.5	27	27.5	26.2	25	29.1	23.7	88	93	92	88	93	96	32.3
18	54.60	55.21	56.04	54.34	54.87	56.64	24.8	24.7	28.2	30	27.8	24.8	30.4	23.5	93	94	85	77	86	96	16.1
19	54.96	54.66	55.53	53.71	54.31	56.04	24.2	23.8	29.1	28.4	25	24	30.3	23	98	97	75	83	96	98	28
20	54.16	54.38	55.64	54.08	54.89	56.76	24.2	24	29	30	27.8	26.4	30.5	23.2	98	96	75	78	86	93	5.9
21	55.24	56.05	57.63	56.11	57.44	57.52	24.8	24.5	27	27.2	24.5	24.4	28.6	22.7	93	100	88	90	96	90	26.7
22	56.70	57.81	59.64	57.57	58.25	59.97	24.8	24	25.7	28.6	26.6	25.5	29.2	23.2	83	95	90	76	87	89	1.8
23	59.30	59.40	60.52	58.45	58.89	60.27	24.5	24	30.5	30.2	28	25	31.2	23.2	87	90	72	75	85	98	11.9
24	58.30	58.99	59.54	57.62	58.33	59.15	25	24.4	30.4	30.5	26.3	25	31.7	23.5	88	97	69	75	96	99	2.6
25	58.04	57.96	59.05	56.84	57.70	58.61	24.5	24	29.2	27.2	26.8	26	32.2	23	96	93	78	94	90	88	24.1
26	57.87	57.17	57.96	55.98	55.89	57.14	24.2	23.7	28	30.2	27.3	25	30.7	22.6	90	94	79	74	87	93	2.3
27	55.62	55.27	56.11	53.29	53.13	52.75	24.4	24.2	25.5	27	24.3	26	27.4	22.1	94	94	96	88	97	90	74.2
28	51.71	51.91	53.60	53.08	54.36	55.36	24.1	25.2	26.5	25.5	27	26.3	28.5	22.1	98	94	92	98	86	92	9.5
29	55.21	55.69	56.19	55.12	55.79	56.90	25.3	24.5	27.7	29	26.7	25.2	29.3	23.8	93	98	80	79	92	96	------
30	56.34	55.91	56.93	55.64	56.18	57.82	24.3	23.5	29	29	26.7	24.7	30.2	22.8	97	97	74	72	86	96	4.8
Mean	55.13	55.35	56.26	54.69	55.22	56.34	24.8	24.6	28.4	28.8	26.7	25.5	30.2	23.3	93	94.4	80.8	81.9	89.9	93.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	553.3

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	SE	0	SE	1	SSE	2	S	2	S	1	SSE	1	9	A.-Cu. SSW	Cu.-N. S	10	A.-Cu.	Cu.-N. S
2	SSE	1	SSE	1	SSW	2	SSW	1	NNW	1	SE	0	10	A.-Cu.	Cu.-N. S	9	A.-Cu. NE	S.-Cu.
3	ESE	1	ENE	1	NNW	2	NNE	2	NNE	1	Calm	----	9	A.-Cu.	S.-Cu.	9	A.-Cu.	Cu.-N. NE
4	Calm	----	SE	0	SSE	1	SSE	2	S	2	SSE	1	8	A.-Cu. S	S.-Cu.	7	A.-Cu.	Cu. SE
5	SE	1	SSE	1	SSE	1	SSW	2	SE	1	S	1	2	Ci.	Cu.	7	Ci.	Cu. SSW
6	Calm	----	SSE	0	Calm	----	W	1	NW	0	Calm	----	1	Ci.	Cu.	8	A.-Cu.	Cu. NNW
7	Calm	----	Calm	----	W	1	WNW	2	Calm	----	N	1	2	Ci.	Cu.	6	Ci.	Cu. NW
8	Calm	----	S	0	S	1	SSW	2	SE	1	ESE	1	6	A.-Cu. NE	S.-Cu.	9	A.-Cu. NE	Cu. SW
9	Calm	----	SSE	0	SE	1	S	1	SSW	1	S	1	8	A.-Cu.	S.-Cu.	8	Ci.-S.	Cu. SSW
10	E	2	Calm	----	SSW	1	SW	2	SSE	1	E	0	9	Ci.-S. NE	Cu. SSW	8	Ci.-S.	Cu. SSW
11	ESE	0	ESE	0	S	1	SSW	1	SSW	0	SSE	1	8	Ci.-S.	Cu.	7	Ci.-S.	Cu. SSW
12	ESE	0	SE	1	SSE	2	SW	1	SE	1	SE	1	9	Ci.-S.	Cu. SSW	10	Ci.-S.	N. SSW
13	SE	1	SSE	1	SSW	2	SSW	2	Calm	----	SE	1	8	A.-Cu.	S.-Cu. SSW	7	Ci.-S.	Cu. SSW
14	ESE	1	Calm	----	Calm	----	NW	1	Calm	----	NNE	1	4	Ci. NNE	Cu.	7	A.-Cu. NNE	Cu. NNW
15	Calm	----	Calm	----	NE	1	NNE	3	N	2	NW	5	10	A.-Cu.	cu.-N. NNW	10	----------	N. N
16	WNW	2	WNW	2	WNW	2	W	2	SSW	2	SSW	1	10	----------	N. WNW	10	A.-Cu.	Cu.-N. W
17	SSW	2	SSE	2	SSE	2	SSE	2	SSE	2	SE	1	10	Ci.-S.	cu.-N. SSW	8	A.-Cu. SW	Cu. SSW
18	SE	1	ESE	1	SSE	2	SSW	2	Calm	----	SE	1	9	A.-Cu.	Cu.-N. S	7	A.-Cu.	Cu. SSW
19	NE	1	E	1	SSW	1	SW	1	Calm	----	SSE	1	4	A.-Cu.	S.-Cu.	10	Ci.-S.	cu.-N.SSW
20	Calm	----	E	1	S	1	SSW	2	S	1	SSE	1	9	Ci.-S.	S.-Cu. SSE	8	Ci.-S.	Cu. SW
21	Calm	----	NNE	1	SSW	1	S	1	SSW	1	Calm	----	10	Ci.-S.	Cu.-N. S	10	Ci.-S.	Cu.-N.
22	E	1	ESE	0	SE	1	SE	1	SE	1	E	1	10	A.-Cu.	Cu.-N. SSW	10	A.-Cu.	cu.-N.SSW
23	ESE	1	ESE	1	SSE	1	SW	1	NW	1	NNE	1	1	Ci.	Cu.	4	A.-Cu.	Cu. WSW
24	SSE	1	E	1	ESE	1	WNW	1	SSE	1	Calm	----	2	A.-Cu.	Cu.	6	Ci.	Cu. WNW
25	Calm	----	Calm	----	SSW	1	NE	2	NNW	1	N	2	4	Ci.-S.	Cu.	10	----------	N.
26	N	2	NE	1	NNE	2	N	2	N	1	NNE	2	7	Ci.	Cu. NE	8	A.-Cu.	Cu. NE
27	NNE	1	NNE	1	E	2	NE	4	N	3	NNW	5	10	Ci.-S.	Cu.-N.	10	A.-Cu.	Cu.-N. N
28	NNW	5	NW	5	NW	3	WNW	4	NNW	3	WNW	2	10	----------	N. NW	10	----------	N. WNW
29	W	2	SSE	1	SSW	1	SW	1	Calm	----	S	0	10	A.-Cu.	Cu.-N. SW	10	Ci.-S.	Cu.-N.SW
30	Calm	----	ESE	0	SW	1	SW	2	NNW	1	Calm	----	5	Ci.-Cu.NW	S.-Cu.	8	A.-Cu.	Cu. SW
Mean	------	0.9	------	0.8	------	1.3	------	1.8	------	1	------	1.1	7.1	----------	----------	8.4	----------	----------

VIGAN.

[$\phi = 17°\ 34'$ N; $\lambda = 120°\ 23'$ E; barometer above sea, 14.7 meters; gravity correction not applied, —1.61 mm.]

OCTOBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.29	57.37	57.94	56.64	57.64	59.09	24.5	23.7	28.5	29.3	25.5	25.2	30	23	96	97	78	76	91	94	81.3
2	58.48	58.87	59.47	57.79	58.26	58.81	23	23.2	28.1	29	26.7	25.2	29.7	22.3	100	98	78	76	90	97	14.9
3	58.01	58	59	57.54	57.97	58.71	24.5	24	23.5	25	24.9	24.7	26.5	22.8	96	96	99	96	95	94	73.6
4	57.92	58.56	59.11	56.89	56.93	58.19	24.6	23.6	29	30	27.2	25	31	23	91	97	81	70	90	96	------
5	57.44	58.21	59.23	57.19	57.46	58.30	24.2	23.4	30.5	30.3	28	26	31	22.4	98	90	71	68	85	84	------
6	57.75	57.90	59.19	57.07	58.14	59.24	24.9	23.7	29.8	30	27.2	25.5	30.8	22.8	91	98	74	77	88	98	------
7	58.92	59.25	60.62	58.52	58.08	59.51	24.6	23.7	29.1	30.5	28.3	25.8	31.1	23	95	95	82	73	88	96	------
8	58.44	59.31	59.89	57.43	57.16	58.36	24.8	25	28	28.4	26.5	25.5	30.2	23.3	98	88	85	82	94	92	7.1
9	57.91	57.18	57.84	55.64	55.82	56.80	24.7	25.3	28.5	28.5	25.7	25	29.2	23.4	96	89	81	83	96	100	6.9
10	55.84	55.96	56.96	54.91	54.53	54.39	25	25	27.6	26	24.7	24.3	28.2	23.5	96	96	83	92	97	100	19
11	53.62	54.19	56.14	54.30	54.26	57.16	24.3	24.8	28.4	28.3	26.6	24.3	29.8	23.3	100	89	80	87	93	100	9.1
12	57.27	57.12	58.67	56.94	58.03	59.36	24.2	23.7	26.8	28.2	26.8	25.3	28.8	23	100	100	91	85	94	100	4.4
13	57.80	58.06	59.15	56.92	56.94	57.44	24	23.8	29.2	29.7	28.5	26.1	31.4	22.7	96	99	78	78	85	95	------
14	57.09	57.34	57.82	55.56	56.25	57.89	25.3	24.6	31	31.4	29	26.4	32.5	23.7	91	97	71	70	84	95	------
15	57.01	56.62	56.52	55.07	56.63	57.08	24.2	24.5	31.8	30.7	27.4	25.5	33.6	23.3	98	97	61	78	89	98	------
16	56.80	57.06	57.71	55.38	56.52	57.74	25	26.7	31.5	32	28.2	27	33.1	24.1	90	68	54	57	52	49	------
17	56.50	57.01	57.90	55.79	55.69	56.90	26.8	26.9	27.9	28.5	26.8	25.3	29.5	24.2	61	58	63	69	74	83	------
18	56.09	56.94	59.35	58.09	59.29	60.94	27.2	26	29.3	29.8	25.3	24.8	31.2	23.8	72	80	78	79	95	98	6.1
19	59.47	60.11	60.94	58.87	59.12	60.34	24	23.7	28.2	31	27	25	32	23	100	98	84	69	88	86	------
20	59.31	60.02	60.18	57.39	58.09	59.85	25	22.9	29.9	30.8	26.8	27.2	32.2	22.2	76	88	65	65	71	63	------
21	58.99	59.70	60.09	58.67	59.82	60.30	25	23	30.5	29.8	27.3	25.2	32.1	22.1	76	87	68	71	86	96	------
22	59	59.20	59.91	57.48	57.95	59.53	24.8	24	31	31.7	27.5	26.5	32.7	23	89	91	71	66	91	92	------
23	58.16	58.84	59.34	57.52	58.02	59.27	24.7	25.5	32.1	31.2	26.7	26.8	32.7	23.7	96	86	66	69	94	90	------
24	58.24	58.70	59.55	57.22	57.64	58.75	25	23.5	30	31	27.8	25.7	32.2	22.7	92	97	76	75	86	82	------
25	57.70	58.24	58.73	56.69	57.12	58.21	24.4	23.3	31.3	31	27.7	24.6	32	22.5	94	97	57	64	83	87	------
26	56.74	56.59	57.74	55.66	55.75	56.09	24.6	23.2	29.3	29.7	25.2	24.5	31.5	22.3	82	85	72	78	98	97	3.8
27	52.61	49.28	50.62	51.32	54.63	57.31	25	25.8	25.5	25	25.5	24.7	26.5	23.2	96	88	97	100	94	98	113.8
28	56.86	57.47	59.29	57.74	58.71	59.93	25.7	26.8	29	28.7	26.5	25.6	30	23.5	94	86	83	81	90	95	28.7
29	58.50	58.69	59.66	58.28	58.89	59.89	24.7	24.5	28.5	28.3	26.3	25.2	29.6	23.5	97	100	83	85	94	97	3.6
30	58.49	59.56	60.40	58.97	60.04	61.02	24.3	24.2	29	30	26.6	25.7	30.9	23.2	96	97	82	82	93	98	------
31	60.17	60.99	61.42	59.60	60.03	60.82	25	24	29	29.6	26.5	26	30.2	23.2	98	97	78	83	92	98	------
Mean	57.56	57.82	58.72	56.87	57.46	58.62	24.8	24.4	29.1	29.5	26.8	25.5	30.7	23.1	92	91.3	76.5	76.9	88.4	91.9	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	372.3

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	Calm	----	ENE	1	SSW	1	SW	1	S	1	ESE	1	8	A.-Cu.	Cu. SW	8	A.-Cu.	Cu. SW	
2	SSE	2	ESE	1	SE	1	SSE	1	Calm	----	Calm	----	10	A.-Cu. SSE	Cu.-N.	9	A.-Cu. SSE	Cu.	
3	SSE	1	SE	2	SSW	1	SSW	3	SSE	1	SE	1	10	----------	N. SSW	10	----------	N. SSW	
4	ESE	2	Calm	----	W	1	NNW	1	N	1	Calm	----	8	A.-Cu. S	S.-Cu.	3	Ci.	Cu.	
5	Calm	----	ESE	1	NW	1	NW	1	Calm	----	ESE	1	0	----------	Cu.	2	Ci.	Cu.	
6	Calm	----	Calm	----	SW	1	W	1	ENE	1	NE	1	4	Ci.	Cu.	7	A.-Cu.	Cu. SW	
7	ENE	1	Calm	----	NNW	1	NNW	2	Calm	----	ESE	1	3	Ci.	Cu.	4	Ci.	Cu. NE	
8	NE	1	ESE	1	ENE	1	NW	1	N	3	NNE	2	9	Ci.-S.	Cu. NE	7	Ci.-S.	Cu. NW	
9	NNE	1	NNE	2	NNE	2	NNE	4	NNE	2	NNE	2	9	Ci.-S.	Cu.-N.	8	Ci.-S.	Cu. N	
10	NE	1	NNE	2	NNE	4	NNW	2	N	1	E	2	10	A.-Cu.	Cu.-N. N	10	A.-Cu.	Cu.-N. NW	
11	S	2	SE	1	SSE	1	NE	1	N	1	SE	1	10	Ci.-S.	Cu.-N.	8	A.-Cu.	Cu.-N.NE	
12	Calm	----	S	1	WSW	1	SSW	1	Calm	----	Calm	----	10	Ci.-S.	Cu.-N. S	10	A.-Cu.	Cu.-N. SW	
13	E	1	Calm	----	WNW	1	NW	1	Calm	----	SSW	0	7	A.-Cu. ESE	S.-Cu.	8	A.-Cu.	Cu. NNE	
14	Calm	----	Calm	----	NW	1	NNE	2	NNE	1	SW	1	3	Ci.-S.	Cu. NE	5	Ci.-S.	Cu. NE	
15	NNW	1	NNE	1	NNE	2	SSW	2	Calm	----	SSW	1	1	Ci.	Cu.	2	Ci.	Cu. NE	
16	NE	1	NE	2	NE	2	NNE	1	ENE	1	NE	2	2	Ci.-S.	Cu.	4	Ci.	Cu. NE	
17	NE	4	NE	3	NE	2	NE	2	NE	3	NE	2	10	A.-Cu.	S.-Cu. NE	10	A.-Cu.	S.-Cu. NE	
18	NE	2	SW	1	SSW	2	NW	1	NNE	1	Calm	----	8	A.-Cu.	S.-Cu. SE	10	A.-Cu.	cu.-N. NW	
19	E	1	Calm	----	NNW	1	NNW	1	Calm	----	Calm	----	8	A.-Cu. SE	S.-Cu.	4	A.-Cu.	Cu. NW	
20	NNE	1	Calm	----	N	2	NNE	2	NNE	1	NE	1	0	----------	----------	0	Ci.	Fr.-Cu.	
21	NNE	1	NNE	1	N	1	S	1	SSE	1	N	1	1	A.-Cu.	S.-Cu.	4	A.-Cu. ESE	Cu.	
22	N	1	SE	1	NW	1	NNW	1	S	1	NNE	1	0	----------	S.	2	Ci.-S.	Cu.	
23	SW	1	E	1	NNW	1	NNW	2	NNE	1	ESE	1	0	----------	S.-Cu.	4	A.-Cu.	Cu. NE	
24	SSE	1	ESE	0	NNW	1	WNW	1	Calm	----	Calm	----	1	----------	S.-Cu.	5	----------	Cu. NE	
25	NNW	1	Calm	----	NE	1	NE	2	NNE	1	N	1	0	----------	S.	2	Ci.-S.	Cu.	
26	N	1	N	1	N	2	NNE	2	NNE	1	NW	1	4	Ci. E	Cu.	10	Ci.-S.	Cu.-N.NE	
27	NNE	2	NW	4	SSW	4	SSW	7	SSW	7	S	5	10	----------	cu.-N.NNW	10	----------	N. SSW	
28	SSE	4	S	2	SSW	4	SW	2	S	1	S	1	7	Ci.-S.	Cu.-N. S	7	A.-Cu. SSW	Cu.	
29	SE	1	ESE	1	S	1	NW	1	NW	1	Calm	----	9	A.-Cu.	Cu.-N. SW	7	A.-Cu. SE	Cu.-N. W	
30	E	0	Calm	----	NW	1	NNW	2	NNW	1	Calm	----	7	A.-Cu. SSW	Cu. SE	7	A.-Cu.	Cu. WNW	
31	Calm	----	ENE	0	NNW	1	NNW	2	NNW	1	NE	0	3	----------	Cu.	7	----------	Cu. NNW	
Mean	------	1.1	------	1	------	1.5	------	1.7	------	1.1	------	1	5.5	----------	----------	6.3	----------	----------	

VIGAN.

[ϕ=17° 34′ N; λ=120° 23′ E; barometer above sea, 14.7 meters; gravity correction not applied, —1.61 mm.]

NOVEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.64	59.66	60.83	58.44	58.82	60.05	24.8	24.3	30.8	30.5	27.7	26.3	31.3	23.6	96	97	65	78	92	98	------
2	58.59	59.35	59.86	57.68	58.59	59.30	26.2	24.7	30.2	30.6	27.7	26	31.3	23.5	97	94	81	77	91	98	------
3	58.31	58.95	59.69	57.72	58.31	59.61	24.4	24.5	30.1	30.7	27	26.1	31.8	23.6	99	89	69	72	90	95	------
4	58.94	59.62	59.58	57.84	59.04	59.94	25	24.5	30.4	30.4	27.7	26	31.7	23.7	96	96	72	73	87	96	------
5	58.91	59.86	60.42	58.44	59.37	59.76	25	24.5	30.8	30.8	27	25	31.3	23.3	96	96	69	73	94	93	------
6	59.14	59.43	60.14	57.57	57.79	59.02	22.8	23	31.2	31.2	28.5	28.4	32.2	21.7	89	93	55	54	54	58	------
7	57.97	58.82	59.51	57.37	58.59	60.08	28.3	27.5	31.2	32.5	27.2	26.2	32.9	25.2	62	73	61	59	92	81	------
8	59.79	61.02	61.49	58.72	59.69	60.62	24.5	24.3	31.5	31.2	27.3	25	33.3	23.3	92	95	66	73	92	92	------
9	59.64	59.77	59.92	57.71	58.49	59.51	24	25.3	31.7	31.2	28.6	25.3	32.8	23.3	95	81	59	68	69	85	------
10	58.74	59.50	59.85	57.49	58.06	59.57	24	22.5	31	31	28	26.5	32	21.8	90	97	65	74	78	76	------
11	59.40	60.35	60.67	58.61	59.35	60.44	24	23.5	30.7	30.5	27.5	26.5	33.2	22.1	96	98	67	75	91	79	------
12	59.93	60.45	60.84	58.71	59.09	59.79	25.8	22.8	30.8	30.8	27.2	25.4	32.2	21.9	78	90	67	67	84	90	------
13	58.79	59.24	59.54	57.67	58.52	59.19	24.8	23	29.7	30.2	27.7	25.9	32	22.2	89	98	77	73	89	94	------
14	58.79	58.49	59.62	57.90	58.17	59.01	23.5	23.7	29.7	30.4	27.2	26.6	31.9	22.4	96	94	77	76	87	80	------
15	58.77	60.12	60.40	58.05	59.25	59.64	22.8	23	29.7	32	28	24.5	32.7	21.8	89	90	71	60	68	82	------
16	58.67	59.55	59.98	57.97	58.55	59.60	23	23.5	30.8	30.7	27.5	25.5	32.2	22.2	93	91	68	75	92	94	------
17	58.65	58.37	59.72	57.62	58.63	59.39	23.5	23.7	31.5	30.7	27.2	26	32.2	22.1	97	94	72	70	88	94	------
18	58.23	58.77	59.74	57.59	58.29	58.95	24.5	24	30.7	29.7	27.2	26	31.8	22.8	98	95	74	78	95	94	------
19	58.11	59.09	59.83	57.35	57.95	59.10	24.8	24	30	30.5	27	24	31.3	23	98	98	76	81	95	100	------
20	58.96	59.26	59.66	57.34	58.47	59.16	24.2	24	27.7	28.7	25.3	23.8	29.3	22.3	94	94	79	81	89	93	------
21	58.22	58.66	59.74	57.48	58.10	58.97	23	22	27.5	27.8	25.5	22.1	29	20.6	91	96	92	78	81	95	------
22	58.38	59.15	59.65	57.34	58.60	59.92	20	19.5	27.5	27.7	24.4	22	29.2	18.7	96	95	70	76	87	94	------
23	58.60	59.73	59.89	57.90	57.23	58.46	21	21	27.8	29.5	25	23	29.9	19	94	91	74	68	96	91	------
24	57.86	58.16	58.76	56.74	57.46	58.16	21.6	21	28.7	29.7	26.5	25.2	30.7	20	96	95	69	71	75	74	------
25	57.21	57.11	56.59	54.13	54.13	55.11	24	22.7	30.8	32.4	29.5	25.2	32.8	21.8	77	82	60	58	64	92	------
26	54.50	55.66	57.09	55.58	56.83	58.78	26.5	26.3	28.8	30.2	27.2	26	31.8	24.2	90	94	86	75	92	96	------
27	58.51	59.31	59.84	57.69	57.58	58.34	24.8	24	30.5	30	27	26.3	31.7	23	96	96	72	78	94	93	------
28	57.49	58.54	59.34	57.03	56.73	57.36	24.6	24	29.8	29.7	27.3	26.2	31.2	22.8	100	86	81	77	90	92	------
29	56.66	56.41	57.38	55.94	56.68	57.18	25	26.8	31	31.2	27.4	26.5	33.4	24.2	96	74	61	60	89	88	0.2
30	56.03	56.65	58.09	56.76	57.74	58.96	27.2	25	26.5	27	25.8	23.5	28	22.8	74	94	94	86	93	100	.1
Mean	58.38	58.97	59.59	57.48	58.14	59.10	24.3	23.8	30	30.3	27.1	25.4	31.6	22.4	91.7	91.9	71.6	72.1	85.9	89.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	0.3

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	Calm	----	ESE	1	SSW	1	NW	1	NW	1	E	1	2	Ci.	Cu.	7	----------	Cu. ESE
2	ENE	1	E	1	NW	1	WNW	2	NNW	1	E	1	1	----------	Cu.	7	Ci.	Cu. NW
3	E	1	ESE	1	Calm	----	NW	2	NNE	1	Calm	----	1	Ci.	Cu.	6	Ci. NE	Cu.
4	Calm	----	Calm	----	NNE	1	NNW	2	NNW	1	E	1	2	Ci.	S.-Cu.	2	----------	Cu. NNW
5	SE	1	ESE	1	SSE	1	NNW	2	Calm	----	ESE	1	2	Ci.	S.-Cu.	6	A.-Cu. ESE	Cu. NNW
6	ESE	1	NNE	0	NE	2	NE	2	NE	2	NE	2	8	Ci.	S.-Cu.	6	Ci.	Cu.
7	NE	2	ENE	2	ENE	2	ENE	2	NNE	1	NE	1	9	A.-Cu.	S.-Cu.	8	Ci. SSW	Cu.
8	Calm	----	S	1	W	1	NNW	1	S	1	NW	1	2	----------	Cu.	2	A.-Cu.	Cu. NE
9	WNW	1	NNE	1	NE	1	NE	2	NE	1	NE	1	8	A.-Cu. ENE	S.-Cu.	3	----------	Cu. E
10	NE	1	Calm	----	Calm	----	NNW	2	NNE	1	NE	2	1	----------	Cu.	3	Ci.	Cu. E
11	NNE	1	N	0	NNW	1	NNW	1	SSE	1	Calm	----	3	A.-Cu.	Cu.	7	Ci.	Cu. ESE
12	Calm	----	Calm	----	WNW	1	WNW	1	W	1	SSE	1	1	----------	S.-Cu.	1	----------	Cu.
13	Calm	----	Calm	----	WNW	1	WNW	1	Calm	----	SSE	1	0	----------	Cu.	2	----------	Cu. NNE
14	NE	1	E	1	WNW	1	NNW	2	Calm	----	NW	1	2	A.-Cu.	S.-Cu.	5	----------	Cu. NNE
15	N	1	NNE	1	NNW	2	NW	2	N	2	NE	1	2	A.-Cu.	S.-Cu.	3	A.-Cu. ESE	Cu.
16	SW	1	NW	1	NNW	1	NNW	2	SSE	1	NW	1	4	A.-Cu. ESE	S.-Cu.	2	----------	Cu. NE
17	Calm	----	Calm	----	NNW	1	N	1	SSW	1	Calm	----	1	----------	S.-Cu.	4	A.-Cu. ESE	Cu.
18	ESE	1	ESE	1	NNE	1	NNW	2	Calm	----	Calm	----	2	A.-Cu.	Cu.	8	A.-Cu.	Cu.-N. NNW
19	Calm	----	ESE	1	NW	1	NNW	2	N	2	NNE	1	2	A.-Cu.	Cu.	7	Ci.-S.	cu.-N. NW
20	NNE	2	NE	2	N	2	NNE	3	N	2	N	2	10	Ci.-S.	Cu.-N. NE	6	A.-Cu.	Cu. NE
21	NNE	1	NNE	2	NNE	2	NNE	3	NNE	2	N	2	1	Ci.	----------	1	Ci.	Cu.
22	N	1	NE	1	N	1	N	3	N	2	N	1	1	Ci.	S.-Cu.	1	Ci.	Cu.
23	NNW	1	NNE	1	NE	1	NW	1	Calm	----	Calm	----	1	Ci.	Cu.	1	Ci.	Cu.
24	Calm	----	Calm	----	N	1	NNE	2	NE	1	NE	1	2	Ci.	----------	5	Ci.	Cu. NE
25	NE	1	NE	1	NE	2	ENE	5	NE	3	NE	1	8	Ci.	Cu.	8	A.-Cu. ESE	Cu.
26	SSE	3	SSW	1	WSW	1	NW	2	N	1	NNE	1	8	Ci.-S.	S.-Cu. S	10	A.-Cu. NNE	Cu.
27	NE	1	NE	1	NNE	1	NNW	2	NNW	1	SSE	1	7	----------	S.	4	Ci. SW	Cu.
28	ENE	1	E	1	NW	1	NNW	1	NNW	1	N	2	4	Ci.	Cu. ESE	8	Ci.-S. SSW	Cu.
29	N	3	NE	2	ENE	3	NE	2	NNE	2	NE	1	9	Ci.-S.	S.-Cu. ESE	10	Ci.-S.	Cu.-N. ESE
30	E	1	Calm	----	Calm	----	Calm	----	SSW	1	SSE	1	10	Ci.-S.	S.-Cu.	10	----------	Cu.-N. SSW
Mean	------	0.9	------	0.8	------	1.2	------	1.9	------	1.1	------	1	3.8	----------	----------	5.1	----------	----------

VIGAN.

[$\phi = 17°\ 34'$ N; $\lambda = 120°\ 23'$ E; barometer above sea, 14.7 meters; gravity correction not applied, —1.61 mm.]

DECEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.19	59	59.60	58.17	59.37	60.70	24.7	24	30.5	31	27	25.6	32.5	22.7	91	89	73	72	90	88	------
2	60.55	60.95	61.94	59.17	59.86	60.32	24	24	30.2	29.7	27	25	31.2	23.1	98	97	74	79	92	94	------
3	59.16	60.10	60.30	57.84	58.34	59.51	24	23.7	30	30	26.5	25.5	32.3	22.5	96	98	69	82	96	93	------
4	58.16	58.73	59.31	56.62	57.20	58.18	24	23	29.5	29.6	25.8	23.7	31.7	22.3	91	97	70	74	83	91	------
5	57.03	57.85	59.31	57.50	58.55	59.81	22.7	23	27.5	27.5	24.4	24	28.5	22	94	93	77	78	84	86	------
6	59.04	59.73	60.38	58.40	59.41	61.17	22.9	22.2	28	28	23.6	20.7	29.2	19.3	94	96	75	75	86	94	------
7	60.45	61.10	61.99	59.58	59.70	61.24	20.2	18.9	28	28.5	25.8	24	30.1	17.8	96	96	67	67	61	67	------
8	60.86	61.74	62.59	60.28	60.22	61.74	22	21	29	28.9	26.7	24.5	30	19.2	91	100	71	66	76	78	------
9	61.32	61.06	62.42	60.52	61.35	61.94	20.8	21.8	28.5	30	25.8	25.2	31	20	88	84	64	53	57	64	------
10	61.71	61.81	62.79	60.66	61.22	62.24	24	24	29.5	29.7	26.2	25.5	31.2	22	74	71	52	51	57	58	------
11	61.20	61.36	62.35	60.48	61.05	61.92	25.3	22	29.2	29.4	27	25.7	31.6	21.1	59	78	62	70	84	82	------
12	61.06	61.05	62.39	60.38	60.80	61.74	23.5	22.4	28.5	29.7	26.5	23	31.1	21.5	98	100	75	78	94	100	------
13	61.02	61.30	61.97	60.34	61.42	62.35	24.5	23	30.5	29.5	26	22.8	31.7	21.4	60	70	59	64	84	97	------
14	61.65	62.24	63.12	60.42	61.17	62.03	21.1	21	29.5	29.4	25.5	23	32	20	97	91	66	73	88	96	------
15	61.16	61.88	62.13	59.62	60.09	60.72	21	21	27.5	28.5	26.7	26.2	29.3	19.8	100	96	79	81	90	75	------
16	60.44	61.05	61.99	59.60	60.17	60.62	23.5	22.2	28.7	29.7	25.8	23.3	30.6	21.3	96	96	75	77	89	97	------
17	60.06	60.54	61.80	59.29	60.06	60.72	23.2	23.3	30	29.7	26.4	24.7	31.2	20.2	87	82	65	70	85	92	------
18	60.29	60.12	60.99	58.72	59.05	59.19	23	22.6	30	30	25.8	23	31.4	20.7	96	95	68	77	92	100	------
19	58.03	58.98	59.82	56.94	58.54	59.52	22.2	21.2	27.3	29.3	26.6	22.6	31	20.5	96	96	74	69	83	95	------
20	58.73	59.16	60.15	57.65	58.47	59.92	21.5	21	29.2	28.8	26.2	23	31	20.2	95	95	73	76	85	91	------
21	58.67	59.29	60.51	58.59	59.02	60.27	21	20.8	28.3	29.5	25	22.4	31	19.3	95	94	68	71	85	92	------
22	59.70	60.28	61.56	58.88	59.39	60.99	20.2	19.2	28	30.7	25	23.1	31.5	18.5	96	98	70	58	83	80	------
23	60.63	61.15	62.10	60.22	60.54	62.23	24.3	22.2	29.5	29.5	25.7	22.8	31.5	21.2	69	76	58	64	81	89	------
24	61.06	61.22	62.05	59.42	60.02	62.11	20.8	21	29.5	29.7	27	23	31.4	18.8	88	84	61	64	68	84	------
25	60.91	61.24	62.33	60.09	61.39	62.20	22.8	24	28.7	29.7	27.5	25.4	33.4	21.2	83	72	69	70	66	79	------
26	61.63	61.47	62.72	59.85	60.17	61.98	27.5	26.5	29.7	31.2	28.8	26.9	34.5	23	66	69	63	58	63	67	------
27	60.20	59.89	60.97	59.47	60.43	61.27	23.7	24	29	28.7	26.5	24	30.5	22.6	85	83	71	83	92	96	------
28	60.80	61.66	62.82	61.41	61.99	62.83	23.5	21.2	26.6	25.6	24.5	23	29.7	20.2	87	98	89	87	92	94	------
29	60.96	61.51	62.42	60.34	61.25	62.22	21.9	20.7	29.8	31	27	25	31.3	19.8	92	95	67	65	89	81	------
30	61.10	61.58	62.69	60.59	60.95	62.37	24.7	24.5	29.5	30.8	27.2	25	32.4	22	78	74	70	68	89	99	------
31	61.84	62.08	62.89	60.33	61	62.14	23.5	22	29.3	29.5	25.8	24.5	30.5	21.3	97	98	69	78	89	87	------
Mean	60.25	60.68	61.63	59.40	60.07	61.17	23	22.3	29	29.4	26.2	24.1	31.2	20.8	88.2	89.1	69.1	70.9	82.4	86.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	0

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	SE	1	E	1	NNE	1	NNW	1	NE	1	NNE	1	10	Ci.-S.	S.-Cu.	3	A.-Cu.	Cu.	
2	ESE	0	ESE	1	NNW	2	NNW	2	N	1	E	1	5	Ci.-S.	S.-Cu.	4	Ci.-S.	Cu.	NNE
3	SE	1	E	1	E	1	NNW	2	N	1	NNE	1	9	Ci.-S.	Cu. ESE	8	Ci.	Cu.	NNW
4	NNW	1	ESE	1	NE	1	NE	4	NE	2	NNE	2	7	A.-Cu. NNE	S.-Cu. NE	5	Ci.	Cu.	NE
5	N	4	NNE	3	NNE	3	NNE	5	N	4	N	4	4	Ci. E	S.-Cu.	8	Ci.	Cu.	NNE
6	N	3	NE	1	NNE	2	NNE	3	N	4	N	1	3	Ci.	Cu.	3	Ci. ESE	Cu.	NNE
7	N	1	Calm	----	NW	1	N	3	ESE	2	NNE	1	1	Ci.	Cu.	1	Ci.	Cu.	
8	SSW	2	Calm	----	E	2	NNE	2	NE	4	NNE	2	1	----------	Cu.	7	A.-Cu.	Cu.	NE
9	N	2	N	1	NE	2	NE	3	NE	4	N	2	2	Ci.-S.	S.-Cu.	2	A.-Cu. ESE	Cu.	
10	NNE	2	NE	2	E	2	NE	3	NE	2	N	4	1	----------	Cu. NE	0	----------	Fr.-Cu.	
11	NE	3	N	1	NNW	2	N	1	W	1	SW	1	2	Ci.	S.-Cu.	7	A.-Cu. SE	Cu.	
12	WSW	1	Calm	----	WSW	1	SSW	1	S	1	SW	1	2	Ci.	S.-Cu.	4	Ci.	Cu.	SE
13	ENE	1	E	1	NNE	1	WSW	1	NNE	1	NE	1	1	Ci.	----------	1	Ci.	Cu.	SSW
14	NNE	1	ESE	1	NE	1	NNW	2	N	1	NNE	1	1	Ci.	----------	1	Ci.	Cu.	
15	ENE	1	E	1	N	2	N	3	NNW	1	SE	1	2	A.-Cu.	S.-Cu.	5	Ci.	Cu.	N
16	E	1	Calm	----	NNW	1	NW	2	NNW	1	ENE	1	0	----------	Cu.	4	Ci.	Cu.	NNE
17	ESE	1	SE	2	ESE	1	NW	2	N	1	NNE	1	0	----------	S.-Cu.	1	----------	Cu.	
18	NNE	1	ESE	1	Calm	----	NW	2	NW	1	NNE	1	0	----------	----------	4	Ci.	Cu.	N
19	E	1	E	1	NNW	1	NW	2	Calm	----	NNE	1	9	----------	S.-Cu. NW	5	Ci. S	----------	
20	NNE	1	NE	0	NNE	1	NNE	4	N	2	N	1	3	Ci.	----------	2	Ci.	Cu.	
21	NNE	1	NNE	0	NNE	1	NW	2	NNE	2	NE	2	2	Ci.	S.-Cu.	0	Ci.	Cu.	
22	NNE	1	NE	1	NW	1	NNW	2	N	1	NE	1	0	----------	----------	0	----------	Cu.	
23	NE	2	ESE	2	WNW	1	NNW	2	NNW	1	E	1	1	----------	S.-Cu.	1	Ci.	Cu.	
24	E	1	ENE	1	NNE	1	N	3	NNE	2	N	2	0	----------	S.-Cu.	0	----------	Cu.	
25	N	2	N	1	N	3	N	3	NNE	1	NNW	1	2	----------	S.-Cu.	8	A.-Cu. SE	Cu.	
26	NE	1	NE	2	NE	1	NE	2	NE	1	NE	2	9	A.-Cu. SSW	S.-Cu. SE	9	A.-Cu.	Cu.	SE
27	WSW	1	W	1	SSE	2	SW	2	SW	1	ESE	1	8	----------	S.-Cu. SW	9	A.-Cu. SSW	Cu.	
28	ESE	1	Calm	----	NNW	1	NNE	3	NNE	3	N	3	1	----------	Cu.	8	A.-Cu.	Cu.-N.NNE	
29	Calm	----	Calm	----	NW	1	WNW	1	W	1	SW	1	0	----------	----------	1	----------	Fr.Cu.NNE	
30	WNW	1	Calm	----	W	1	NW	1	Calm	----	Calm	----	1	Ci.	Cu.	2	A.-Cu.	Cu.	
31	Calm	----	Calm	----	NNE	1	NE	4	N	3	NE	1	2	A.-Cu.	S.-Cu.	1	----------	S.-Cu. NE	
Mean	------	1.3	------	0.9	------	1.4	------	2.4	------	1.6	------	1.4	2.9	----------	----------	3.7	----------	----------	

TUGUEGARAO.

[ϕ=17° 36′ N; λ=121° 40′ E; barometer above sea, 23 meters; gravity correction not applied, —1.61 mm.]

JANUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.									Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.54	61.20	62.37	59.59	60.32	61.51	22.3	21.4	26.5	32.2	27.2	22.6	33	21	93	96	85	52	76	93	------
2	60.79	61.69	63.27	60.66	61.42	63.54	22	21.8	25.2	29.6	25.5	22.6	31.3	21	96	98	88	69	93	97	5.8
3	62.65	63.04	64.89	62.04	63.38	64.64	22	21.6	23.5	26.5	22.2	21.1	27.8	20.6	98	98	85	78	93	95	------
4	63.97	64.24	65.07	62.85	63.22	64.03	21	20.8	25.1	27.9	24.1	22.1	30.7	20.5	95	96	88	77	91	97	------
5	63.72	63.65	64.79	61.62	61.67	62.34	21.1	21.4	24	30.1	26	21.6	31.2	20	95	98	91	74	89	91	------
6	62.27	62.85	63.79	61.02	61.77	62.57	19.3	19.5	25	30.9	25.4	21.2	31.9	18.5	89	91	76	51	78	95	------
7	62.50	62.95	63.94	61.92	62.63	63.07	21.6	20.9	25	27.8	22.7	21.6	28.9	20.7	87	95	80	72	94	98	8.9
8	63.03	63.04	63.72	60.58	61.10	61.94	21.1	20.4	23.5	25.4	24.7	21.2	29.7	19.5	99	99	83	82	87	99	------
9	61.16	61.45	61.67	58.60	61.97	62.64	20.6	19.8	26	30.5	21.5	21.1	31.5	19.5	97	96	76	61	89	94	8.1
10	62.12	62.74	64.15	61.71	62.82	63.79	20.4	20.2	22.4	25.2	23	22.2	27.4	19.7	98	98	91	77	94	94	------
11	63.49	63.75	65.19	62.19	62.87	64.14	21.8	20.6	23.5	26.4	24.8	22.2	28.8	20.2	95	97	94	76	82	96	------
12	63.97	64.79	65.40	62.30	63.02	64.48	21.8	20.4	24.6	28.3	25	22.6	30.3	20	94	100	91	70	87	92	------
13	63.25	63.72	64.97	61.27	61.75	64.07	20.8	21.7	26	30	26.4	22.6	32	20.6	98	94	87	69	82	90	------
14	63.78	63.73	64.59	61.77	61.82	63.51	21.2	20.5	27.1	31.8	26.5	22.6	32.7	20	96	97	81	56	76	91	------
15	63.22	63.37	65.12	61.97	61.71	63.61	21.2	20.6	25	29.8	27	22.3	31.6	20.1	97	98	80	66	72	95	------
16	63.57	64	64.92	62.07	62.51	64.26	21.5	20.6	26.4	31	27.2	22.6	32.5	20	97	97	82	65	73	97	------
17	63.34	63.84	65.53	63.32	63.55	64.70	22.4	21	25	29.2	26.1	21.8	29.7	20.4	95	96	85	74	76	96	------
18	63.73	63.72	65.52	62.79	62.37	64.19	21	19.4	25.4	30.3	27	22.6	32	18.7	93	93	79	64	72	91	------
19	63.89	64.48	66.76	63.60	64.09	65.19	21.3	20.6	25	29.9	24.7	20.6	30.8	19	64	96	80	56	75	92	------
20	64.48	64.99	65.99	63.08	62.85	64.09	18.8	19	25	28.6	24.8	21	31.5	17.8	96	96	79	63	83	93	------
21	63.64	63.84	64.87	62.09	62	63.97	19.6	18.3	26.4	29.2	25.7	21.7	31.8	17.5	97	100	76	51	70	83	------
22	63.55	63.40	64.94	61.87	61.96	62.84	20	19	25.8	30.4	26.4	21.6	32.4	18.5	91	95	71	51	58	89	------
23	62.65	63.33	64.75	62.10	61.80	62.94	18.6	16	24.1	30.5	25.5	21	31.8	15.8	96	100	72	51	68	95	------
24	63.02	63.81	64.98	62.26	61.81	63.58	18.5	16.7	25.4	30.3	25	21	31.9	16	92	99	78	55	62	95	------
25	63.37	63.85	65.23	62.20	62.15	63.78	18.7	16.4	26	31	26.5	23.2	32.5	16	95	98	91	66	74	91	------
26	63.40	63.72	65.48	62.92	63.17	65.27	20.8	19	24	27.8	25.3	20.2	29.8	18.2	88	97	83	78	74	89	------
27	65.22	65.74	67.33	64.21	64.45	66.15	19.8?	18.3	23	29	25	21.6	29.3	18	100 ?	100	88	55	77	91	------
28	65.42	65.77	67.22	64.33	64.44	65.78	20.4	20.5	21.2	24	21.7	20.6	26.7	19.5	99	100	95	82	90	90	2.5
29	65.27	65.30	66.64	63.68	65.58	66.23	20	19.8	23	23.7	21.5	20	26.8	19.4	98	98	79	82	88	96	------
30	64.95	65.34	66.66	64.62	65.14	65.80	19.7	19.5	23	23.5	20.7	20.3	25	19	96	97	75	76	90	90	------
31	65.16	65.09	66.08	63.37	63.78	64.75	19.5	19.7	23.4	25.7	22.6	21	28	19	95	95	77	72	87	95	3.3
Mean	63.39	63.76	65.03	62.21	62.68	63.98	20.6	19.9	24.7	28.6	24.8	21.6	30.4	19.2	94.8	97	82.8	66.8	80.6	93.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	28.6

Day.	Wind.										Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	Calm	----	Calm	----	SW	1	SW	1	Calm	----	Calm	----	0	----------	----------	7	----------	Cu. SW
2	Calm	----	N	1	NW	1	NW	1	NW	2	NNW	3	6	----------	N.-cf. NE	6	----------	Cu. N
3	N	3	N	3	NW	4	NW	3	NW	5	NW	3	10	----------	N. N	8	----------	Cu.-N.NW
4	NW	3	NW	2	Calm	----	Calm	----	NW	1	Calm	----	8	----------	Cu.-N.NW	10	----------	Cu.-N.
5	Calm	----	Calm	----	SW	1	Calm	----	Calm	----	Calm	----	10	----------	N. NE	6	----------	Cu. S
6	Calm	----	Calm	----	Calm	----	NW	1	NW	1	NW	1	6	----------	S.-Cu.	6	----------	Fr.-Cu. E
7	NW	3	Calm	----	Calm	----	Calm	----	Calm	----	NNW	1	7	----------	Cu.-N.	8	----------	Cu.-N.
8	N	1	NW	1	Calm	----	NE	1	Calm	----	Calm	----	6	----------	S.-Cu.	8	----------	Cu.-N. S
9	Calm	----	Calm	----	SW	2	SW	3	NW	5	NW	3	4	----------	Fr.-S. S	4	A.-Cu. ssw	Cu. S
10	Calm	----	Calm	----	Calm	----	Calm	----	NW	1	NW	2	10	----------	N.	10	----------	Cu.-N. N
11	N	1	Calm	----	NW	1	NW	1	N	2	N	1	8	----------	S.-Cu. SW	7	----------	Cu.
12	Calm	----	Calm	----	Calm	----	NW	1	Calm	----	NW	1	8	----------	S.-Cu. NE	8	----------	Cu.-N.NW
13	Calm	----	Calm	----	Calm	----	S	1	Calm	----	N	1	7	----------	S.-Cu.	7	----------	Cu. S
14	Calm	----	Calm	----	SE	1	NE	1	N	1	NW	1	0	----------	----------	7	----------	Cu. N
15	Calm	----	Calm	----	SE	1	SE	1	N	1	NW	1	10	----------	S.-Cu.	6	----------	Cu. SE
16	Calm	----	Calm	----	SE	2	Calm	----	NW	2	NW	2	2	----------	S.	2	----------	Fr.-Cu. S
17	Calm	----	Calm	----	Calm	----	NW	1	NW	1	NW	1	7	----------	S.-Cu. W	7	----------	Cu. N
18	Calm	----	Calm	----	Calm	----	SW	1	NE	1	NW	1	3	----------	S.-Cu.	5	----------	Cu. SE
19	NNW	1	N	1	NE	1	N	2	NW	2	N	1	0	----------	----------	4	----------	Cu. NE
20	Calm	----	Calm	----	SW	1	Calm	----	N	1	Calm	----	2	Ci.	----------	8	----------	Cu.
21	Calm	----	Calm	----	SW	1	SW	1	SW	1	SW	1	6	----------	S.-Cu.	5	----------	Fr.-Cu. S
22	Calm	----	Calm	----	S	1	SE	2	SW	1	Calm	----	7	----------	S.-Cu.	6	----------	Cu. SE
23	Calm	----	Calm	----	SW	1	S	2	Calm	----	Calm	----	0	----------	----------	0	----------	----------
24	Calm	----	Calm	----	S	1	S	1	Calm	----	Calm	----	4	----------	S.-Cu.	0	----------	----------
25	Calm	----	Calm	----	Calm	----	SE	1	NW	1	Calm	----	6	----------	S.-Cu.	5	----------	Cu.
26	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	N	1	3	----------	S.-Cu.	8	----------	Cu.
27	Calm	----	Calm	----	SW	1	N	1	NW	1	NW	2	2	----------	S.	3	----------	Fr.-Cu.
28	NW	2	NW	3	NW	2	NW	3	NNW	1	NW	1	10	----------	Cu.-N. N	10	----------	Cu.-N.NW
29	NW	2	NW	1	NW	1	NW	3	NW	3	NW	3	6	----------	S.-Cu.	7	----------	Cu. NE
30	NW	4	NW	4	NNW	3	NW	3	NW	5	NW	4	7	----------	S.-Cu. N	10	Ci.-S.	Cu. N
31	NW	2	NW	3	NW	2	NW	3	NNW	2	NW	4	8	----------	S.-Cu. NW	9	----------	Cu.-N. N
Mean	------	0.7	------	0.6	------	0.9	------	1.3	------	1.3	------	1.3	5.6	----------	----------	6.4	----------	----------

TUGUEGARAO.

[$\phi = 17°\ 36'$ N; $\lambda = 121°\ 40'$ E; barometer above sea, 23 meters; gravity correction not applied, —1.61 mm.]

FEBRUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	63.57	63.66	64.83	62.12	63.59	64.62	20.6	20.2	23.3	26.4	22.1	20.8	27.6	19.5	97	93	97	76	96	98	------
2	63.90	63.85	65.57	63.07	63.32	65.04	20.6	20.2	23.3	26.9	23.4	21.4	28.2	19.7	97	96	85	65	81	87	------
3	64.26	64.45	65.52	62.65	63.42	64.55	20.2	19	24	28.3	23	21.2	29	18.5	93	95	86	63	88	93	------
4	64.29	65.36	66.43	64.52	65.04	66.48	21.2	20	23.5	25.4	21.5	20.4	27	19.5	89	95	92	79	83	89	------
5	66.09	65.99	67.38	64.63	64.92	66.02	20.3	19.6	22.2	23.8	23.2	20.3	27.4	19	89	94	79	85	80	90	------
6	65.08	65.55	66.39	63.52	64.24	65.50	20	18.4	26	28.2	25.2	22.3	31.3	18.4	97	100	69	57	80	83	------
7	65.47	65.74	67.10	64	64.05	65.26	20.7	19.2	23.5	27.5	26.2	21.7	30	18.6	98	88	74	64	67	88	------
8	64.53	64.81	65.33	62.04	62.90	64.02	18.3	17.9	26	30.7	25.5	23.2	32.3	17.5	98	98	78	56	74	86	------
9	63.50	64.07	64.96	61.77	62.32	63.69	21.2	20	26.2	31	26.1	22.3	31.6	19	97	91	82	63	73	96	------
10	63.18	63.30	64.53	61.05	60.57	62.19	21.1	21.6	26.7	29.9	28.1	24.4	32.7	20.6	90	96	75	67	70	82	------
11	62.01	62.02	64.12	60.73	61.42	63.11	22.8	22.2	27.6	31.4	27.1	23.7	33.3	21	94	98	73	65	77	87	------
12	62.97	62.64	63.88	60.74	60.32	62.14	23.2	20.3	25.8	29.2	26.4	21.2	30.1	19.2	84	95	84	67	84	89	------
13	61.02	61.31	62.17	58.90	58.26	60.65	21.5	20	27	32.8	28.7	24.8	33.9	19.6	92	95	70	52	71	83	------
14	60.44	60.87	62.19	58.97	58.80	61.15	23	19.8	27	33	28	23.1	34	19.5	96	97	74	53	71	86	------
15	60.39	60.98	62.28	59.51	59.70	61.77	21.6	20.1	25.6	30.1	27.2	22.8	33	19.6	86	94	79	66	80	89	------
16	61.32	61.46	62.71	59.05	59.05	61.07	21.5	19.4	27.5	33.1	28.4	24.2	34.3	19	92	96	73	54	75	87	------
17	60.43	60.81	62.28	58.84	59.45	61.11	22	21	28.5	33.5	28.5	25.2	35.4	20.7	92	97	74	48	67	90	------
18	60.90	61.87	63.28	61.17	61.07	63.42	23.6	23.2	27.5	30.5	27.2	24.8	32.7	22	88	87	79	56	73	88	------
19	63.25	64.02	65.69	63.06	63.62	65.54	22.4	21.8	26	31.4	24.6	23.2	32.5	20.5	89	89	73	55	68	76	------
20	65.57	65.45	64.42	63.60	63.97	65.61	21.2	20	26	26.8	24.2	22.1	29	19.4	91	94	76	72	82	88	------
21	64.92	64.43	65.34	62.20	61.87	63.51	21.3	21.4	27	29.8	27.1	23.5	32.1	20.6	92	89	68	54	70	89	------
22	62.19	62.27	63.35	60.37	61.71	63.72	23	22	26.6	31.7	23.5	22.1	34	21	87	89	75	55	85	88	------
23	62.87	62.54	63.86	60.60	60.80	61.77	21	20.4	26	33	27.6	24	34	20.2	95	96	77	55	73	86	------
24	61.01	61.34	61.90	58.58	58.50	60.88	22.3	20.5	28.5	34	30.2	24	34.6	20.4	94	95	72	48	62	88	------
25	60.65	61.94	62.87	59.62	59.14	61.15	20.7	18	27.8	33.7	30.2	23.5	35.3	17.6	97	94	59	48	56	90	------
26	60.05	60.98	62.21	59.28	59.47	61.42	20.9	18.8	28	34.4	30.6	23	35.8	18	95	92	65	38	47	90	------
27	60.79	61	61.92	58.68	58.43	60.27	20.2	18.3	27.5	34.6	30.4	23.8	35.7	18	98	97	70	44	55	85	------
28	60.19	60.56	62.01	58.27	58.38	60.72	20.4	18.4	28	34.2	29.8	25.2	36.3	18.2	92	98	70	38	56	78	------
29	60.11	60.26	61.92	58.39	58.34	60.97	22.3	21.5	28.5	35	30.6	22.8	36.2	21.1	96	95	69	33	43	88	------
Mean	62.58	62.88	64.08	61.03	61.26	63.01	21.3	20.1	26.2	30.7	26.7	22.9	32.4	19.5	92.9	94.2	75.8	57.8	72	87.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	0

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	Calm	----	Calm	----	Calm	----	NW	3	N	3	N	1	10	----------	N. N	8	----------	Cu.-N. N	
2	Calm	----	NW	1	NE	1	NE	2	N	2	NE	2	10	----------	Cu.-N. N	7	----------	Cu. N	
3	NE	1	NE	1	NE	1	NW	1	NW	1	NW	3	8	----------	S.-Cu. N	7	----------	Cu. N	
4	N	2	NW	2	NNW	2	NW	3	NW	3	NW	4	10	----------	Cu.-N. N	8	Ci.-S.	Cu. N	
5	NW	3	NW	2	NNW	2	NW	1	N	1	Calm	----	10	----------	N.	8	----------	Cu.-N. N	
6	Calm	----	Calm	----	Calm	----	NE	1	NE	2	NW	2	8	----------	S.-Cu. N	8	----------	Cu.	
7	NW	2	Calm	----	Calm	----	SW	1	SW	2	Calm	----	6	----------	S.-Cu.	7	----------	Cu. S	
8	Calm	----	Calm	----	SW	1	NW	1	N	2	N	2	4	Ci.	S.	6	Ci.	Fr.-Cu. NE	
9	NW	1	Calm	----	Calm	----	Calm	----	NW	2	NW	2	4	Ci.	S.	7	Ci.	Cu. S	
10	Calm	----	S	1	SW	1	SE	1	Calm	----	NNW	2	9	----------	S.-Cu.	7	----------	Cu. S	
11	Calm	----	Calm	----	Calm	----	SW	1	NE	2	NE	1	8	----------	S.-Cu.	7	----------	Cu. W	
12	Calm	----	Calm	----	Calm	----	S	1	Calm	----	Calm	----	8	----------	S.-Cu.	10	----------	Cu.-N. S	
13	Calm	----	Calm	----	SW	2	S	2	SE	2	Calm	----	0	----------	----------	0	----------	----------	
14	Calm	----	Calm	----	Calm	----	S	1	NW	1	NW	1	0	----------	----------	6	----------	Cu.	
15	Calm	----	S	1	Calm	----	Calm	----	Calm	----	Calm	----	6	----------	S.-Cu.	7	----------	Cu. E	
16	Calm	----	Calm	----	S	1	SE	1	Calm	----	NW	1	0	----------	----------	7	----------	Cu. S	
17	Calm	----	Calm	----	SE	1	NW	1	NW	1	NW	2	0	----------	----------	5	----------	Cu. NW	
18	NW	1	NW	2	NW	2	Calm	----	NW	1	NW	2	6	----------	S.-Cu. E	10	----------	Cu.	
19	NNW	1	Calm	----	N	1	Calm	----	NE	1	NW	3	10	----------	S.-Cu.	8	----------	Cu. NE	
20	NW	1	NW	1	SSW	1	NE	1	N	1	SW	1	9	----------	S.-Cu. N	9	----------	Cu.-N.NE	
21	Calm	----	Calm	----	SE	1	S	1	S	2	Calm	----	8	----------	S.-Cu.	8	----------	Cu. S	
22	Calm	----	SW	1	SE	1	S	1	N	2	NE	4	9	----------	S.-Cu.	9	----------	Cu.-N. S	
23	NE	1	Calm	----	SSE	1	S	1	N	1	Calm	----	8	----------	S.-Cu.	6	----------	Cu. S	
24	Calm	----	Calm	----	SE	1	S	2	S	1	Calm	----	4	----------	S.	0	----------	----------	
25	Calm	----	SE	1	S	1	SW	2	Calm	----	NW	1	0	----------	----------	0	----------	----------	
26	Calm	----	S	1	S	1	SSW	1	S	1	NE	1	1	Ci.	----------	0	----------	----------	
27	SE	1	S	1	SE	2	SW	2	SE	1	Calm	----	0	----------	----------	0	----------	----------	
28	Calm	----	Calm	----	N	1	S	1	NE	1	NW	2	0	----------	----------	4	----------	Fr.-Cu. S	
29	Calm	----	Calm	----	SE	2	S	1	SE	1	Calm	----	0	----------	----------	0	----------	----------	
Mean	------	0.5	------	0.5	------	0.9	------	1.2	------	1.3	------	1.3	5.4	----------	----------	5.8	----------	----------	

TUGUEGARAO.

[ϕ=17° 36′ N; λ=121° 40′ E; barometer above sea, 23 meters; gravity correction not applied, —1.61 mm.]

MARCH, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.33	61.68	63.30	59.98	59.50	62.20	20.7	17.5	27.2	34	30.4	24.3	35.8	17	84	91	72	39	45	85	------
2	61.42	62.72	63.75	60.39	60.45	62.51	21.7	18.5	28.8	34	30	24.2	36.2	18.4	97	95	63	45	62	67	------
3	62.23	62.84	64.47	61.39	61.12	62.03	19.2	17.5	27.5	35.2	29	25.8	36.7	17	96	91	56	42	59	83	------
4	61.81	62.36	63.95	61.22	60.45	61.57	22	21.5	28.5	30.1	28	23.2	33.2	20.5	94	88	64	61	68	88	------
5	61.29	61.77	62.72	59.70	59.14	61.28	20.1	19.1	28	34.3	31.4	23.5	86.6	18.5	93	91	65	33	41	83	------
6	61.01	61.79	62.47	59.15	59.35	62.16	21.2	20	29.6	36.2	29.6	26.2	38.2	19.6	95	91	50	31	61	75	------
7	61.79	61.99	63.66	60.43	60.16	62.19	20.6	20	29.5	35.6	31.4	24.3	37.2	20	97	96	58	35	57	82	------
8	61.77	62.54	63.53	60.21	59.89	62.42	21.4	19.4	29.1	35.2	31.4	26.5	37.7	18.6	91	89	52	43	55	76	------
9	61.75	62.63	63.47	60.32	59.58	61.67	24.5	22.4	29.6	35.5	30.5	26	37.1	21.7	87	95	74	44	62	72	------
10	61.27	62.26	62.88	59.33	58.89	61.44	24.5	24	31.6	35.6	31.5	25.7	37.6	23.3	80	83	51	36	54	71	------
11	60.53	60.26	61.21	57.75	57.18	58.74	21.4	19.8	30	34.9	30.4	24.1	36	19.5	95	89	45	38	52	78	------
12	58.44	58.69	59.92	56.58	56.69	58.57	21	20	29.2	34.2	29.5	25.2	34.7	19.2	95	95	63	44	61	85	------
13	57.86	59.18	60.70	57.03	57.70	59.82	22.8	24	29.6	35	29	26.6	36.2	22.2	95	88	64	41	68	74	------
14	59.53	60.39	62	58.93	58.62	60.57	24.2	23.5	26.7	33.2	28	25.6	35.6	22	90	92	80	49	65	81	------
15	59.96	60.46	62.19	58.43	58.42	61.30	22.1	22	30.5	36.6	29.5	25.4	37.5	21.5	96	96	60	40	76	86	4.3
16	60.17	60.82	62.81	59.15	59.07	61.82	24	23.8	27.1	33.1	29	26.1	35.8	23.1	95	95	77	58	67	82	------
17	61.20	61.86	63.55	60.65	60.51	63.02	24.5	24.2	28.5	30.6	27	24.8	32	23.2	90	90	73	59	69	80	1.3
18	62.44	63.39	65.14	62.65	62.97	64.99	22.8	22.4	25	27	23.2	22.6	29.5	20.8	93	88	70	61	73	84	------
19	63.92	64.54	66.05	62.76	62.03	64.21	22.1	21.5	24.1	28.5	26	23.5	31.5	20.8	90	89	74	62	66	79	------
20	63.13	63.04	63.62	60.38	59.85	63.08	21.3	20.1	28.4	34	31	24	36	19.8	98	94	61	47	57	85	------
21	62.44	62.99	64.49	61.34	61.40	63.95	21.8	21	29.6	34.5	31.3	26	37	20.6	97	96	58	38	52	79	------
22	63.22	64.23	65.10	61.80	61.30	63.73	23.3	22.3	30	35.1	31.3	23.5	36.3	21.5	90	90	51	37	65	73	------
23	63.28	63.96	64.23	60.58	59.65	61.77	20.6	18.1	28.1	33.8	31.5	24	35.6	17.5	94	94	58	34	43	75	------
24	61.44	62.80	63.52	60.69	61	63.25	21.1	18.5	28.5	34.4	29.7	25.4	36.5	17.8	88	87	55	44	52	74	------
25	62.92	63.43	64.46	60.95	60.45	63.36	22.6	20.8	29.1	35.4	31.4	26.4	37.7	20.6	94	93	64	36	53	72	------
26	62.51	63.15	63.47	59.72	59.92	63	23	20.8	30.6	35	31.6	23.5	36.5	20.2	91	91	44	32	34	68	------
27	62.19	62.71	63.89	60.63	60	63.03	20	18.2	29.9	35.3	32.1	25	37.1	17.5	92	79	48	29	38	76	------
28	62.47	62.54	63.75	60.06	59.76	62.76	21.6	19.6	29.5	36.2	32.1	26.6	37	19.5	98	96	48	32	41	68	------
29	62.42	62.62	63.92	61.21	60.53	63.16	23.4	19.6	30.3	36.2	32.4	25	38.7	19.4	81	92	53	33	43	76	------
30	62.06	63.12	64.30	61.28	60.90	63.80	22.8	19.4	29.5	35	31.8	25.5	37.6	19.3	77	87	61	39	42	76	------
31	62.84	63.44	64.55	61.14	60.81	63.41	21.5	18.2	29.5	33	30.2	24.4	37	17.9	88	92	49	32	44	73	------
Mean	61.60	62.26	63.45	60.19	59.91	62.28	22.1	20.6	28.8	34.1	30	24.9	36.1	20	91.6	91.1	60	41.7	55.6	77.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	5.6

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	Calm	----	Calm	----	SW	1	SE	1	Calm	----	Calm	----	0	----------	----------	4	----------	Cu. SE
2	Calm	----	Calm	----	SE	2	E	1	Calm	----	Calm	----	0	----------	----------	0	----------	----------
3	Calm	----	WSW	2	S	1	SW	2	SSE	1	Calm	----	0	----------	----------	8	----------	Cu. S
4	Calm	----	Calm	----	SW	1	SE	1	Calm	----	Calm	----	8	----------	S.-Cu. S	1	----------	Cu.-N. SE
5	Calm	----	Calm	----	SE	2	SE	1	Calm	----	NW	1	0	----------	----------	0	----------	----------
6	Calm	----	Calm	----	SE	2	SE	1	NW	1	Calm	----	0	----------	----------	0	----------	----------
7	Calm	----	Calm	----	SE	1	S	1	Calm	----	Calm	----	0	----------	----------	2	----------	Cu.
8	Calm	----	Calm	----	SE	1	S	1	N	1	NW	1	0	----------	----------	4	Ci.-S., A.-Cu.	----------
9	Calm	----	Calm	----	Calm	----	N	1	N	1	Calm	----	6	----------	S.-Cu.	5	----------	Cu.
10	Calm	----	Calm	----	S	1	SE	1	SE	1	Calm	----	7	----------	S.-Cu.	3	----------	Fr.-Cu. S
11	Calm	----	S	1	S	1	NW	1	NE	1	N	1	0	----------	----------	1	----------	Fr.-Cu.
12	N	1	Calm	----	NW	1	N	2	NE	2	NNW	3	8	----------	N. NW	4	----------	Fr.-Cu. N
13	Calm	----	Calm	----	Calm	----	NW	1	N	2	NW	2	8	----------	Fr.-S.	7	----------	Cu. S
14	NNW	1	NW	1	N	1	NW	2	NW	2	N	1	10	----------	S.-Cu. NW	7	----------	Cu. W
15	N	1	Calm	----	S	1	S	1	N	3	Calm	----	4	Ci.	----------	4	----------	Fr.-Cu. E
16	Calm	----	Calm	----	W	1	NE	1	N	1	NE	1	7	----------	S., Cu.-N.	4	----------	Cu. N
17	NE	1	NW	1	NNW	2	N	3	NW	3	NW	2	7	----------	S.-Cu. NE	7	Ci. NE	Cu. N
18	N	1	N	1	N	3	NW	3	N	3	NW	1	10	----------	Cu.-N. N	10	----------	Cu. N
19	NNW	2	N	1	N	1	N	1	NE	1	Calm	----	8	----------	S.-Cu. NE	5	----------	Cu. W
20	Calm	----	Calm	----	SE	1	S	1	Calm	----	Calm	----	6	Ci.	S.	4	----------	Fr.-Cu. SW
21	W	1	Calm	----	SE	1	SE	1	SE	1	NW	1	4	Ci.	Fr.-Cu. S	4	----------	Cu. S
22	Calm	----	Calm	----	S	1	S	1	SE	2	Calm	----	5	----------	S.-Cu. S	4	----------	Fr.-Cu. S
23	Calm	----	Calm	----	S	1	S	3	S	2	Calm	----	0	----------	----------	2	----------	Fr.-Cu.
24	Calm	----	Calm	----	S	1	SE	1	N	2	NW	1	0	----------	----------	5	----------	Fr.-Cu. SE
25	E	1	Calm	----	NE	1	S	2	N	1	NW	1	0	----------	----------	4	----------	Cu. S
26	Calm	----	SE	1	SE	2	S	2	S	1	Calm	----	0	----------	----------	0	----------	----------
27	Calm	----	Calm	----	SE	2	SE	2	S	1	NE	1	0	----------	----------	0	----------	----------
28	S	1	Calm	----	SSE	1	SE	1	SE	2	Calm	----	0	----------	----------	0	----------	----------
29	Calm	----	Calm	----	SE	1	S	1	NE	1	Calm	----	0	----------	----------	4	----------	Fr.-Cu. S
30	Calm	----	Calm	----	SE	1	SE	1	SE	2	N	1	0	----------	----------	6	----------	Cu. E
31	Calm	----	Calm	----	S	1	NE	1	N	1	NW	1	0	----------	----------	4	----------	Cu. SE
Mean	------	0.3	------	0.3	------	1.2	------	1.4	------	1.3	------	0.6	3.2	----------	----------	3.6	----------	----------

TUGUEGARAO.

[ϕ=17° 36′ N; λ=121° 40′ E; barometer above sea, 23 meters; gravity correction not applied, —1.61 mm.]

APRIL, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	62.59	62.82	63.49	60.30	59.60	62.27	21.1	21	29	35.2	30.5	23.8	36.6	19.6	97	95	61	36	46	73	------
2	61.96	62.49	62.94	59.48	59.83	62.45	21.1	19.5	29.8	36	30.2	25.5	37.6	18.8	81	91	52	31	58	88	------
3	61.87	62.27	63.05	59.97	59.35	61.79	24.4	23.1	31.4	36.8	31.5	26.6	38.2	22.6	87	90	47	34	53	72	------
4	61.52	62.14	62.40	58.87	58.43	61.16	23.9	21.1	31.4	35.5	32.4	26	38	20.5	90	91	52	37	43	67	------
5	61.03	61.06	61.63	58.67	58.68	61.37	22.5	20.5	32	37.5	31	27.2	39.6	20	89	88	50	38	49	73	------
6	60.97	61.20	62.50	59.26	59.48	62.02	24.7	24.1	30	35	29	26.2	36.4	23.5	87	86	62	42	55	79	------
7	61.27	61.54	63.02	60.15	59.83	61.98	24.4	24	29.5	33.5	29.6	25.8	36.2	23.1	89	88	68	54	56	74	------
8	61.17	61.42	62.46	59.62	59.38	61.63	24.2	22.6	30.6	34.8	30.5	25.7	36.5	21.5	82	90	62	40	54	73	------
9	61.18	61.29	62.37	58.87	59.76	62.55	24.3	22.6	31	36	31.2	26.3	37.6	22	81	90	57	38	55	76	------
10	62.05	63.17	63.84	60.88	61.41	63.92	25.1	23.5	30.1	35.6	29.5	25.3	36.7	23	83	91	57	37	61	84	------
11	63.32	63.69	64.45	62.08	63.15	65.40	23.4	22	30.5	31.1	27.6	26.1	35	21.5	92	95	58	65	67	76	2.8
12	64.77	64.57	65.37	63.22	63.92	65.91	23.6	22.2	26.5	29.1	26.8	23	30.1	21.2	91	98	76	64	72	91	------
13	65.13	65.09	66.16	62.88	62.44	65.18	21.4	21	29.6	35.7	31	25.3	37.3	20.6	92	96	62	44	58	72	------
14	64.52	64.74	65.11	61.87	61.30	63.46	22.4	20.7	31.5	34	31.2	26	36.3	20.5	82	90	53	51	50	73	------
15	62.69	62.74	63.40	59.92	59.63	62.31	23	20.5	31.2	36	32.4	26.2	38.1	20.2	79	91	50	28	37	79	------
16	61.86	61.81	63.16	59.93	59.80	61.97	23.6	21.4	31.2	35.8	30.1	26	37.8	21.1	87	93	48	35	56	72	------
17	61.58	62.06	62.83	59.47	59.46	62.45	24.5	22.6	31.2	37.5	32.3	26	38.7	22	74	82	48	25	51	69	------
18	61.70	61.94	62.25	59.18	58.71	61.25	23.1	21.5	31.2	36.8	31.7	25.6	38.9	21	85	87	42	27	50	73	------
19	61.15	61.52	61.69	58.86	58.76	61.12	23.7	22.9	31.7	37	31.6	27	39	22.2	84	87	48	33	51	72	------
20	60.28	60.85	62.13	58.99	59.18	61.19	25.3	24	32.1	35.5	33.5	27.5	38.2	23.8	80	86	46	42	48	72	------
21	60.56	60.94	61.53	58.86	58.40	61.15	25.2	23.5	32	36.5	33.5	27.1	38.6	22.4	76	81	49	32	38	68	------
22	60.69	61.42	61.49	58.61	57.89	60.94	23.9	21.6	32	37.5	34	27.2	39.5	21.5	77	87	45	28	43	78	------
23	60.18	60.49	60.63	57.81	57.56	60.12	24.8	23	33	38.4	35	26.5	40.1	22.2	85	84	45	33	42	74	------
24	60.03	60.46	60.44	57.46	57.32	59.91	24.5	21.7	32.5	39.4	33.1	26.6	40.6	20.4	78	85	45	28	45	79	------
25	59.32	59.87	60.25	57.17	57.01	60.22	24.7	23.5	32.3	37.2	33.6	28	39.6	23	82	87	50	36	39	71	------
26	59.31	60.24	61.09	57.61	58.41	60.77	25.2	23.4	32.6	37.5	31	26.8	39	23	71	73	37	25	55	80	------
27	60.94	61.09	62.05	59.25	58.81	61.49	24.8	23	31.5	36	33	26.5	38.8	22.8	84	95	54	38	47	74	------
28	60.72	60.99	61.43	57.66	57.58	60.27	23.9	22.2	32.9	37.2	31.8	27.5	39.5	21.8	80	87	49	34	35	70	------
29	59.36	59.52	59.83	56.45	56.83	59.02	25.8	25	34	40.2	31	27.5	42.2	24.7	80	83	47	39	63	81	------
30	58	58.28	58.70	55.36	55.82	58.62	27.3	26.5	34.5	38.5	32	28	41.3	25.5	84	80	50	38	57	74	4.6
Mean	61.39	61.72	62.39	59.29	59.26	61.80	24	22.5	31.3	36.1	31.4	26.3	38.1	21.9	83.6	88.2	52.3	37.7	51.8	75.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	7.4

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.				
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.		
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*				
1	Calm	----	SSE	1	SE	1	SE	1	N	1	Calm	----	0	----------	----------	2	----------	Fr.-Cu.	S	
2	Calm	----	SE	1	SE	2	SE	1	N	2	Calm	----	0	----------	----------	2	----------	Cu.		
3	Calm	----	Calm	----	SE	1	SE	1	NE	1	SE	1	4	----------	Cu., S.-Cu.	6	----------	Cu.	S	
4	Calm	----	Calm	----	SE	1	SE	1	SE	1	Calm	----	0	----------	----------	6	----------	Cu.	S	
5	Calm	----	Calm	----	SE	1	N	1	N	2	N	2	0	----------	----------	7	----------	Cu.		
6	NE	1	Calm	----	N	1	NE	1	NE	2	N	1	8	----------	S.-Cu.	4	----------	Cu.	N	
7	N	1	Calm	----	NW	1	SE	1	NW	1	NW	1	10	----------	S.-Cu. N	8	----------	Cu.		
8	Calm	----	Calm	----	Calm	----	NW	1	NW	1	NW	2	9	----------	S.-Cu. NW	6	----------	Cu.	NE	
9	Calm	----	SSE	1	S	1	N	1	NE	2	NW	2	0	----------	----------	4	----------	Fr.-Cu.		
10	Calm	----	Calm	----	NW	1	NW	1	NW	2	NW	3	8	----------	S.-Cu. N	0	----------	----------		
11	NE	1	Calm	----	NW	2	NE	3	N	2	NNW	3	0	----------	----------	8	----------	Cu.-N.	N	
12	NW	4	NW	3	N	5	NE	4	NW	2	N	1	10	----------	N. N	7	----------	Cu.-N.	N	
13	Calm	----	Calm	----	S	1	SE	1	Calm	----	Calm	----	1	----------	Cu.	7	----------	Cu.	S	
14	Calm	----	Calm	----	SE	1	SE	1	SE	1	Calm	----	2	----------	S.	8	----------	Cu.	SE	
15	E	1	Calm	----	SE	2	S	1	SSE	1	W	1	0	----------	----------	2	----------	Fr.-Cu.	S	
16	SW	1	SE	1	SSE	1	NE	1	NNE	2	NE	1	0	----------	----------	5	----------	Cu.	E	
17	S	1	SE	1	SE	1	SW	1	SE	1	SSW	1	1	----------	S.	5	----------	Fr.-Cu.	SE	
18	Calm	----	Calm	----	S	1	ESE	1	N	1	NE	1	0	----------	----------	2	----------	Cu.		
19	SE	1	Calm	----	SW	1	SSW	1	Calm	----	N	1	1	----------	S.-Cu.	6	----------	Cu.	S	
20	Calm	----	SE	1	S	1	S	2	SE	2	SW	1	0	----------	----------	8	----------	Cu.	S	
21	SW	2	SE	1	S	2	SW	1	S	1	Calm	----	0	----------	----------	5	----------	Cu.	S	
22	Calm	----	Calm	----	S	2	SE	1	SE	1	W	1	0	----------	----------	0	----------	----------		
23	SE	1	Calm	----	SE	2	SW	1	SE	1	Calm	----	0	----------	----------	4	Ci.	Cu.	S	
24	S	1	Calm	----	SE	2	Calm	----	NW	1	N	1	0	----------	----------	0	----------	----------		
25	Calm	----	Calm	----	SW	1	SE	1	S	1	NE	1	0	----------	----------	6	Ci.	Cu.	S	
26	SE	1	S	1	S	1	NE	2	N	2	NW	2	7	----------	Cu., S.-Cu.	2	Ci.	Fr.-Cu.		
27	Calm	----	ESE	1	N	1	S	1	NNW	1	Calm	----	0	----------	----------	8	----------	Cu.	S	
28	Calm	----	Calm	----	S	2	SSE	1	N	1	NW	1	0	----------	----------	0	----------	----------		
29	Calm	----	Calm	----	SSE	1	SE	1	NE	3	NE	2	8	----------	S.-Cu. S	6	----------	Cu.	W	
30	Calm	----	Calm	----	SE	1	SE	1	N	2	N	3	7	----------	S.-Cu. SE	4	----------	Fr.-Cu.		
Mean	------	0.5	------	0.4	------	1.4	------	1.2	------	1.4	------	1.1	2.5	----------	----------	4.6	----------	----------		

TUGUEGARAO.

[ϕ=17° 36′ N; λ=121° 40′ E; barometer above sea, 23 meters; gravity correction not applied, —1.61 mm.]

MAY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	58.32	58.14	58.27	55.56	57.72	58.87	26.7	26.1	30	37.2	25.5	25.6	39.6	24.5	77	92	71	42	84	90	3.8
2	58.32	58.82	60.30	57.25	57.28	60.36	26.8	24.6	30.1	37	31.7	27	38.6	24	79	93	64	41	56	80	------
3	60.08	60.91	61.35	58.61	58.56	61.21	26.6	23.5	32.5	38.4	32.7	27.2	39.6	23.2	79	84	51	40	54	84	------
4	60.95	61.35	61.23	58.21	58.83	60.52	26.6	25.6	33	38.4	30.8	27.2	38.8	25	85	87	64	36	52	78	------
5	59.79	60.10	59.50	56.46	57.89	58.98	25.4	24	33	36	27.8	27.1	39.5	23.7	85	93	53	42	77	81	------
6	58.44	58.64	58.48	56.03	57.76	59.66	26	25.1	32	38.2	28.5	25	39.5	24.1	85	91	56	40	64	88	1.8
7	58.85	59.54	59.37	56.66	57	59.95	24.4	24.1	31.6	38	30.6	26.2	39.6	23.5	93	94	61	41	62	89	2.8
8	58.94	59.38	59.97	57.43	58.16	59.78	24.6	24.4	29.6	33.3	28.5	24.6	36	23.5	95	93	70	52	63	97	6.1
9	59.10	59.44	59.68	57.31	58.31	60.97	24.6	24.6	31	35.2	26.3	24.6	37.1	23.8	93	92	69	51	90	91	11.2
10	59.79	60.36	60.97	58.69	58.92	61.16	24	23.6	30	36	31.6	26.8	36.8	23	94	96	62	42	59	84	------
11	60.32	60.83	60.91	58.09	58.83	60.38	25.6	24.3	31.5	37.5	30.6	26	38.6	23.6	89	89	54	40	60	91	------
12	59.12	59.89	59.97	56.95	57.64	59.35	24	23.9	31.5	37	29.5	28.4	39.5	23.5	91	92	57	43	61	76	------
13	57.92	58.62	59.24	56.66	56.70	58.57	26.9	25.8	30.4	36.7	30.6	28.3	39.4	25	86	94	66	38	58	75	------
14	57.77	58.52	59.72	56.86	57.39	58.87	27.1	26.1	28.2	37	30.5	28.2	39.5	25.5	83	91	77	43	60	66	------
15	58.02	58.44	59.50	56.24	56.48	58.36	27	26.4	30	36.5	32.8	28	38.4	26	79	89	67	40	59	79	------
16	57.37	57.32	58.63	56.26	55.69	57.89	26	25.6	33.2	38.5	34.6	28.5	40.4	25	94	93	56	40	51	76	------
17	57.10	58.03	59.14	56.46	56.67	58.81	26.8	26	32.6	38.2	33.4	28	40.4	25	86	92	57	41	54	79	------
18	57.92	59.12	60.15	57.71	58.19	59.80	26.8	25.5	33.5	37	32.1	28.5	40.2	25.1	85	91	53	39	64	90	------
19	59.57	59.72	59.87	57.42	57.06	58.51	27.6	25.7	31.6	38.6	34.5	27.8	40.5	25.3	92	94	65	39	45	73	------
20	58.26	58.34	58.43	55.56	56.31	58.12	25.9	25.1	33.5	38.6	31.6	27.6	40.4	24.4	85	88	47	29	59	80	------
21	57.50	58.44	58.82	55.76	57.38	59.98	26	25.2	33.5	38.4	31	25.6	39.6	24.5	87	90	53	36	62	81	------
22	59.13	59.09	59.37	56.76	57.30	59.16	25.3	25	32.5	38.2	32.6	27.6	40.2	24	83	86	55	31	53	73	------
23	58.55	59.12	59.16	56.46	56.86	59.39	25.9	25	33	38	32.5	27.8	39.9	24.4	92	88	52	40	53	77	------
24	58.81	58.84	58.97	56	55.94	58.37	25	24.8	31.5	36.2	32.7	28.2	39.8	24	90	88	59	41	52	78	------
25	58.09	58.31	57.94	54.88	55.18	57.50	26.8	26.3	33.8	38.3	32	29.1	40.4	25.5	88	90	53	42	54	73	------
26	56.96	57.33	57.94	55.13	56.78	58.05	27.3	25	33.1	35.2	25.4	27.6	39.1	24.2	76	90	59	53	90	84	49.5
27	57.35	57.44	58.25	55.63	58.13	59.10	26.1	25.6	31.5	36.4	26.2	24.6	38.4	23.8	96	98	69	41	90	91	3.8
28	58.98	59.09	59.92	57.44	57.59	59.80	24.3	24.4	30.6	34.9	31.2	25.2	37	23.5	91	95	72	48	68	95	------
29	59.42	59.18	59.93	56.76	58.09	59.50	25	25.7	33	38.6	25.1	24.5	39.5	24	98	94	56	43	80	89	1
30	59.40	59.26	59.72	56.86	57.34	59.75	24.9	23.5	32.1	37.6	28.6	23.2	39.4	22	86	96	60	44	73	91	8.4
31	59.53	58.85	59.44	56.70	59.02	60.30	22.9	23	28.5	33.8	28.2	23.2	36	22	94	97	75	54	73	99	61.2
Mean	58.70	59.05	59.49	56.74	57.45	59.39	25.8	25	31.7	37.1	30.3	26.7	39.1	24.1	87.6	91.6	60.7	41.7	63.9	83.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	149.6

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	Calm	0	Calm	0	SE	3	SW	2	NE	1	NW	2	10	----------	Cu.-N. S	8	----------	Cu.-N. sw
2	Calm	0	SE	1	SW	1	SW	1	Calm	0	Calm	0	4	----------	S.-Cu.	5	Ci.-S.	Cu. S
3	Calm	0	SSE	1	S	2	SE	1	N	2	N	2	0	----------	----------	0	----------	----------
4	Calm	0	Calm	0	W	1	N	1	NW	2	NW	2	3	Ci.	S.	5	----------	Cu. NE
5	Calm	0	Calm	0	S	1	S	2	NW	2	NW	1	3	----------	S.	7	----------	Cu. S
6	SE	1	SE	1	SE	1	NNW	1	N	2	N	1	6	A.-Cu.	Cu.	7	----------	Cu. N
7	Calm	0	Calm	0	S	1	SW	1	NW	2	SE	1	3	----------	S.-Cu. S	6	----------	Cu. N
8	Calm	0	S	1	SE	2	SE	2	Calm	0	Calm	0	7	A.-Cu. SW	Cu.-N. SW	8	----------	Cu.-N. S
9	Calm	0	SE	1	SE	1	NE	1	SW	1	SW	1	10	----------	Cu.-N. S	7	----------	Cu. SW
10	SE	1	SE	1	S	1	NE	1	NE	1	NW	1	6	A.-Cu.	S.-Cu. S	6	Ci.-S.	Cu. SW
11	Calm	0	Calm	0	SE	1	SW	1	NW	1	NW	1	0	----------	----------	3	----------	Cu.-N.
12	S	1	Calm	0	SE	1	SE	1	NE	2	NE	1	2	A.-Cu.	----------	5	----------	Cu. S
13	Calm	0	Calm	0	Calm	0	NW	1	N	2	NW	1	8	----------	Cu. NW	7	----------	Cu. NW
14	Calm	0	Calm	0	SE	1	NE	1	NE	2	N	2	8	----------	Cu.-N. N	5	----------	Cu.-N. N
15	SE	1	SE	1	SE	2	S	2	NE	2	NNE	1	8	----------	Cu.-N. S	6	----------	Cu. S
16	Calm	0	SE	1	SW	1	NW	1	N	2	NE	3	7	Ci.	----------	7	Ci.-S.	Cu. S
17	SE	1	SE	1	ESE	1	NW	1	N	3	NW	3	8	Ci.-Cu.	S.-Cu. S	7	----------	cu.,cu.-N.
18	SE	1	SE	1	SE	1	SW	1	N	2	N	1	6	Ci., Ci.-Cu.	S.	8	----------	Cu. S
19	Calm	0	Calm	0	S	1	SW	1	NE	1	N	1	10	----------	Cu.-N. SE	6	----------	Cu.-N.
20	SE	1	SE	1	SE	1	N	1	N	1	NW	1	2	Ci., Ci.-Cu.	----------	3	Ci.	Fr.-Cu.
21	Calm	0	Calm	0	SE	1	NW	2	NE	2	SE	3	2	----------	S.	7	----------	Cu. NE
22	SE	2	S	1	SE	1	NE	1	NE	2	S	1	8	----------	Cu.-N. S	6	Ci.	Cu.
23	Calm	0	Calm	0	S	2	SW	1	NE	3	N	2	4	Ci.	S.	5	----------	Cu. SE
24	SE	1	SSE	1	S	1	SE	1	N	2	NE	2	2	Ci.	----------	7	----------	Cu. S
25	SE	1	SE	1	SE	1	E	1	N	3	Calm	0	8	----------	Cu.-N. S	7	----------	Cu. E
26	SE	1	SE	1	SW	1	SE	1	Calm	0	N	1	5	Ci., Ci.-S.	----------	8	----------	Cu.-N. sw
27	SSE	1	Calm	0	Calm	0	NE	1	W	2	Calm	0	5	Ci., Ci.-S.	----------	9	----------	Cu.-N. N
28	Calm	0	Calm	0	Calm	0	S	1	Calm	0	NW	1	9	----------	Cu.-N. S	9	----------	Cu.-N. S
29	Calm	0	Calm	0	S	2	S	1	NW	2	NW	1	0	----------	----------	5	----------	Cu. S
30	WSW	1	Calm	0	E	1	NW	1	NW	2	SW	1	4	Ci.	Cu. S	3	Ci.	----------
31	SE	1	S	1	SE	1	NE	1	SW	5	NE	1	10	Ci.	----------	6	Ci.-S.	Fr.-Cu.
Mean	------	0.5	------	0.5	------	1.1	------	1.2	------	1.7	------	1.3	5.4	----------	----------	6.1	----------	----------

TUGUEGARAO.

[ϕ=17° 36′ N; λ=121° 40′ E; barometer above sea, 23 meters; gravity correction not applied, —1.61 mm.]

JUNE, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.34	58.56	59.72	57.40	59.24	60.79	23.5	23.7	29.5	33.4	25.5	24.4	36.3	22.8	97	97	75	59	90	94	3
2	60.17	60.68	61.15	58.50	58.55	60.41	24.2	24	29.4	34.9	31.6	26.4	37.2	23.6	96	97	76	53	57	92	------
3	59.75	60.03	60.07	57.68	58.41	59.44	26.5	26.2	31.6	35.6	27	26.1	37.5	24.8	89	92	66	44	82	87	------
4	58.78	58.57	58.35	56.13	56.80	58.52	24.9	24.8	31	36	30.4	26.2	38.1	24.1	94	93	68	42	66	88	------
5	58.09	57.82	58.37	56.09	57.20	59.35	25.3	25	30.7	35	27.5	26.1	37.1	24.2	93	95	64	52	71	84	------
6	58.14	58.83	58.57	55.75	56.85	59.05	25.3	24.6	31.2	37.4	28.5	25.8	38.6	24.1	89	92	66	43	75	88	------
7	58.77	58.50	58.50	55.76	56.05	58.22	25.5	24.6	31.4	35.5	30.6	27.1	38.5	24	88	90	63	49	69	85	------
8	57.97	57.24	57.80	55.16	56.64	58.78	25.9	24.4	32	36.3	27	26	38.6	23.7	86	90	63	42	81	88	------
9	57.70	57.95	58.29	55.76	57.05	59.10	24.5	23.5	31.6	37	29	26.4	38.5	23.5	89	94	59	43	68	90	------
10	58.22	58.63	59.10	56.22	57.12	59.05	25.8	25.2	29.6	36.5	30.6	28.1	38.2	24.5	91	94	71	43	65	78	------
11	58.51	58.64	59.25	57.61	57.95	59.27	26.9	26.1	32.6	35.2	29.5	26.7	37.5	25.5	85	93	62	51	62	80	------
12	58.79	58.92	59.13	56.92	56.65	58.71	26.5	26.1	32.8	35	27.7	27.1	39.6	24.2	82	83	52	53	91	93	8.1
13	57.76	58.43	58.80	56.11	57.17	59.07	25.9	24.8	31.7	32.4	28	26	37.8	24.3	94	92	62	65	96	92	------
14	58.27	58.17	58.25	55.79	57.03	58.58	25.7	25	31	35	27.4	26.1	37	24.6	95	98	75	52	76	91	------
15	57.27	56.97	57.27	55.28	56.76	56.68	25.5	25.6	32	37.4	27.5	27	39.2	25	98	95	57	40	82	86	------
16	55.97	55.79	56.45	54.71	54.82	55.97	26.3	24.8	31.6	36.8	29.6	28.2	38.8	24.5	90	94	66	40	69	86	------
17	55.25	55.01	55.35	53.61	53.69	55.95	27.1	25	32.5	37.5	30.4	28.5	38.8	24.6	82	92	65	42	73	85	------
18	55.49	55.83	56.28	54.80	54.59	56.35	26.8	25.7	33	37	34.7	28.8	38.9	25.2	86	91	53	43	52	82	------
19	55.62	55.84	55.39	53.09	53.79	55.68	28.6	26.2	34.2	37.4	34	29.4	39	25.6	76	90	56	43	51	72	------
20	54.75	54.82	55.17	53.24	53.44	55.64	28.1	26.2	34	39.6	34	25.8	41.1	24.7	79	90	48	39	54	87	------
21	55	54.99	55.18	54.09	53.99	57.19	24.9	24.4	32	37.3	33.8	25	38.5	24	91	93	65	38	53	95	34.3
22	56.70	56.75	57.27	55.78	56.50	57.77	25.2	24.7	29	33	29.2	26.5	36.1	24.1	92	95	81	69	67	90	------
23	57.44	57.48	57.67	56.02	55.76	57.72	25.6	24.7	31.5	34.9	32.6	25.8	36.8	24.3	95	98	69	53	56	79	------
24	57.05	57.06	57.30	55.26	55.94	58.48	24.5	24	30	35.6	28.6	26.8	38.5	23.6	89	91	75	49	70	78	------
25	58.13	57.30	57.05	55.11	55.90	58.66	24.6	23.5	31.4	37	27.8	26.8	39.5	23.4	87	94	60	39	69	83	------
26	57.91	57.49	57.77	55.97	55.83	58.30	25.7	24.8	32	37	33.4	28.2	39.2	24.4	85	88	64	42	54	87	------
27	57.61	57.01	57.08	55.36	56.07	57.44	26	24.7	31.5	37.2	26	25	39.1	23.8	85	89	57	39	79	85	------
28	56.87	56.53	56.58	54.69	54.65	56.80	24.6	24.5	32	37.6	31	28.4	40	23.9	90	94	58	41	69	85	------
29	56.77	57.09	56.88	55.14	56.07	58.65	26.8	25.2	32.6	37.2	29.6	23.5	39.4	22.6	91	85	60	39	74	91	11.9
30	58.33	58.12	58.20	56.07	57.30	59.98	23.5	23.4	30.5	35.7	28.3	23.8	39.6	22.6	94	98	72	44	72	93	3
Mean	57.55	57.50	57.74	55.64	56.26	58.19	25.7	24.8	31.5	36.1	29.7	26.5	38.4	24.1	89.3	92.6	64.3	46.4	69.8	86.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	60.3

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	Calm	----	Calm	----	E	1	N	1	Calm	----	Calm	----	8	A.-Cu.	Cu.-N. NW	6	Ci.	Cu.
2	S	1	Calm	----	S	1	ESE	1	NW	1	NW	1	8	----------	S.-Cu. S	4	----------	Cu.-N.
3	SE	1	SE	1	SE	1	S	1	NE	1	NW	1	6	Ci., A.-Cu.	S.-Cu. SE	4	Ci.-S.	Cu.-N. N
4	Calm	----	SE	1	SE	1	SE	1	NW	2	Calm	----	7	Ci.-S.	N.-cf.	6	Ci.-S.	Cu.-N.
5	N	1	SSE	1	S	1	SW	1	NNE	1	Calm	----	7	Ci.	----------	8	----------	Cu.-N. SW
6	S	1	SE	1	SE	1	S	1	NW	1	NW	1	7	Ci. NE	----------	4	----------	Cu.
7	NE	1	S	1	SE	1	NW	1	NW	2	NW	1	8	Ci. N	S.-Cu. S	5	Ci.	Cu. S
8	N	3	SSW	1	SE	1	ESE	1	Calm	----	Calm	----	7	A.-Cu. E	S.	5	Ci.	Cu. S
9	Calm	----	S	1	E	1	W	1	NE	1	Calm	----	8	Ci.	Cu.	6	Ci.	Cu. S
10	SE	1	SE	1	SW	1	SE	1	NE	1	NW	1	10	----------	N. S	6	Ci.-S.	Fr.-Cu. S
11	NNE	1	S	1	S	1	NE	2	NW	1	N	1	10	----------	Cu.-N. S	8	----------	Cu.-N. N
12	Calm	----	Calm	----	SE	1	NE	3	Calm	----	Calm	----	8	----------	Cu.-N. NE	10	Ci.	Cu.-N. E
13	Calm	----	Calm	----	SE	1	NE	1	N	1	NW	2	6	Ci.-S.	S.-Cu.	7	Ci.	Cu. N
14	Calm	----	Calm	----	SE	1	Calm	----	N	1	Calm	----	9	Ci.-S.	S.	7	Ci.-S.	Cu. SE
15	Calm	----	Calm	----	S	1	S	1	NE	1	S	1	9	----------	S.-Cu.	7	Ci.-S.	Cu. SE
16	Calm	----	Calm	----	SW	1	S	1	Calm	----	Calm	----	5	Ci.	N.	8	Ci.-S.	----------
17	Calm	----	Calm	----	SE	1	N	1	N	2	NW	1	7	Ci.	----------	8	Ci., Ci.-S.	Cu. NW
18	Calm	----	S	1	SE	1	Calm	----	SE	1	NW	1	9	Ci.-S.	S.-Cu.	10	Ci.-S.	----------
19	NW	1	Calm	----	S	1	NW	1	NW	1	NW	1	10	Ci.-S.	----------	6	Ci.-S.	Cu. W
20	SE	1	Calm	----	SE	1	SE	1	NW	1	SW	1	4	Ci.	----------	5	Ci.	Cu. W
21	SE	1	Calm	----	SE	1	SE	1	NE	1	SE	1	9	Ci.-S.	----------	10	Ci.-S.	----------
22	SSE	1	Calm	----	S	1	SW	1	N	1	Calm	----	10	----------	Cu.-N. SE	7	Ci.-S.	Cu.-N. SE
23	Calm	----	S	1	SE	1	S	1	Calm	----	NW	1	8	Ci.	Cu. S	1	Ci.	Cu. S
24	SE	1	ESE	1	S	1	S	1	W	3	SE	3	8	Ci.	----------	7	Ci.-S.	Cu. SE
25	SE	2	S	1	SE	1	SE	1	NE	2	S	1	7	A.-Cu. E	Cu.	3	Ci.	Fr.-Cu.
26	Calm	----	SE	1	Calm	----	SE	1	NW	1	NW	2	6	Ci., Ci.-S.	----------	5	Ci.	Cu. S
27	SE	1	Calm	----	S	2	SW	1	NW	2	Calm	----	6	Ci.-Cu.	S.	5	----------	Fr.-Cu. SSW
28	Calm	----	Calm	----	S	2	SW	1	NW	2	NW	1	3	Ci.	----------	7	Ci.	Cu. S
29	S	1	Calm	----	SE	1	SSW	2	NW	2	Calm	----	8	Ci.	S.-Cu.	10	Ci.-S.	Fr.-Cu. SE
30	Calm	----	Calm	----	SE	1	SSW	1	NW	3	Calm	----	4	Ci.-Cu.	Fr.-S.	8	Ci.	Cu.-N. SE
Mean	------	0.6	------	0.5	------	1	------	1.1	------	1.2	------	0.7	7.4	----------	----------	6.4	----------	----------

TUGUEGARAO.

[ϕ=17° 36′ N; λ=121° 40′ E; barometer above sea, 23 meters; gravity correction not applied, —1.61 mm.]

JULY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.82	57.96	58.07	56.11	55.84	59.47	23.9	23.4	31	35.4	32.6	25.6	37.6	23.2	94	95	61	44	57	80	1.5
2	57.67	57.43	57.50	55.67	55.82	58.20	24.7	24	31.5	36.5	32.2	27.4	38.6	23.5	85	91	65	42	63	89	------
3	57.53	58.58	58.20	56.13	56.47	58.58	25.6	24.8	31.6	37.5	29	27.1	39.2	24.2	90	95	66	43	83	93	2.8
4	58.46	58.77	59	57.21	57.30	58.90	26.3	25.6	33	34.4	27.7	26.4	37.6	25	96	95	50	52	87	92	4.1
5	59.21	59.25	59.05	56.72	56.58	58.56	25	24.5	32.6	36.2	34.2	28.5	38.8	24	94	96	53	41	61	81	------
6	58.48	58.27	58.08	56.26	56.30	58.70	25.4	24.5	32.2	36.7	31	27.5	39.8	23.6	89	90	55	38	63	82	------
7	58.41	57.94	57.76	55.58	55.85	58.30	26	24.4	32.5	37.6	30.5	27.8	39.6	24.3	85	92	58	39	62	79	------
8	57.68	57.53	57.84	55.87	56.25	58.20	25.7	24.4	31	34	32.5	28.1	36.7	23.7	89	90	62	51	55	79	------
9	57.03	57.47	58.60	57.77	57.09	58.84	25.8	24.7	25.4	27.2	25.7	24.8	30	24	87	92	93	83	98	95	10.1
10	57.94	58.71	58.92	57.77	57.74	59.48	23.1	23.6	28.6	25.8	26.5	24.8	35.4	23	99	97	73	88	85	96	7.9
11	58.66	59.04	59.32	57.03	57.12	59.85	23.3	23.6	29.5	35.1	25.2	24.6	37	22.9	97	97	70	53	82	96	10.1
12	58.54	58.46	59.09	57.20	57.03	58.97	23.7	23.2	28.6	31.6	30.6	27.2	33.8	23	97	100	76	66	68	83	------
13	58.33	58.34	58.67	56.36	56.25	58.80	25.2	24.2	31	36	31.4	26.2	39	23.5	89	91	64	42	65	84	------
14	58.08	58.27	58.45	56.10	57.67	59.63	25.3	24.3	31.8	37.3	27.6	26.6	39.3	24	90	97	60	42	80	87	------
15	57.87	58.49	58.80	56.82	56.65	58.87	24.5	23.8	33	34.8	31.6	26.8	38.3	23	91	95	56	47	65	90	1
16	58.67	58.67	58.20	56.58	57.92	58.93	25.8	25	30.1	37.6	24.6	24.6	38.6	24	92	94	72	40	97	92	8.9
17	58.12	58.13	58.27	56.43	56.61	58.43	24.1	23.6	29.3	35.1	26	25.6	37.1	23.2	95	97	72	51	85	93	2
18	57.95	57.59	57.35	55.93	55.42	56.50	24.4	23.5	29.1	33.5	28.4	26.5	35.4	23.3	96	97	81	60	85	90	------
19	56.29	55.71	56.59	54.25	53.40	55.06	25.5	24	26.1	31.5	30.5	26.2	34.7	23.3	93	97	89	66	67	90	------
20	54.47	54.63	54.82	52.42	52.72	55	25.5	25	32	32	28.4	26.2	38.6	24.4	93	92	63	67	82	89	25.9
21	54.10	53.56	53.77	51.94	54.01	54.95	25.4	25	30.8	34.9	24.8	24.2	36.7	23	94	97	67	53	87	98	21.6
22	53.80	53.84	54.64	53.25	53.76	55.18	23.9	24	28.6	29.2	28.5	27.6	31.4	23.1	97	96	72	83	83	88	------
23	54.14	54.39	55.12	53.23	53.83	56.09	25.4	25.7	30.1	35	29.5	23.6	36.3	22.3	91	83	64	55	82	99	20.8
24	55.42	55.56	55.75	54.36	54.70	57.53	23.7	23.9	30.6	34	29.1	23.6	36	22	97	96	68	59	77	98	39.6
25	56.46	56.23	57.33	55.46	55.52	58.02	23.3	23.5	28.1	33.7	27	25.2	36.2	22.3	99	99	85	60	78	86	------
26	57.38	57.29	58.32	57.02	56.57	58.84	24.6	25	30.2	29.7	29.8	26	35.2	23.5	92	90	70	54	63	89	------
27	57.60	57.69	58	56.51	56.12	57.63	24	23.5	31	33.8	26.3	26	35.2	23	97	97	65	58	91	94	10.7
28	56.82	56.05	56.84	55.74	55.07	56.24	24.8	24.2	26.2	27.5	27.6	25.3	30	24	97	98	90	81	84	96	6.3
29	56.05	55.81	56.42	54.66	55.01	56.17	25.2	24.7	27.7	32.5	26.4	25.3	34.7	24	93	96	81	64	82	93	14
30	55.33	55.11	55.84	54.13	53.71	54.64	25	24.4	27.2	25.7	24.3	24.2	27.6	23.8	95	99	83	94	94	97	7.1
31	53.58	53.40	53.56	51.56	50.97	51.91	24.1	23.7	26.5	29.5	25	23.8	30.8	23.1	95	92	85	68	91	95	35.5
Mean	57.03	57.04	57.36	55.55	55.65	57.56	24.8	24.2	29.9	33.3	28.5	25.9	36	23.5	93.2	94.6	70	57.5	77.4	90.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	229.9

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2. p. m.		6. p. m.		10. p. m.		6 a. m.			2 p. m.				
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.		
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*				
1	S	1	Calm	----	S	2	S	2	N	1	Calm	----	2	Ci.-Cu.	----------	4	Ci.	Cu.		
2	Calm	----	Calm	----	S	1	SE	1	N	2	Calm	----	6	Ci.	S.-Cu.	5	Ci.-S.	Cu.		
3	Calm	----	Calm	----	SE	1	SE	1	NW	1	NW	2	7	Ci. NE	----------	8	----------	Cu.	SE	
4	Calm	----	Calm	----	SE	1	SW	1	Calm	----	Calm	----	0	----------	----------	8	----------	Cu.-N.	NE	
5	Calm	----	Calm	----	S	2	SW	1	SE	1	Calm	----	2	----------	Fr.-Cu.	6	----------	Cu.	SE	
6	Calm	----	Calm	----	S	1	N	1	NE	1	NW	2	3	Ci.	----------	4	----------	Cu.	SE	
7	SE	1	SE	1	SE	1	SE	2	N	1	NW	1	4	Ci., Ci.-S.	----------	7	Ci. N	Cu.	S	
8	S	1	SSE	1	SE	2	SE	2	SE	1	Calm	----	4	Ci., Ci.-S.	----------	7	Ci.-S.	Cu.-N.	N	
9	Calm	----	Calm	----	Calm	----	S	1	Calm	----	Calm	----	10	Ci.	S.-Cu. S	10	----------	N.	S	
10	Calm	----	Calm	----	SSE	1	S	1	SE	1	SW	1	10	----------	N.	10	----------	N.	SE	
11	Calm	----	Calm	----	SE	1	SE	1	Calm	----	Calm	----	8	----------	S.-Cu.	6	----------	Cu.	SE	
12	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	5	Ci.-Cu.	S.-Cu.	8	Ci.-S.	Cu.-N.		
13	Calm	----	Calm	----	SW	1	SE	1	Calm	----	Calm	----	4	----------	S.-Cu.	4	Ci.	Cu.	SE	
14	S	1	SSW	1	SE	1	SE	1	N	1	Calm	----	8	Ci. E	----------	8	----------	Cu.-N.	NE	
15	Calm	----	Calm	----	SE	2	SE	1	Calm	----	SE	1	4	----------	Fr.-S.	8	----------	Cu.-N.	E	
16	S	1	SE	1	SE	1	SSE	1	Calm	----	Calm	----	7	Ci.	S.-Cu.	8	----------	Cu.-N.	S	
17	S	1	S	1	SE	1	SE	1	SW	1	Calm	----	3	Ci.-Cu.	S.	8	Ci.-S.	Cu.	S	
18	Calm	----	Calm	----	Calm	----	SE	1	Calm	----	Calm	----	8	----------	S.-Cu.	10	Ci.-S.	Cu.-N.	S	
19	Calm	----	Calm	----	E	1	NNW	1	NW	1	Calm	----	9	Ci.	Cu.-N. N	8	Ci.-S.	Cu.-N.	NE	
20	Calm	----	Calm	----	SW	1	N	2	Calm	----	Calm	----	7	----------	S.-Cu.	8	----------	Cu.-N.	N	
21	Calm	----	Calm	----	SE	1	S	1	NW	2	N	1	10	----------	N. S	9	Ci.-S.	Cu.-N.	SE	
22	Calm	----	Calm	----	S	2	Calm	----	Calm	----	Calm	----	7	----------	S.-Cu.	10	----------	N.	S	
23	Calm	----	Calm	----	SSW	1	SE	1	Calm	----	Calm	----	8	Ci.-S.	Fr.-S.	8	----------	Cu.-N.	S	
24	Calm	----	Calm	----	E	1	Calm	----	NW	1	Calm	----	10	----------	Cu.-N. NE	8	----------	Cu.-N.	NE	
25	Calm	----	SE	1	Calm	----	Calm	----	Calm	----	Calm	----	10	----------	N.	7	Ci.-S.	Cu.-N.	N	
26	Calm	----	Calm	----	SE	1	NE	1	S	3	Calm	----	4	----------	S.-Cu.	8	----------	Cu.-N.	E	
27	Calm	----	Calm	----	ESE	1	Calm	----	Calm	----	Calm	----	8	----------	S.-Cu. S	7	----------	Cu.-N.		
28	Calm	----	Calm	----	NW	1	NW	1	Calm	----	Calm	----	10	----------	Cu.-N.	10	----------	Cu.-N.	N	
29	Calm	----	SE	1	SW	1	NE	1	S	1	Calm	----	8	A.-Cu.	S.-Cu. SW	10	Ci.-S.	Cu.-N.	S	
30	Calm	----	Calm	----	SE	1	Calm	----	S	1	Calm	----	8	----------	S.-Cu.	10	----------	N.		
31	SE	1	S	1	SE	1	SE	3	SE	1	SE	1	10	----------	Cu.-N. SE	10	Ci.-S.	Cu.-N.	S	
Mean	------	0.2	------	0.3	------	1	------	1	------	0.7	------	0.3	6.6	----------	----------	7.8	----------	----------		

TUGUEGARAO.

[ϕ=17° 36′ N; λ=121° 40′ E; barometer above sea, 23 meters; gravity correction not applied, —1.61 mm.]

AUGUST, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	51.81	51.73	52.88	52.11	51.68	54.02	23.2	23.1	24.5	24.8	24	24.2	27.5	23	99	100	92	93	100	97	46.7
2	53.13	53.33	54.84	53.80	54.50	56.01	24	23.5	28.5	31	28.6	26.2	32.7	23	96	97	78	66	73	83	------
3	55.75	55.85	56.81	55.49	56.74	58.38	24.6	23.4	29.8	33.7	24.6	23.9	35.4	23.1	92	98	73	59	95	97	39.3
4	57.10	57.69	57.64	55.71	56.12	57.82	23.9	24	28.2	31.6	26.3	25.8	34.1	22.8	97	97	80	62	94	95	5.8
5	57.13	56.94	57.48	55.91	55.57	58.12	25.2	25.4	29.4	32	28.4	26.8	33.6	24.5	99	97	77	78	79	86	1
6	57.48	58.33	58.75	56.58	57.22	58.41	24.5	22.7	29.5	33	27	26	34.3	22.6	92	100	78	64	83	92	------
7	58.12	58.85	59.22	56.94	57.65	58.87	24.2	23.8	29.2	33	27.5	27	35.3	23.4	98	97	78	56	84	91	------
8	58.09	58.20	58.81	56.36	56.68	58.39	23.2	23.1	28.2	33	28.2	25.4	35	22.2	99	96	83	62	79	93	------
9	57.09	57.29	58.03	56.24	55.75	57.72	25.2	25.1	29.2	33.3	29.5	26.4	36	23.8	93	91	75	61	73	86	------
10	56.94	57.14	58.19	56.52	56.51	58.07	25.2	24.8	27.4	28	26.5	25	30.6	24	93	94	81	77	88	92	------
11	56.99	57.17	58.37	55.93	55.92	57.34	24.1	24	24.6	28.8	26.1	25	29.6	23	91	97	91	76	89	96	11.4
12	56.34	56.41	56.82	54.42	53.87	56.37	23.2	23	26.8	29.9	27.6	25.2	31	22	94	100	86	72	83	95	5.8
13	55.29	54.93	55.42	53.30	53.53	55.65	23.7	23.5	28	33.5	27.3	26.8	35	22.6	96	100	74	56	85	86	------
14	55.04	55.09	55.59	53.60	54.89	57.43	25.1	24.8	30	33.2	27.7	26	35.2	24	93	97	75	59	81	93	------
15	56.94	57.38	57.83	55.62	56.13	57.98	24.2	23.7	29	34.4	30.4	26.1	36.8	23.4	94	97	76	56	65	91	------
16	57.66	57.69	58.70	55.94	55.79	57.40	25.3	25	29.6	34	29.7	26.8	35.4	24.4	95	97	75	59	71	83	------
17	56.98	57.15	57.18	55.18	55.41	56.70	25.7	24.7	31	33.2	28.6	27.5	35.6	24.5	89	96	64	66	76	84	14
18	56.08	56.50	56.81	54.56	56.37	56.72	25.1	24.2	30.5	35	24.5	24	36.8	23.9	98	96	75	59	97	100	45.5
19	56.14	56.40	57.03	54.70	55.37	56.95	23.9	23.6	29	32.9	27.2	26.5	35.3	23.2	98	99	78	67	83	85	------
20	56.49	56.82	57.47	54.88	55.97	58.03	25.7	24.4	30.5	34.8	27.2	25.7	35.8	24	87	95	61	58	83	94	------
21	57.03	57.06	57.92	55.45	56.20	57.61	25	24.5	29.7	34.8	28.3	26.9	36.7	24	96	96	78	59	86	87	------
22	57.12	57.27	57.72	55.09	55.42	57.66	25.1	24.8	30.4	34.1	28.1	27.2	35.5	24	93	94	70	54	82	83	------
23	56.87	56.09	56.62	54.30	54.45	56.63	25.3	24	30	34.5	28.6	26	36.8	24	95	98	75	61	75	94	------
24	56.18	56.54	57.32	54.77	55.30	56.60	25.6	25.1	30.2	33.7	28.6	26.7	36.1	24.5	96	98	75	59	78	90	1.8
25	55.78	56.09	56.87	54.62	55.13	56.57	24.8	24.4	27.4	29	26.2	24.2	31.3	23.6	98	97	84	78	91	95	12.7
26	54.91	54.41	54.88	52.09	52.22	54.17	24.2	24.1	28.1	33	28	26.6	34.6	23.3	94	97	77	63	80	90	------
27	52.42	52.40	52.94	50.34	50.41	51.61	25.1	23.7	30.2	34.2	29.6	27	35.5	23.4	88	96	69	55	71	86	------
28	51.45	50.22	50.80	49.11	50.22	51.77	25.6	24.1	31	33.6	28.2	26.6	36.1	24	98	95	68	58	82	89	5.6
29	50.51	50.53	51.28	49.75	50.38	53	25.3	25.1	31.6	35	31	26.8	36.5	24	96	86	57	58	69	83	------
30	52.34	52.96	54	53.40	53.93	54.84	25.5	25.2	31.7	28.1	27.5	25.8	35.3	24.4	88	87	65	80	86	96	------
31	53.39	53.16	53.63	51.40	52.06	53.46	25	24.3	28.8	32.1	24.4	24.2	34.1	22.7	98	94	72	66	80	93	17.8
Mean	55.63	55.73	56.38	54.33	54.75	56.46	24.7	24.2	29.1	32.4	27.6	25.9	34.5	23.5	94.6	96.1	75.5	64.4	82	90.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	207.4

Day.	Wind.												Clouds.						
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.			
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction.		Amount.	Form and direction.		
														Upper.	Lower.		Upper.	Lower.	
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*			
1	SE	3	SE	1	SE	1	S	2	Calm	----	S	1	10	----------	N.	10	----------	N.	S
2	SE	1	Calm	----	SE	1	S	1	S	2	Calm	----	8	----------	Fr.-N.	8	----------	Cu.-N.	S
3	Calm	----	Calm	----	Calm	----	Calm	----	N	2	Calm	----	7	----------	S.-Cu.	8	Ci.-S., Ci.	Cu.	N
4	Calm	----	Calm	----	SE	1	N	1	Calm	----	NW	1	10	----------	Cu.-N. NE	7	Ci.-S.	Cu.-N.	S
5	Calm	----	Calm	----	Calm	----	NW	1	NNW	2	SW	1	10	----------	Cu.-N.	10	----------	cu.-N.	NE
6	Calm	----	Calm	----	Calm	----	N	1	NW	1	SE	1	3	Ci.-S.	S.-Cu.	4	----------	Cu.	NE
7	SE	1	S	1	SE	1	W	1	WSW	1	SW	1	7	----------	Cu.-N. SE	7	----------	cu.-N.	NW
8	SE	1	SE	1	SE	1	SE	1	NW	1	Calm	----	8	----------	Cu.-N. SW	6	Ci.-S.	----------	
9	Calm	----	SE	1	S	1	NW	1	N	1	Calm	----	7	----------	S.-Cu. S	6	Ci.	Cu.	
10	Calm	----	Calm	----	Calm	----	NE	1	Calm	----	Calm	----	10	----------	Cu.-N. N	10	----------	Cu.-N.	N
11	N	1	Calm	----	NW	2	NE	1	N	2	NE	1	10	----------	Cu.-N. NE	9	Ci.-S.	Cu.-N.	N
12	NE	1	NE	1	NW	1	NNW	2	N	1	NW	1	10	----------	Cu.-N. N	8	Ci.-S.	cu.-N.	NE
13	SW	1	Calm	----	S	1	SE	1	NW	1	SW	1	10	----------	N.	6	Ci.-S.	Cu.-N.	
14	NE	1	Calm	----	NE	1	NE	1	NW	1	NE	1	10	----------	Cu.-N. NE	3	----------	Cu.	
15	SE	1	SSE	1	SE	1	SE	1	N	2	Calm	----	8	----------	S.-Cu.	4	----------	Cu.	SW
16	Calm	----	Calm	----	SW	1	E	1	N	2	Calm	----	8	----------	S.-Cu.	8	Ci.-S.	Cu.	N
17	Calm	----	Calm	----	Calm	----	NE	1	NE	1	Calm	----	8	Ci.	S.-Cu.	10	Ci.-S.	Cu.-N.	N
18	Calm	----	S	1	SE	1	ESE	1	SE	1	Calm	----	8	Ci.	Cu.-N. SE	9	Ci.-S.	Cu.-N.	SW
19	Calm	----	S	1	Calm	----	Calm	----	NW	1	Calm	----	10	----------	N.	5	Ci.	Cu.	
20	Calm	----	Calm	----	SE	1	NW	1	NW	2	Calm	----	8	Ci.-S.	N.-cf.	8	Ci.	Cu.-N.	NW
21	Calm	----	SSE	1	SE	1	SW	1	Calm	----	Calm	----	10	----------	N. S	8	----------	cu.-N.	SW
22	Calm	----	Calm	----	SW	1	Calm	----	N	1	N	2	10	----------	Cu.-N.	4	----------	Cu.	SW
23	NE	1	Calm	----	S	2	Calm	----	NE	1	NE	1	6	Ci.	----------	5	Ci.	Cu.	
24	E	1	SE	1	SE	1	N	1	Calm	----	Calm	----	10	----------	Cu.-N. SE	6	----------	Cu.	SW
25	Calm	----	Calm	----	NE	1	NE	2	N	1	Calm	----	10	----------	Cu.-N. SE	10	----------	cu.-N.	NE
26	Calm	----	Calm	----	SE	1	NW	1	NE	1	Calm	----	10	----------	N. S	3	----------	Cu.	
27	Calm	----	SE	1	SSW	1	NE	1	NNE	1	Calm	----	8	Ci., Ci.-S.	----------	8	Ci.-S.	Cu.	
28	Calm	----	SW	1	SE	1	SE	1	Calm	----	Calm	----	10	Ci.-S.	Cu.-N.	9	----------	cu.-N.	SW
29	Calm	----	Calm	----	SE	1	S	1	S	1	Calm	----	4	----------	S.	7	Ci.-S.	Cu.	SW
30	Calm	----	SW	1	SSW	1	N	2	Calm	----	SE	1	8	----------	Cu.-N. SE	10	----------	N.	NE
31	Calm	----	Calm	----	SE	1	S	1	Calm	----	Calm	----	8	----------	S.-Cu.	9	----------	Cu.	E
Mean	------	0.4	------	0.4	------	0.9	------	1	------	1	------	0.4	8.5	----------	----------	7.3	----------	----------	

TUGUEGARAO.

[$\phi = 17°\ 36'$ N; $\lambda = 121°\ 40'$ E; barometer above sea, 23 meters; gravity correction not applied, —1.61 mm.]

SEPTEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.							Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	52.35	52.32	52.96	50.80	52.49	54.13	23.9	24	27.4	31.4	24.5	25	33.1	23.2	92	91	81	68	96	97	9.6
2	53.21	53.21	53.76	52.07	52.44	54.32	25	24.1	27.7	31.1	27.4	25.5	32.8	23.3	90	96	83	65	81	96	2.3
3	53.09	54.06	54.81	52.89	52.91	54.45	24.8?	24.3	25.8	30	27.6	25.8	32.2	23.5	95	97	84	65	73	91	
4	53.70	54.20	55.20	52.81	53.99	56.22	25.3	24.6	30.1	33.5	27.5	25.6	35.6	24.6	93	97	71	55	81	97	3
5	55.41	55.56	56.47	55.18	55.72	58.47	24.4	23.7	30.5	33.4	30.8	27.5	35.1	23.4	97	97	62	54	64	88	
6	57.97	58.23	59.27	56.53	56.88	59.11	26.2	24.1	31	34.5	30.3	26.4	36.4	24	89	96	62	55	72	89	
7	58.77	58.42	58.86	57.05	57.26	58.18	25.5	23.6	30.5	31	28.5	25.6	35	23.5	93	96	70	72	75	92	
8	57.42	57.85	57.72	56.32	56.72	58.43	24.4	23.5	30.2	29.4	27.7	25	34.6	23.5	91	97	70	77	88	96	10.2
9	57.30	57.13	57.87	55.38	57.02	57.78	24.5	24	29	34	25.2	25.5	37.4	23.6	100	97	80	52	93	97	5.3
10	56.98	56.64	57.41	55.20	56.72	58.07	25.4	24.1	29.8	33.5	25.7	25.2	34	23.6	90	96	75	62	88	94	
11	56.87	56.57	57.42	54.43	55.23	56.98	25.2	24.8	29.5	33	24.1	24.1	35.1	23.4	93	93	83	57	96	94	2.5
12	56.73	56.34	56.83	54.62	54.67	56.49	23.6	23.1	28.2	32.5	28.5	26.1	34	22.7	93	96	77	55	73	92	
13	55.80	56.09	56.68	53.58	54.50	56.07	25.5	24.4	29.2	33.8	28.4	26.2	35.4	24	93	93	79	59	77	92	
14	55.17	54.39	54.11	52.07	52.02	52.73	24.8	23.8	30.2	31.4	28.7	25.7	34.4	23.5	96	97	75	68	77	96	117.7
15	50.91	51.33	51.06	48.13	47.91	48.76	24.4	23.6	23.6	24.9	26.1	24.8	27	23	98	100	98	85	89	96	83.8
16	46.75	47.34	47.97	47.44	48.57	50.14	23.8	23.6	27.1	30.2	27.5	26.3	31.9	23.5	100	97	87	74	92	94	
17	51.05	51.53	52.70	52.18	53.36	55.86	24.5	23.6	31.5	34.3	30.2	24.6	36.5	23	99	97	57	54	74	99	12.2
18	54.13	55.82	56.22	53.66	54.16	56.44	24.3	24	28.4	32.7	28	24.8	34.1	23.6	99	97	79	58	82	98	18.1
19	55.96	55.31	55.84	53.55	53.59	55.67	24.3	23.7	29.3	30.2	27.5	25.8	33.4	23.5	97	97	76	70	88	95	6.1
20	54.66	54.73	55.45	52.73	54.20	56.17	25.5	25.3	30	33.4	27.5	26.2	34.7	24.6	92	97	77	59	82	92	
21	56.01	55.73	56.43	54.06	55.54	56.72	25.5	24	28.7	33.3	26.4	25.5	35	23.5	89	96	80	60	85	92	6.6
22	56.23	57.14	58.21	56.05	57.93	59.89	24.5	23.5	29.4	33.5	24.5	24.4	34.8	23.4	96	99	79	59	96	97	10.2
23	59.02	59.70	60.84	57.77	58.80	61.32	23.9	23.8	28	32.3	27.2	24.8	34.2	23.2	97	97	82	63	83	92	14.9
24	60.65	60.61	61.02	58.48	59.22	60.49	24.5	23.9	28.5	27.8	25.2	24.8	32.8	23.5	93	97	74	83	94	96	2
25	59.59	59.19	60.49	58.42	59.36	60.04	24.4	23.5	28.3	24.1	24.7	24	32	23	97	97	77	96	96	96	32.5
26	58.53	58.20	58.62	57.18	56.64	57.40	23.2	23.1	28	26	25	24.5	31.7	22.7	97	100	81	90	96	99	32.3
27	55.95	54.18	54.06	50.89	49.15	48.74	24.2	23.8	24.6	24.6	24.5	25.2	26.1	23.5	99	100	100	96	92	-----	98.3
28	47.45	46.07	48.57	48.21	50.83	53.09	24.3	24.2	26.6	31	26.7	25.2	31.7	24.1	-----	-----	-----	-----	-----	-----	-----
29	52.74	53.13	54.39	52.97	53.39	54.49	24	23.1	29	31	26.2	24.8	32.1	22.8	94	97	76	75	87	85	-----
30	54.27	54.95	55.84	54.30	54.88	56.27	22.5	21.1	28.2	33.5	27.2	24.7	35	21	89	95	73	54	83	94	-----
Mean	55.16	55.20	55.90	53.83	54.54	56.10	24.5	23.8	28.6	31.2	27	25.3	33.6	23.4	94.5	96.6	77.5	66.9	84.6	94.1	-----
Total	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	467.6

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	Calm	----	Calm	----	SE	1	NE	1	Calm	----	Calm	----	8	Ci.-Cu.	S.-Cu. S	10	----------	Cu.-N. N
2	Calm	----	Calm	----	SE	1	N	1	Calm	----	Calm	----	10	----------	Cu.-N.	8	----------	Cu.-N. N
3	Calm	----	Calm	----	N	2	NE	1	NE	1	Calm	----	10	----------	N.	6	Ci.-S.	Cu.-N. N
4	Calm	----	Calm	----	SE	2	SW	2	SE	3	Calm	----	9	----------	Cu.-N. S	7	----------	Cu. S
5	Calm	----	Calm	----	SE	3	SE	1	Calm	----	Calm	----	2	Ci.	----------	8	----------	Cu. S
6	Calm	----	Calm	----	NW	1	N	1	NW	1	Calm	----	1	Ci.	----------	4	Ci.	Cu. NE
7	Calm	----	Calm	----	NNE	1	Calm	----	NW	1	Calm	----	4	----------	S.	8	----------	cu.-N. NW
8	Calm	----	Calm	----	N	1	NW	1	SE	1	SW	1	5	----------	S.-Cu. NE	10	----------	Cu.-N. N
9	Calm	----	Calm	----	S	1	Calm	----	NW	1	NW	2	9	Ci.	Cu.-N. SW	6	----------	Cu. N
10	Calm	----	Calm	----	NW	1	NW	1	NW	1	Calm	----	4	----------	S.	5	----------	Cu.
11	Calm	----	Calm	----	SE	1	SW	1	W	1	NW	2	10	----------	N.	7	Ci.-S.	Cu. N
12	SW	1	Calm	----	SE	1	NW	2	NW	1	Calm	----	10	----------	N.	6	Ci.	Cu. N
13	SE	1	SSE	1	S	1	NW	1	N	2	Calm	----	10	----------	N. S	7	Ci., Ci.-S.	Cu. N
14	Calm	----	Calm	----	NW	1	N	2	N	2	Calm	----	4	Ci.	S.-Cu.	8	----------	Cu.-N. N
15	SW	1	Calm	----	SW	1	W	1	N	2	NW	2	10	----------	N.	10	----------	N. N
16	S	1	SE	1	S	1	Calm	----	SE	1	S	1	8	----------	Cu.-N. W	10	Ci.-S.	Cu.-N. W
17	S	1	SE	1	SE	2	SE	1	NW	1	Calm	----	5	----------	S.-Cu. S	7	Ci.-S.	Cu.
18	Calm	----	Calm	----	Calm	----	NW	1	NW	2	NW	2	6	Ci.	S.-Cu.	8	Ci.	Cu. NNW
19	NW	1	Calm	----	NW	1	Calm	----	N	1	N	1	8	Ci.	S.-Cu.	9	----------	Cu.-N. E
20	Calm	----	Calm	----	WSW	1	NW	1	NW	2	Calm	----	9	----------	Cu.-N. N	4	----------	Cu.
21	SW	1	S	1	SE	1	N	1	SW	1	NW	1	10	----------	N.	6	----------	Cu. NW
22	NW	1	Calm	----	Calm	----	NW	1	NW	1	Calm	----	0	----------	----------	6	----------	Cu. N
23	Calm	----	Calm	----	Calm	----	NW	1	NE	1	Calm	----	10	----------	N.	4	Ci.	Cu. NE
24	Calm	----	Calm	----	Calm	----	NW	2	SW	1	Calm	----	10	----------	N. NW	10	----------	Cu.-N. NW
25	Calm	----	Calm	----	Calm	----	Calm	----	SE	2	Calm	----	6	----------	S.-Cu. N	10	----------	Cu.-N. S
26	Calm	----	Calm	----	NE	1	N	1	NW	2	NNW	3	10	----------	N.	10	----------	Cu.-N. N
27	NW	2	NW	3	NW	3	NW	3	NW	4	WNW	6	10	----------	Cu.-N. N	10	----------	N. N
28	SW	2	SE	2	S	1	SE	1	Calm	----	Calm	----	10	----------	N.	8	----------	Cu.-N. W
29	Calm	----	Calm	----	S	1	Calm	----	Calm	----	Calm	----	6	----------	S.-Cu. S	8	----------	Cu.-N.
30	Calm	----	Calm	----	Calm	----	Calm	----	NNE	1	Calm	----	6	A.-Cu.	S.-Cu.	3	Ci., Ci.-S.	----------
Mean	-----	0.4	-----	0.3	-----	1	-----	1	-----	1.2	-----	0.7	7.3	----------	----------	7.4	----------	----------

TUGUEGARAO.

[ϕ=17° 36′ N; λ=121° 40′ E; barometer above sea, 23 meters; gravity correction not applied, —1.61 mm.]

OCTOBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	56.44	57.24	58.08	55.71	56.82	59.03	24.2	22.2	28.7	33	27	24	33.6	22	97	98	77	56	72	92	21.6
2	58.69	58.73	60.24	57.85	58.54	59.75	23.4	23	26.5	30.7	25.2	24.6	32.6	23	97	100	87	73	87	92	4.6
3	59.09	59.51	59.39	57.31	56.37	59.09	23.7	23.6	26.2	27.3	25.8	24	30.5	23.1	96	98	90	86	98	97	9.4
4	58.56	58.94	59.99	57.71	58.33	59.89	23.4	22.5	25.9	29.1	25.5	23.5	30.5	22.3	98	98	88	70	88	97	3.3
5	59	59.40	60.53	57.87	58.76	59.66	22.6	22.1	28	29	24.2	23.6	30.7	21.9	98	99	79	71	94	97	3.3
6	58.56	58.71	60.54	57.67	58.95	60.72	23.3	23.4	28	31.8	25.7	24	33	22.6	100	100	81	69	78	96	16.3
7	59.73	60.11	61.47	58.79	59.19	60.22	23.6	23.1	26.6	31	26.6	24.6	32.4	22.3	96	97	89	69	88	93	------
8	59.36	59.19	59.77	56.86	57.22	58.30	24.3	23.9	26.2	30.3	26	24.8	30.8	23.5	94	97	90	76	93	98	19.3
9	57.04	56.70	57.27	55.33	55.45	56.67	24.3	23.8	27.2	26.1	25.5	25.1	30.3	23.4	99	99	83	91	93	96	23.5
10	55.52	54.96	56.04	52.55	52.97	54.45	24.4	24.3	26.5	30.6	22.9	24.4	31.5	22.4	94	97	91	71	93	95	18.8
11	54.36	55.61	57.78	56.55	56.74	58.99	25.1	24.6	25.6	26	24.6	23.8	27.8	23	91	97	87	88	99	98	53
12	58.85	58.80	60.44	58.22	58.63	60.06	22.7	22.3	26.3	28.6	25.4	23.5	30.6	21.4	97	98	86	80	97	94	------
13	59.26	59.43	60.67	58.07	58.24	59.89	23.5	23.3	26.7	27.7	26.2	24.7	29	23.1	97	99	86	81	90	98	11.5
14	58.66	58.39	59.32	57.41	57.84	59.45	24.1	24.1	26.2	29.3	26	24.3	31.6	23.5	96	97	90	76	93	96	------
15	58.60	58.69	58.84	56.40	56.82	58.58	24	23.8	28.3	32	26.8	24.9	32.8	23	97	97	81	71	87	95	------
16	58.65	58.69	59.94	57.40	58.68	60.18	24.1	24	28.2	30.4	25.5	24	31.4	22.4	97	94	84	76	80	87	------
17	59.44	59.11	60.35?	58.72?	58.29	59.99	23	22.4	26.2	28.4	24.5	24.1	30.4	21.4	91	95	84	82	97	97	16.3
18	59.41	59.55	60.79	59.32	59.93	61.64	23.7	23.5	25.7	26.2	24.6	24.2	28	22.6	99	98	93	90	97	97	12.4
19	61.16	61.32	62.58	60.24	60.97	62.08	23.6	23.4	27.2	30.2	25.5	24.2	31.5	23	98	98	79	59	89	91	1
20	61.72	61.85	62.60	59.88	60.54	61.86	23.2	22.4	27.3	29	25.5	24.4	30.4	22	95	98	75	64	77	85	------
21	61.23	61.15	62.69	60.27	61.07	62.16	23.5	22.6	25.4	29.6	24	24.4	31.5	22.6	89	97	86	74	97	95	2
22	60.61	61.33	61.75	59.17	59.34	61.22	23.8	23.5	28	30.1	25.8	24.1	31.3	23.3	97	97	77	75	85	95	------
23	59.75	60.16	60.86	58.73	58.97	60.51	24	23.5	25.3	25.7	25.4	23.4	30.3	22.7	94	97	98	93	98	97	8.9
24	59.85	60.01	61.03	58.35	58.64	60.19	23	22.6	26.4	30.2	26.6	24.7	33	22.1	97	100	85	68	70	83	------
25	59.18	59.61	60.18	58.05	58.64	59.54	23.4	23	28.6	29.5	25.2	24.1	30.6	22.8	94	97	75	71	88	96	------
26	57.88	57.39	57.59	55.49	54.32	51.33	23.7	23.6	26	25.2	24	23.3	27.5	22.9	97	99	85	88	96	------	133.7
27	40.43	49.75	54.21	54.77	55.94	58.03	23.4	23.7	25.7	24.5	25.2	24.5	26.7	23.3	------	------	------	------	------	------	25.7
28	58.20	58.61	60.16	57.35	57.93	60	23.3	22.7	27.6	31.7	28.5	24.8	32.5	22.4	96	96	81	66	78	93	------
29	58.54	58.88	59.83	57.84	58.35	60.27	23.4	22.2	28.2	32.7	28.2	25	34.5	21.8	97	99	77	61	84	93	------
30	59.51	60.31	61.12	58.85	59.35	61.52	23.3	22.2	28.1	32	28.2	25	34.2	21.9	94	95	77	72	81	92	------
31	60.69	61.11	61.51	59.30	59.66	61.37	23.4	23.1	28.4	33.4	27.8	24.9	34.3	22.5	97	97	78	68	83	95	------
Mean	58.32	58.81	59.92	57.68	58.11	59.57	23.6	23.2	26.9	29.4	25.7	24.3	31.2	22.6	96	97.6	84	74.5	88.3	94.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	384.6

Day.	Wind.												Clouds.							
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.				
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.		
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*				
1	Calm	----	Calm	----	SE	1	N	1	NE	1	Calm	----	0	----------	----------	7	----------	Cu.-N.	NE	
2	Calm	----	Calm	----	S	1	Calm	----	NW	1	NW	1	8	----------	Cu.-N.	10	----------	Cu.-N.	W	
3	NW	2	Calm	----	Calm	----	SSW	1	NW	1	NW	2	10	----------	Cu.-N.	10	----------	Cu.-N.	S	
4	NW	2	Calm	----	NW	1	N	2	NNW	2	NW	2	8	----------	Cu.-N.	10	----------	Cu.-N.	NE	
5	Calm	----	Calm	----	N	2	N	1	NW	2	NW	1	4	----------	S.-Cu.	6	----------	Cu.	N	
6	Calm	----	Calm	----	Calm	----	NW	1	NW	1	Calm	----	10	----------	Cu.-N.	8	----------	Cu.-N.	N	
7	Calm	----	Calm	----	Calm	----	N	2	NW	1	NW	1	10	----------	Cu.-N. N	6	----------	Cu.	N	
8	Calm	----	NW	1	NW	1	NW	2	NW	3	NW	1	10	----------	Cu.-N. NE	7	----------	Cu.-N.	N	
9	Calm	----	Calm	----	NNW	1	NE	2	Calm	----	Calm	----	10	----------	Cu.-N.	10	----------	Cu.-N.	N	
10	SW	1	SW	1	S	2	SE	2	SE	3	Calm	----	10	----------	N.	10	Ci.-S.	Cu.-N.		
11	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	10	----------	N.	8	----------	Cu.-N.		
12	Calm	----	Calm	----	Calm	----	Calm	----	NW	1	NW	1	10	----------	Cu.-N.	10	----------	Cu.-N.	N	
13	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	8	----------	Cu.-N.	10	Ci.	Cu.-N.	NW	
14	Calm	----	Calm	----	Calm	----	N	1	NW	1	NW	1	10	----------	Cu.-N.	6	----------	Cu.-N.	N	
15	Calm	----	N	1	N	1	NW	1	NW	1	NW	1	10	----------	Cu.-N. E	5	----------	Cu.	E	
16	Calm	----	N	2	N	1	NE	1	NE	2	NE	3	8	----------	Cu.-N. E	6	Ci.	Cu.	E	
17	NE	1	NE	1	NE	1	NE	1	NE	2	NW	1	8	----------	Cu.-N. NE	10	----------	Cu.-N.	N	
18	Calm	----	Calm	----	Calm	----	Calm	----	NW	1	Calm	----	10	----------	N.	10	----------	Cu.-N.	NE	
19	Calm	----	Calm	----	NE	2	N	2	N	1	NW	2	10	----------	N.	2	----------	Cu.		
20	NE	2	NE	1	N	3	NW	2	NW	2	NW	2	4	----------	S.-Cu.	6	----------	Cu.	NE	
21	Calm	----	ESE	1	Calm	----	Calm	----	N	1	Calm	----	10	----------	N.	9	Ci.	Cu.-N.	E	
22	NE	1	N	1	N	1	NE	2	NE	2	N	2	7	----------	Cu.-N. N	6	----------	Cu.	NE	
23	Calm	----	Calm	----	Calm	----	SE	1	Calm	----	Calm	----	7	----------	S.-Cu.	10	----------	N.		
24	Calm	----	Calm	----	NE	1	NW	1	NW	1	NW	1	10	----------	N.	6	----------	Cu.	E	
25	Calm	----	Calm	----	NW	1	N	2	NW	2	N	3	10	----------	N.	7	----------	Cu.-N.	N	
26	NW	3	N	1	NW	3	NW	3	NW	3	NW	7	5	----------	N.-cf. N	10	----------	Cu.-N.	E	
27	NW	12	SSW	8	SE	5	S	4	SSE	2	SE	2	10	----------	N.	10	----------	N.		
28	Calm	----	Calm	----	S	1	S	2	SW	1	Calm	----	6	Ci.	S.-Cu.	4	Ci.	Cu.	SE	
29	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	0	----------	----------	6	----------	Cu.	S	
30	Calm	----	S	1	Calm	----	SE	1	Calm	----	Calm	----	2	----------	S.	3	----------	Cu.	S	
31	Calm	----	Calm	----	E	1	N	1	N	1	NE	1	6	----------	S.-Cu.	2	----------	Cu.		
Mean	------	0.8	------	0.6	------	1	------	1.3	------	1.3	------	1.1	7.8	----------	----------	7.4	----------	----------		

TUGUEGARAO.

[$\phi = 17°\ 36'$ N; $\lambda = 121°\ 40'$ E; barometer above sea, 23 meters; gravity correction not applied, —1.61 mm.]

NOVEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.86	61.16	62.10	59.07	60.09	61.38	23.5	23	28.2	32.3	25.6	24.8	33	22.4	97	97	80	74	93	94	------
2	60.45	60.99	61.52	58.30	59.05	60.79	24.2	23.5	28.2	32.2	28	25.1	33.7	22.5	91	96	80	57	78	86	------
3	59.44	59.82	60.65	57.55	58.54	60.49	23.2	22	28.5	33.1	28.5	26	34.6	21.6	93	95	78	49	79	85	------
4	59.94	60.29	60.66	57.94	59.14	60.87	24.4	22.6	28.8	33.5	28.2	24	35.1	22.4	89	95	72	60	77	93	------
5	59.99	61.34	62.02	59.35	60.26	61.41	22.8	20.2	28.4	32.3	25.6	21.6	32.6	20	95	96	79	60	81	98	------
6	60.96	61.40	62.78	60.12	60.72	61.73	21.4	21.8	27.2	31.8	25.3	24	32.5	21	98	94	80	66	80	93	1.8
7	61.14	61.67	63.27	60.60	61	62.57	22.2	22	24.6	26.6	24.9	23.7	28.1	21.5	95	98	97	91	98	99	13.8
8	62.01	62.64	63.38	61.42	61.22	62.33	23.8	23.5	28.1	25.4	25	23.5	29.5	22.6?	96	96	90	91	90	96	4.6
9	61.41	60.95	61.98	59.28	59.77	61.51	23.4	23	27.2	30.2	25.4	23.6	32.4	22.3	95	93	84	68	85	97	------
10	60.83	60.79	62.12	60.15	59.94	61.47	23.5	22.7	26	29	25.6	23.9	32.5	22.3	97	95	84	85	93	97	8.6
11	61.10	61.69	62.70	60.62	61.30	62.79	23.1	22.5	26.2	28.8	26.2	24.3	30.5	22.2	97	96	84	79	82	91	------
12	62.14	62.33	63.31	60.89	60.54	61.47	22.8	22	27.2	29.6	26.4	24.1	32	21.2	97	98	79	74	84	94	------
13	60.78	60.73	61.31	58.70	58.84	60.04	23.4	23.2	27	29	26.5	24.4	32.2	21.7	92	95	83	71	80	92	------
14	59.64	59.38	60.77	58.47	59.59	61.01	23.6	23.5	27.1	31.2	26	22.6	31.4	22	97	96	80	63	73	96	------
15	60.87	61.67	62.84	60.54	61.02	61.87	22.2	21.6	23.5	27.4	23.2	23.2	27.7	21.2	96	96	90	81	97	94	22.9
16	60.59	61.01	62.42	60.67	60.90	61.79	22.8	22.6	25.6	26.1	23.8	23.2	28.5	22	96	96	84	89	95	97	14.3
17	60.67	60.71	62.18	60.09	60.74	61.72	22.9	22.6	22.6	26.1	23.6	22.5	27	21.4	97	97	99	82	97	97	12.2
18	60.66	60.30	61.21	58.34	58.64	59.91	21.8	21	24.5	29.1	26.6	23.7	30	20.6	97	98	90	73	84	97	4.1
19	59.30	59.93	60.76	57.77	58.89	60.08	23.6	23.5	28	31	26.2	24.4	32.8	23	97	97	77	69	88	88	12.2
20	59.39	59.90	61.29	59.21	59.81	60.85	23.7	22.8	23.5	26	23	22.6	27	22	96	98	93	85	96	93	23.4
21	60.15	60.01	61.31	59.27	59.85	61.05	22.2	21.6	25.6	27.2	25.5	21.2	28	20.8	89	88	84	72	60	90	------
22	60.16	60.61	61.30	58.93	59.61	61.02	20.7	20.4	24.5	27.4	24	22.4	28.7	19.3	90	87	87	72	89	86	------
23	60.50	60.62	61.54	58.82	59.30	60.91	19.6	18.3	25.7	29	24.6	23.2	30.4	18	91	99	81	65	82	90	------
24	59.95	59.96	61.16	59.34	60.51	61.31	22.3	21.8	24.8	26.1	23.4	21.7	28	21	93	96	75	68	80	83	------
25	60.46	59.85	59.85	57.47	57.41	58.14	21.4	21.1	24	26.8	23.8	23.5	27.6	20.6	85	89	81	75	97	97	6.7
26	57.81	57.79	58.97	56.43	57.25	58.71	23.2	23.1	27.7	31.5	27.1	24.5	32.5	22.5	98	97	84	59	80	91	------
27	59.15	60.28	61.37	59.19	59.21	60.60	22.8	22.5	27.7	29.4	26.7	23.5	32.4	22.1	96	96	80	78	83	92	------
28	60.04	60.11	61.84	58.55	58.94	60.36	21.8	20.2	25.5	28.4	26	23.8	30	20	96	97	80	72	89	96	2.3
29	59.71	59.68	60.67	58.76	59.96	60.89	23.1	22.7	27.1	27.6	22.7	22.3	30.1	21.9	97	98	85	79	99	99	67.6
30	60.15	59.49	60.96	59.32	60.06	61.51	22	21.8	22	22	21.1	20.9	23.7	20.6	98	96	100	96	98	95	57.3
Mean	60.34	60.57	61.61	59.17	59.74	61.02	22.7	22.1	26.2	28.9	25.3	23.4	30.5	21.4	94.7	95.5	84	73.1	86.2	93.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	251.8

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		*0–12*		*0–12*		*0–12*		*0–12*		*0–12*	*0–10*			*0–10*		
1	Calm	----	Calm	----	E	1	NE	1	SE	1	Calm	----	6	----------	S.-Cu.	6	----------	Cu. S
2	Calm	----	SW	1	SSE	2	SE	1	Calm	----	Calm	----	10	----------	N.	4	Ci.	Fr.-Cu.
3	Calm	----	Calm	----	Calm	----	S	1	Calm	----	Calm	----	1	Ci.	----------	6	Ci.	Cu.
4	Calm	----	Calm	----	S	1	NE	1	NE	1	Calm	----	0	----------	----------	6	----------	Cu. E
5	Calm	----	Calm	----	Calm	----	NW	1	N	1	NE	1	0	----------	----------	4	Ci.	Cu. NE
6	Calm	----	Calm	----	E	1	NE	2	Calm	----	NE	1	6	----------	S.-Cu. N	6	Ci.	Cu. E
7	Calm	----	Calm	----	SE	1	Calm	----	Calm	----	Calm	----	10	----------	N.	10	----------	Cu.-N. E
8	Calm	----	Calm	----	N	1	Calm	----	Calm	----	Calm	----	8	----------	Cu.-N. N	10	----------	Cu.-N.
9	Calm	----	Calm	----	Calm	----	Calm	----	NE	1	Calm	----	7	----------	Cu.-N.	5	----------	Cu. SE
10	Calm	----	Calm	----	Calm	----	Calm	----	NW	2	NW	1	9	----------	Cu.-N. SW	8	----------	Cu.-N.
11	Calm	----	Calm	----	N	1	Calm	----	Calm	----	Calm	----	10	----------	Cu.-N.	7	----------	Cu. E
12	Calm	----	Calm	----	Calm	----	NE	1	Calm	----	Calm	----	8	----------	Cu.-N.	6	----------	Cu, E
13	Calm	----	SW	1	Calm	----	NE	1	Calm	----	NE	1	10	----------	N.	8	----------	Cu.-N.
14	Calm	----	Calm	----	Calm	----	Calm	----	NE	1	Calm	----	8	----------	S.-Cu.	3	----------	Cu.
15	Calm	----	Calm	----	Calm	----	N	2	N	1	NW	3	10	----------	Cu.-N.	10	----------	Cu.-N.
16	Calm	----	Calm	----	Calm	----	NW	1	NW	1	NW	1	10	----------	N.	10	----------	Cu.-N.NW
17	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	10	----------	N. N	10	----------	Cu.-N. W
18	Calm	----	Calm	----	Calm	----	N	1	NE	1	Calm	----	8	----------	N.	5	----------	Cu. NW
19	Calm	----	Calm	----	SSW	1	SW	1	NW	1	NW	1	10	----------	N. N	4	----------	Cu.
20	Calm	----	Calm	----	NW	2	N	3	NW	2	NW	2	10	----------	N.	10	Ci.-S.	Cu.-N.
21	NE	1	N	1	N	2	N	2	NE	1	NW	1	6	----------	Cu.-N. NE	7	Ci.	Cu. N
22	N	1	Calm	----	N	1	NNE	2	WNW	1	N	1	10	----------	S.-Cu.	4	----------	Cu. N
23	NW	1	Calm	----	N	1	N	2	NW	1	NW	1	4	----------	S.-Cu.	6	----------	Cu. E
24	NW	1	NW	1	NW	2	N	3	N	2	NW	2	10	----------	N.	9	----------	Cu.-N.NE
25	NW	2	NW	1	N	2	NNE	3	NE	2	Calm	----	8	----------	S.-Cu. E	10	----------	Cu.-N.NE
26	Calm	----	Calm	----	SE	1	SE	1	Calm	----	Calm	----	10	----------	Cu.-N.	5	Ci.	Cu. S
27	Calm	----	Calm	----	Calm	----	NE	1	Calm	----	Calm	----	8	----------	S.-Cu. S	7	Ci.	Cu. NE
28	Calm	----	Calm	----	Calm	----	Calm	----	NW	1	Calm	----	8	----------	S.-Cu.	8	----------	Cu. E
29	Calm	----	Calm	----	NE	1	SE	1	N	1	Calm	----	10	----------	Cu.-N.	10	----------	Cu.-N.SSE
30	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	10	----------	N.	10	----------	N.
Mean	------	0.2	------	0.2	------	0.7	------	1.1	------	0.7	------	0.5	7.8	----------	----------	7.1	----------	----------

TUGUEGARAO.

[$\phi = 17°\ 36'$ N; $\lambda = 121°\ 40'$ E; barometer above sea, 23 meters; gravity correction not applied, —1.61 mm.]

DECEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°C.	°C.	°C.	°C.	°C.	°C.	°C.	°C.	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.50	60.57	61.79	59.20	59.87	61.99	20.7	20.6	24.8	31.2	26	23.2	32	20.4	97	98	88	68	89	94	------
2	60.96	61.41	62.92	59.92	59.89	61.68	21.7	20.6	25	29.6	26.6	23	32	20	95	96	85	74	83	93	------
3	60.34	61.05	61.67	58.85	59.17	60.29	21.6	21.1	25.8	29.5	24.6	23	30	20.6	99	100	85	72	97	97	------
4	59.56	59.34	60.66	57.99	58.13	58.71	22.5	22.3	25.2	24.5	23.8	23.5	27.5	21.5	97	97	83	89	89	89	4.6
5	57.32	57.44	58.96	57.28	57.84	59.36	22.8	22.5	24.6	25.3	23.5	23.1	26.6	22	95	97	83	88	89	92	4.1
6	59.04	59.81	61.34	59.68	60.69	62.72	22	21.5	24.1	25.5	21.7	20.5	27.1	19.6	96	98	93	76	87	93	------
7	62.31	62.81	64.10	61.78	61.99	63.36	19.3	18	24.5	26.2	21.8	19.5	28.6	17.7	94	98	76	83	87	95	------
8	63	63.01	64.05	61.57	62.23	63.92	18.6	17.4	22	24	22.4	20.2	27.7	16.7	94	94	88	78	82	90	3.3
9	63.50	63.74	65.44	63.72	63.80	65.09	20.1	20	22.6	26	22.8	21.5	27	19.4	91	92	91	65	81	88	------
10	64.58	64.68	66.48	64.26	64.72	65.80	21.5	20.8	24	24.9	21.7	21.1	27.2	20.5	89	92	83	73	97	95	------
11	64.68	64.46	65.59	63.69	63.69	64.58	20.5	20.2	23.3	24.2	24	22.8	26.5	19.5	95	94	85	91	90	98	8.4
12	64.28	63.92	64.94	62.87	63.11	64.69	22.4	22	24.2	25.6	25	22	27.6	20.4	97	96	94	91	92	98	------
13	64.29	64.19	65.14	62.22	62.72	64.01	20.3	19.4	24.2	28.6	25	22.8	31	18.7	97	98	88	79	80	95	------
14	63.98	63.84	64.49	61.49	61.97	63.06	20.2	19.4	25.5	31.4	26.5	23.5	32.5	19.1	96	94	76	53	78	91	------
15	61.85	62.24	63.24	61.15	61.82	62.64	21.5	20.8	25.8	30.2	24.5	24	31	20.5	93	96	84	59	94	93	4.6
16	62.38	63.32	63.55	61.05	61.27	62.53	23	22	23.6	28.4	26	21.2	30.5	19.7	92	96	93	67	79	89	------
17	62.12	62.20	62.89	60.82	61.66	62.34	19.6	18.8	24.7	28.8	24.8	23.5	31	18.2	91	94	76	64	87	91	------
18	61.73	61.74	62.71	59.51	59.02	60.36	22.8	22.1	25.1	29.6	26.7	21.7	31.8	20	91	90	82	58	85	87	------
19	59.75	59.88	61.62	58.88	59.60	60.90	20.4	20.1	23.5	24.4	24	22.5	27.3	19.1	90	97	87	88	93	97	6.1
20	60.34	60.41	61.74	59.29	60.19	61.29	22.1	21.8	25	28.4	23.4	22.3	29	21	99	98	87	73	93	92	------
21	60.42	60.71	61.78	59.13	59.32	61.27	21.4	21.1	25.5	29	24.8	20.8	30.1	20.5	93	97	84	71	79	97	------
22	60.71	61.34	62.79	59.93	60.69	62.68	19.8	19	24.7	29.2	24.5	21	30.1	18.5	97	96	80	53	73	95	------
23	62.82	63.19	64.21	61.87	62.20	64.02	20.3	20.4	25	29	24.4	22.1	30	19.8	97	99	80	57	82	87	------
24	63.45	63.24	64.57	62.43	63.19	64.99	20.6	21	24	26.6	22.5	20.8	28.3	19.9	100	96	81	67	89	98	------
25	64.69	64.71	65.99	63.92	64.18	65.59	20.8	20.6	22.2	24.1	23	21.7	27.1	20	96	96	95	87	90	98	11.7
26	64.67	64.75	65.47	63.27	63.09	63.82	21.6	21.5	21.6	22.7	22.5	21.6	23.7	20.7	98	97	99	98	100	100	138.9
27	63.72	63.12	63.93	61.67	61.53	62.22	21.4	21.6	24	27.2	25.2	24.1	29	20.7	100	97	97	73	87	88	------
28	61.48	61.69	62.84	60.97	62.24	63.62	23.3	21.4	24.6	28.6	25	23	30.1	20.7	93	98	83	70	88	93	------
29	63.15	63.65	64.92	63.08	63.94	65.33	22.1	21.5	23.7	24.6	22.6	22.1	26	20.6	92	92	91	88	97	91	------
30	64.78	64.44	65.34	63.39	63.06	64.87	21.6	20.6	24	25	24.2	22.6	26.7	20.5	93	96	85	82	91	96	1.5
31	63.87	64.04	64.68	63.12	63.89	64.82	22	21.5	24.1	26.2	22.6	22.2	28.1	21	96	97	92	79	98	96	18.1
Mean	62.27	62.42	63.54	61.23	61.64	62.98	21.2	20.7	24.2	27	24.1	22.2	28.8	19.9	94.9	96	86.3	74.6	87.9	93.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	201.3

Day.	Wind.												Clouds.					
	2 a. m.		6 a. m.		10 a. m.		2 p. m.		6 p. m.		10 p. m.		6 a. m.			2 p. m.		
	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Direction.	Force.	Amount.	Form and direction. Upper.	Form and direction. Lower.	Amount.	Form and direction. Upper.	Form and direction. Lower.
		0–12		0–12		0–12		0–12		0–12		0–12	0–10			0–10		
1	Calm	----	Calm	----	SW	1	Calm	----	Calm	----	Calm	----	8	----------	Cu.-N.	4	Ci.	Cu.
2	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	NE	1	0	----------	----------	6	Ci.	Cu.
3	Calm	----	Calm	----	Calm	----	NW	1	NW	1	NW	2	8	----------	S.-Cu.	7	----------	Cu. N
4	NW	2	NW	2	NW	2	N	2	NW	3	NW	2	8	----------	Cu.-N.	10	----------	Cu.-N. N
5	NW	3	NW	3	NW	3	NW	3	N	2	NW	2	10	----------	Cu.-N. N	10	----------	Cu.-N. N
6	N	3	Calm	----	NW	1	NW	2	N	2	Calm	----	10	----------	N.	10	----------	Cu.-N. NW
7	Calm	----	Calm	----	NNW	1	NW	2	NW	2	NW	1	0	----------	----------	6	----------	Cu. N
8	Calm	----	Calm	----	Calm	----	NE	2	N	1	Calm	----	8	----------	S.-Cu.	2	----------	Cu.-N. N
9	Calm	----	SE	1	Calm	----	NE	1	NE	2	N	2	10	----------	N. N	6	A.-Cu.	Cu.
10	NE	1	N	3	NE	3	NNE	2	NE	2	N	2	8	----------	S.-Cu. N	9	----------	S.-Cu. NE
11	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	8	----------	S.-Cu. NE	10	----------	N.
12	Calm	----	Calm	----	Calm	----	Calm	----	N	1	Calm	----	10	----------	N.	10	----------	Cu.-N. NW
13	Calm	----	Calm	----	SE	1	N	1	Calm	----	Calm	----	8	----------	S.-Cu.	5	----------	Cu. E
14	Calm	----	Calm	----	S	1	S	1	Calm	----	Calm	----	0	----------	----------	2	----------	Fr.-Cu.
15	Calm	----	Calm	----	NW	1	NW	1	NW	1	Calm	----	0	----------	----------	7	Ci.	Cu.
16	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	Calm	----	10	----------	S.-Cu.	6	A.-Cu. S	Fr.-Cu.
17	Calm	----	SE	1	Calm	----	E	1	SE	1	SW	1	0	----------	----------	8	----------	Cu. N
18	Calm	----	Calm	----	Calm	----	N	1	Calm	----	Calm	----	8	----------	S.-Cu.	4	----------	Cu. NE
19	Calm	----	Calm	----	N	1	NNE	1	NE	2	NW	2	8	----------	S.-Cu. N	10	----------	N. N
20	NW	1	NW	1	NW	2	N	2	NW	2	NW	2	8	Ci.-S.	S.-Cu. N	6	Ci.	Cu.
21	Calm	----	Calm	----	NW	1	N	1	N	2	Calm	----	9	----------	S.-Cu. N	4	----------	Cu. N
22	Calm	----	Calm	----	N	1	N	1	NNE	2	N	1	8	----------	S.-Cu. ENE	4	----------	Fr.-Cu. E
23	Calm	----	Calm	----	Calm	----	SE	2	Calm	----	NE	1	6	----------	S.-Cu. NW	5	----------	Fr.-Cu. SE
24	NE	1	N	1	N	1	NE	1	N	2	NE	2	8	----------	S.-Cu. N	6	----------	S.-Cu. E
25	N	1	NW	1	N	1	NE	1	NW	1	Calm	----	10	----------	N.	10	----------	N. N
26	Calm	----	Calm	----	NW	1	NW	1	NW	1	N	2	10	----------	N.	10	----------	N. N
27	Calm	----	Calm	----	NW	1	Calm	----	Calm	----	Calm	----	10	----------	N.	10	----------	cu.-N.ENE
28	Calm	----	Calm	----	Calm	----	N	1	NW	2	NW	2	6	----------	S.-Cu. NW	3	----------	Fr.-Cu.
29	NW	1	Calm	----	N	1	NW	2	NW	3	NW	3	10	----------	N.	10	----------	Cu.-N. N
30	NW	3	NW	3	NW	2	NW	2	NW	1	NW	1	8	----------	S.-Cu. N	10	----------	Cu.-N. N
31	Calm	----	Calm	----	NW	1	NW	2	N	3	NW	2	8	----------	Cu.-N. N	10	----------	Cu.-N. N
Mean	------	0.5	------	0.5	------	0.9	------	1.2	------	1.3	------	1	7.2	----------	----------	7.1	----------	----------

APARRI.

[$\phi = 18°\ 22'$ N; $\lambda = 121°\ 38'$ E; barometer above sea, 5 meters; gravity correction not applied, —1.57 mm.]

JANUARY, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.87	60.99	61.78	59.44	60.59	61.43	22.2	21.4	26.2	27.8	25	23.2	30	20.6	89	91	77	70	83	94	------
2	61.35	61.71	62.74	61.41	62.16	63.26	22.4	22.8	25	24	23.5	22.4	28.5	21.7	96	95	88	90	89	93	17.7
3	63.10	63.76	65.28	63.42	64.17	64.94	22	21.3	22.2	22.4	21.5	21.4	24	20.7	96	95	89	88	91	91	9.2
4	64.36	64.56	65.15	63.30	63.64	63.87	21	21	23.8	24.5	22.4	22.6	25	20.6	95	95	77	76	86	84	------
5	63.65	63.21	64.06	61.52	61.38	62	21.9	21.4	25.4	28.5	24.5	22.1	29.3	20.7	90	95	73	63	74	90	------
6	62	62.57	63.31	61.20	62.33	62.64	20.9	20.2	24.5	26.6	24.5	23.6	27.5	19.4	92	96	75	64	76	83	------
7	62.59	62.97	63.64	62.30	62.93	63.13	23.2	21.5	25.1	22.2	21.4	20.9	26.4	20.5	84	91	76	89	92	93	6.8
8	63.07	63.25	63.40	60.81	60.97	61.47	20.9	20.6	21.9	23.5	22	21.2	24.6	20.1	92	94	83	76	87	94	------
9	60.72	60.66	61.07	59.44	61.83	62.30	20.8	20	24.5	22.6	22.4	21.2	28.6	19.6	93	95	78	91	83	89	3.1
10	62.22	62.95	63.67	61.74	62.96	63.48	20.3	20	21.7	22.9	21.9	21.5	23.8	19.6	92	94	92	83	86	95	4
11	63.30	63.92	65.05	62.64	63.75	64.25	21.1	21.1	24.6	24	22.1	22	25.4	20.6	94	94	80	81	92	91	------
12	63.57	64.05	65.14	62.73	63.26	64.45	22	22	24	24	22.9	21.8	25.5	21.1	89	89	80	81	83	89	------
13	63.47	63.41	64.49	61.41	61.83	63.66	21.1	20.5	25.6	26.2	24	22.5	28.4	20.1	94	95	75	70	81	87	------
14	63.07	63.12	64.43	61.83	62.56	63.79	22	21	26.4	27.7	25	23.9	28.5	20.9	91	95	76	69	82	84	1.3
15	63.20	63.61	64.90	62.15	62.18	63.43	23.1	22.1	25.9	26.5	24.2	23.5	27.5	21.1	87	90	72	71	86	87	------
16	63.27	63.22	64.48	62.50	63.15	64.28	22.1	22	25.4	27.2	24.8	24.8	28.5	21.1	90	89	79	74	83	82	------
17	63.64	63.76	65.45	63.69	63.81	64.57	24	23.4	25.9	26.6	24.5	24.1	28.7	22.6	81	80	74	71	78	79	------
18	63.30	63.87	64.98	62.54	62.98	64.12	23	22.6	25.1	27.5	24.6	22.9	28.7	21.1	88	90	81	70	82	87	1.3
19	64	64.73	66.25	64.16	64.32	65.23	21.1	20.6	26	27.3	23.9	21.6	28.3	20.1	90	94	72	66	74	86	------
20	64.65	64.75	65.88	63.38	62.82	63.71	19.2	19.7	24	25	23.1	21.9	26.1	18.1	94	93	79	74	77	83	------
21	63.40	63.65	64.53	62.43	62.60	63.55	20.4	19.7	24.8	27.1	24.8	22.1	28.8	18.6	91	93	73	68	75	90	------
22	62.98	63.15	64.29	62.09	61.93	62.54	20.7	20.8	25.6	26.7	23.4	22.2	29.5	19.8	94	94	67	70	80	83	------
23	62.32	62.47	64.08	61.90	61.78	62.79	21	20.4	24.3	28.5	23.8	21.9	29	20	85	87	74	67	81	90	------
24	62.81	63.42	64.40	62.21	61.98	63.39	19.8	19.4	25	27.7	25.2	21.8	29	18.9	89	91	64	64	74	91	------
25	63.18	63.40	64.77	62.18	62.23	63.39	20.9	19.5	24.2	27.1	24.8	22	28.5	18.8	92	93	77	69	79	91	------
26	63.30	63.53	65	62.89	63.46	65.03	21.3	20.2	23.1	26.2	25.2	23.2	28.4	19.4	92	92	82	76	74	84	------
27	64.98	65.23	66.70	64.34	64.78	65.79	22.1	20.1	24.6	27	24.5	23.2	28.2	19.4	88	95	80	68	73	81	11.4
28	65.55	65.70	66.58	64.22	64.40	65.68	22.1	20.9	23	25.9	22.5	21.6	26.6	20	87	94	81	68	85	86	34.1
29	65.31	65.55	66.76	64.58	65.26	66.32	21.4	20.9	21.2	21.5	20.1	20.7	22.5	19.5	85	84	87	85	88	82	50.2
30	65.65	65.77	67.04	65.17	65.37	66.19	20.1	19.8	20	20.1	19.9	19.9	21.5	18	88	90	94	94	85	84	31.5
31	65.82	65.30	66.10	63.98	64.08	64.81	19.6	20.7	22	22.8	21.2	21.1	24.2	18.5	87	91	88	80	91	92	14.4
Mean	63.38	63.62	64.69	62.50	62.95	63.85	21.4	20.9	24.2	25.4	23.3	22.2	27.1	20	90.2	92.1	78.8	75	82.3	87.6	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	185

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	SE	SE	N	E	NE	46.9	61.5	65.2	14.2	187.8	0			1		Cu.-N. S
2	NE	NE	NE	NE	NE	NE	45.9	62.1	151.5	175.4	434.9	10	A.-Cu. SE	S.-Cu. N	10		N. NE
3	NE	NE	NE	NE	ENE	ENE	196	185.3	184.7	190.5	756.5	10		N. ENE	10		Cu.-N. NE
4	ENE	ENE	E	E	E	E	152.6	136.8	147.3	98.5	535.2	10		S.-Cu. ENE	8	A.-Cu. SE	S.-Cu.
5	E	E	E	SE	E	E	41.3	44.9	85.8	29.9	201.9	3		S.-Cu.	0		
6	E	E	E	NE	NE	E	44.8	35.4	104	92.5	276.7	8	A.-Cu. S	S.-Cu.	0		
7	NE	NE	E	ENE	E	ENE	69.3	95.9	126.6	147.3	439.1	7		Cu.-N. E	10		N. ENE
8	E	E	E	E	E	E	123.9	119.1	104	20.4	367.4	10		S.-Cu. E	10		S.-Cu. E
9	E	SE	S	NW	NW	N	44.9	120.4	178.3	101.3	444.9	0			10		N. NW
10	N	N	SE	NE	E	NE	54.5	38.1	119.4	110.7	322.7	10		N.	10		S.-Cu. E
11	NE	NE	NE	NE	NE	NE	76.4	75.1	131.2	140.8	423.5	10		S.-Cu.	10		S.-Cu.
12	E	E	E	E	E	E	105.7	126.3	119.6	60.5	412.1	10		S.-Cu. E	10		S.-Cu.
13	E	E	E	NE	E	E	26.4	57.9	85.8	37.7	207.8	10		S.-Cu. E	0		
14	E	E	E	NE	NE	NE	33.1	41	75	81.2	230.3	0			0		
15	NE	NE	NE	NE	NE	NE	70.5	40.5	65.4	45	221.4	10		N.	1		Cu.-N.
16	NE	SE	SE	NW	N	NE	46.8	69.7	68.4	80.2	265.1	0			1		Cu.-N.
17	NE	NE	NE	NE	NE	NE	85.8	85.8	90.1	66.6	328.3	2		S.-Cu.	1		Cu.-N.
18	NE	NE	E	NE	NE	NE	36.5	35.6	84	31.9	188	10		S.-Cu. NE	0		
19	NE	NE	NE	NE	E	E	37.5	40.4	85	62.2	225.1	7		Cu.-N. NE	0		
20	E	E	E	E	E	E	16.8	41	104.6	37.3	199.7	0			0		
21	E	E	SE	E	NE	NE	29.5	62.8	-----	41.5	-----	0			0		
22	SE	SE	SE	E	E	E	42.3	68.4	75.7	24.2	210.6	1	A.-Cu.	S.-Cu.	5		Cu.-N. SE
23	E	SE	SE	S	E	E	43.3	100.3	80	47.2	270.8	0			0		
24	E	E	SE	E	E	E	41.2	78	80.2	52.8	252.2	0			1		Cu.-N.
25	E	E	SE	E	E	E	42.1	42.1	83.4	44.6	212.2	2	A.-Cu. S	S.-Cu.	0		
26	E	E	SE	SE	E	E	34.8	39.7	52.1	81.9	208.5	0	-----	-----	5	A.-Cu. S	S.-Cu.
27	E	E	E	NE	NE	NE	40	36.7	90.9	63.9	231.5	0			1		Cu.-N.
28	NE	N	NE	NE	NE	NE	78	92.7	127.9	132.1	430.7	10		N. NE	10		Cu.-N. NE
29	ENE	ENE	ENE	ENE	ENE	NE	156.7	142.4	136.8	119.1	555	10		N. ENE	10		N. ENE
30	ENE	ENE	ENE	ENE	NE	E	126.4	147.4	130.2	71.6	475.6	10		N. ENE	10		N. ENE
31	E	NE	NE	ENE	E	NE	42.1	127.8	136	105.1	411	10		N. ENE	10		N. NE
Mean	------	------	------	------	------	------	65.5	79.1	105.6	77.7	330.9	5.5			4.6		

APARRI.

[ϕ=18° 22′ N; λ=121° 38′ E; barometer above sea, 5 meters; gravity correction not applied, —1.57 mm.]

FEBRUARY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	63.82	63.62	64.93	62.69	62.85	64.05	21.1	21.6	22.1	23	22	22.3	24.4	20.4	94	93	94	86	89	87	15.5
2	63.92	64.02	65.33	63.40	63.77	64.93	20.8	22.1	23.7	24.8	23.1	22.2	25.4	20	83	76	76	73	74	81	3.3
3	64.30	64.08	65.05	63.07	63.61	64.96	21.7	20.5	22.3	23.7	21.2	20.4	24.6	19.7	85	93	83	73	87	91	12.9
4	64.70	64.82	66.46	65.09	65.94	66.66	20.1	20.3	21.2	21.8	20.5	20.2	23.7	19.1	91	90	80	81	82	83	2.3
5	66.10	66.17	67.35	65.30	64.95	65.53	20	20	21.1	23	21.9	21.2	24	18.6	86	89	88	74	83	89	------
6	65.19	65.15	66.31	64.10	64.84	66.44	20.2	20.2	23.8	25.5	21.4	21.2	26.3	19.6	94	94	77	71	85	85	------
7	65.75	65.87	66.81	63.99	64.02	64.48	19.3	19.2	23.5	24.8	23.7	21	26.4	18.6	89	90	67	71	74	89	------
8	64.01	64.43	65.10	62.80	63.40	64.20	20.9	20.2	24.4	24.8	24	23.2	27	19.6	86	91	74	77	78	81	6.1
9	63.37	63.50	64.67	62.20	62.87	63.47	21.1	21.1	23	26	23.6	22.9	27.2	20.6	94	94	87	78	81	83	------
10	62.90	63.10	64.07	61.13	61.04	61.84	22	21.5	23	26.2	24.7	23	27.8	20.8	89	94	86	73	79	83	.5
11	61.37	61.77	63.34	61.29	62.16	63.22	22.3	21.1	26.5	28	25	23.5	29	20.6	87	95	70	69	82	90	------
12	62.42	62.61	63.31	60.99	60.78	61.77	23.1	22.2	23.3	25.4	24.4	22.3	26.5	21.6	90	91	90	76	76	90	3.3
13	60.51	60.32	61.41	58.73	58.70	60.50	22.6	22.3	26	30.1	25.1	24.7	30.5	21.4	86	83	67	59	79	78	------
14	60.59	60.70	61.60	59.29	59.33	61.12	23.1	22.5	26	28.6	26.3	23.8	29.1	21.4	89	91	73	59	66	83	------
15	60.50	60.70	61.81	59.71	59.93	61.64	21.4	20.9	24.8	27.5	25.1	23.8	28.5	20.1	92	92	81	70	77	88	------
16	61.02	60.98	62.26	59.43	59.33	60.81	22.2	21.2	24	27.6	25	24.8	29.4	20.6	91	94	86	71	86	85	------
17	60.54	60.50	62.24	59.73	60.14	61.71	23.7	22.4	26	29.3	27.1	24.9	30.2	21.6	91	95	84	68	76	84	------
18	61.61	61.89	63.61	61.45	61.63	63.76	24	24	25.9	27.2	24.7	24.2	28.1	23.5	86	86	75	71	76	78	------
19	63.54	63.91	65.78	64.12	64.77	66.35	23.2	23.5	26	27.2	22.7	21.1	28	20.5?	83	80	67	71	85	84	4
20	66.13	65.68	66.40	64.22	64.30	65.23	21.5	21.9	23.1	24.2	22.2	22.2	25.5	20.1?	78	75	74	72	74	79	------
21	64.96	64.30	64.74	62.13	61.23	62.65	21.6	21	24.5	25.7	25.2	23.3	27.7	20.4	82	85	73	69	76	87	------
22	61.60	61.70	62.87	61.12	62.07	63.88	22.2	22	25.7	27.7	22.5	22	29.4	20.3	91	93	75	68	90	91	8.2
23	63.02	61.92	62.90	60.76	60.98	61.22	21.1	20	24.8	26.4	24.6	23.5	29.5	19.6	90	91	69	75	82	90	------
24	60.50	60.62	61.25	58.70	58.73	60.20	22.2	21.3	26.3	29.2	26.7	24.1	31	20.1	93	95	70	60	69	86	------
25	60.10	61.15	62.19	59.33	59.20	60.51	21.9	21.2	26	30.8	26.2	23	32	20.2	83	80	63	54	75	83	------
26	59.91	60.23	61.75	59.24	59.78	60.80	21.2	21.5	25.2	29	25.6	22.2	31.5	20.6	85	85	71	71	78	81	------
27	60.25	59.88	61.14	58.48	58.59	59.85	20	22	26.5	30.2	26.5	23	31.2	19	92	82	67	60	79	95	------
28	60.02	60.22	61.59	58.18	59.14	60.61	22.1	20.2	27	28.2	25.8	25	31	19.1	96	94	68	65	82	87	------
29	59.52	59.77	61.26	58.72	58.62	60.40	22.1	21.8	27	29	25.6	23.6	30	21.3	95	95	68	68	76	85	------
Mean	62.49	62.54	63.71	61.36	61.61	62.85	21.7	21.4	24.6	26.7	24.2	22.8	28.1	20.3	88.7	89.2	76	70.1	79.2	85.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	56.1

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	NE	NE	NE	NE	N	NE	115.1	98.5	122	89.2	424.8	10	----------	N. NE	10	----------	N. NE
2	N	N	N	N	N	N	101.3	110.2	146.4	137.6	495.5	10	----------	Cu.-N. N	2	----------	Cu.-N. N
3	N	N	E	E	NE	ENE	107.7	73.1	130.7	130.4	441.9	10	----------	N. NE	10	----------	Cu.-N. E
4	ENE	ENE	E	E	E	SE	------	------	144.5	114.6	------	10	----------	N. NE	10	----------	Cu.-N. E
5	E	E	E	E	E	E	95	97.7	114.3	83.2	390.2	10	----------	Cu.-N. E	10	----------	S.-Cu. E
6	E	E	SE	NE	NE	E	22.2	29.5	109.7	101.9	263.3	10	----------	S.-Cu. E	10	A.-Cu. W	S.-Cu.
7	SE	S	S	NE	E	E	58.8	43.7	82.6	43.4	228.5	8	----------	S.-Cu. S	9	A.-Cu. S	S.-Cu.
8	E	SE	S	N	N	N	46.5	70.9	74.6	28.3	220.3	9	A.-Cu. SW	S.-Cu.	0	----------	----------
9	N	N	N	N	NE	NE	49.9	32.3	72.3	52.6	207.1	10	Ci. SW	S.-Cu.	0	----------	----------
10	NE	NE	SE	E	E	E	24.6	44.3	69.7	27.9	166.5	10	----------	S.-Cu.	1	----------	Cu.-N.
11	E	E	E	NE	NE	NE	40.8	38.9	74.9	86.2	240.8	0	----------	----------	0	----------	----------
12	E	E	E	E	E	E	45	46.6	83.2	42.9	217.7	10	----------	S.-Cu. E	8	----------	Cu.-N. E
13	E	SE	S	S	E	N	30.1	109.2	93.8	82.8	315.9	0	----------	----------	0	----------	----------
14	N	N	N	N	N	N	33.8	34.4	65.7	33.3	167.2	1	----------	S.-Cu.	0	----------	----------
15	N	N	N	NE	E	E	50.2	33.9	77.3	66	227.4	3	----------	S.-Cu.	0	----------	----------
16	E	E	E	E	E	E	31.9	20.2	89.5	100.1	241.7	1	----------	S.-Cu.	0	----------	----------
17	E	E	E	N	NE	NE	20.6	35.4	82.1	61.8	199.9	0	----------	----------	0	----------	----------
18	NE	NE	NE	E	E	E	84.7	69.7	104.1	98.2	356.7	10	A.-Cu. SW	S.-Cu.	2	----------	Cu.-N.
19	E	E	E	NE	NE	NE	72.9	95.6	144.8	167.8	481.1	10	----------	S.-Cu. E	0	----------	----------
20	E	ENE	E	E	E	E	176.2	160.9	158.5	136.8	632.4	10	----------	S.-Cu. E	1	A.-Cu.	Cu.-N.
21	E	E	E	E	E	SE	47.8	37.3	98.9	72.4	256.4	4	A.-Cu. S	S.-Cu.	7	A.-Cu. S	Cu.-N.
22	S	S	S	N	N	N	71.9	73.8	130.3	128.7	404.7	5	----------	Cu.-N. SW	10	----------	S.-Cu.
23	N	W	S	NE	NE	E	50.2	101.3	101.7	56.4	309.6	1	----------	S.-Cu.	5	A.-Cu. SW	Cu.-N.
24	E	E	S	E	E	E	48.3	92.2	85.4	46.4	272.3	4	A.-Cu. SW	S.-Cu.	0	----------	----------
25	SW	S	S	S	E	E	82.9	128.4	99.8	44.8	355.9	0	----------	----------	0	----------	----------
26	E	S	S	S	NE	NE	64.9	128.8	93	36.8	323.5	0	----------	----------	0	----------	----------
27	NE	S	S	E	N	N	63.5	119.4	70.2	82.1	335.2	0	----------	----------	0	----------	----------
28	N	N	S	E	NE	NE	34.8	62.3	87.1	51	235.2	0	----------	----------	0	----------	----------
29	S	S	S	NE	E	E	72.4	93.4	104.4	22.7	292.9	0	----------	----------	0	----------	----------
Mean	------	------	------	------	------	------	62.3	74.4	100.4	76.8	310.9	5.4	----------	----------	3.3	----------	----------

APARRI.

[$\phi = 18°\ 22'$ N; $\lambda = 121°\ 38'$ E; barometer above sea, 5 meters; gravity correction not applied, −1.57 mm.]

MARCH, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.51	61.13	62.53	59.64	59.50	61.58	21.3	20	28	28.5	26	23.6	31	19.6	92	94	65	63	75	82	------
2	61.44	61.87	63.20	60.74	60.17	62.03	22.5	21.3	27.2	29.8	26.5	23.8	31	20.7	90	95	71	63	73	81	------
3	61.97	62.18	63.81	61.55	61.05	61.58	21.4	21.2	27	29.3	27	24.5	30.5	18.6	89	89	65	66	75	82	------
4	61.12	61.80	63.28	61.17	60.37	61.23	23	23.1	26.2	29.9	26.5	23.2	30.9	22.1	90	89	75	54	76	86	------
5	60.64	60.77	62.10	59.90	59.60	60.85	22.2	22.7	26.8	28.5	26	22.6	31	21.4	89	87	64	64	75	91	------
6	60.60	60.78	62.05	59.88	60.09	61.50	22.6	21.9	27.3	29.4	26.2	23.5	31	21.1	90	85	66	68	81	94	------
7	60.90	61.43	62.94	60.53	60.20	61.18	23	22.5	28.6	29.9	26.5	23.7	31.1	20.1	91	92	60	63	77	90	------
8	61.17	61.48	62.76	60.65	60.71	61.74	21.5	21.4	27	30.1	27	24.6	32	20.3	91	91	63	60	77	93	------
9	61.59	62.04	63.48	60.90	60.25	61.18	23.6	23.1	28	30	27.5	25	31	22.6	90	90	76	68	79	87	------
10	60.90	61.56	62.23	59.42	59.28	60.30	21.9	22.5	28.8	30	27.3	24.8	32.7	21.1	92	91	62	65	79	87	------
11	59.49	59.72	61.16	58.48	57.29	58.42	23	21.8	27.5	29.5	27.4	25	30.6	21.2	88	82	70	66	71	85	------
12	58.03	58.02	59.46	57.28	57.16	58.93	22.6	21.7	27.4	29.2	26.8	25.1	30.2	21.2	93	94	77	68	77	84	------
13	58.75	58.96	60.58	57.78	58.26	59.78	24.5	24.1	28.6	30	26.6	25.4	31	23.6	87	91	76	65	74	80	------
14	59.64	60	61.76	59.84	59.28	60.36	24	24.8	25.3	27.2	25.4	24	28	22.3	91	88	85	72	77	93	14.3
15	60.09	59.97	61.48	58.88	59.17	60.68	22.3	22	28.4	30.5	28	26.2	32.5	19.7	93	95	70	68	74	79	------
16	60.48	60.89	62.98	59.65	59.78	61.13	24.6	23.8	27.6	29.6	27.2	25.5	30.9	21.2	88	90	71	64	77	88	------
17	60.93	61.36	63.58	61.25	61.25	63.09	25.3	25.1	27.5	29	25.8	24.4	29.9	23.5	81	81	71	58	75	76	------
18	62.86	63.67	65.54	63.81	64.06	65.11	24.1	23.2	24.6	23.5	22.6	22.2	25	21.6	76	76	63	69	69	72	1.3
19	64.51	64.45	65.86	63.05	62.55	63.51	21	21.8	22.6	24.1	23	23	25.7	20.4	82	79	78	70	76	74	------
20	62.51	62.46	63.03	60.37	60.20	62.51	21.4	20	26.7	27.9	26.5	24.2	30	19.1	85	94	64	67	77	82	------
21	61.59	62.42	63.91	61.49	62.02	63.55	22.7	22	28.2	31.7	27.9	24.8	33	21	89	91	68	63	74	92	------
22	63.15	63.51	64.51	61.63	61.18	63.26	23.1	22.2	28.1	29.4	27	24.2	31.6	21	92	94	66	62	68	80	------
23	62.97	63.28	63.49	60.18	59.49	61.59	22.2	20	27.2	31	27.5	24	32.7	19.2	89	92	60	56	72	81	------
24	61.36	61.86	62.93	60.86	61.84	62.90	23.1	22.6	27.2	30.9	26.9	23.5	32	21.2	85	88	60	60	77	85	------
25	62.35	63.10	63.74	61.19	61	62.89	22.1	21	27.8	29.6	28.1	25.2	31	20.1	90	91	68	66	67	78	------
26	62.39	62.55	62.68	59.76	60.03	62.61	24.3	22.3	28.4	32.3	27.1	24.4	33.2	21.1	81	90	57	45	72	80	------
27	62.07	62.20	63.35	60.53	60.78	62.58	22.3	21.7	27.2	30	26.9	23.2	33.5	20.6	81	76	53	55	67	91	------
28	61.77	61.86	63.10	59.94	59.57	61.53	22.2	22.2	27.5	29.1	27.6	24.5	32.1	21.6	93	93	60	60	71	81	------
29	61.16	61.82	63.28	61.13	60.79	62.33	23	22.1	29	30.1	27.7	24.6	33	21.5	91	94	61	60	72	80	------
30	62.11	62.32	63.57	61.24	61.26	63.45	22.3	22.8	29.2	30.5	27.4	24.5	31.6	22	90	88	62	62	67	78	------
31	62.85	62.97	64.19	61.53	61.72	63.68	22	21.9	28	29.3	26.8	25	31	21.2	91	90	66	62	71	76	------
Mean	61.35	61.69	62.99	60.46	60.32	61.84	22.7	22.2	27.4	29.3	26.7	24.3	31	21	88.4	89	66.9	63	73.9	83.5	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	15.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	SW	SW	E	E	E	42.6	71.8	80	52	246.4	0			0		
2	S	S	S	E	E	E	51.7	89.8	80.7	33.6	255.8	0			0		
3	E	S	S	N	E	SE	72.1	84	89.2	20.4	265.7	0			0		
4	S	S	S	S	E	E	52	88.2	88.9	34.1	258.2	2	A.-Cu. SW	S.-Cu.	2		S.-Cu. SE
5	E	S	S	NE	E	E	47.3	119.3	80.6	34.1	281.3	0			0		
6	S	S	S	N	E	N	79.2	87.7	81.9	43.5	292.3	0			0		
7	N	N	S	NE	NE	NE	23.2	57.1	93.5	33.1	206.9	9	A.-Cu. W	S.-Cu.	0		
8	NE	E	SE	NE	NE	NE	26.6	78.4	79.1	43.8	227.9	0			0		
9	NE	Calm	E	NE	NE	NE	43.5	38.5	82.4	25.9	190.3	0			0		
10	SW	S	S	E	NE	E	24.9	90.2	85.6	62.2	262.9	0			0		
11	S	S	S	N	N	N	56	42.8	39.9	13.7	152.4	0			0		
12	Calm	Calm	N	NE	NE	NE	7.1	34.1	59.2	34.7	135.1	10	A.-Cu. WSW	S.-Cu.	1		Cu.-N.
13	NE	NE	NE	NE	NE	NE	17.8	49.6	89	46.8	203.2	10		S.-Cu. W	0		
14	NE	NE	NE	E	NE	E	43.1	97.6	108.7	56.6	306	10		Cu.-N. NE	0		
15	E	E	S	NE	N	E	20.3	58.9	91.8	37	208	0			2		Cu.-N.
16	N	N	N	N	NE	NE	28.4	29.3	77.9	57	192.6	9	A.-Cu. S	S.-Cu.	1		Cu.-N.
17	NE	NE	NE	NE	NE	NE	74.8	99.6	107.8	150.6	432.8	8		Cu.-N. NE	10		Cu.-N. NE
18	NE	NE	NE	ENE	NE	ENE	166.7	182.8	145.8	173.5	668.8	10		Fr.-N. NE	10		S.-Cu. ENE
19	E	E	E	E	E	E	126.4	106.2	122.6	89.1	444.3	10		Cu.-N. E	10		S.-Cu. E
20	E	E	S	NE	NE	NE	14.8	74.1	93.8	42.6	225.3	3	A.-Cu. SW	S.-Cu.	0		
21	SW	SW	S	NE	NE	NE	20.1	74.8	76.6	44.9	216.4	0			1		Cu.-N.
22	NE	NE	S	NE	E	E	29.7	78.2	98.9	50.7	257.5	0			0		
23	SE	SE	S	SE	E	S	64.4	99.9	97.9	56.6	318.8	0			0		
24	S	S	S	E	NE	E	64.3	93.8	75.5	45.1	278.7	0			0		
25	E	SE	S	NE	E	E	38.4	74.3	89	38.6	240.3	0			0		
26	E	E	S	S	E	S	21.8	108.3	88.2	60.3	278.6	0			0		
27	S	S	S	E	NE	N	57	112.1	90.4	53.1	312.6	0			0		
28	N	S	S	NE	E	SE	43.3	109.7	100.3	30.9	284.2	0			0		
29	SE	SE	S	E	E	E	3.8	74	101.9	46.8	226.5	0			0		
30	S	S	S	NE	NE	E	59	93	106	48.8	306.8	0			0		
31	SE	SE	SE	NE	NE	E	30.1	47.2	141.8	144.2	363.3	0			0		
Mean	------	------	------	------	------	------	46.8	82.1	91.6	55	275.5	2.6			1.2		
Total	------	------	------	------	------	------	------	------	------	------	8,539.9	----			----		

APARRI.

[ϕ=18° 22′ N; λ=121° 38′ E; barometer above sea, 5 meters; gravity correction not applied, —1.57 mm.]

APRIL, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	62.05	62.50	63.15	60.60	59.95	61.84	23	21.1	27.2	29.2	26.2	22.9	30.6	20.6	83	94	64	63	78	88	------
2	61.44	61.88	62.10	59.96	60.38	62.11	20.2	21.2	28	30	27.5	24.5	31.8	19.8	89	89	56	62	75	84	------
3	61.65	61.76	62.25	60.19	59.96	61.53	22.5	23.2	29.2	30	28.1	25.4	32	21.6	87	84	63	62	73	84	------
4	61.39	61.61	62.17	58.97	58.79	60.74	22.8	22.1	28.2	29.6	27	25	31.2	20.6	84	86	58	64	68	83	------
5	60.40	60.46	61.18	59.12	59.58	61.35	22.8	22	28.6	30.4	26.5	25.8	33	21.5	86	88	61	63	86	87	------
6	61.02	61.40	62.35	60.68	60.78	62.40	23.2	22.4	27	30	26.5	25.5	30.5	22	91	95	80	65	80	86	------
7	61.43	61.56	62.60	60.39	60.23	61.78	25.1	25	27.2	28.9	26.5	25.4	29.9	24.6	86	87	75	67	75	80	------
8	60.93	61.09	62.43	59.98	59.87	61.48	24.2	22	27.5	29.2	26.7	25.3	30.4	21.3	86	94	75	66	77	80	------
9	61.16	61.07	61.55	59.73	60.63	62.89	22.3	22.6	29	29.7	26.7	25.9	31	21.5	96	95	71	70	82	83	------
10	62.30	62.80	63.68	61.89	62.53	64.22	25	23.9	29	30.2	26.8	25.5	31	22.8	83	88	71	68	77	84	------
11	63.26	63.55	64.61	63.08	63.83	65.94	24.5	23.4	27.8	28.8	25.6	24.9	30.4	22.6	89	95	76	69	78	80	2.5
12	65.05	65.15	66.05	64.28	64.27	66.39	22.8	22	23	23	23.2	23.1	24.6	21.6	91	94	93	96	94	94	23.6
13	64.57	64.47	65.42	62.87	62.43	64.31	22.2	21.5	28	28.8	27.8	25	31.4	21.2	95	95	73	64	69	80	------
14	63.87	64.06	64.66	61.53	61.12	62.83	23.9	23	28.2	30.5	28	24.6	32	22.3	84	87	66	59	69	82	------
15	61.90	62.10	62.58	59.51	60.19	61.58	24	22.9	29.5	30.5	27.8	25.3	32.8	22.4	83	83	59	65	80	91	------
16	60.66	61.49	62.98	60.56	60.58	62.02	24.1	23.2	29	30.6	28	24.2	30.7	22.8	86	90	62	64	79	94	------
17	61.02	61.76	62.15	59.93	60.13	61.81	23	21.6	29.4	30.3	27.7	24.4	31.3	20.3	94	95	63	66	68	82	------
18	60.94	61.14	61.82	59.47	59.84	61.34	23.4	23.1	29.4	30.4	27.6	26	33.1	21.7	81	82	56	60	76	82	------
19	60.61	60.54	60.90	58.78	59.60	61.16	24.5	23.9	29.9	30.5	28.4	26.7	32.7	23.2	87	90	55	66	71	80	------
20	60.28	60.25	61.34	58.92	59.19	60.74	24.4	23.8	30.9	30.7	28.7	26.3	32.8	21.7	92	93	57	65	73	78	------
21	60.25	60.37	61.06	59.06	58.87	60.79	24.7	24	30.6	30.8	28.4	25.6	33.3	23.4	82	86	54	60	68	78	------
22	60.31	60.62	60.78	58.68	58.67	60.28	23.6	23.8	30.5	30.8	29	25.2	33.4	21.9	84	83	54	62	69	83	------
23	59.48	59.49	60.01	57.66	58.82	59.80	24.4	24.1	30.7	32.3	28.3	26.5	34.5	23.8	87	88	59	62	74	81	------
24	59.48	59.59	59.92	57.66	58.10	59.76	24.8	24	30.1	31.7	29.4	25.2	35	23.6	87	89	59	60	71	84	------
25	59.42	59.47	59.77	57.31	57.73	59.83	23.6	23.2	31.2	32.1	28.1	25.6	32.7	22.7	90	93	57	60	71	81	------
26	59.35	59.54	60.73	58.32	59.38	60.86	25	24	30.1	31.8	29.2	26.6	32.4	23.7	83	88	59	60	69	78	------
27	60.73	60.82	61.79	59.54	59.21	61.25	22.8	22.7	29.7	30.5	27.6	26	31.2	22.6	97	97	63	65	75	78	------
28	60.61	60.32	61	58.43	58.20	60.14	23.8	23.9	30	31.8	28.7	26.7	32.1	22.3	91	87	60	62	73	81	------
29	59.15	59	59.58	57.71	57.32	58.96	24.9	24.5	31	30.9	28	26.4	34.3	23.3	87	87	62	65	74	81	------
30	57.90	57.82	57.96	55.95	56.82	58.82	25.5	25	31.9	32	28.5	27.5	33.6	24.5	85	85	61	62	75	78	1.5
Mean	61.09	61.26	61.95	59.69	59.90	61.63	23.7	23.1	29.1	30.2	27.6	25.4	31.9	22.3	87.5	89.6	64.1	64.7	74.9	82.8	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	27.6

Day.	Wind. Direction.						Total movement in 6 hours.				Total movement in 24 hours.	Clouds. 6 a. m.			Clouds. 2 p. m.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Amount.	Form and direction. Upper.	Lower.	Amount.	Form and direction. Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	E	E	E	NE	E	E	57.3	50.2	133.8	76.7	318	0			0		
2	SE	SE	S	NE	NE	NE	47.8	114	98.7	62.3	322.8	0			0		
3	NE	NE	S	NE	S	E	35.4	83.4	107.8	43.8	270.4	0			0		
4	E	E	SE	E	E	E	48	78.9	139.5	52.8	319.2	0			0		
5	SE	SE	S	NE	N	N	50	94	110.1	76.6	330.7	0			0		
6	N	N	N	NE	NE	NE	44.3	74.7	106.8	92	317.8	1		Cu.-N. N	0		
7	NE	E	E	E	E	E	86.9	77.2	134.4	138.1	436.6	8		Cu.-N. NE	0		
8	E	E	E	E	NE	E	31.7	46.7	130.9	87.2	296.5	0			0		
9	E	E	E	NE	NE	NE	38.7	49.8	108.1	78.2	274.8	0			0		
10	NE	NE	NE	NE	NE	NE	32.9	47.6	103	54.8	238.3	0			0		
11	NE	NE	NE	NE	NE	NE	45	72.7	143.2	138.4	399.3	2		Cu.-N. NE	0		
12	NE	NE	NE	NE	E	E	154.5	170.6	164.1	106.4	595.6	10		N. NE	10		N. NE
13	E	E	SE	E	E	E	31.1	63.9	127.4	47.6	270	5		S.-Cu. SE	1		Cu.-N.
14	SE	SE	S	E	E	E	76.1	96.3	119.1	48.5	340	0			1		Cu.-N.
15	SE	S	S	E	E	N	90.3	123.7	105.1	82.4	401.5	0			0		
16	N	NW	SSW	NNE	NE	NE	41.5	73.4	92	61	267.9	0			2		Cu.
17	NW	Calm	SE	NE	ENE	E	39.9	86.7	102.8	42.3	271.7	4	Ci.		2	Ci.	Cu.
18	Calm	SE	S	NE	NE	Calm	40	118.1	105.4	37	300.5	0			1		Cu.
19	NE	ESE	SSE	NE	NW	N	54.5	119.3	112.7	88.7	375.2	4	A.-Cu. E	Cu.	1		Cu.
20	Calm	S	SSE	E	E	Calm	46.4	101.9	118	45.6	311.9	0			3		Cu. E
21	SE	SE	SSE	E	E	E	73.5	109.6	134.2	40.4	357.7	0			1		Cu.
22	SE	SE	S	NE	NE	NE	66.3	139.4	103.8	49.1	358.6	0			0		
23	NE	S	S	ENE	NNW	NNE	88.8	138.2	124.2	72.9	424.1	0			1		Cu.
24	SE	S	S	NE	ENE	NE	90.3	133.4	98.2	53.3	375.2	0			0		Cu.
25	Calm	ENE	SSE	ENE	E	E	38.6	97.4	121.3	63.9	321.2	0			8	Ci. W	Cu. SE
26	SE	SE	SSE	NE	NE	NE	50.9	92.3	109.1	57.3	309.6	2	Ci.	Cu.	4	Ci.	Cu.
27	NE	Calm	ENE	NE	ENE	Calm	34.3	55.2	142.1	37.8	269.4	0			2		Cu.
28	E	SE	SSE	NE	NE	Calm	46.9	103.2	102.4	43.8	296.3	0			0		
29	S	SSE	SSE	NE	NNE	NNE	59.3	92	86.9	40.4	278.6	2		S.-Cu.	1	Ci.	Cu.
30	NE	Calm	S	NE	NE	N	26.2	70.5	104.9	97.6	299.2	9	A.-Cu.	Cu. SE	2		Cu.
Mean	------	------	------	------	------	------	55.6	92.5	116.3	67.2	331.6	1.6			1.3		
Total	------	------	------	------	------	------	------	------	------	------	9,948.6	------			------		

APARRI.

[ϕ=18° 22′ N; λ=121° 38′ E; barometer above sea, 5 meters; gravity correction not applied, —1.57 mm.]

MAY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	57.64	57.58	57.96	56.24	57.66	58.80	25.4	25	30.7	29.1	28	27	34	24.6	84	85	66	72	75	77	------
2	58.03	58.71	59.61	57.67	57.72	60.09	24.9	25	30.2	31.1	29.2	25.5	33	23.4	86	84	63	66	71	82	------
3	59.65	60.16	61.05	58.95	59.45	61.35	24.6	24.5	31.5	32	29.9	27.8	34.5	22.7	83	85	56	61	67	74	1.8
4	60.75	60.92	60.97	59.27	59.68	60.80	25.8	25.2	30.7	32.1	28.7	26.7	32.9	25	81	83	60	61	71	77	------
5	59.85	59.88	59.29	57.15	57.49	58.75	24.3	24.5	29.5	31.4	28.4	26	32.4	24	89	87	65	63	72	82	.8
6	58.21	58.03	58.20	57.28	57.91	59.41	24.8	24.3	31.1	32.3	27.4	24.7	33.1	23.8	86	87	61	62	73	86	4.1
7	58.74	59.12	59.20	57.55	57.65	59	24.7	24	30	32	28.7	27.8	32.6	23.5	85	89	64	62	73	76	------
8	58.64	58.59	59.23	57.62	58.36	59.55	25.3	24.5	29.7	29.5	27.6	26.4	33.1	24.3	84	87	66	73	73	80	1
9	59.11	59.08	59.36	57.75	58.34	60.16	24.7	24.1	29.7	30.2	28.5	25.3	32.2	24	87	90	64	65	70	83	------
10	59.15	59.95	60.56	58.76	59.17	60.99	23.4	23.9	30.2	31.6	29.3	26.3	32.5	22.5	93	89	62	63	68	80	------
11	59.70	60.10	60.45	58.27	59.24	60.21	25.2	24.5	30.5	32.3	29.4	27.9	34	23.2	84	85	60	59	68	72	------
12	58.96	59.51	59.50	57.62	58.30	59.30	25.5	24.5	31.6	32.3	28.6	27.3	32.9	24.4	82	87	57	60	71	76	------
13	58.26	58.46	58.98	57.29	57.46	58.74	25.7	24.6	30.7	31.6	29	27.4	33.2	24.5	84	87	60	60	69	73	------
14	57.86	58.39	59.13	57.37	57.90	59.15	26.4	25.5	31	32.8	29	27.9	33.3	25.3	79	83	60	58	71	74	------
15	57.86	57.92	58.76	56.37	57.02	58.65	26.4	25.6	29.7	33	29	27.9	33.9	25.3	80	82	64	59	70	74	------
16	56.95	57.03	58.27	56.46	56.63	58.15	26.1	25.3	31	33	29.1	28	33.4	24.8	81	83	61	57	70	74	------
17	56.91	57.57	58.73	57.14	57.48	59.04	26.1	25.4	30.5	31.2	29.5	28	32.8	25	81	82	62	64	70	72	------
18	58.05	58.67	59.92	58.63	58.74	60.05	26.5	26	30.1	31.7	29.5	27.1	32.3	25.3	80	79	64	64	72	78	------
19	59.40	59.33	59.50	58.14	57.44	58.50	26	24.9	31.4	31.9	30.6	26.5	32.4	24.6	82	85	59	62	69	80	------
20	58.10	57.89	58.21	56.50	56.65	58.26	25.1	25	30.8	31.8	29	27.2	33.5	24.5	84	84	64	65	79	87	------
21	57.40	57.93	58.69	57.08	57.46	59.35	25.7	25	31	30.6	29.2	27.8	31.9	24.7	94	96	63	68	70	76	------
22	58.91	58.88	59.19	57.63	57.99	59.78	26.3	24.4	30	31.3	29.7	26.8	32	24.2	83	90	67	65	71	81	------
23	58.46	58.93	58.83	57.09	57.98	59.53	24.7	23.8	31.5	32.3	29.5	27.7	32.8	23.7	89	95	55	63	72	79	------
24	58.32	58.54	58.45	56.68	57	58.11	25.1	25	30.3	32.8	29	27.6	33.3	24.3	91	93	64	61	76	81	------
25	57.32	57.87	57.60	55.23	55.91	57.54	25.7	25	31.6	32.5	29.5	28	33.2	24.6	92	94	66	65	75	81	------
26	56.49	56.77	57.44	55.82	56.76	58.07	26.8	26.1	31.5	32.6	29.5	28	33.8	25.7	86	93	63	66	77	82	------
27	57.03	57.09	58.04	56.83	57.55	58.57	25.8	25.1	31.4	32.3	29.5	27.5	33.5	25	89	92	68	65	73	81	.5
28	57.90	58.43	59.44	57.81	58.08	59.66	24.7	25	27	29.3	28	27.8	30.5	24.3	95	92	81	72	83	86	------
29	58.43	58.74	59.17	57.46	57.94	59.65	25.4	26.1	32.2	33	24.4	24.8	36	24	90	89	65	69	97	97	8.4
30	58.01	58.57	59	56.66	57.31	59.56	24.3	24.4	30.3	33.2	29.5	24.3	35.2	23.3	91	90	68	64	68	89	19.3
31	58.43	57.99	58.75	57.07	57.25	59.68	23.1	24.1	28.9	31.2	29.2	23	33.2	22.5	90	86	70	63	82	93	10.7
Mean	58.34	58.60	59.08	57.34	57.79	59.30	25.3	24.8	30.5	31.7	28.9	26.8	33.1	24.2	86	87.5	63.5	63.8	73.1	80.1	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	46.6

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	SW	S	NE	N	N	55.3	82.1	104.1	63.8	305.3	7	A.-Cu.	Cu.	6	Ci.-S.	Cu.
2	SW	S	S	NE	NE	S	62.3	108.8	100	43	314.1	2	A.-Cu.	Cu.	2	A.-Cu.	Cu.
3	S	S	SSE	NE	NE	Calm	62.8	141.1	108.6	36	348.5	0	----------	----------	1	----------	Cu.
4	Calm	NE	Calm	NE	NE	Calm	37.5	47.8	115.4	36.7	237.4	1	----------	Cu.	1	----------	Cu.
5	NNE	NNE	SE	NE	NE	NE	56.5	65	112.1	62.2	295.8	1	----------	Cu.	2	----------	Cu.
6	NE	NE	SSE	NE	N	Calm	56.5	81	115.6	31.1	284.2	0	----------	----------	3	Ci.	Cu.
7	NW	SSW	SSW	NE	NE	NE	46.2	72.7	104.6	53.6	277.1	0	----------	----------	3	Ci.-S.	Cu.
8	N	SW	S	NW	NW	N	65.5	117	102.7	35.1	320.3	3	A.-Cu. W	Cu.	10	Ci.-S.	Cu.-N.
9	NNW	NNW	SSW	NE	Calm	SSW	44.9	67.3	101.7	74.2	288.1	8	A.-Cu. W	N.-cf.	6	Ci.-Cu. W	Cu. S
10	SSE	SSE	NE	NE	NE	SSE	67.6	79.7	107.3	63.3	317.9	5	A.-Cu.	----------	2	----------	Cu.
11	SSE	SSE	S	ENE	NE	NE	50.5	110.7	93.3	34.6	289.1	0	----------	----------	1	----------	Cu.
12	NE	NE	SSE	NE	NE	NE	57.9	86.7	95.6	34.1	274.3	1	----------	Cu.	2	----------	Cu.
13	NE	NE	NE	N	N	N	48.3	67.4	107.6	44.9	268.2	7	Ci.	Cu.	3	Ci.-S.	Cu.-N.
14	Calm	N	S	NE	NE	Calm	42.8	60.7	95.3	35.1	233.9	8	A.-Cu. W	S.-Cu.	6	Ci.-S.	Cu.
15	N	Calm	S	NE	NE	Calm	47.2	75.1	96.9	45.9	265.1	8	A.-Cu. SW	Cu.	8	Ci.-S., Ci.	Cu.
16	NE	ENE	SW	NNE	NE	E	45.7	69.7	104.9	64.1	284.4	10	Ci.-S. N	Cu. SW	8	Ci.-S.	Cu.
17	E	E	Calm	NE	NE	NE	58.9	55	89.1	55	258	10	A.-Cu.	----------	10	A.-Cu. W	Cu. SW
18	NE	NE	NE	N	N	N	63	66.5	102.2	49.6	281.3	8	A.-Cu.	----------	4	Ci.-Cu.	Cu. NE
19	N	N	SE	NE	NE	N	49.7	58.9	104.3	68.4	281.3	1	----------	Cu.	1	----------	Cu.
20	N	W	S	NE	NE	NE	65	69.8	106	50.9	291.7	3	Ci.	Cu.	6	Ci.	Cu.
21	N	N	SSE	NNW	N	Calm	60.2	85.5	161.9	41.8	349.4	0	Ci.	Cu.	4	Ci.	Cu.
22	N	S	N	N	N	Calm	63.6	67.8	111.8	40.2	283.4	6	Ci.	Cu.	5	Ci.	Cu.
23	N	Calm	NE	NE	NE	NE	39.9	54.1	111.6	38.8	244.4	5	Ci.	----------	2	----------	Cu.
24	NE	SSW	SSW	NE	NE	Calm	63.1	69.4	102.5	34.9	269.9	4	Ci.-S.	----------	5	Ci.-S.	Cu.
25	NE	Calm	NE	NE	NE	Calm	52.9	59	111.5	44.3	267.7	4	Ci.-S.	----------	8	Ci.-S.	Cu.
26	NE	NE	E	NE	NNE	Calm	57.7	53.6	107.8	50.9	270	4	Ci.-S.	----------	5	Ci.-S.	Cu. S
27	NNE	Calm	NNE	NNE	NNE	Calm	50.9	60.9	93.3	54.7	259.8	1	Ci.-S.	Cu.	3	Ci.	Cu.
28	SE	S	S	SE	E	Calm	87.2	69.5	62.6	31.7	251	10	----------	Cu.-N.	9	Ci.-S.	S.-Cu.
29	S	S	S	NE	SE	S	60.2	91.5	97.9	55	304.6	0	----------	----------	1	----------	Cu.-N.
30	S	S	S	NE	N	S	91.7	96.3	94.8	59.8	342.6	0	----------	----------	1	----------	Cu.-N.
31	S	S	S	NE	NE	SE	86.6	96	80.2	70.8	333.6	7	A.-Cu. SW	S.-Cu.	10	Ci.-S.	S.-Cu.
Mean	------	------	------	------	------	------	58	77	103.3	48.5	286.9	4	----------	----------	4.5	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	8,892.4	----	----------	----------	----	----------	----------

APARRI.

[ϕ=18° 22′ N; λ=121° 38′ E; barometer above sea, 5 meters; gravity correction not applied, —1.57 mm.]

JUNE, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	59.12	58.04	58.95	57.14	58.46	59.98	23.9	24.3	28.4	32.8	29.4	25.9	33.2	23.2	92	92	75	56	71	91	------
2	59.21	59.77	60.30	58.36	58.62	60.19	24.7	24.3	29.8	32.4	29.5	26.1	33.8	23.7	92	94	75	62	79	86	------
3	59.94	59.47	59.39	57.92	58.49	59.29	25.2	25.2	30.5	33	25.7	25.5	34.8	24.6	90	88	74	67	89	94	17.3
4	58.44	57.76	57.63	56.07	57	58.63	25	25	30	34.2	25.5	24.7	35	24.3	93	92	75	58	88	91	------
5	57.38	57.12	57.84	55.86	56.85	59.02	24.3	24.8	30.6	32.6	27.2	25.3	34.2	24	92	93	72	68	78	91	------
6	58.08	58.24	57.89	55.89	56.69	58.74	25	25.1	31	31.5	30	26.5	34	24.1	93	92	68	67	74	84	3.8
7	57.86	57.72	57.61	55.55	56.39	57.74	25	25	30	33.8	29.9	24.6	34.2	24.2	92	90	75	63	75	93	18.6
8	57.03	56.49	57.18	54.87	56.02	58.16	24.9	24.8	29.5	32.4	29.4	25	34.5	24	91	92	75	68	78	87	------
9	56.93	57.06	57.61	55.55	56.86	58.86	24.4	24.5	30	32.1	25	25	33.4	24	95	94	74	63	93	92	18.3
10	57.99	58.21	58.40	56.47	57.50	58.84	25	25	29.2	32.1	29.8	27.9	34.2	24.1	92	92	79	67	71	81	------
11	58.32	58.42	59.09	57.67	57.56	58.78	25.9	25.5	30.5	31.1	27.8	25.8	34.2	24.9	94	96	72	73	80	85	------
12	58.96	58.47	58.89	56.47	56.77	58.46	25.5	25.2	30.1	32.1	31.6	27.2	33.3	24.6	86	88	73	71	70	94	------
13	57.71	57.96	58.21	56.42	57.09	58.58	26.1	25.8	30.6	32.6	29.6	27	33.6	25	91	90	68	66	74	92	1
14	58.18	57.63	57.56	55.85	56.74	58.33	25.5	25.5	30	32.8	25.2	25.5	33	24.6	93	93	74	64	93	91	16.2
15	57.01	56.41	56.68	55.09	56.19	55.85	25.2	25.4	30.1	33	28.5	26.9	33.8	24.4	93	92	74	64	84	83	.5
16	55.71	54.84	55.59	54.80	54.57	55.54	26.1	26	31.7	32.5	29.2	28.5	33.5	24.8	91	92	64	62	79	81	.5
17	54.18	54.26	54.77	53.31	53.80	55.55	27.2	26.4	31.1	33.2	30.7	29	34.5	25.7	87	89	64	66	76	83	------
18	54.84	55.18	55.66	54.55	54.67	55.79	27.2	25.8	30.6	33	30.6	28.5	34.4	25.2	83	85	71	64	77	84	------
19	54.70	55.13	54.74	53.17	53.57	55.16	27	26.6	31.5	33.5	31.2	28.8	34	26.1	86	86	63	65	73	83	------
20	54.10	54.31	54.13	53.10	53.73	55.02	27.3	26.5	31.8	33.2	30.5	28.8	34.6	25.1	88	86	65	69	75	69	------
21	54.03	54.23	54.94	53.75	54.39	55.91	27.3	25.8	30.7	34	30	28	35.2	25	75	78	65	62	77	79	------
22	55.34	56.44	56.26	55.40	57.16	57.29	25.8	25.5	30.4	32	25.4	25.8	33.6	24.7	85	86	72	67	92	93	13
23	56.44	56.66	57.14	55.64	55.98	57.46	25	24.7	29.2	31.9	30.5	26.3	33.2	24.1	92	94	76	69	71	85	------
24	56.11	55.98	56.63	55.53	56.31	57.98	25.4	24.8	29.4	31.6	30	28.5	33	24.5	85	88	74	68	74	81	------
25	56.70	56.16	56.45	55.39	55.97	57.96	26.8	25.1	30.6	33.2	30.2	28	33.7	24.6	84	88	70	66	81	86	------
26	56.76	56.97	57.46	56.07	56.62	58.01	26.5	25.9	30.5	32.8	30.5	28.8	33.7	25.1	86	85	70	65	75	83	------
27	56.15	56.31	56.50	55.57	55.87	57.26	27.1	25.6	31.4	33	30.4	24.1	33.7	23	85	90	67	61	76	89	14
28	56.49	56.17	56.25	54.94	55.32	56.55	24.4	24.4	30.4	32	29.6	28.9	34	23.5	91	91	69	67	78	77	------
29	56.41	56.68	56.54	55.67	56.08	58.38	26	26.3	31.1	32.6	29.7	24.5	33.5	23.6	95	93	66	71	76	92	8.1
30	57.37	57.50	57.79	56.25	56.69	58.74	24.3	24	29	33.2	29	24.5	33.7	22.6	92	91	75	60	78	92	52.8
Mean	56.92	56.85	57.14	55.61	56.27	57.74	25.6	25.3	30.3	32.7	29.1	26.7	33.9	24.4	89.5	90	71.1	65.3	78.5	86.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	164.1

Day.	Wind.										Clouds.						
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	S	S	S	NE	NE	S	79.2	104.6	66.2	78.4	328.4	10	Ci.-S.	S.-Cu.	1	Ci.-S.	S.-Cu.
2	S	S	S	E	NE	NE	82.3	94.8	91.2	67.3	335.6	0	------	------	5	Ci. NE	Cu.-N.
3	N	N	S	E	W	W	46.7	74.2	79.2	37.2	237.3	8	Ci. NE	S.-Cu.	4	Ci. NE	Cu.-N.
4	W	W	S	S	W	SW	47.3	109.2	94.6	57.1	308.2	10	Ci.-S NE	S.-Cu.	4	Ci.	Cu.-N. S
5	SW	SW	S	NE	W	W	53.6	80.5	92.2	39.7	266	6	Ci.	S.-Cu.	1	Ci.-S.	Cu.-N.
6	SW	SW	S	NE	NE	SW	52.1	105.2	100.6	61.4	319.3	8	Ci. NE	Cu.	1	Ci.	Cu.-N.
7	S	S	S	E	NE	SE	67	110.2	88	58.1	323.3	8	Ci. SE	S.-Cu.	1	------	Cu.-N.
8	SE	S	S	NE	NE	SE	86.3	114.1	77.9	75.1	353.4	5	Ci. SE	S.-Cu.	5	Ci.	Cu.-N. sw
9	S	S	S	NE	SE	S	107	93.9	78.4	40.4	319.7	7	Ci.-S. NE	S.-Cu.	8	Ci. NE	Cu.-N. W
10	S	SE	S	E	N	N	45.4	79.5	75.1	49.7	249.7	7	Ci. NE	Cu.	1	Ci.	Cu.-N.
11	SW	SW	N	NE	W	W	52.5	44.8	87.9	55.2	240.4	5	Ci.-S. NE	S.-Cu.	7	Ci.-S. E	Cu.-N. S
12	SW	S	SW	NE	NE	W	35.6	47.7	80.5	55	218.8	6	Ci. NE	Cu.-N. S	5	Ci. NE	Cu.-N.
13	SW	S	S	NE	NE	W	70.2	71.9	86.7	47	275.8	10	Ci.	S.-Cu.	5	Ci.	Cu.-N.
14	W	SW	S	NW	S	S	58.5	133.6	88.2	45.3	325.6	10	Ci.-S. E	S.-Cu.	10	Ci.	Cu.-N. S
15	S	S	S	SE	NE	SE	87.9	96.9	73.8	49.9	308.5	7	A.-Cu. SW	S.-Cu.	10	A.-Cu. SW	S.-Cu.
16	SW	SW	S	N	S	W	48.6	78.3	74.3	67	268.2	1	Ci.	Cu.	10	Ci.-S. W	S.-Cu.
17	SW	S	S	N	NE	NE	96.8	99.3	86.7	31.4	314.2	8	Ci. E	Cu.	5	Ci. E	Cu.-N.
18	NE	SW	S	N	N	SE	57.3	86.3	85	42.5	271.1	10	Ci.-S. E	S.-Cu.	4	Ci.	Cu.-N. W
19	SW	SW	S	N	E	S	71.8	108.8	91.4	108.1	380.1	8	Ci.-S. E	S.-Cu.	1	Ci.-S.	Cu.-N.
20	SW	SW	S	NE	NE	SE	81.1	110.4	98.5	63.6	353.6	1	Ci. E	------	3	Ci.	Cu.-N. W
21	S	S	S	N	N	E	94.4	106.4	78.7	54.4	333.9	10	Ci. NE	S.-Cu.	10	Ci.	Cu.-N. W
22	S	S	S	NE	W	S	108.1	75	88.5	58.2	329.8	10	Ci.-S.	S.-Cu.	7	Ci.-S. NE	Cu.-N.
23	S	S	S	NW	N	S	68.2	121.3	67.9	54.5	311.9	4	Ci. NE	S.-Cu.	10	Ci. NE	Cu.-N.
24	S	S	S	N	E	E	85.1	91.7	92.3	65	334.1	6	Ci. E	S.-Cu.	8	Ci.-S. E	Cu.-N.
25	S	S	S	NE	E	SE	116.4	129.2	112.1	68.9	426.6	0	------	------	2	Ci.	Cu.
26	S	S	S	NE	NE	E	86.1	69.2	105.2	67.6	328.1	6	Ci.-S. NE	------	6	Ci. NE	Cu.-N.
27	S	S	S	N	NE	SE	73	95.2	107.8	72.7	348.7	7	Ci.-Cu.	------	1	Ci.	Cu.-N.
28	W	SW	SW	NE	NE	E	60.7	52.8	100	61.2	274.7	2	Ci.	Cu.-N.	9	Ci. E	Cu.-N.
29	N	S	S	NE	NE	SW	63.4	54.5	93.3	94.3	305.5	10	Ci.-S. E	Cu.-N.	10	Ci.-S.	Cu.-N.
30	SW	SW	S	S	E	S	46.1	79.5	101.4	67.6	294.6	8	Ci. E	S.-Cu.	8	Ci. E	Cu.-N. sw
Mean	------	------	------	------	------	------	71	90.6	88.1	59.8	309.5	6.6	------	------	5.4	------	------
Total	------	------	------	------	------	------	------	------	------	------	9,285.1	------	------	------	------	------	------

APARRI.

[ϕ=18° 22′ N; λ=121° 38′ E; barometer above sea, 5 meters; gravity correction not applied, —1.57 mm.]

JULY, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	56.93	57.43	57.61	55.80	56.72	59.51	24.3	24.4	29	33.5	29.9	26.8	33.9	22.6	92	92	74	58	69	83	
2	57.46	57.27	56.83	55.75	56.68	57.51	24.8	24.7	29.9	33	30.7	29	34	23.9	90	91	69	58	70	76	
3	57.29	57.41	57.81	56.83	56.87	58.33	25.6	25.7	30.6	31.6	30	28	33.7	25	93	93	71	68	77	88	
4	58.19	58.43	58.65	57.16	56.95	58.76	27	26.1	31.4	33.9	31.9	27.2	34.4	25.1	90	91	67	62	61	86	
5	58.86	58.97	58.54	56.85	56.52	57.99	26.1	26.1	31.2	33.9	31	28.4	34.3	25.2	91	89	64	63	72	80	
6	57.55	57.78	58.09	56.83	56.82	58.46	26.5	26	31.4	33	30.5	27.9	34	25.1	85	85	60	58	68	82	
7	57.70	57.44	57.51	55.97	56.44	58.09	26	25.2	30.5	32	29.9	27.7	33.2	24.6	90	93	71	66	72	85	
8	57.42	56.92	57.04	55.61	56.44	57.94	25.5	25.3	30.3	31.6	26.5	26.1	34.3	24.6	91	91	68	68	90	89	17.8
9	56.93	57.03	57.89	57.13	57.17	57.76	25.6	25.2	28.3	29.1	27.5	26.2	30	23.5	92	93	78	76	78	85	
10	57.41	58.17	57.99	56.72	57.11	58.89	25.7	24.6	29.3	32	28.8	26.4	33.6	24	86	92	72	69	73	82	
11	58.36	58.32	58.56	56.83	56.64	59.05	25.2	24.6	29.6	31	30.5	24.4	33.4	23.9	88	92	70	69	72	90	.8
12	58.03	58.15	58.60	56.91	56.82	58.97	24.5	24.6	28	29.5	29.6	27.6	31.1	22.6	89	88	79	78	77	83	
13	57.77	57.87	57.98	56.27	56.70	58.55	25.2	25	30.5	32.6	29.7	26.9	33.4	24.2	85	85	68	65	68	83	
14	57.50	57.79	57.94	56.05	57.26	58.86	25.8	25.6	30.3	33	26.6	25.8	34.7	25	90	91	68	65	80	85	
15	57.68	57.87	58.36	56.68	57.09	58.30	25.1	25	30	32	29.6	27.6	34.4	23.6	86	87	67	65	77	84	
16	57.81	57.93	57.69	56.64	57.24	58.41	26.2	25.4	31.3	32	29.1	26.1	34	24.8	90	95	70	67	80	83	
17	58.06	57.56	57.85	56.27	56.12	57.89	25.2	24.6	29.3	32.2	30.1	27.6	34	24.1	85	87	72	66	80	87	
18	57.49	57.18	56.95	55.90	55.25	56.10	25.5	24.6	29.6	29.8	29.5	26.2	31.2	24.2	88	91	72	85	75	89	
19	55.78	55.21	55.93	54.20	53.57	55	25.9	25	26.9	31	29.5	26.2	31.8	24.2	88	93	88	74	72	84	.8
20	53.96	54.06	54.74	52.96	52.77	54.34	25.6	25.6	30.6	32.3	29.8	28	33.2	25.2	93	93	74	68	77	83	
21	52.87	53.01	53.46	51.84	53.71	54.47	25	24.4	29	31.4	25.6	24.4	32.3	23.8	90	93	76	70	93	93	20.9
22	53.63	52.94	53.81	52.65	53.34	54.86	24.4	24.6	29	30.3	29.2	26.9	31.3	23.6	93	93	75	70	72	85	
23	54.26	53.92	54.51	53.34	53.59	55.94	25.9	25.5	28.2	29.9	29.1	24.2	30.5	24	89	89	78	72	80	97	28
24	54.56	54.71	55.20	54.57	54.69	56.74	24.5	25	30	32.4	29.6	24.2	33.2	23.6	94	93	71	68	74	93	.8
25	55.83	55.70	56.56	55.31	55.75	57.49	24.1	23.5	29.2	32.6	29.3	26	33.6	23.1	94	94	76	60	76	95	
26	56.46	56.64	57.69	56.81	56.39	58.44	25.1	24.1	30.1	29	29.7	26.4	32.2	23.8	92	92	73	83	71	86	2.5
27	56.95	57.08	57.56	56.17	55.99	57.26	25.1	25	30	32.4	29.2	27.2	33.1	24.6	91	92	73	67	75	80	1
28	56.77	55.96	56.71	55.14	55.09	56	24.8	24.5	28.9	29	28	27.1	31.3	24.1	93	94	82	76	80	85	2
29	55.26	55.41	56.14	54.66	54.69	55.76	25.2	25	29.5	31	29.5	26.6	32.5	24	95	95	73	71	75	83	27.9
30	54.81	54.73	55.05	53.36	52.53	54.03	25.2	24.4	27	27.9	25.2	25	29	23.4	90	95	84	84	93	93	15
31	53.11	52.25	52.79	50.89	50.13	50.61	23.4	24.9	26.7	26.2	26	24.9	27.5	23	95	87	83	90	90	91	54.4
Mean	56.54	56.49	56.84	55.42	55.58	57.11	25.3	25	29.5	31.3	29.1	26.5	32.7	24.1	90.3	91.3	73.1	69.6	76.4	86.1	
Total																					171.9

Day.	Wind.											Clouds.						
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.				2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.	
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*			
1	S	S	S	S	NE	W	77.9	114	77.9	71	340.8	3	Ci. E	Cu.	7	Ci. E	Cu.-N.	
2	SW	W	S	S	N	N	64.1	120.5	101.7	43.1	329.4	10	Ci.-S. E	S.-Cu.	10	Ci. E	Cu.-N.	
3	NW	NW	SW	NE	NE	NW	46.7	54.5	93.8	74.5	269.5	10	Ci.	S.-Cu.	8	Ci.	Cu.-N. S	
4	SW	SW	S	NE	SE	S	39.7	86.6	79.9	57.7	263.9	0			1		Cu.-N.	
5	S	SW	S	NE	E	E	43.8	72.2	85.9	54.1	256	0			1		Cu.-N.	
6	S	S	S	NE	NE	NE	60.6	71.8	89.8	76.6	298.8	5	Ci.		1		Cu.-N.	
7	N	SE	SE	N	NE	NW	52.8	56.6	93.3	56.1	258.8	7	Ci.-S. E	S.-Cu.	6	Ci. E	Cu.-N.	
8	NW	S	S	NE	NE	NW	60.7	122	95.3	47.5	325.5	5	Ci. E	Cu.	4	Ci. E	Cu.-N.	
9	NW	NW	S	S	S	S	30.1	90.9	86.3	55	262.3	4	A.-Cu. SE	S.-Cu.	10	Ci.-S.	S.-Cu. S	
10	S	S	S	E	SW	S	69.8	72.2	101.6	89.3	332.9	7	Ci. E	S.-Cu.	8	Ci. E	Cu.-N.	
11	S	S	S	NE	NE	W	65	59.5	85.8	81.1	291.4	10	Ci.-S. S	S.-Cu.	7	Ci.-S.	Cu.-N.	
12	W	SW	SW	E	E	S	46.9	66	60.9	59.5	233.3	5	Ci.-S.	Cu.-N.	10	A.-S.	Cu.	
13	W	W	SW	NE	N	W	53.9	48.1	103	72.7	277.7	4	Ci.-S.	Cu.-N. NE	2	Ci.	Cu.-N. S	
14	W	W	S	NE	W	SW	35.7	95.3	107.8	68.9	307.7	1		S.-Cu.	1	Ci.	Cu.-N.	
15	SW	SW	S	E	N	N	53.9	85.5	109.4	91.1	339.9	3	Ci.	S.-Cu.	6	A.-Cu. S	Cu.-N.	
16	W	SW	S	NE	NE	W	49.6	84	75.9	74	283.5	0			7	Ci.-S. W	Cu.-N.	
17	SW	SW	S	NE	NE	N	54.5	100.4	89.1	68.6	312.6	1	A.-Cu.	S.-Cu.	3	Ci.-S.	Cu.-N.	
18	W	W	SE	E	E	E	64.7	43.8	59.3	47.2	215	10	Ci.-S. S	S.-Cu.	10	Ci. S	Cu.-N.	
19	E	E	E	NE	E	E	41	26.4	75.9	61.2	204.5	5	Ci.-S.	Cu.-N. E	6	Ci.-S. E	Cu.-N.	
20	E	E	E	NE	NE	E	26.2	49.9		76.1		2	Ci.	S.-Cu.	7	Ci. W	Cu.-N.	
21	S	S	S	N	N	S	73.5	73.4	109.2	61.2	317.3	6	Ci.-S. S	Cu.-N.	6	Ci. S	Cu.-N.	
22	S	S	S	S	S	S	89.3	129.5	130.2	45.7	394.7	10	A.-S.	S.-Cu.	10	A.-S.	S.-Cu.	
23	S	S	S	S	S	S	36.4	81.8	48.6	49.3	216.1	10	A.-S.	S.-Cu.	10	A.-S.	S.-Cu.	
24	SW	SW	S	N	NE	S	38.6	52.1	74	86.7	251.4	10	Ci.-S.	S.-Cu. S	2	Ci.-S.	Cu.	
25	S	S	S	E	NE	NE	81.8	83.2	68.6	55	288.6	1	Ci.	Cu.	2	Ci.	Cu.-N.	
26	S	S	S	NE	SE	E	62.5	71.3	54.1	24.9	212.8	0			7	Ci.-S.	Cu.	
27	SE	SE	SE	E	E	E	54.5	53.6	112.7	59.5	280.3	3	A.-Cu. SE	S.-Cu.	5	Ci.	Cu.-N.	
28	SE	SE	SE	SE	E	S	31.2		76.2	86.7		10		Cu.-N. SE	10	Ci.-S.	Cu.-N. SE	
29	E	SE	SE	NE	NE	S	50.2	53.9	85.9	62.6	252.6	1	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N.	
30	S	S	W	SW	SW	S	65.5	64.4	91.7	107	328.6	10	Ci.-S.	S.-Cu.	10		S.-Cu.	
31	SW	S	S	S	S	S	74.2	153.5	107.5	152.6	487.8	10		S.-Cu. W	10		N.	
Mean							54.7	77.9	87.7	68.3	290.8	5.3			6.4			

APARRI.

[$\phi = 18°\ 22'$ N; $\lambda = 121°\ 38'$ E; barometer above sea, 5 meters; gravity correction not applied, —1.57 mm.]

AUGUST, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	50.07	50.07	51.71	50.70	51.02	52.51	24	24	24	25	24	24	25.5	23.1	91	91	93	92	95	95	60.1
2	52.37	53.02	54.46	53.68	53.98	55.33	24	24	25.5	27.7	26.8	25.9	29.4	23.1	93	91	90	86	92	91	4.4
3	55.13	55.23	56.61	55.39	56.91	57.51	25	24	29.1	31.5	26.8	24.2	32	23.5	90	91	71	72	86	95	1.5
4	55.33	56.94	57.06	55.95	56.58	57.75	24.1	24	28.4	30.9	29.5	26.4	31.5	23.1	94	95	77	71	76	89	2.1
5	57.14	56.64	57.29	56.20	55.67	57.44	25.1	24.9	28	31	30	28	32	24.2	94	94	85	74	71	77	------
6	57.11	57.82	58.35	56.87	56.84	58.66	25.3	24.2	29.6	31	29.2	27.8	31.7	23.6	91	97	77	68	75	83	------
7	57.91	58.36	58.59	57.34	57.12	58.50	26.2	24.8	30	30.9	29.7	26.5	32	24.1	90	93	71	66	72	90	------
8	57.36	57.50	58.02	56.09	56.31	57.81	25.1	24.2	28.9	32	29.2	26.4	32.5	23.6	91	91	76	63	74	89	27.2
9	57.11	56.63	57.67	56.19	55.69	57.44	24.9	24.4	27.6	31	29	27.7	32.2	24	92	93	84	70	72	79	3.3
10	56.56	56.79	57.80	56.35	56.55	58.08	25.1	25	28.6	28.2	25	24.8	30.9	23.7	96	95	77	87	92	93	15.5
11	57.28	57.40	58.14	55.96	55.78	56.93	23.5	24	24.2	26.8	26.6	25.6	28.1	22.9	96	95	97	84	86	90	55.7
12	56.02	55.94	56.55	54.33	54.11	55.85	24	24	24.6	27	26.3	25	28	23.5	95	95	95	80	85	90	8.9
13	54.95	54.51	54.82	53.63	53.56	54.84	24	23.5	28.1	31	28.2	27	31.5	23.1	93	96	77	71	79	83	3.3
14	54.31	54.54	55.26	54.05	54.83	56.91	25.1	24.6	28.8	30.3	28.5	27.4	31	24.1	92	95	79	76	77	81	6.4
15	56.29	56.53	57.31	55.34	56.36	57.83	24.2	24.1	28.6	32.2	28.8	25.3	32.7	23.6	93	94	78	66	76	89	1.8
16	57.03	57.13	58.36	55.69	55.93	57.05	24.9	24.5	28.3	31	28	27.5	31.6	24.1	92	94	82	69	83	82	------
17	56.41	56.76	56.61	55.25	54.89	56.16	26.2	25.4	28.5	29.1	28.8	27.9	29.8	24.6	89	92	80	76	78	84	------
18	55.51	55.55	56.54	54.39	55.76	56.11	26	25.8	29	31	25.2	25	33.4	24.6	92	92	78	69	93	92	5.3
19	55.58	55.78	56.61	54.99	54.74	56.69	24.5	23.8	28.5	30.8	27	25.4	32	23.6	92	95	81	69	87	90	------
20	56.26	56.18	57.04	55.14	56.01	57.61	25	25	29.5	31.5	29	26.6	32.4	24.6	92	92	78	71	76	92	------
21	56.26	56.51	57.35	55.56	55.69	57.44	25.5	25	29.4	31.6	29.5	27.1	32	24.6	91	92	76	70	77	87	------
22	56.39	56.51	57.41	55.57	55.65	57.77	24.9	24.6	30.3	32.3	29.5	26.3	33	24.1	92	93	74	67	75	90	------
23	56.01	55.49	56.21	54.47	54.81	56.41	25.3	25	29.5	32.5	29.1	26.5	33.4	24.2	93	93	77	66	77	93	3.8
24	55.78	56.27	56.96	55.32	55.21	56.70	25.2	24.8	29.2	31.3	29	27.5	31.5	24.6	95	95	83	70	81	91	1.5
25	55.82	55.51	56.73	54.79	54.61	55.69	25.7	25.3	26	28.5	26	25	29.5	24.7	89	93	92	80	87	92	3.1
26	54.08	53.87	54.34	52.19	52.10	53.73	24.1	23.8	28.8	31	29.2	26.5	31.8	23.1	96	97	79	72	75	90	------
27	52.03	51.65	52.07	50.39	49.93	50.81	24.8	24.1	29.5	31	29.4	26.7	32	23.8	92	94	75	65	76	93	------
28	50.25	49.63	50.14	48.92	49.92	50.87	25.7	25.1	29	31	28	26.8	32	24.4	93	94	78	72	83	81	------
29	49.56	49.87	50.85	49.64	50.20	52.37	26.9	26.4	29.1	29.5	29	26.8	31.9	25.1	83	84	73	67	69	94	------
30	51.83	52.48	53.30	53.30	52.82	53.70	24.5	25.5	27.6	27.3	25.5	25.4	29.4	24.2	96	94	83	86	91	92	.8
31	52.79	52.55	53.12	51.44	51.47	52.58	25.2	24.8	28.2	29.1	26.4	26.1	30.5	24.2	87	90	79	77	84	93	------
Mean	55.05	55.15	55.91	54.36	54.55	55.97	25	24.6	28.2	30.2	27.9	26.3	31.2	23.9	92.1	93.2	80.5	73.3	80.6	88.7	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	204.7

Day.	Wind.											Clouds.						
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.			
												Amount.	Form and direction.		Amount.	Form and direction.		
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.	
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*			
1	S	S	S	S	S	S	198	185.7	193.1	176.7	753.5	10		N.	10		N.	
2	S	S	S	S	S	S	136.5	104.6	84.5	66.6	392.2	10		N. SW	10		S.-Cu. SW	
3	S	S	S	E	W	W	64.1	69	87.2	64.1	284.4	10	Ci.-S. E	S.-Cu.	7	Ci.-S. E	Cu.-N.	
4	W	S	S	NE	NE	NE	63.8	67.3	67.6	33.2	231.9	10	Ci.-S. E	S.-Cu.	6	A.-Cu. E	Cu.-N.	
5	NE	NE	NE	NE	NE	NE	52.5	59.2	92.3	69.8	273.8	5		Cu.-N. E	1		Cu.-N.	
6	NE	SE	SE	NE	NE	NE	58.7	34.6	83.1	51.2	227.6	10		Cu.-N. N	1	Ci.	Cu.-N.	
7	NE	S	S	N	N	N	64.1	52.1	71.8	47	235	1		Cu.-N.	1		Cu.-N.	
8	S	S	S	E	N	NE	81.5	85.3	81.8	50.9	299.5	10	Ci.-S.	S.-Cu.	10	Ci.-S.	Cu.-N.	
9	N	S	SW	E	NE	NE	56.8	72.9	94.3	82.3	306.3	10	Ci.-S. E	S.-Cu. S	8	Ci.-S. E	Cu.-N.	
10	NE	NE	NE	NE	SW	SW	32.5	49.4	57.6	50.4	189.9	10	Ci.-S. E	S.-Cu.	10	Ci.-S.	S.-Cu.	
11	NE	Calm	W	SW	SW	S	46.2	60.4	46.1	35.1	187.8	10		N. NE	10		Cu.-N. E	
12	N	N	N	Calm	N	Calm	61.7	42.6	27.7	26.2	158.2	10		N.	10	Ci.-S.	S.-Cu.	
13	Calm	SW	S	NE	ENE	N	39.9	41.8	64.2	43	188.9	10	A.-Cu. E	S.-Cu.	7	A.-Cu. E	Cu.-N.	
14	Calm	S	S	N	N	N	47.5	52.6	100.8	68.6	269.5	0			1		Cu.-N.	
15	Calm	SW	SW	NE	NE	W	49.3	94.3	70.8	62.2	276.6	0			0			
16	W	SW	SW	Calm	NE	N	42	63.4	57.1	85.1	247.6	1	Ci.-S.	S.-Cu.	9	Ci.-S.	Cu.-N.	
17	W	S	SW	NE	N	Calm	55	42.3	98.8	62.8	258.9	10	Ci.-S.	S.-Cu. E	10	Ci.-S.	S.-Cu.	
18	Calm	SW	S	NE	SW	SE	39.4	76.9	78.4	48	242.7	10	Ci.-S.	S.-Cu. W	8	Ci.	Cu.-N. S	
19	SE	SE	S	N	SW	SW	44.8	69.2	73.4	57.6	245	1	Ci.	S.-Cu.	8	Ci. E	Cu.-N.	
20	S	S	S	NE	NE	SW	51	44.9	72.4	42.1	210.4	8	Ci. E	S.-Cu.	8	Ci.-S.	Cu.-N.	
21	Calm	SE	S	E	E	S	53.7	86.9	82.9	60.7	284.2	9	Ci.-S. E	S.-Cu.	8	Ci.-S.	Cu.-N. SE	
22	W	W	SW	NE	NE	N	42.1	45.4	85.6	80.8	253.9	4	Ci. E	S.-Cu.	3	Ci.	Cu.-N.	
23	SW	SE	SW	NE	N	N	52.3	62	87.2	67	268.5	1	Ci.	S.-Cu.	2	Ci.	Cu.-N.	
24	N	SW	N	N	N	N	57.6	67.6	105.9	62.3	293.4	6	Ci.-S. E	Cu.-N. NE	3	Ci.	Cu.-N.	
25	N	SW	NNW	NNW	NE	SW	66.5	109.7	140.3	54.9	371.4	10		N. NE	10		S.-Cu. N	
26	SW	SW	S	N	N	N	49.1	68.9	132.3	97.6	347.9	0			1		Cu.-N.	
27	N	SW	Calm	N	W	SW	67	72.1	104	47	290.1	5	Ci.	Cu.-N	10	Ci.	S.-Cu. W	
28	SW	SW	SW	NW	NW	SW	38	67.1	84.5	79.5	269.1	10	A.-S.	S.-Cu.	9	A.-Cu. W	S.-Cu.	
29	SW	S	S	SW	W	SW	126.8	116.2	186.7	108.4	538.1	10	Ci.-S.	S.-Cu.	10	Ci.-S.	S.-Cu. SW	
30	SW	SW	SW	W	SW	SW	82.4	77.9	77.9	68.2	306.4	10	Ci.-S.	S.-Cu.	10		N.	
31	S	S	S	NE	SW	S	133.9	77.2	55.5	47.5	314.1	10	Ci.-S.	S.-Cu. W	10		S.-Cu.	
Mean	------	------	------	------	------	------	66.3	71.6	88.6	64.4	290.9	7.1	------	------	6.8	------	------	
Total	------	------	------	------	------	------	------	------	------	------	9,016.8	----	------	------	----	------	------	

APARRI.

[$\phi = 18°\ 22'$ N; $\lambda = 121°\ 38'$ E; barometer above sea, 5 meters; gravity correction not applied, −1.57 mm.]

SEPTEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*°C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	51.50	51.64	52.27	51	51.46	52.91	24.6	24.4	28.3	31.2	28	26.4	32	23.7	93	95	79	67	83	89	33.1
2	52.42	52.34	53.16	52.24	52.28	53.81	26	26	26.5	29.6	27	25.2	31.8	23.6	92	92	88	77	80	90	------
3	53.29	53.67	54.61	52.86	52.86	54.11	24.6	24	26.2	28.6	27	25.3	30	23.5	92	93	90	80	75	89	1.3
4	53.40	53.85	54.80	52.85	55.01	55.62	24.8	25	28.6	30	24.5	24.2	32.5	23.6	95	95	80	75	94	95	70.7
5	55.02	55.13	56.30	54.96	55.97	58.21	24.3	24.2	28.8	31	28.9	27.6	32.7	23.3	94	95	73	82	81	80	------
6	57.67	58.06	58.96	56.86	57.34	58.98	25.5	24.9	30.9	31.9	29.5	27.4	32.8	24.6	91	92	72	67	80	83	------
7	58.38	58.46	58.76	57.13	57.14	58.14	25.9	25.5	30.5	32.4	29.4	27	33	25.1	93	94	72	67	75	84	------
8	57.32	57.42	57.60	56.38	56.40	58.22	25.7	25	29	32	28.5	26.4	33	24.6	91	92	75	66	80	87	------
9	56.33	56.62	57.29	55.34	56.30	57.69	25	24.8	30	32.2	28.6	26.9	32.6	24	93	95	73	69	80	85	.8
10	56.78	56.28	57.35	55.45	56.11	57.29	25.5	25.2	27.1	31.5	28.7	26.8	32.3	24.2	88	88	84	69	77	84	.8
11	56.11	56.17	56.95	54.82	55.33	56.22	25.1	24.6	28	31.5	28.6	25.9	32.2	24.1	91	93	79	69	76	89	------
12	55.86	55.73	56.35	54.82	54.80	56.50	24.7	24	28.9	31.3	27.4	27.5	31.6	23.6	92	95	78	70	85	84	6.9
13	55.61	55.60	56.16	54	54.29	55.59	24.8	24.2	29	30.3	28.4	26.4	31.4	23.6	93	95	78	76	80	85	------
14	54.43	53.86	53.88	52.11	51.81	52.27	24.8	24.1	28.4	29	27.8	27.8	30	23.6	92	92	79	80	84	83	20
15	49.88	49.41	50.02	47.36	46.93	47.06	27	28.1	26.5	28.3	27.7	27.2	28.6	25.4	84	87	90	84	84	86	32
16	45	46.29	47.50	47.01	47.98	49.60	25	25	26.4	27.5	26.5	25.7	28.4	24.1	88	88	90	81	80	83	------
17	50.18	51.01	52.39	51.95	53.07	55.17	25.4	25.5	30.2	31.8	29.5	26.4	33.5	24.6	84	83	66	58	80	89	------
18	54.53	55.16	55.56	54.05	54.45	56.16	25.2	25	28.5	30.1	27.5	25	31.4	24.1	92	93	81	74	84	90	12.9
19	54.78	54.73	55.53	53.27	53.81	55.25	24.6	24.3	27.4	29	28	26.5	31	23.6	92	94	79	74	83	88	5.4
20	54.56	54.23	55.15	53.33	54.16	56.07	25.4	25	29.3	30.9	28	26.5	31.6	24.1	93	95	77	69	85	88	------
21	54.79	55.01	55.79	54.01	55.14	56.38	25.8	25	29.5	32.4	27.2	25.9	33	24.1	90	87	74	70	89	89	2.5
22	55.99	56.53	57.74	56.30	57.52	59.36	25.5	24	29.8	30	26.4	25.5	32.2	23.2	91	90	69	74	90	93	.5
23	59.03	59.22	60.21	58.48	59.20	61.12	24.8	24.2	28.1	32.2	26.2	25	33	23.6	93	93	78	60	81	88	14.3
24	60.46	60.08	61.01	59.19	59.20	60.76	24.2	24	26.1	25.4	26.5	24.2	27.5	23.5	93	95	87	92	82	95	51.9
25	60.01	59.02	60.24	58.84	58.95	60.06	25	26	29.3	30	26.5	26.5	31	24.5	92	85	80	75	80	82	14.7
26	58.51	57.94	59.28	57.11	56.71	57.71	25.7	26.1	26.6	28	26	26.3	28.7	23.6	89	89	90	83	90	88	31.5
27	55.73	54.73	54.58	52	49.65	46.57	25.5	26.5	26.6	25.6	25.3	25	27.5	23 ?	88	83	89	92	93	93	151.7
28	41.40	39.16	44.24	47.73	50.34	52.25	24.6	24.3	24.7	25.1	25	24.3	27.5	23 ?	95	96	96	89	87	84	50.7
29	52.15	52.33	53.07	52.88	53.43	54.50	24.1	24	24.7	26.8	25.8	25.4	27.7	23.1	86	86	78	78	85	84	.5
30	54.05	54.65	55.49	54.08	54.86	56.28	24.4	23.5	27.1	27	26.5	24.9	30.5	22.4	88	87	76	85	82	91	------
Mean	54.51	54.48	55.41	53.95	54.42	55.66	25.1	24.9	28	29.8	27.4	26	31	23.8	90.9	91.2	80	75.1	82.8	87.3	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	502.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Mid-night.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	SW	S	S	E	N	N	73	51.7	89	88.3	302	10	Ci.-S.	S.-Cu. E	9	Ci.-S.	S.-Cu.
2	W	NW	S	NE	E	E	94.6	65.8	113	69.5	342.9	10	----------	N. NE	10	Ci.-S. E	Cu.-N.
3	SE	SE	SE	SE	E	E	36.8	47.3	76.4	70.6	231.1	2	Ci.	S.-Cu.	10	A.-Cu. E	S.-Cu.
4	S	S	S	E	NW	SW	37.8	84	108.4	57.7	287.9	9	A.-Cu. SW	S.-Cu.	10	----------	Cu.-N. SE
5	SW	SW	SW	SW	N	Calm	45.3	89.1	80.5	65.8	280.7	1	Ci. E	----------	7	----------	Cu.-N. SW
6	W	W	N	N	NE	NE	40.7	40.4	68.4	54.1	203.6	0	----------	----------	0	----------	----------
7	W	W	NE	NE	NE	SE	26	40.2	84	48	198.2	0	----------	----------	0	----------	----------
8	W	S	S	NE	NE	S	41.5	46.7	83.5	48	219.7	0	----------	----------	5	----------	Cu.-N. NE
9	S	SW	S	E	N	NE	58.5	61.4	97.9	77.2	295	1	----------	S.-Cu.	2	----------	Cu.-N.
10	N	WSW	Calm	NE	N	NE	60.6	32.4	85.1	67.6	245.7	5	Ci.-S. E	S.-Cu.	8	Ci.-S. E	Cu.-N.
11	W	SW	SW	E	NE	NW	69.4	47	73.5	71.8	261.7	8	A.-Cu. S	S.-Cu.	8	Ci. E	Cu.-N.
12	SW	SW	SW	N	NE	N	82.1	73	85.3	88.5	328.9	5	Ci. NE	S.-Cu.	7	Ci. NE	Cu.-N.
13	S	S	S	NE	N	N	47.8	55.5	115.6	117.2	336.1	5	Ci. NE	S.-Cu.	3	Ci. E	Cu.-N.
14	W	SW	NW	NW	N	N	56.8	107.6	193.1	149.7	507.2	10	Ci. E	Cu.-N.	9	Ci. NNE	Cu.-N.
15	NW	N	N	NNW	NNW	NW	213.2	245.7	312.7	307.9	1,079.5	10	----------	N. N	10	----------	N. N
16	W	NW	W	NW	SW	SW	154.7	49.9	64.9	65.4	334.9	10	----------	S.-Cu. W	10	----------	S.-Cu. W
17	SW	SW	S	SW	E	SW	92.5	81.3	81.8	52.5	308.1	10	Ci.-S.	S.-Cu. SW	9	A.-Cu. W	S.-Cu.
18	S	S	NW	N	N	N	45.4	62.3	83.1	100.4	291.2	10	----------	S.-Cu. NE	7	A.-Cu. S	Cu.-N.
19	W	S	S	E	NE	W	57.7	38.4	64.7	70.6	231.4	10	----------	S.-Cu. N	7	Ci. E	Cu.-N.
20	W	SW	Calm	NE	N	NW	44.8	45.4	102.4	93.8	286.4	2	A.-Cu. NE	S.-Cu.	2	Ci.-S.	Cu.-N.
21	SW	Calm	S	E	S	Calm	33.8	68.4	50.2	33.2	185.6	1	Ci.	Cu.	10	Ci.-S. N	Cu.-N. W
22	S	S	SW	N	S	S	37	61.2	67	50.1	215.3	7	Ci. E	S.-Cu.	9	----------	Cu.-N. SW
23	S	S	S	NE	ENE	E	69	65.7	105.9	88.2	328.8	1	Ci.-S.	S.-Cu.	7	A.-Cu. E	S.-Cu.
24	NE	SW	NE	E	ENE	E	56.9	41.8	141.3	136.6	376.6	4	----------	S.-Cu. E	10	----------	S.-Cu. E
25	E	ENE	NE	NE	ENE	ENE	116.7	136.8	146.7	114.1	514.3	5	----------	Cu.-N. ENE	7	----------	Cu.-N. NE
26	NE	E	NE	NE	NE	ENE	120.5	114.9	172.2	178.3	585.9	10	----------	N. ENE	10	----------	Cu.-N. NE
27	N	NNE	NNE	NNE	N	N	185.6	203.6	255.1	437	1,081.3	10	----------	N. NE	10	----------	N. NNE
28	NW	NW	W	W	W	W	511.7	442.6	214.9	131.2	1,300.4	10	----------	N. NW	10	----------	N. W
29	SW	SW	SW	SW	S	Calm	82.3	111.8	43.3	30	267.4	10	----------	S.-Cu. W	10	----------	S.-Cu.
30	Calm	Calm	Calm	NW	NW	S	16.6	29.3	134.2	83.4	263.5	8	A.-Cu. SE	S.-Cu.	10	----------	S.-Cu. W
Mean	------	------	------	------	------	------	87	88	113.1	101.6	389.7	6.1	----------	----------	7.5	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	11,691.3	----	----------	----------	----	----------	----------

APARRI.

[$\phi = 18°\ 22'$ N; $\lambda = 121°\ 38'$ E; barometer above sea, 5 meters; gravity correction not applied, −1.57 mm.]

OCTOBER, 1912.

Day.	Atmospheric pressure, 700 mm. +						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	56.15	56.59	57.96	56.14	56.78	58.71	24	24	26.4	28.5	26.5	25.8	29.4	22.6	95	95	75	70	79	82	------
2	58.46	58.63	59.84	58.25	59.19	60.28	25	24.5	26.4	27.1	24.4	24.7	30.5	23.7	88	92	81	77	90	89	16
3	58.58	59.23	59.72	57.38	57.43	59.28	24.4	23.5	25.5	25.4	24.7	24.4	27	23.1	88	94	88	93	94	95	20
4	58.38	59.04	60.01	58.25	59.01	60.01	24.2	24	27.4	27.6	25.4	25.4	29.4	23.1	93	91	76	80	87	85	7.3
5	58.98	59.47	60.55	58.79	59.19	59.54	24.7	25	28.9	28.9	25.8	24.8	31	24	84	83	71	71	84	92	15.5
6	58.61	58.58	60.09	57.84	58.97	60.50	24.9	24.6	28	30.5	26.8	25.5	31.1	24.1	92	93	83	71	84	84	------
7	59.91	60.07	61.35	59.23	59.45	60.32	24.4	23.5	29.2	30	25.5	26	30.8	23.1	91	94	75	72	88	92	30
8	59.11	59.19	59.95	57.47	57.58	58.09	25.7	25.2	27.6	26	25.4	25.4	29.6	24.2	93	93	85	92	92	92	18.8
9	56.73	56.12	57	54.87	54.86	55.71	25.8	25.8	27	27	26.5	24.7	28.1	24	88	88	89	89	91	94	26.4
10	54.19	53.90	54.68	51.70	51.79	53.83	25	24	24.5	25.8	27	24.3	27.5	23.6	93	96	96	93	90	94	23.2
11	54.18	55.69	57.82	56.52	56.91	58.93	24.9	24.2	26.6	27	25	24	28.2	23.3	92	94	87	80	90	93	7.2
12	58.83	58.65	59.96	58.43	58.69	60.25	23.3	23.1	26.1	25.1	24.9	24.5	28.4	22.6	94	96	83	95	87	91	12.5
13	59.48	59.63	60.49	58.36	58.87	59.77	23.8	23.9	27.7	29.2	26.1	25.5	30	23.2	95	96	82	79	86	88	6.6
14	58.64	58.46	59.35	57.71	58.53	59.64	24.8	24.2	28.1	29	26.2	26	30.1	24.1	92	93	91	78	87	87	2
15	58.67	58.76	59.12	57.01	57.21	59.11	25.7	25.3	26.9	29.1	27	26	30	24.6	89	93	85	77	84	89	.3
16	58.94	59.26	60.64	58.41	59.51	60.70	25.3	25.9	28.5	29.1	26	25	30	23.4	86	83	74	67	67	74	.8
17	59.50	59.62	60.79	58.91	58.98	60.41	25.1	25.3	27.4	27.3	26.2	26	29.8	23.1	76	77	71	75	76	78	------
18	59.65	59.84	61.17	59.57	60.42	61.91	25.2	25	26	24.9	25.5	25.3	27.6	23.7	87	88	88	92	88	88	.3
19	61.14	61.72	62.66	60.80	60.85	62.47	25.3	25	28	29.1	25.8	25.5	30.8	24.5	84	82	68	70	88	89	.5
20	62.03	62.13	62.86	60.37	60.89	62.10	24.9	24.8	28.5	29.8	26	25.8	31	24.2	84	79	66	65	75	75	3.8
21	60.91	61.03	62.46	60.44	61.24	62.60	25.4	24	26.5	29.5	26.5	26	30.5	23.5	87	97	91	75	86	85	3.8
22	61.20	61.47	62.13	60.06	60.10	61.61	25.5	25.5	28.7	29	26.1	25.9	30.8	25	83	83	73	71	82	83	------
23	60.29	60.34	60.96	58.55	59.06	60.47	25.4	25.5	27.3	28.5	26.1	24.7	30	23.6	84	83	78	82	89	91	2
24	60	60.06	60.81	58.61	59.19	60.45	23.5	22.5	28.5	30	26.4	25.9	31	22.1	92	96	78	71	92	93	------
25	59.39	59.66	60.45	58.69	59.09	59.75	25.3	24.2	28.5	29.2	25.4	25.8	30.8	23.6	93	93	78	73	87	85	9.2
26	57.98	58.03	58.66	56.53	55.98	55.62	26	25.5	25.5	25.6	25.2	25.2	27.5	23.7	85	88	92	91	90	91	63.6
27	51.16	50.61	53.84	53.74	55.93	57.63	24.2	24.4	25.1	25	24.6	23.9	27	23.2	88	88	91	93	93	94	20.1
28	57.62	58.29	59.19	57.35	57.89	59.52	23.6	23.8	28.6	31	27.3	25	32.1	23	93	88	75	70	88	92	------
29	58.88	58.77	59.54	57.89	58.86	60.16	24.1	23.4	28.5	29.5	26.2	24.9	31.1	23.1	92	93	70	72	89	91	------
30	59.27	59.93	60.75	58.96	59.45	60.99	24.1	23.1	28	31.1	27.2	25	31.4	22.6	92	94	70	68	84	90	------
31	60.65	60.95	61.34	59.61	60.14	61.61	24.1	23	29	30	27.1	26.5	31	22.6	92	95	71	71	87	88	------
Mean	58.63	58.83	59.88	57.95	58.45	59.74	24.8	24.4	27.4	28.2	26	25.3	29.8	23.5	89.2	90.3	80	78.2	86.3	88.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	289.9

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				6 a. m.			2 p. m.		
										Total movement in 24 hours.	Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.		Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0-10*			*0-10*		
1	Calm	Calm	NW	N	N	N	24.9	80	129.3	77.9	312.1	7	A.-Cu. SW	S.-Cu.	0	----------	----------
2	N	Calm	N	NE	NE	E	50.9	51.5	68.4	40.4	211.2	10	----------	S.-Cu. W	10	----------	Cu.-N. W
3	S	S	S	SE	ESE	NE	49.6	23.9	47.5	106.2	227.2	10	----------	S.-Cu. S	10	----------	N.
4	E	NE	N	N	NE	ENE	69.7	80.3	------	100.8	------	10	----------	S.-Cu. NE	8	----------	Cu.-N. NE
5	ENE	ENE	ENE	NE	NE	ENE	82.7	110.2	121.7	118.1	432.7	7	----------	cu.-N. ENE	8	----------	Cu.-N. NE
6	E	E	E	NE	NE	E	79.7	37.2	105.9	90.7	313.5	10	----------	S.-Cu. SE	2	----------	Cu.-N.
7	Calm	SW	E	NE	E	ENE	24.9	43	103.6	89.1	260.6	2	Ci.	Cu.-N.	2	----------	Cu.-N. NE
8	ENE	ENE	NE	NE	N	N	100.8	84.7	113.5	155.9	454.9	10	----------	N. ENE	10	----------	Cu.-N. NE
9	NbyW	NbyW	NW	NW	N	NW	168.3	167.5	219.1	151	705.7	10	----------	cu.-N. NNE	10	Ci. NE	cu.-N. NW
10	W	SW	SW	S	S	S	142.6	162.3	143.2	98.2	546.3	10	----------	N.	10	----------	S.-Cu. S
11	SE	Calm	E	SE	E	SE	62.5	82.4	90.3	48.5	283.7	10	----------	N.	10	----------	S.-Cu. SE
12	SW	SW	Calm	SE	E	E	59.2	20.6	49.9	59.5	189.2	10	A.-Cu. SW	S.-Cu.	10	----------	Cu.-N. SE
13	E	Calm	E	E	E	E	31.2	60	122.3	90.3	303.8	10	----------	S.-Cu. E	7	Ci.-S. E	Cu.-N.
14	E	E	E	E	E	E	61	101.4	127.3	111.3	401	10	----------	N. E	5	----------	Cu.-N. E
15	E	E	E	E	E	E	76.6	86.7	115.4	76.7	355.4	2	----------	Cu.-N. E	1	----------	Cu.-N.
16	E	E	E	ENE	ENE	ENE	85	162.5	146.4	126.5	520.4	9	Ci.	Cu.-N. E	10	Ci.	Cu.-N.
17	ENE	ENE	ENE	E	ENE	ENE	134.2	157.7	165.7	134.4	592	9	A.-Cu. E	S.-Cu.	10	----------	S.-Cu. E
18	ENE	ENE	E	E	ENE	EbyN	128.1	149.5	134.4	102.2	514.2	10	----------	S.-Cu. E	10	----------	N.
19	ENE	ENE	ENE	NE	E	E	122.5	133.4	74	103	432.9	10	----------	S.-Cu. E	0	----------	----------
20	ENE	NE	ENE	NE	NE	NE	88.5	109.4	117.2	111.3	426.4	2	----------	Cu.-N.	1	----------	Cu.-N.
21	NE	ENE	E	E	ENE	ENE	92.3	68.6	113.3	113.5	387.7	10	----------	S.-Cu. ENE	9	A.-Cu. SE	Cu.-N.
22	ENE	ENE	E	NE	NE	E	114.6	123.7	124.9	101.6	464.8	2	----------	Cu.-N. ENE	1	----------	Cu.-N.
23	ENE	ENE	ENE	NE	Calm	W	91.2	90.4	73.4	25.4	280.4	1	----------	Cu.-N.	7	A.-Cu. E	Cu.-N.
24	Calm	Calm	ENE	NE	NE	ENE	21.9	37.8	106	78.6	244.3	0	----------	----------	0	----------	----------
25	E	Calm	NE	NE	NE	NE	53	69.2	115.3	97.2	334.7	1	----------	Cu.-N. ENE	7	A.-Cu. E	Cu.-N. NE
26	NE	NE	NE	NE	NE	NE	110.7	151.9	174.6	241.6	678.8	10	----------	Cu.-N. NE	10	----------	N. NE
27	NE	E	SE	SE	S	S	361.7	178	94.4	51.2	685.3	10	----------	N. E	10	----------	N.
28	SE	S	S	E	E	S	93.1	134.6	81.1	41.8?	350.6	7	A.-Cu. S	S.-Cu.	1	----------	Cu.-N.
29	S	S	S	E	NE	N	------	------	71.9	56.5?	------	5	Ci.	----------	2	Ci.	Cu.-N.
30	Calm	N	S	E	E	W	22.2	63.1	65	40.2	190.5	0	----------	----------	0	----------	----------
31	Calm	E	Calm	NE	NE	E	27.7	41.5	81.8	58.1	209.1	0	----------	----------	0	----------	----------
Mean	------	------	------	------	------	------	87.7	95.4	109.9	93.5	390	6.9	----------	----------	5.8	----------	----------

APARRI.

[ϕ=18° 22′ N; λ=121° 38′ E; barometer above sea, 5 meters; gravity correction not applied, —1.57 mm.]

NOVEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.47	60.62	61.80	59.50	60.20	61.16	24.8	23.8	27.9	30	26.7	26	31	23.5	93	97	81	75	85	89	------
2	60.12	60.75	61.04	58.32	58.75	60.36	25	24.1	27.5	30.5	27.6	25.1	32.4	23.8	92	94	81	72	81	83	------
3	59.58	59.77	60.24	57.85	58.53	59.96	24.3	23.8	28.8	30.1	27.5	26	31.6	23.1	86	88	68	64	78	84	------
4	59.79	60.16	60.39	58.26	59.29	60.41	24.7	24.4	29.5	30.6	27.4	25.4	31.7	23.6	89	90	68	65	80	88	------
5	60.03	61.13	62.01	59.93	60.75	61.56	23.4	22.8	28.4	29.6	26	25	31	22.4	90	91	74	66	73	79	1.5
6	61.38	61.41	63.01	60.39	61.04	62	23.1	24	28.5	29.1	26.8	26	30.5	22	90	93	74	74	77	82	1.5
7	61.25	61.56	62.82	60.48	61.06	62.61	26	25.7	27.3	27.5	25.8	26	29	24.5	82	84	86	81	87	85	4.3
8	62.19	62.77	63.62	61.77	61.57	62.66	25.3	25.9	26.1	27	26	24.8	28.9	24.1	89	85	89	77	85	93	11
9	61.41	61.35	62.11	59.74	60.35	61.49	24.5	24.6	27.2	27.5	26.2	24.8	30	23.1	94	93	82	77	84	90	3.1
10	60.73	60.88	61.99	60.11	60.66	61.61	23.3	22.9	25.6	27.6	25.6	25.3	28.5	22.5	94	96	87	74	82	83	15.8
11	61.30	61.73	62.72	60.81	61.50	62.66	23.7	23.2	27.5	29	26.1	25	29.9	22.6	92	93	84	78	86	92	------
12	62.10	62.36	62.89	60.50	60.81	61.79	23.7	23.4	26.5	27.4	26.2	25.2	29.8	22.6	94	95	84	81	85	90	------
13	60.63	60.46	60.91	58.78	59.44	60.74	23.2	22.8	26.8	28.6	26.7	24.8	30.1	22.3	93	95	80	71	85	90	------
14	59.58	59.68	61.01	59.13	60.24	61.52	23.8	23.2	28.2	29.9	26.2	24.3	30.4	22.6	93	97	72	67	82	94	14.8
15	61.11	61.73	62.85	61.41	61.61	62.41	24	23.9	25.9	23.5	24.5	23.8	27.8	22.1	91	87	89	91	82	90	16.2
16	61.33	61.50	62.71	60.63	61.38	62.03	23.7	23.5	25	23.6	22.2	23	26.4	21.7	91	92	93	96	95	91	18.3
17	60.72	60.84	61.61	59.77	60.55	61.71	22.6	22.5	25.5	25.8	23.8	23	27	21.7	93	94	84	85	93	95	14.3
18	60.22	60.45	60.82	58.54	59.06	60.04	22.8	22.7	23.7	27.1	25	24.4	28	22	95	96	94	81	90	93	.5
19	59.15	59.88	60.80	58.52	59.28	60.66	23.6	22.7	27.5	27.5	25.7	24.7	29	22.1	95	96	81	81	89	91	107.9
20	59.81	60.51	62.01	60.05	60.63	61.73	24	23.9	24.5	24.5	23.7	23.4	26	22.5	90	87	83	83	85	86	4.4
21	60.43	60.54	61.81	59.87	60.26	61.33	23.6	23.2	24.9	25	24.5	23.9	27.5	22.4	78	80	76	68	70	81	------
22	59.99	60.11	61.11	59.13	59.83	61.16	23.8	23.7	25.2	25.5	24	23.9	28.6	21.1	80	81	70	69	81	82	4.3
23	60.06	60.96	61.58	59.41	59.95	61.11	21.8	21.5	26	27	24.6	23.5	28	20.5	93	94	80	77	82	85	9.6
24	59.86	60.58	61.57	60.14	60.71	61.68	23.2	23.5	24.5	25.3	23.9	24	26.5	22.1	88	74	68	65	82	81	------
25	60.19	59.89	60.33	58.13	57.88	58.20	23	21.5	24	25.2	24.2	24.2	26.1	21.1	79	90	88	82	93	93	2.6
26	57.93	57.78	58.68	56.88	57.16	59.11	24.5	23.6	28	28	26.2	25	29.7	23.1	92	93	77	77	82	90	------
27	59.14	59.86	61.22	59.06	59.34	60.66	23.5	23.4	25.9	28.2	26.1	24.2	29.9	22.9	92	93	88	75	82	90	------
28	59.98	60.23	61.37	59.05	59.57	60.51	22.9	22	27.1	28.4	25.3	25.1	29.5	21.5	94	95	80	80	93	92	8.9
29	59.66	59.76	60.95	59.26	59.89	60.53	25.2	25.2	27.1	26.5	24.8	24.7	28.1	23.7	88	87	82	81	88	89	38.8
30	59.50	59.78	61.23	59.66	60.02	60.86	24.2	23.4	23	23	21	21.1	24.6	20.5	91	95	96	96	96	95	87
Mean	60.32	60.63	61.57	59.50	60.04	61.14	23.8	23.5	26.5	27.3	25.3	24.5	28.9	22.5	90	90.8	81.3	77	84.4	88.2	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	364.8

Day.	Wind.										Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	Calm	Calm	NE	ENE	E	E	14.7	39.9	103	102.2	259.8	0	----------	----------	1	----------	Cu.-N.
2	E	E	S	NE	NE	N	35.9	78.9	79.2	40.2	234.2	1	----------	S.-Cu.	1	----------	Cu.-N.
3	S	S	S	E	E	E	72.4	78.6	74.3	36.2	261.5	1	Ci.	----------	0	----------	----------
4	S	S	S	NE	NE	NE	62	48.3	72.4	37.2	219.9	0	----------	----------	0	----------	----------
5	Calm	SW	ESE	ENE	ENE	E	36	41.6	101.7	72.7	252	0	----------	----------	0	----------	----------
6	SE	Calm	E	ENE	E	E	51.2	77	133.6	121.5	383.3	7	Ci.	Cu.-N. E	1	Ci.	Cu.-N.
7	E	E	E	ENE	EbyN	E	149.4	170.9	174.6	143	637.9	4	Ci. E	Cu.-N.	10	----------	cu.-N. ENE
8	ENE	E	ENE	ENE	E	E	134.7	147.9	139.2	113.8	535.6	4	----------	Cu.-N. E	1	----------	Cu.-N.
9	Calm	ENE	ENE	NE	ENE	Calm	56.3	85	106.5	58.9	306.7	2	----------	Cu.-N. ENE	1	----------	Cu.-N.
10	S	Calm	NE	NE	ENE	E	27.1	60.2	106.2	100.4	293.9	9	----------	S.-Cu. E	1	----------	Cu.-N.
11	Calm	Calm	ESE	NE	E	Calm	43.1	36.4	109.7	43.1	232.3	2	----------	Cu.-N.	0	----------	----------
12	Calm	Calm	Calm	E	E	E	16.4	40	85.8	54.1	196.3	2	----------	S.-Cu. E	2	----------	Cu.-N.
13	E	Calm	Calm	ENE	E	Calm	25.1	29	57.3	28	139.4	0	----------	----------	7	A.-Cu. E	Cu.-N.
14	S	Calm	ESE	NE	NE	NE	23.8	35.9	84.8	125.3	269.8	0	----------	----------	0	----------	----------
15	NE	ENE	NE	NE	NE	NE	165.2	191.8	123.9	144.8	625.7	10	----------	N. NE	10	----------	Cu.-N. NE
16	ENE	E	E	ENE	SE	E	163.8	130.4	138.1	70.3	502.6	10	----------	N. ENE	10	----------	N. ENE
17	E	W	W	SE	Calm	S	45.6	58.5	42.8	39.6	186.5	10	----------	S.-Cu. E	10	----------	Cu.-N. E
18	Calm	Calm	SW	SE	E	Calm	27.7	51	43.8	84.3	156.8	10	----------	N. E	10	----------	Cu.-N. E
19	Calm	Calm	Calm	NE	NE	NE	21.7	28.8	69.2	91.7	211.4	0	----------	----------	2	Ci. S	Cu.-N.
20	NE	NE	NE	NE	NE	NE	213.4	210.6	190.7	197.9	812.6	10	----------	N. NE	10	----------	S.-Cu. NE
21	NE	NE	NE	NE	NE	NE	196.9	142.6	132.8	81.9	554.2	9	----------	S.-Cu. NE	9	----------	Cu.-N. NE
22	NE	N	NE	E	NE	NE	67.8	84.2	99.5	74.6	326.1	8	----------	Cu.-N. NE	10	----------	Cu.-N. NE
23	E	N	Calm	NE	NE	E	49.9	46.7	115.9	169.1	381.6	10	----------	Cu.-N. NE	0	----------	----------
24	NE	ENE	NE	ENE	ENE	ENE	200.1	187.1	174.1	148.1	709.4	10	----------	S.-Cu. ENE	10	----------	cu.-N. ENE
25	E	SE	ENE	E	NE	E	74.6	78.3	152.9	155.1	460.9	10	----------	S.-Cu. E	10	----------	Cu.-N. E
26	E	SE	SE	E	E	Calm	76.1	69.7	63.1	33.8	242.7	9	----------	S.-Cu. E	10	----------	S.-Cu. E
27	Calm	WSW	ESE	E	E	E	25.4	37.6	78.6	54.7	196.3	9	----------	S.-Cu. E	0	----------	----------
28	Calm	Calm	E	NE	ENE	E	18.7	26	98.2	108.1	251	4	Ci.	S.-Cu.	7	Ci.	Cu.-N.
29	ENE	E	E	ENE	ENE	E	106.5	126.5	179.6	138.2	550.8	6	Ci.	Cu.-N.	10	Ci. S	S.-Cu.
30	E	E	E	E	SE	S	160.1	104.8	95.8	42.8	403.5	10	----------	N. E	10	----------	N. E
Mean	------	------	------	------	------	------	78.7	84.8	107.6	88.7	359.8	5.6	----------	----------	5.1	----------	----------
Total	------	------	------	------	------	------	------	------	------	------	10,794.7	----	----------	----------	----	----------	----------

APARRI.

[ϕ=18° 22′ N; λ=121° 38′ E; barometer above sea, 5 meters; gravity correction not applied, —1.57 mm.]

DECEMBER, 1912.

Day.	Atmospheric pressure, 700 mm.+						Air temperature.								Relative humidity.						Rain, 24 hrs. beginning 6 a. m.
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	Maximum.	Minimum.	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	
	mm.	*mm.*	*mm.*	*mm.*	*mm.*	*mm.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	°*C.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*P. ct.*	*mm.*
1	60.03	60.13	61.33	59.28	59.75	61.70	21	21.1	25.2	28.7	24.8	23.8	29.4	20.5	95	95	85	71	85	88	------
2	61.13	61.23	62.69	59.84	59.94	61.79	22.6	21.7	27.1	28.5	26	23.5	30	21.2	91	94	72	70	85	90	------
3	60.81	60.80	61.70	59.17	59.85	60.80	22.6	22.1	25.5	25.6	24.9	25.1	28.5	21.5	93	95	88	87	84	83	9.9
4	59.75	59.68	60.76	58.39	58.68	59.48	23.8	24.5	25.5	24.9	25	24.7	26.9	22	85	78	80	84	82	83	8.3
5	58	58.20	59.42	57.78	58.23	59.46	24	23.6	24.9	23.7	24.1	24	25.5	22.5	85	86	80	89	82	83	5.9
6	58.95	59.71	61.31	59.78	61.03	62.76	23.8	24.5	27	25	23.8	23.5	27.9	22.6	81	78	72	68	67	69	------
7	62.38	62.56	63.85	61.94	62.11	63.36	23.3	23.2	25.5	26.4	24	22.8	28	20.3	69	67	58	59	66	73	3.5
8	62.56	62.83	64.26	62.06	62.51	63.83	20.7	20	22	25.1	24.6	23.2	26.5	19.4	88	92	88	78	69	80	9.3
9	63.36	63.69	65.49	63.76	64.33	65.25	23.1	23	25.5	26.1	24	23.8	27.2	21.2	80	81	61	61	74	73	22.4
10	65.14	65.39	66.86	64.84	64.96	66.11	22.6	22.5	23.1	24.9	23.6	23.1	25.9	21.2	74	73	73	60	85	87	------
11	64.82	64.47	65.39	63.27	63.88	64.76	23	20	25	25.1	23.7	23.9	27.1	19.5	90	92	76	79	89	88	3.3
12	63.91	64.03	64.74	62.52	63.22	64.70	23.9	22.4	25.1	25.3	23.7	22.8	27	21.4	87	95	88	85	92	93	3.4
13	63.81	63.91	64.72	62.41	62.86	63.76	21	18.5	25	27.5	24.7	23.7	28.5	17.8	85	95	83	70	84	89	------
14	63.06	63.23	63.93	61.31	61.94	62.51	21.9	20.2	25.4	28.6	26	23.2	30	20	90	92	74	63	79	88	------
15	61.61	61.79	62.95	61.24	62.01	62.85	22.9	22	26.4	28	25.6	24.1	29	21.2	89	91	76	76	84	91	------
16	62.12	62.26	63.36	60.95	61.22	62.31	23.8	22.5	24.9	27.1	25	22	28.7	21.6	91	94	84	76	79	89	6.4
17	61.34	61.52	62.75	60.45	61.01	61.86	21.7	21.5	26.2	27	24.7	23.6	28.1	20.7	88	88	69	73	86	91	------
18	61.47	61.42	62.25	59.47	59.46	60.71	23.4	21.6	26.6	28	25	23.1	28.9	20.8	91	93	74	68	77	89	------
19	59.68	60.11	61.14	58.73	60.11	60.96	22.6	23	26	26.7	23.6	24	27.7	20.5	93	88	72	71	93	88	3
20	60.02	60.36	61.75	60.10	60.65	61.51	24.2	24.1	26	25.9	24.7	24.3	28.2	23.1	86	86	77	73	78	79	------
21	60.41	60.63	61.65	59.39	59.71	61.21	24.5	23	26	27.6	25.1	24.3	28.5	22.5	78	86	72	65	73	76	.5
22	61.02	61.38	62.68	60.32	60.95	62.91	21.8	21.4	25.2	26.5	24.6	22.2	27.5	20.6	91	93	79	64	74	89	------
23	62.81	62.98	63.86	61.72	62.68	64.11	21.5	21.4	25.4	27.1	23.2	23.5	28.5	20.4	88	87	69	65	78	74	3.6
24	63.83	63.38	64.74	62.81	63.61	64.84	22.3	22	25	26.4	24.5	23	27.2	21.4	87	89	71	65	73	81	16.6
25	64.51	64.71	65.82	64.44	64.81	65.72	22.2	22.5	22.5	22.2	21.8	22.5	24	20.9	86	83	90	88	91	92	20.4
26	64.81	64.81	65.92	63.52	64.01	64.79	21.8	22.3	22.5	23.5	22.6	22.8	24.5	20.6	93	92	96	88	91	89	134.1
27	63.29	63.11	64.02	61.31	61.71	62.08	22.9	22.2	23	25.3	24	23.2	26.3	21.6	90	96	92	88	90	93	20.6
28	60.99	61.48	62.72	61.56	62.53	64.03	22.8	21.7	25.6	26	23.6	23.2	28.5	21.1	93	94	79	81	90	90	2.3
29	63.26	63.56	65.29	63.56	64.90	65.95	23.1	22.2	22	23.1	22	22	24	21.2	90	93	95	85	89	89	7.8
30	64.78	64.94	65.84	63.60	63.73	64.91	21.5	21.1	23.4	24.4	23.6	23	25.5	20.6	92	94	86	82	85	90	4
31	64.16	64.24	65.46	63.52	64.59?	65.19	23	23	25.9	25.9	24.7	23.6	27.5	22.2	91	91	83	78	81	90	24.9
Mean	62.19	62.34	63.50	61.39	61.97	63.10	22.7	22.1	25	26	24.2	23.4	27.5	21	87.4	88.7	78.8	74.5	81.8	85.4	------
Total	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	310.2

Day.	Wind.											Clouds.					
	Direction.						Total movement in 6 hours.				Total movement in 24 hours.	6 a. m.			2 p. m.		
												Amount.	Form and direction.		Amount.	Form and direction.	
	2 a. m.	6 a. m.	10 a. m.	2 p. m.	6 p. m.	10 p. m.	6 a. m.	Noon.	6 p. m.	Midnight.			Upper.	Lower.		Upper.	Lower.
							Km.	*Km.*	*Km.*	*Km.*	*Km.*	*0–10*			*0–10*		
1	S	S	S	E	SE	Calm	49.1	61.4	75.4	22.7	208.6	10	------	S.-Cu.	7	A.-Cu. E	Cu.-N. S
2	SE	Calm	SSE	E	Calm	Calm	21.1	49.4	51.2	29	150.7	0	------	------	1	Ci.	Cu.-N.
3	Calm	Calm	E	NE	NE	E	24.6	40	53.7	93	211.3	7	Ci. S	S.-Cu.	10	------	S.-Cu. NE
4	E	NE	NE	NNE	NE	NE	86.3	142.6	186.6	175.4	590.9	10	------	Cu.-N. NE	10	------	N. NE
5	NE	NbyE	N	N	NbyW	NbyW	206	215.6	231.7	209.2	862.5	10	------	N. N	10	------	Cu.-N. N
6	N	NE	NE	NE	NE	NE	164.7	116.9	137.9	67.8	487.3	7	------	Cu.-N. NE	8	------	Cu.-N. NE
7	NE	NE	NE	NE	NE	NE	85	92.5	99.6	69	346.1	7	A.-Cu. SW	S.-Cu.	8	------	Cu.-N. NE
8	NE	SW	E	NE	NE	E	59.7	52	99.6	144.8	356.1	4	------	Cu.-N. NE	5	------	Cu.-N. NE
9	NE	ENE	E	E	E	E	168.9	202.4	144.2	166.3	681.8	10	------	N. ENE	1	------	Cu.-N.
10	ENE	ENE	E	ENE	ENE	E	226.9	201.1	165.9	151.5	745.4	10	------	cu.-N. ENE	10	A.-Cu. S	Cu.-N.
11	ENE	W	ENE	E	Calm	E	71.3	48.8	97.1	88	305.2	1	Ci.-S.	S.-Cu.	10	------	S.-Cu. E
12	E	E	E	ENE	E	E	81.1	64.1	141.9	48.1	335.2	2	A.-Cu. SE	S.-Cu.	10	------	S.-Cu. E
13	S	Calm	Calm	E	E	E	25.7	26.9	71.3	51.3	175.2	0	------	------	0	------	------
14	SE	SE	S	SE	Calm	NE	41.2	87.5	60.2	38	226.9	0	------	------	0	------	------
15	NE	S	Calm	NE	NE	NE	58.9	42.1	64.2	100.9	266.1	0	------	------	0	------	------
16	NE	E	E	E	E	E	61.8	44.5	55.7	37.3	199.3	5	------	S.-Cu. E	8	------	Cu.-N. E
17	Calm	SE	SSE	E	SE	SE	46.4	67.3	61.7	47	222.4	0	------	------	10	------	S.-Cu. E
18	SE	SE	SSE	NE	E	Calm	48	73	82.9	54.5	258.4	0	------	------	0	------	------
19	E	NE	NE	NE	N	NNE	34	96.6	88.2	113.7	332.5	10	------	Cu.-N. NE	10	Ci.-S. NE	Cu.-N.
20	NE	NE	NE	NE	NE	NE	73.7	86.3	99.2	75.6	334.8	10	------	S.-Cu. NE	10	------	S.-Cu.N E
21	NE	Calm	NE	NE	NE	NE	77.9	42.1	60	54.9	234.9	2	------	Cu.-N.	0	------	------
22	NE	NE	N	NE	E	E	47	42.8	85	75	249.8	3	------	Cu.-N.	0	------	------
23	SE	SE	SE	E	E	ENE	38.9	41.2	87.1	96.8	264	8	------	S.-Cu. E	1	------	Cu.-N.
24	Calm	SE	ENE	E	ENE	NE	52.1	89.5	176	189.6	507.2	10	------	N. E	7	------	Cu.-N. E
25	NE	ENE	ENE	E	E	E	182.1	157.7	124.9	80.7	545.4	10	------	N. NE	10	------	S.-Cu. E
26	E	E	E	E	E	ENE	46.9	115.4	169.8	167.3	499.4	10	------	N. E	10	------	N. E
27	E	E	SE	E	E	SE	146.4	81.3	63.3	38.6	329.6	10	------	N.	10	------	S.-Cu. E
28	SE	SE	SE	N	N	N	48.6	52.5	88.5	105.2	294.8	0	------	------	3	------	Cu.-N. N
29	N	NE	ENE	ENE	ENE	ENE	66.2	151.1	171.6	165.5	554.4	10	------	N.	10	------	S.-Cu.
30	E	E	E	E	E	E	144.3	110.8	125.7	120.1	500.9	10	------	N. E	10	------	S.-Cu. E
31	NE	NE	NE	NE	E	ENE	115.6	88.5	120.1	123.4	447.6	10	------	N.	8	A.-Cu. S	S.-Cu.
Mean	------	------	------	------	------	------	83.9	89.8	107.7	96.8	378.2	6	------	------	6.4	------	------
Total	------	------	------	------	------	------	------	------	------	------	11,724.7	----	------	------	----	------	------

METEOROLOGICAL OBSERVATIONS MADE AT THIRD CLASS AND RAIN STATIONS DURING THE CALENDAR YEAR 1912.

ZAMBOANGA.

[$\phi = 6°\ 54'$ N; $\lambda = 122°\ 05'$ E; barometer above sea, 7.1 meters; gravity correction not applied, —1.91 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.60	56.84	23.8	27.5	Calm	W 3			1.8
2	58.45	58.16	24	23.4	S 1	W 2	S		58.7
3	58.99	58.08	23	29.5	Calm	ENE 2			
4	59.41	58.44	21.4	27	Calm	W 3			
5	58.54	58.11	23	27.1	Calm	W 3			
6	58.37	57.48	22	28.8	Calm	SE 3			
7	59.03	58.30	23	27.5	Calm	W 2			
8	59.72	58.42	22.6	28.8	Calm	SE 3			
9	59.85	58.98	20.6	27.1	Calm	W 3			
10	60.55	59.60	20.5	27.5	Calm	W 2			
11	61.09	59.98	21.6	27	Calm	W 1			
12	60.66	60.02	20.4	27.5	Calm	SSE 2			
13	60.86	59.95	20.3	27	Calm	SSW 2			
14	61.25	59.32	22.5	27.5	Calm	W 2			
15	60.57	59.69	22.5	28	Calm	W 2			
16	61.09	60.35	23.9	28	Calm	W 2	NE		
17	61.24	60.63	23.5	27	Calm	W 2		NE	13.7
18	60.82	59.97	22	27.6	Calm	W 3			
19	60.67	61.18	23.4	27	Calm	W 1		E	3.6
20	61.80	60.58	22.3	29	Calm	E 2	E	NE	
21	61.30	60.38	23.2	27.4	Calm	WSW 3			
22	61.20	60.22	22.9	28.9	Calm	ESE 3			
23	61.21	60.62	23.8	27.8	NW 1	W 2			
24	61.46	61.05	22.5	28.7	Calm	SE 3			1.3
25	60.95	60.38	23.4	27.8	Calm	W 1	E	NE	
26	60.89	60.63	23.8	27.4	Calm	SSE 2	W	NE	11.2
27	60.75	61.15	23.2	27.2	Calm	SSE 3			
28	61.60	60.50	24.2	30.2	Calm	NE 1			.5
29	61.50	60.38	23.5	27.8	Calm	W 2			
30	60.95	60.26	21.9	28.5	Calm	SE 3			
31	61.01	60.18	21.9	30.4	Calm	E 3			
Mean	60.46	59.67	22.6	27.8	0.1	2.3			
Total									90.8

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	61.42	60.73	21	28	Calm	W 2			
2	61.37	60.43	21.1	27.2	Calm	W 4			
3	61.10	59.89	20.3	27.5	Calm	WSW 2			
4	60.79	59.92	24.1	27.7	Calm	W 3			
5	61.07	60.18	23.4	29.4	Calm	ESE 3		N	
6	61.55	60.64	23.5	26.4	Calm	W 2	NE		
7	61.37	60.11	23.2	29.3	Calm	W 3			
8	61.30		21.8		Calm				
9									
10	60.19	59.03	23.2	28.6	Calm	SSE 2			
11	60.27	59.22	23.3	28.8	Calm	SSW 1			
12	59.28	58.12	23.7	28.3	Calm	SSE 3	N		
13	58.91	57.92	22.1	27.8	Calm	W 3			
14	57.89	57.90	22.1	27.8	Calm	WSW 2			
15	58.07	57.66	24.9	25.2	Calm	S 1	SW	S	0.8
16	58.21	58.33	23	29.5	Calm	SE 2			
17	59.19	58.68	24.2	28	Calm	W 3			
18	59.19	58.58	23.1	28	Calm	WSW 1			
19	59.65	58.29	22.6	28.2	Calm	W 2			
20	58.83	58.22	23.4	30.3	Calm	SE 4	E		
21	59.39	58.79	21	27.7	Calm	W 3			
22	59.59	58.77	23.8	30.6	Calm	E 4			
23	59.04	58.29	22.5	30.5	Calm	SE 3			
24	58.88	57.44	23.1	30.3	Calm	SE 3	E		
25	59.23	58.30	22.1	28.2	Calm	W 2			
26	58.31	57.50	24	29	Calm	W 2			
27	58.50	56.74	24.4	29.4	Calm	SE 4	E		
28	57.97	57.01	25.5	30.2	Calm	SE 3		NE	9.7
29	57.49	56.98	24	29.5	Calm	SE 3	NE	NE	7.9
30									
31									
Mean	59.57	58.65	23	28.6	0	2.6			
Total									[a]18.4

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	57.75	57.54	23.6	28	Calm	W 2	N		1.8
2	58.29	58.48	23.2	28.2	Calm	W 2			
3	59.70	59.09	24.1	28.9	Calm	W 2		NE	
4	59.35	58.40	24.5	28.8	Calm	SE 2		W	
5	58.82	58.13	23.7	27.4	Calm	W 4	E		
6	59.52	58.46	23.7	30.8	Calm	ESE 3	NE		
7	59.45	58.57	23.9	31	Calm	E 3		E	
8	59.75	59.11	24.9	28.7	Calm	W 3			
9	61.01	59.08	23.5	29.1	Calm	SE 2	NE		7.4
10	60.20	59.07	23.2	30.9	Calm	SE 2			
11	59.29	58.63	22.1	27.9	Calm	W 3			
12	58.53	57.23	23	28.4	Calm	W 4			
13	58.10	58.17	24	27.2	Calm	W 2		W	
14	58.73	58.41	23.8	27.3	Calm	W 1			.5
15	58.98	58.65	24.1	28.2	Calm	W 3	W		
16	59.52	58.70	22.3	27.3	Calm	WSW 2			
17	59.70	58.60	20.5	27	N 1	W 3		NE	
18	59.37	59.17	21.4	28.7	Calm	W 2			
19	59.99	59.05	22.5	28.2	Calm	W 2	S	E	
20	59.97	59.44	21	30.3	Calm	SE 3			
21	60.46	59.63	22.6	29	Calm	SE 3			
22	60.77	59.58	24.2	28.6	ENE 2	W 3	NE	NE	
23	60.62	59.48	22.4	28.9	Calm	WSW 2			
24	60.72	59.79	24	27.9	Calm	W 4			
25	61.19	60.02	23.5	29.9	Calm	SE 3			
26	60.91	59.11	23.5	31.1	Calm	ESE 3			
27	60.19	59.40	22.6	29	Calm	W 2			
28	60.01	59.38	23.5	28.5	Calm	SSW 2			
29	59.94	59.31	23.4	29.1	Calm	W 2			
30	59.56	59.13	23.6	31.4	Calm	E 2			
31	59.63	58.67	24.1	28.5	Calm	W 4			
Mean	59.68	58.89	23.2	28.8	0.1	2.6			
Total									2.3

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	59.08	58.44	24.8	29.5	Calm	SE 3			
2	59.74	58.99	24.4	28.6	Calm	W 2	NE		
3	59.94	59.19	24	29	Calm	W 2			
4	59.63	58.22	24.4	28.6	Calm	SE 2			
5	59.64	58.98	23.8	28.7	Calm	W 4			
6	59.62	59.35	23.2	29.1	Calm	W 2			
7	60.75	59.68	23	29.3	Calm	W 2			
8	59.90	59.24	23	29.7	Calm	SE 3			
9	59.59	59.56	23.4	30.5	Calm	SE 3			7.4
10	60.31	60.34	23.2	29	Calm	W 4		NE	
11	60.91	60.16	24.4	30.5	Celm	ESE 2			
12	60.74	60.04	24.8	30	Calm	SE 3			
13	61.81	60.98	25.2	29.4	Calm	S 2			
14	61.46	60.08	23.2	28.9	Calm	W 4			
15	60.55	59.20	24.1	24.6	W 2	NW 1	N		17.2
16	59.77	59.49	23.4	28.6	Calm	SSE 2			
17	60.20	59.16	23.9	30.5	Calm	SE 3	E		
18	60.50	59.45	23.4	29	Calm	W 2			
19	59.74	58.69	24.3	30.9	Calm	SE 3	N		
20	59.30	57.97	24	29.9	Calm	W 2			
21	58.60	57.18	24.7	30	Calm	W 3		NE	
22	57.69	56.71	25	30.9	Calm	SE 3	NE		
23	57.91	57.64	24.6	30	Calm	SE 1		NE	1.3
24	58.20	57.51	25.1	30.8	Calm	E 2		E	
25	58.50	57.31	24.6	29.4	Calm	W 3			
26	58.11	57.76	24.3	27.6	Calm	W 2	NE		
27	58.43	57.97	24.7	30.6	Calm	SE 3			
28	58.83	58.07	24.5	29.5	Calm	W 3			
29	58.46	57.55	24.9	27.2	Calm	WSW 1			1.5
30	58.13	57.10	25.1	29.2	Calm	W 3			
31									
Mean	59.53	58.73	24.2	29.3	0.1	2.5			
Total									27.4

[a] 27 days of observation.

ZAMBOANGA.

[$\phi = 6°\ 54'$ N; $\lambda = 122°\ 05'$ E; barometer above sea, 7.1 meters; gravity correction not applied, —1.91 mm.]

MAY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	57.61	56.94	25.5	28.6	Calm	W 2			
2	57.82	57.69	23.5	29.4	N 1	W 1			
3	58.03	58.99	24.4	29.5	Calm	W 2			
4	59.11	59.09	25.5	28.7	Calm	W 2			0.5
5	59.16	58.66	23.2	27.9	Calm	W 4			
6	59.02	57.70	22.3	28.3	Calm	W 4			
7	58.69	58.49	22.4	29	Calm	W 1			
8	59.30	58.38	22.5	29.4	Calm	W 3			
9	59.06	57.65	22.4	30.6	N 1	W 3			
10	58.61	57.18	23.1	30.5	Calm	ESE 3			
11	59.24	58.68	24.4	28.4	Calm	S 1			
12	58.95	58.31	24.1	29.1	Calm	S 1			
13	58.95	57.89	24.5	29.1	Calm	WSW 2			
14	58.78	58.03	24.3	30.8	Calm	SSE 2			
15	58.86	58.28	25.2	30.5	Calm	SE 2			
16	58.98	58.17	24.8	30.7	Calm	SE 3			
17	58.70	57.71	24.7	29.1	Calm	SE 2			
18	59.02	58.41	24.3	31.1	Calm	SE 3			
19	58.50	57.69	26.3	30.2	Calm	SE 2			
20	57.85	56.87	26.2	29.1	Calm	W 3			53.1
21	58.21	58.07	22.6	28.8	Calm	SSE 1			
22	59.15	57.90	24.9	29.5	Calm	W 2			
23	58.91	58.02	24.8	29.6	Calm	W 1			
24	59.21	57.63	24.6	28.9	Calm	W 2	NE		
25	58.62	57.18	24.6	28.5	Calm	W 2	E		
26	58.18	57.43	24.1	29	Calm	W 3			
27	58.15	57.50	23.7	28.7	Calm	W 3			
28	58.41	58.10	23.6	29.4	Calm	W 1			
29	58.61	58.33	24.5	30.6	Calm	E 1			
30	58.03	58.51	24.6	30.2	Calm	W 2			6.9
31	59.28	58.53	24.5	27.5	Calm	W 2			
Mean	58.68	58	24.2	29.4	0.1	2.1			
Total									60.5

JUNE.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.52	57.28	25.2	30.2	Calm	SSE 2			
2	58.63	57.70	24.8	29.8	Calm	W 2			1.5
3	59.25	58.58	25.1	30	Calm	W 2			
4	58.71	57.32	24.3	28.5	Calm	SE 1			9.9
5	58.58	57.74	25.1	28.4	Calm	SE 1			
6	58.72	57.34	23.6	30	Calm	W 2			
7	58.10	58.05	25	28.4	Calm	W 2			
8	58.64	57.89	23.8	29.5	Calm	W 3			
9	59.21	58.76	24.7	28.6	Calm	W 2		W	
10	60.04	57.93	24.5	28.5	E 1	S 1	E		3.3
11	58.51	58.37	23.7	28.5	Calm	S 2			.5
12	59.61	58.74	24.5	30.1	Calm	ESE 2			
13	59.20	58.64	24.2	29.7	Calm	Calm		S	19.6
14	59.13	58.48	24	29.4	Calm	SE 3	E		
15	58.98	57.58	24.1	30.2	Calm	SE 3			10.9
16	58.37	57.37	23.6	29.9	Calm	SE 2			1
17	57.87	57.51	24.4	28.8	Calm	N 1			
18	58.18	57.56	24.2	30	Calm	SE 3			
19	58.30	58.05	23.7	27.5	Calm	W 3		W	
20	59.08	57.72	23.8	28.4	Calm	S 3		SW	
21	58.31	57.80	23.5	29.5	Calm	W 1			
22	58.55	58.03	23.9	28.4	Calm	SE 2			
23	58.12	57.28	24.2	29.4	Calm	SE 2			
24	58.20		24.9		Calm				
25	58.22	57.69	26.1	26.4	W 2	W 2			11.4
26	58.73	58.30	22.8	27.2	Calm	SW 2			.3
27	58.93	58.24	24	28.2	Calm	W 1			
28	59.14	57.23	24.4	30	Calm	W 1			
29	58.64	58.05	24.5	26.5	Calm	E 1		E	
30	58.67	58.03	24.4	28.8	Calm	W 2			
31									
Mean	58.70	57.91	24.3	28.9	0.1	1.9			
Total									58.4

JULY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.60	57.26	24.6	27.1	Calm	Calm			1
2	58.07	58.08	24.5	24.9	Calm	ESE 2			1.3
3	58.76	58.23	23.5	28.1	Calm	E 1			16.8
4	59.35	58.43	23.3	29.2	Calm	W 2			
5	59.56	58.19	24.3	27.1	Calm	W 5			
6	58.52	57.63	24.4	27.2	Calm	Calm			1.3
7	57.97	57.55	24.4	24.6	Calm	W 1			31.7
8	57.72	57.40	23.5	25.6	Calm	SW 2		SW	2.3
9	57.32	57.02	23.6	27.1	N 1	Calm		S	6.9
10	58.01	57.29	23.7	28.9	Calm	SE 2			22.4
11	58.41	57.69	24.2	27.8	Calm	W 2			
12	58.83	57.73	23.5	27.6	Calm	W 1		NE	
13	58.31	57	24.1	28.9	Calm	W 1			
14	58.06	56.63	24.3	29.6	Calm	W 2			
15	57.96	57.16	23.5	30	Calm	SSE 3			
16	58.39	57.25	23.1	28.8	Calm	W 4			
17	58.20	57.23	24.4	28.9	Calm	W 3			14
18	57.75	57.54	24.8	28.2	Calm	W 5			2.5
19	57.51	56.63	23.4	28.5	Calm	W 4		W	7.4
20	58.49	57.88	23.9	28.9	Calm	ESE 1			
21	58.35	57.60	24.1	29.9	Calm	W 2			
22	58.22	57.34	24.6	29.4	Calm	ESE 2			
23	57.87	56.98	24.4	29.4	Calm	SE 2			
24	57.94	57.37	25.4	29.6	Colm	W 1			2.8
25	58.16	57.52	23.7	28	Calm	SE 1			.8
26	58.08	57.45	24.4	27.5	Calm	W 2		N	4.1
27	56.75	56.85	25.5	23.4	W 2	W 6	W	W	10.6
28	56.87	56.62	26.4	29.1	W 2	W 3	W		1.3
29	58.04	57.76	23.5	27.9	Calm	ESE 2			
30	58.75	58.66	24.1	23.8	Calm	W 6		W	4.6
31	58.34	57.89	22.4	27.8	Calm	SE 2			9.7
Mean	58.17	57.48	24.1	27.8	0.2	2.3			
Total									4.5

AUGUST.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	57.93	57.86	23	28.5	Calm	W 1			
2	58.01	58.18	23.8	29	Calm	W 3			
3	59.49	58.67	24.1	27.5	Calm	Calm		W	10.9
4	58.88	58.26	23.7	28.3	Calm	ESE 2			1.3
5	58.62	57.49	25.4	27.8	W 1	SSE 1			
6	58.92	58.75	22.6	28.7	Calm	SSE 1			
7	59.69	58.84	24.2	26.8	N 1	N 1	E	E	
8	59.19	58.45	23.4	28.8	Calm	S 1	N	W	
9	59.07	57.93	23.2	28.8	Calm	W 2		W	
10	58.82	58.30	23.4	29	N 1	S 1			
11	58.80	57.94	26.5	28.3	W 2	W 1	W	W	
12	58.70	57.91	27	27.6	W 2	W 2	W	W	
13	58.35	57.47	24.6	28.8	W 2	W 3			
14	58.72	57.63	23.2	28.6	Calm	Calm			
15	58.82	57.97	24.4	29.6	Calm	SE 2			
16	58.86	57.64	24.6	27.9	Calm	SSE 2			1
17	58.35	57.10	24	28.6	Calm	SE 2			
18	58.05	57.28	24.3	29.3	Calm	SE 2			
19	57.87	57.38	23.4	29.8	N 1	W 3			
20	58.89	57.33	23.2	28.8	N 1	W 3			
21	58.82	59.08	23.4	24	W 1	W 5		W	11.7
22	59.06	58.61	22.8	27.7	Calm	W 2			14.7
23	58.94	57.25	23	28.2	Calm	SSE 2			
24	57.97	58.12	23.4	28.1	Calm	WSW 1			
25	58.52	57.59	23.8	28.6	Calm	W 2			
26	58.47	56.85	23.5	29.5	Calm	W 2			
27	57.67	56.02	25.4	29.5	Calm	W 3		SW	
28	57.17	56.42	25.5	28.5	Caim	W 3			
29	58.36	57.38	26.8	28.2	W 2	W 2			
30	58.62	57.58	25.1	29.6	Calm	W 2			
31	58.82	56	24.6	29.3	Calm	W 2			
Mean	58.60	57.72	24.2	28.4	0.5	1.9			
Total									39.6

ZAMBOANGA.

[$\phi = 6°\ 54'$ N; $\lambda = 122°\ 05'$ E; barometer above sea, 7.1 meters; gravity correction not applied, —1.91 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	57.30	56.12	25.1	29.6	Calm	W 2			
2	57.52	56.50	25.5	28.8	Calm	W 3			
3	58.17	57.16	24.4	29.4	Calm	W 3			
4	58.70	57.18	23.9	31.2	Calm	SE 2			
5	57.45	56.87	23.8	28.8	Calm	W 1			
6	57.87	57.11	23.9	25.6	N 1	N 1		N	6.1
7	58.37	57.19	23	27.2	W 4	W 3	W		
8	58.23	58.15	22.9	29.4	Calm	W 3			
9	59.22	58.65	23	29.4	Calm	W 3			.8
10	59.20	58.17	25.6	28.6	Calm	W 3	W		
11	58.91	57.57	23.8	29.4	Calm	W 3	SW		
12	58.28	57.79	24.4	28.8	Calm	W 3		W	16.5
13	58.47	57.69	26.6	28.6	W 2	W 3			
14	57.22	56.09	26.6	29.1	W 2	W 3			6.4
15	56.51	54.10	24	29	W 2	W 3	W	SW	14.2
16	56.95		27.2		W 1				
17									
18		56.78		29.4		SSE 2			
19		56.34		28.3		W 1			23.4
20	57.70	56.64	25.4	27.8	SW 1	W 1	SW		
21	58.70	57.30	24.4	29	Calm	SE 2			
22	59.70	58.33	24	29.9	Calm	SE 2			
23	59.77	58.62	23.1	29	N 1	W 3			
24	59.29	57.40	23.8	29	Calm	W 3			
25	58.41	57.20	24.9	26.3	Calm	W 2	W	W	
26	58.81	56.84	24.4	29.2	Calm	W 4			7.6
27	58	56.99	24.1	28.2	Calm	W 3			4.8
28	58.41	58.15	24	28	Calm	SSE 2			
29	59.02	57.27	23.7	29.5	Calm	SE 2			
30	58.87	57.14	23.6	30.1	Calm	E 1			
31									
Mean	58.34	57.19	24.4	28.8	0.5	2.4			
Total									[a]79.8

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	59.45	57.83	24.6	29.1	Calm	S 1			
2	59.56	58.89	24.5	29.8	N 1	S 1			
3	60.23	59.11	24.5	29	Calm	Calm	SW	NW	
4	59.35	58.27	23.8	28.8	Calm	W 2			
5	59.17	57.74	23.8	28.1	Calm	W 3			
6	58.70	58.29	25.2	28.6	W 4	W 3	W		41.9
7	60.39	60.03	25.7	26.7	W 2	W 1	S		2.8
8	60.60	58.90	23.1	29.2	Calm	W 2			
9	59.24	58.39	24.1	29	Calm	W 3			1
10	58.96	57.84	23.4	28.2	Calm	W 3			
11	58.58	57.08	25	29.3	Calm	W 3	S		7.9
12	58.32	57.26	23.8	29.2	Calm	SSW 1			
13	57.60	56.72	24.6	29.5	Calm	W 4			34
14	57.12	56.32	23.6	24.5	W 5	W 6	W	SW	29.9
15	55.55	54.76	21.8	23.7	W 6	W 3	W	NW	64.2
16	56.17	56.78	24.4	27.2	W 8	W 6	W	W	16
17	58.68		25.5		Calm		S		
18									
19									
20									
21									
22		57.60		28.9		SE 1			
23	58.72	57	23.4	29	Calm	W 2			
24	58.83	57.43	24	29.2	Calm	W 3			
25	58.58	57.68	25.7	28.5	W 2	W 2	W		
26	58.38	57.65	23.6	29	Calm	S 1			
27	59.22	58.18	23.2	29.5	Calm	ESE 1			
28	59.25	58.53	23.4	29.7	Calm	W 2			
29	58.26	57.47	22.9	28.2	Calm	SW 2			
30	58.93	58.16	23.4	29.6	Calm	SE 2			
31	59.95	58.73	23.4	28.6	Calm	W 3		N	
Mean	58.76	57.79	24	28.5	1.1	2.3			
Total									[b]197.7

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	59.79	58.22	23.5	28.5	Calm	W 2			19
2	59.34	58.10	23.6	28.2	Calm	S 1	W		
3	59.49	58.05	23.6	29.2	Calm	W 2			
4	58.57	57.55	23.4	29.4	Calm	W 3			3.6
5	58.57	57.22	22.9	29.5	Calm	W 2		NW	
6	56.82	55.66	24	26.5	Calm	W 3			
7	57.83	57.79	22.9	27.5	Calm	SE 2		S	
8	58.89	58.02	23	26.5	N 1	N 1			
9	57.86	56.42	23.3	29.4	Calm	SE 2			
10	57.42	56.60	23.2	29.8	ENE 1	SE 3	S		
11	58.36	58.21	23.5	27.8	Calm	W 3			
12	58.84	57.64	23.4	29.8	Calm	W 1			
13	57.76	56.99	23.9	29.2	Calm	SE 2			
14	57.78	57.50	23.3	28.8	N 1	SSE 2			
15	58.88	57.21	23.6	29.5	Calm	SE 2			
16	58.32	57.21	23.8	32	Calm	E 1			
17	58.12	56.30	23.5	30	Calm	ESE 1			
18	57.63	56.58	23.5	29	NNW 1	S 1			.8
19	58.17	56.44	23.6	28.9	NNW 1	W 3			
20	57.77	56.50	23.4	29	Calm	W 3			
21	57.58	56.30	23.4	28.9	N 1	W 3			
22	57.37	56.23	22.8	28.5	N 1	W 3			
23	57.04	55.89	23.5	29.3	N 1	W 2			
24	56.35	55.12	23.3	29.8	Calm	Calm			
25	54.72	55.13	26.8	29.1	W 2	W 3		W	.8
26	57.58	55.97	23.6	31.2	Calm	SE 2			
27	57.50	56.74	24.6	26.9	Calm	Calm			8.9
28	54.71	53.54	25	24.2	W 6	WSW 7	W	SW	9.9
29	56.62	56.23	27.1	28.8	SSW 2	WSW 3	SW		
30	58.65	58.18	24.1	28.6	Calm	Calm			
31									
Mean	57.81	56.78	23.8	28.8	0.6	2.1			
Total									43

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	60.54	59.65	23.8	26.9	Calm	W 2			3.8
2	60.19	58.29	22.8	29.2	Calm	Calm			1.8
3	59.18	57.23	22	29	Calm	W 1			
4	58.64	57.08	22.8	28.4	Calm	W 3			.3
5	58.59	57.65	23.4	28	Calm	W 3			9.1
6	59.14	58.34	22.5	28.5	Calm	N 1			
7	59.64	58.52	22.6	26.9	Calm	Calm			4.3
8	58.87	57.94	22.5	29.5	Calm	W 2			
9	58.90	57.98	21.9	28.6	Calm	SSE 1		S	.3
10	58.47	57.70	23.4	29.4	Calm	SE 2			
11	58.58	57.48	23.5	30.4	Calm	E 2	NE		15.7
12	58.71	58.13	23	28.9	Calm	W 1			
13	58.96	58.29	23.7	30.3	Calm	SE 1			
14	59.59	58.43	24	28.5	Calm	WSW 1			.3
15	58.98	57.90	23.5	30	Calm	W 2			2
16	58.61	57.26	23.4	31.2	Calm	NE 2			42.7
17	58.95	57.69	23.5	28.1	Calm	WSW 1		N	
18	58.52	57.42	23	29.5	Calm	SE 1		N	
19	58.32	57.38	22.9	28.6	Calm	SSE 1			
20	58.60	57.52	20.8	29.4	N 1	E 1			
21	58.52	57.10	22	29.3	Calm	ESE 1			
22	58.13	57.59	24	30.2	Calm	SE 2			
23	59.14	58.38	23.7	28.2	NE 1	W 2	N		2.8
24	58.27	57.62	23.2	30.3	Calm	E 2			
25	58.71	57.94	23.3	29.6	Calm	ESE 2			
26	58.83	58.08	23.6	28	Calm	W 1		E	3.6
27	58.98	58.07	23	29	Calm	SE 3			
28	59.62	58.20	23.3	30.1	Calm	SE 3		NE	
29	59.56	58.39	23.5	29.8	Calm	W 1			
30	59.21	58.01	23.6	30.1	Calm	W 1			
31	58.95	57.29	24.3	28.4	Calm	SSE 2			
Mean	58.96	57.89	23.1	29.1	0.1	1.5			
Total									86.7

[a] 28 days of observation.

[b] 26 days of observation.

DAVAO.

[$\phi = 7°\ 01'$ N; $\lambda = 125°\ 35'$ E; barometer above sea, 4 meters; gravity correction not applied, —1.91 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.73	56.39	22.6	30	Calm	NE 1			30.2
2	59.13	57.39	22.5	29.6	Calm	ENE 1	NE	NE	
3	60.17	58.33	21.5	30	NE 1	Calm			
4	60.31	58.23	22.5	30.1	Variable 2	Variable 2	N		
5	59.84	57.58	21	30.1	Calm	Calm	ENE	N	
6	59.17	57.15	23	30.3	NE 1	Variable 2	NE	NE	
7	59.49	57.51	20	30	Calm	NE 2	NE		
8	60.11	57.49	19.5	28.6	NE 1	Calm		NE	
9	59.89	58.11	20.5	30	Calm	Calm			
10	61.25	58.98	18	30.1	NE 2	Variable 2			
11	61.99	59.74	18.6	29.9	NE 1	ENE 2		N	
12	62.24	59.48	18.7	29.5	Calm	Calm		N	
13	60.90	59.49	18.5	27	NE 1	Variable 2		ENE	21.6
14	60.79	59.29	21.8	26	N 1	Calm		N	31.7
15	60.82	59.07	22.2	29	Calm	NE 1	NE	N	24.4
16	61.72	59.88	22	28.5	NE 1	ENE 1		NE	
17	61.82	59.69	22.5	29.8	Calm	Calm		NE	
18	61.57	59.13	21	30.3	NE 1	ENE 1		ENE	
19	61.64	59.47	21	28.4	Calm	NE 1	NE	NE	
20	62.19	60.11	22	26.5	Calm	Variable 2	ENE		
21	61.49	59.83	22	26.3	Calm	NE 1		NE	2.5
22	61.62	59.62	21	29.2	NE 1	NE 1			
23	61.64	59.39	20.5	29	Calm	NE 1		NE	21.1
24	62.03	60.64	22.5	28	ENE 1	NE 2		ENE	16
25	62.08	59.68	20	30.1	ENE 2	Variable 2		NE	7.9
26	61.76	59.31	21	30	Calm	Calm	NE	NE	
27	62.64	59.38	20.6	30.3	Variable 2	Variable 2		NE	
28	62.47	59.28	22	30	Calm	NE 1	ENE	NE	
29	62.16	59.36	22.5	30	Calm	Variable 2	NE	NE	
30	61.67	59.67	22.5	30.7	Calm	Variable 2	NE	NE	
31	61.57	59.20	21.5	31.5	NE 1	NE 1	NE	NE	
Mean	61.13	58.96	21.1	29.3	0.6	1.1			
Total									155.4

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	61.71	58.95	22.5	31.5	Variable 2	Variable 2	NE	NE	
2	61.44	59.11	20.5	30.7	Calm	NE 1		NE	
3	61.29	58.61	23.1	31.5	Calm	Variable 2	NE		
4	61.16	59.20	22	31.7	Variable 2	Variable 2		NE	
5	62.77	59.44	21.5	32	Calm	Calm		NNE	26.8
6	62.14	59.74	23	29.5	NE 1	Variable 2			
7	62.21	60.08	22.5	30.8	ENE 1	Variable 3	NE	NNE	
8	61.48	59.71	22.7	30.3	Calm	Variable 2		NNE	
9	61.31	58.33	22.5	30.4	NNE 1	Calm	NNE		
10	60.53	58.31	21.6	30.2	NE 1	Variable 2	NE	NNE	
11	60.39	57.35	20.5	30.5	Calm	NE 1	N	NE	
12	59.84	56.73	20	30.2	Calm	Variable 2	NE	NNE	
13	58.92	56.45	22.5	31.2	NNE 1	Calm			
14	58.26	56.17	23.3	31	NE 1	Variable 2		NE	22.1
15	58.50	57.68	23.5	30.4	Calm	NE 1	NE		
16	59.58	57.55	22.5	30	Calm	Variable 1	NE	NNE	
17	59.56	57.57	23	30.5	NNE 1	Calm	NNE	NNE	
18	59.36	57.24	22	32.7	NE 1	ENE 2		NE	
19	58.73	57.31	23.5	30	Calm	Calm			
20	59.86	57.99	22.4	31.4	NE 1	ENE 2		NE	
21	59.99	58.18	22.6	30.9	NE 1	NNE 2		NE	
22	60.51	58.54	22	31.6	Calm	ENE 2		NE	
23	59.73	57.89	23.3	33.5	Calm	Variable 2		NNE	
24	59.46	56.84	19.3	32.6	Calm	NNE 1			
25	58.58	57.62	23.5	26	NNE 2	Calm	NE		
26	58.86	56.93	22	32	NE 1	ENE 2		NE	
27	59.18	57.05	23.5	30.9	Calm	Calm		NE	
28	58.53	56.53	22.5	30.5	NE 1	Variable 2	NE		
29	58.42	56.42	22.5	30	Calm	Variable 2		NE	17
Mean	60.08	57.91	22.3	30.8	0.6	1.4			
Total									65.9

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.61	56.97	19.8	30	Calm	ENE 1		NE	
2	59.48	58.58	21.5	27.4	NE 2	ENE 1	ENE	NE	
3	60.32	58.42	22	28.5	Calm	Variable 2	NE		
4	60.29	57.54	21.9	31.9	Calm	Variable 2		NE	
5	59.22	57.62	21.5	31	ENE 1	NE 1		NNE	
6	59.72	58.49	22.3	27.6	Calm	Variable 2		NE	
7	60.48	59.13	23.5	30	Calm	NE 1		NE	
8	60.86	58.70	24.5	32.4	ENE 1	Calm	NE	NNE	14.5
9	62.23	58.87	19.5	30.8	Calm	NNE 2	NE		
10	61.18	59.08	21.5	30.6	ENE 1	variable 2	NE		21.6
11	59.73	57.33	21.5	30.8	Calm	Calm		NE	
12	59.53	56.78	22.6	30.6	NE 1	Variable 2		NNE	
13	59.60	56.91	24	29.9	ENE 1	Variable 2		ENE	
14	59.71	58.12	22.5	31.6	Calm	NE 1		NE	
15	60.43	58.17	19.1	30.8	Calm	NE 1		ENE	
16	60.28	58.18	19.3	30.2	Calm	NE 1	NE	ENE	
17	60.20	57.65	21.6	32	ENE 2	Calm			
18	60.23	58.79	22.8	28	NNE 1	Calm		NE	
19	60.66	58.67	22.5	32	NE 1	NNE 2		NE	
20	61.19	59.29	20	30.5	Calm	Calm	NE		
21	61.24	59.24	21	30.3	NE 1	ENE 2	NNE	NNE	
22	61.51	59.12	23.5	30.5	NNE 1	Calm		NNE	
23	61.25	59.12	20.5	30.5	Calm	NE 2		NNE	
24	61.13	59.26	21	30.6	NE 2	ENE 1	NE		
25	61.59	59.67	22.5	31.5	Calm	NE 1			
26	61.21	58.55	22.6	32.5	NE 1	Calm			
27	60.94	58.96	22.5	32.6	Calm	ENE 1			
28	61.03	59.35	23.4	32.4	NE 2	Variable 2		NE	
29	60.76	59.44	22.5	29.5	Calm	Calm		NE	2.5
30	60.41	58.60	22.5	32	ENE 1	Calm		NNE	
31	60.09	58.50	22	31	Calm	Variable 3			
Mean	60.52	58.49	21.9	30.6	0.6	1.1			
Total									38.6

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.85	58	21.5	32.4	Calm	Variable 2		ENE	
2	60.81	58.39	22	32.2	NE 1	NNE 1		NE	
3	60.26	58.18	22	33.4	Calm	Variable 2		NE	
4	59.81	57.88	23.5	32.7	Calm	Calm			
5	59.86	58.05	22	32.6	ENE 2	Variable 2		NE	
6	59.66	58.05	24	31.5	ENE 1	NNE 1			31.7
7	59.10	57.24	23.9	30	NE 1	Calm	NE		
8	58.56	57.25	24.5	30.3	Calm	Calm			
9	60.67	59.67	23	31.3	NE 1	ENE 2			
10	61.28	59.38	23.5	30.7	ESE 2	SE 1			21.8
11	61.93	59.77	24	30.7	Calm	Calm	NE		23.4
12	62.56	59.42	22	31.2	NE 1	ENE 1			
13	62.88	60.55	20.5	31.9	Calm	Variable 2		ENE	26.7
14	61.96	59.74	22.3	29.5	N 1	Variable 2			
15	60.76	58.02	22.3	31.2	NE 1	Calm			
16	60.56	59.10	23	32.4	Calm	Calm			
17	60.32	58.53	23.7	33	NE 1	Calm			
18	60.11	58.05	22	32	NE 1	SW 2			
19	58.96	57.30	24	34.5	ENE 1	Calm			
20	58.31	57.28	24.5	32.4	Calm	Variable 2		NE	58.4
21	58.91	58.03	24.5	30.5	Calm	Variable 1		NE	30.5
22	58.47	57.36	24	30	Calm	Calm			35.6
23	58.69	57.32	22.5	31.6	E 1	NW 1			
24	58.46	57.22	24	30	Calm	NW 2			24.4
25	58.52	56.97	24	30.5	Calm	Calm			
26	58.98	57.41	23.5	31.5	SE 1	NW 1			
27	59.06	56.88	25	32	Calm	SE 1			16
28	59.49	57.61	25	28	ENE 1	Calm		ENE	
29	58.24	56.43	22.5	32	Calm	ENE 1			
30	57.96	56.10	23	32.9	Calm	Variable 2			
31									
Mean	59.83	58.04	23.2	31.5	0.6	1			
Total									268.5

The barometric readings of this station do not seem to be very reliable.

DAVAO.

[ϕ=7° 01′ N; λ=125° 35′ E; barometer above sea, 4 meters; gravity correction not applied, —1.91 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.25	57.05	24	31.6	SE 1	SE 2			
2	60.06	58.28	25	31	Calm	ESE 1		SE	
3	60.24	58.39	23	32	Calm	Calm			
4	59.75	57.55	23.8	32.2	SE 1	ESE 2		SE	
5	58.88	57.35	24	31	Calm	Calm			
6	59.05	57.41	23.5	30.5	Calm	NW 1			38.9
7	59.93	57.84	23.4	30.5	Calm	Calm			8.9
8	59.36	57.92	24	29.8	Calm	Calm	SW	W	22.6
9	59.28	57.29	24.3	29.2	Calm	ENE 1	NE		5.3
10	59.51	57.72	23	31	Calm	NNW 1	NE	W	7.9
11	60.03	58.02	23.5	30	Calm	NW 2		NW	
12	59.85	58.74	25	31.3	Calm	W 1		W	
13	58.90	57.37	25.3	30.8	Calm	Calm	NW	W	4.8
14	59.13	57.30	24	30.3	Calm	Calm		NW	
15	59.40	58.03	25	30.5	Calm	Calm		NW	
16	59.33	57.87	24.5	31	Calm	Calm	SW	SE	
17	59.63	56.38	24	31.5	Calm	W 1			
18	58.62	57.50	24.3	32.1	Calm	NE 1		NW	
19	58.30	56.53	25	33.4	Calm	Calm		NW	
20	57.84	57.11	23.8	27	Calm	NE 2		SE	
21	58.36	57.32	24	30.5	Calm	Calm	ENE	E	
22	58.96	56.24	23	33.5	Calm	Calm			
23	59.24	56.55	25.5	31	Calm	Calm	NW	NW	50.8
24	58.16	57.22	23.3	29.8	Calm	W 2		W	
25	58.20	57.02	23.4	30.5	Calm	NW 1			2
26	57.98	56.92	24.5	29	Calm	Calm			
27	58.08	56.08	24.5	32	Calm	Calm			15.7
28	59.56	57.20	24.5	31.9	Calm	NW 1		NE	
29	59.56	57.87	25	31.5	Calm	Calm			
30	59.56	57.89	25	31	Calm	Calm	NW		
31	58.52	56.80	24	31.9	Calm	Calm			
Mean	59.08	57.38	24.2	30.9	0.1	0.6			
Total									156.9

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.77	57.37	23.5	32.3	Calm	Calm	E	ENE	
2	59.37	58.35	24	30.5	Calm	Calm		E	
3	59.18	57.59	23.4	32	Calm	NW 2	E	NE	
4	58.40	56.68	24	31	Calm	NW 2		ENE	10.4
5	58.23	56.80	24.5	30.8	Calm	SW 2	NE	E	2.8
6	59.56	57.87	24.2	31.5	Calm	SW 1		SE	
7	58.41	57.57	23.5	30.5	Calm	Calm	NW	NW	
8	59.55	57.05	25	31.3	Calm	NNW 2	NW	NNW	
9	58.96	57.29	23.5	31.7	Calm	Calm		NW	28.2
10	59.37	56.61	24	30.5	Calm	Calm	NW		
11	58.52	58.52	24	28.6	Calm	Calm	NW	NW	10.9
12	59.48	58.09	23.3	30	Calm	SE 2		NE	
13	59.49	57.92	23.3	30.5	Calm	SW 2		SW	
14	58.94	57.72	23	31.5	Calm	SW 2		NNW	
15	59.26	57.82	24	30.5	Calm	Calm	NW	NNW	
16	58.15	56.92	24.8	30	Calm	SW 2	NW	S	
17	57.65	57.24	23.5	29	Calm	SW 1	NW	SW	
18	58.83	57.15	23.5	31.5	Calm	SW 2		NW	
19	58.90	56.25	23.5	31.7	Calm	SSW 2	NW	SW	
20	59.56	56.57	24.5	30.5	Calm	SSW 2		SE	
21	58.55	56.75	23.5	31.5	Calm	NW 2	WNW	NNW	10.7
22	59.08	57	23.6	30.2	Calm	WNW 1	SW	S	
23	58.77	57.04	23.5	30.6	Calm	Calm			
24	57.70	55.85	23.5	31.2	Calm	W 1		W	27.2
25	58.37	57.04	23	29.4	Calm	SW 2	NE	SW	
26	59.02	57.69	24	29.3	Calm	Calm	SE	SE	6.6
27	58.79	57.27	23	30.9	Calm	SW 1	SE	SW	1.3
28	58.26	56.93	24	30	Calm	Calm	SW		
29	58.27	57.51	22.5	28.5	Calm	Calm	SW	SW	
30	58.46	57.09	22.5	30.9	Calm	Calm			
31									
Mean	58.83	57.25	23.7	30.6	0	1			
Total									98.1

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.17	56.94	24	29.5	Calm	Calm	SE	SW	8.9
2	59.22	56.79	24	28.3	Calm	Calm	SW		
3	59.68	58.84	23.5	26.5	Calm	SE 2	SE	SE	5.6
4	59.96	58.24	22.5	30	Calm	Calm	SE	SE	
5	59.55	56.52	23.9	29.7	SE 1	SE 1		NW	
6	58.52	57.21	24	28	Calm	Calm	SE		18.3
7	58.03	56.16	23	29	Calm	NW 1	SE	NE	10.2
8	57.77	55.97	22.7	27.5	Calm	Calm		SW	5.1
9	57.54	58.26?	23	25	Calm	NW 1		NW	
10	58.31	56.86	22.6	30.5	Calm	SW 1		SW	
11	58.27	56.52	22.3	31	Calm	Calm			
12	57.77	55.81	22.5	30.7	Calm	Calm			
13	57.17	55.80	24	31.4	Calm	Calm			
14	56.96	56.41	25.5	30.9	Calm	NW 2		SE	7.4
15	58.31	56.57	24	30.5	Calm	Calm	SE		
16	57.86	56.44	23	31	Calm	W 1		SE	5.1
17	57.55	55.65	23.5	30.9	SE 1	Calm			5.8
18	57.50	55.76	23.3	30.5	Calm	NNW 1			
19	56.71	55.17	23	30.8	Calm	Calm	NW	SW	
20	58.46	56	23.5	28.7	Calm	Calm	NW		
21	58.19	56.77	23.5	30.5	Calm	Calm	E	SE	
22	58.31	56.59	24	29.9	Calm	W 1	SW	W	
23	57.52	56.16	24.5	31	Calm	NW 2		NE	
24	57.54	56.22	24	30	NW 1	Calm		NW	49.5
25	58.44	57.09	23	29	Calm	Calm	SE	W	13.5
26	57.80	56.16	24.3	27.5	Calm	Calm	W	NW	14.2
27	56.07	55.11	23	28.5	Calm	NW 1	NW	NW	
28	56.17	55.99	22.5	29.5	Calm	W 1	NW	NW	
29	58.07	57.17	22.5	30.5	SE 1	Calm		W	27.7
30	59.07	58.07	23	29.3	Calm	SW 1	S	SW	
31	57.93	57.54	23.8	29.4	NW 1	NNW 1		NW	
Mean	58.05	56.61	23.4	29.5	0.2	0.5			
Total									171.3

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.59	57.01	23.3	27.8	Calm	Calm			
2	57.53	57.82	23	29.8	Calm	Calm			39.6
3	59.93	58.09	23.3	28.8	Calm	NW 1	NW	NW	
4	59.03	57.51	23.5	28.4	Calm	NW 1			
5	57.84	56.49	22.3	29.5	Calm	Calm		NW	50.8
6	59.04	57.82	23	28.6	NW 1	Calm	NW	NW	
7	59.72	57.84	24	29.7	Calm	NW 2	NW	NW	24.1
8	58.98	56.74	23	28.8	Calm	W 1			
9	58.05	56.47	23.5	30	NW 1	Calm	NW	W	
10	58.09	57.19	23	29.5	Calm	E 2	W	NW	
11	57.85	56.57	23.3	31.2	Calm	Calm			
12	58.04	56.10	23	31	Calm	SE 1		W	
13	57.93	56.84	22.5	29	Calm	Calm			13.2
14	58.53	56.82	23.5	27.4	Calm	NW 2		NW	
15	58.34	57.34	23.5	30	Calm	SW 1	NE	NW	
16	58.85	57.54	24.8	29.4	Calm	W 2	SW	E	19.3
17	57.85	56.22	23.3	28.5	Calm	Calm	SE	SE	
18	58.69	56.37	23	30	Calm	SW 1	SE	SW	
19	57.20	55.52	23.4	30	Calm	Calm		NW	24.1
20	58.15	56.59	23.5	29	Calm	SW 1	N	SW	6.9
21	59.22	57.90	24	28.7	Calm	N 1	SW	W	
22	59.61	57.04	24	29.9	Calm	NW 1	SW	NW	5.8
23	58.23	55.69	24	28.9	Calm	Calm	SW	SW	
24	58.05	56.13	23.3	30	Calm	Calm	NW	SW	
25	58.56	56.27	23	30.3	Calm	SW 1		NW	
26	57.71	55.63	23	30.8	NW 1	SW 1		SW	
27	56.71	54.80	22.5	30.9	Calm	WSW 2	SW	SW	
28	56.66	55.71	23	30.5	Calm	SW 2			
29	57.51	56.22	23	29.8	Calm	Calm		SW	5.1
30	57.60	56.09	23.5	30.8	Calm	SW 1	SW	NW	
31	56.54	54.65	23.5	30.4	Calm	Calm	NW	NW	
Mean	58.18	56.61	23.3	29.6	0.1	0.8			
Total									188.9

DAVAO.

[$\phi = 7°$ 01′ N; $\lambda = 125°$ 35′ E; barometer above sea, 4 meters; gravity correction not applied, −1.91 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	55.73	54.45	23	31.2	Calm	SW 1	SE	NW	-------
2	56.99	55.62	23	30.5	SW 1	WNW 1	SW	SE	6.4
3	57.60	56	23.5	31	Calm	NNW 1	NE	NW	6.6
4	58.57	56.52	22.5	29.8	Calm	WNW 1	SW	NW	-------
5	57.49	55.99	24	29.3	Calm	NW 1	NW	NW	54.6
6	57.80	56.47	22	25.6	Calm	NW 1	NE	NW	-------
7	56.38	55.12	23	30	Calm	NW 1	-------	NW	-------
8	58.19	56.47	22	30.6	Calm	Calm	SW	-------	-------
9	58.87	57	23	30.5	Calm	SW 1	NW	-------	-------
10	58.31	56.87	24	29.5	Calm	Calm	NW	NW	-------
11	58.21	56.25	23	30.8	Calm	S 1	NW	NW	-------
12	57.77	55.70	22	31.4	Calm	SSW 1	-------	NW	-------
13	57.54	55.25	23	31.3	Calm	Calm	W	NW	-------
14	55.95	55.69	23.5	29.8	Calm	SW 1	NW	NW	-------
15	55.46	53.97	25.5	29.4	SW 2	SW 1	W	W	-------
16	56.87	55.57	24.7	30.1	Calm	SW 1	SW	W	8.1
17	57.36	56.46	22.5	30	Calm	Calm	-------	SW	-------
18	57.50	55.15	23.5	31.1	Calm	Calm	SW	SW	-------
19	56.15	54.22	23.5	31.5	Calm	Calm	NW	NW	-------
20	56.50	55.57	23	30.3	Calm	Calm	-------	NW	-------
21	57.91	56.75	23	31.7	Calm	SW 1	NW	NW	-------
22	59.52	57.77	22.5	30.6	Calm	W 1	-------	W	-------
23	59.48	57.42	24	30.1	Calm	NNW 1	SW	N	6.4
24	59.71	56.92	23	30.3	Calm	Calm	-------	NW	9.7
25	57.63	56.05	23	26.3	Calm	Calm	NW	NW	6.1
26	57.14	55.62	23	30.4	Calm	Calm	NW	W	7.1
27	58.66	56.57	23.2	29	Calm	W 1	W	W	9.9
28	59.67	57.31	24	30.5	Calm	W 2	SW	W	15.7
29	58.57	56.97	22.5	30	Calm	W 1	NE	W	20.8
30	58.66	56.81	23	29.8	Calm	W 1	W	NW	19.6
31	-------	-------	-------	-------	-------	-------	-------	-------	-------
Mean	57.74	56.08	23.2	30.1	0.1	0.7	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	171

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	59.21	57.44	22.5	29.5	Calm	Calm	W	NW	-------
2	59.61	58.12	23	30.5	Calm	NW 1	SW	W	16.8
3	60.16	57.86	22.5	30.5	Calm	Calm	SW	W	11.9
4	59.37	57.44	22.7	29	Calm	Calm	NW	NW	6.6
5	58.64	56.59	22	29.3	Calm	Calm	NW	SW	7.1
6	58.75	57.07	22	30.5	Calm	SE 1	-------	NW	17
7	60.31	58.19	22.5	29.5	Calm	SW 1	W	SW	-------
8	60.46	57.97	22	30.6	Calm	NW 1	SW	SW	-------
9	59.16	56.82	22.5	29.8	Calm	Calm	W	W	-------
10	59.12	56.84	22.9	28.5	Calm	Calm	-------	SW	-------
11	57.72	56.21	22.5	31.5	Calm	SW 1	-------	W	-------
12	57.66	56.10	22.8	31.4	Calm	Calm	-------	W	-------
13	57.05	55.42	24	30	Calm	Calm	-------	NW	5.8
14	54.33	53.24	23.5	27.9	Calm	Calm	-------	W	14.2
15	54.06	52.28	24	25.3	Calm	SW 2	-------	SW	4.1
16	55.90	55.54	26	28.7	S 3	SW 2	W	NW	-------
17	59.49	57.71	25.5	30	Calm	NW	W	6.4	
18	59.72	56.98	24	30	Calm	Calm	W	NW	28.4
19	59.12	56.15	23	30.8	Calm	Calm	W	NW	10.7
20	58.36	56.05	22.5	31.4	Calm	NE 1	NW	NE	58.8
21	58.89	56.87	23.3	30.2	Calm	N 1	N	NW	-------
22	58.60	56.48	23.5	31.6	Calm	Calm	W	NW	-------
23	58.20	55.85	24	30.9	Calm	Calm	W	W	10.2
24	58.48	56.40	24.5	30.6	Calm	Calm	-------	NW	5.1
25	57.55	56.51	24	31	Calm	NE 1	NW	W	6.4
26	58.30	56.98	23.5	29.8	Calm	Calm	-------	-------	-------
27	59.01	57.70	24.5	30.3	Calm	Calm	W	NW	-------
28	58.80	57.09	23.5	22.9	Calm	Calm	-------	NW	-------
29	58.37	56.36	22.5	31	Calm	NW 1	N	NW	6.4
30	59.41	57.07	24	30.3	Calm	Calm	SW	SW	12.7
31	59.44	57.70	23	30.6	Calm	Calm	SW	W	-------
Mean	58.49	56.61	23.3	29.8	0.1	0.4	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	228.6

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	59.43	57.22	23.5	29.7	Calm	SE 1	SW	NW	11.4
2	59.92	57.12	21.9	30.5	Calm	Calm	W	SW	48.3
3	59.66	57.06	22.5	30.4	Calm	NW 1	-------	NW	10.7
4	58.04	56.07	21.9	31	Calm	N 2	-------	N	-------
5	57.25	56.96	23.3	26	Calm	N 1	N	N	-------
6	56.95	55.47	21.5	29.5	Calm	Calm	-------	NW	55.9
7	57.77	56.83	22.5	30.5	Calm	Calm	SW	NW	12.2
8	58.96	57.91	22.5	27	Calm	Calm	-------	SW	-------
9	58.15	55.92	21.6	30	Calm	N 1	-------	NW	-------
10	57.77	56.46	22.5	30.8	Calm	SE 1	-------	NW	-------
11	58.71	57.46	22.5	31.8	Calm	NE 1	-------	SW	-------
12	58.89	57.20	23.5	30.5	NE 1	NE 1	-------	SW	-------
13	58.01	56.23	23	30.5	Calm	N 1	-------	NE	-------
14	57.76	56.40	22.5	30.8	Calm	Calm	-------	NW	-------
15	59.77	56.65	23	32	Calm	SE 1	-------	NW	-------
16	59.72	56.63	23	29.5	Calm	Calm	-------	N	-------
17	58.20	55.92	21.8	30.3	Calm	Calm	-------	N	8.6
18	57.95	56.74	23.5	31.9	Calm	Calm	-------	N	-------
19	57.72	55.46	22.3	31.9	Calm	NE 1	-------	NW	-------
20	57.20	55.58	23.5	31.5	Calm	N 1	-------	W	-------
21	56.88	55.90	24.5	31	Calm	Calm	W	NW	8.6
22	56.98	55.40	23	31	Calm	NW 1	-------	NW	-------
23	56.54	54.47	24	30.5	N 1	NW 1	-------	NW	6.9
24	54.32	53.21	24	28.1	Calm	Calm	-------	NW	-------
25	54.10	54.16	23	31	Calm	Calm	-------	NW	-------
26	57.60	54.88	23.1	31.4	Calm	Calm	N	N	28.4
27	56.58	55.14	23	27	N 1	Calm	N	N	62.2
28	52.47	54.12	24	28	SW 6	Calm	SW	SW	12.9
29	57.37	56.13	22.7	29.6	Calm	Calm	NW	N	-------
30	58.73	57.32	23.5	30.5	Calm	Calm	NW	NE	8.6
31	-------	-------	-------	-------	-------	-------	-------	-------	-------
Mean	57.65	56.07	22.9	30.1	0.3	0.5	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	274.7

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	60.08	59.15	21.5	28	Calm	Calm	NE	NW	-------
2	59.67	57.30	22	30.8	Calm	N 2	-------	N	-------
3	58.62	56.28	22.5	29.6	Calm	Calm	-------	NE	-------
4	57.70	55.77	22.1	30.1	Calm	Calm	NE	NW	-------
5	58.40	56.12	21.6	30	Calm	Calm	-------	SW	-------
6	58.92	57.87	23	30.4	Calm	Calm	-------	N	6.4
7	59.56	57.42	22	30.5	Calm	NW 1	-------	NW	6.6
8	58.57	57.47	23	30	Calm	NE 2	NE	NE	-------
9	59.09	56.42	22.5	30.5	NE 1	N 2	NE	NE	-------
10	58.87	57.29	22.8	30.2	Calm	Calm	NE	NE	23.1
11	59.11	58.37	22.5	27.7	N 1	N 1	N	NW	-------
12	58.84	58.49	23.5	27.5	Calm	N 2	N	N	-------
13	59.41	58.53	22.3	30	Calm	N 1	-------	NW	-------
14	59.94	58.09	22.5	30	Calm	N 1	-------	NE	-------
15	59.61	58.56	22.7	30	Calm	N 1	NE	NE	-------
16	59.23	58.06	23.5	29.1	Calm	Calm	-------	NE	53.3
17	59.22	57.08	22	30.5	Calm	N 1	NE	NE	-------
18	58.59	56.47	23.3	30.2	Calm	Calm	-------	NW	-------
19	58.08	57.48	20.5	29.4	Calm	NE 1	-------	NE	-------
20	58.62	56.31	20.4	30.6	Calm	Calm	NE	NW	-------
21	58.27	56.89	22.5	30	Calm	N 1	N	N	-------
22	57.07	56.16	24	30.3	Calm	Calm	NE	NE	-------
23	59.21	57.71	22.5	30.8	Calm	N 1	SE	NW	-------
24	58.71	57.17	22.2	29.5	NE 1	Calm	-------	NE	-------
25	58.87	57.47	22	30.4	Calm	Calm	NE	SE	-------
26	59.93	58.09	23.5	27.6	Calm	Calm	-------	NW	-------
27	59.49	57.79	22.6	30.1	Calm	NE 1	NW	NE	-------
28	59.93	58.38	21.5	30.5	Calm	NE 1	NE	N	-------
29	60.19	58.12	21.5	31	Calm	Calm	NE	NE	-------
30	60.14	58.73	22.5	26.7	N 1	Calm	N	-------	-------
31	58.96	57.84	22.2	30	Calm	Calm	NE	NE	-------
Mean	59.06	57.54	22.4	29.7	0.1	0.6	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	89.4

COTABATO.

[$\phi = 7°\ 13'$ N; $\lambda = 124°\ 15'$ E; barometer above sea, 3 meters; gravity correction not applied, —1.91 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	57.98	56.32	24	28.7	E	1	NE	1	NE	ENE	-------
2	58.36	57.09	23.5	30.3	E	2	E	2	ENE	NNE	-------
3	59.41	57.64	22.2	31.6	E	2	ESE	3	NE	NE	-------
4	59.81	57.39	22	32.6	E	2	ESE	3	NE	NE	-------
5	59.11	57.73	21.6	33.4	ESE	3	SE	3	-------	NE	-------
6	58.66	57.12	22.1	31.6	E	1	ENE	2	NE	NE	-------
7	58.98	57.69	21	30	Calm		Calm		NE	NE	-------
8	59.94	58.34	20.8	29.5	NNE	1	NNW	1	ENE	NE	-------
9	59.90	58.32	20.5	31.2	SE	1	NNW	2	ENE	E	-------
10	60.90	58.72	20	33.5	SE	2	Calm		E	ENE	-------
11	61.39	59.18	21	31.7	NE	2	ENE	2	E	E	-------
12	61.72	59.17	19.5	31	E	2	NNW	2	ENE	NE	-------
13	61.13	58.84	18.2	32.2	NE	1	E	3	-------	NNE	-------
14	61.20	58.82	22.1	30.5	E	1	NW	2	NNE	NNE	-------
15	60.40	59.49	24	26.6	E	1	NNE	1	NE	NE	7.7
16	61.28	59.57	23.5	28.5	ENE	2	NNW	3	NE	NE	.8
17	61.43	59.52	23.7	30.9	ENE	1	NNW	1	NNE	NE	-------
18	60.86	58.80	23.5	32.5	ENE	2	E	2	NE	ENE	-------
19	61.04	60.32	23	30	E	2	Calm		ENE	ENE	21.3
20	62.07	59.64	21.6	28.9	NNE	1	NW	2	NE	E	.8
21	61.06	59.68	22.5	28.4	NE	1	NNW	3	NNE	NE	4.8
22	61.44	59.52	21.5	31.5	NNE	2	NNW	1	NE	ENE	2
23	61.37	60.14	22	30	E	1	NW	3	ENE	ENE	11.4
24	61.99	60.38	23.4	31.6	Calm		NE	2	NE	NE	-------
25	61.31	59.37	23	32.5	ENE	2	ENE	2	-------	NE	-------
26	61.56	59.72	21	30.6	ENE	2	NNW	3	-------	NE	-------
27	62.42	60.71	20.5	31.6	ENE	1	W	1	-------	NE	-------
28	62.11	60.13	23	29.2	Calm		WNW	3	NE	NE	-------
29	61.53	59.12	24	31.6	Calm		NNW	1	NE	NE	-------
30	61.09	59.79	24.2	31.6	Calm		NNW	2	NE	NE	-------
31	61.11	59.28	23	32	ENE	1	NW	2	NE	NE	-------
Mean	60.73	58.95	22.1	30.8	1.3		1.9		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	48.8

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	61.50	59.61	22.5	31.8	ESE	1	WNW	3	NE	NE	-------
2	61.36	59.53	22	31	NNE	1	WNW	2	NE	NNE	0.5
3	60.78	58.80	23.1	31.4	E	1	WNW	2	NNE	E	-------
4	60.74	58.81	23.5	32.4	ENE	1	NW	2	NNE	NE	-------
5	61.34	59.40	23	32	ENE	2	WNW	3	NNE	NE	-------
6	61.83	59.68	23.7	31	E	3	ENE	3	NE	NE	10.2
7	61.66	59.46	23.4	31	ENE	1	NW	2	NE	NE	-------
8	61.61	59.42	21	29.6	ENE	1	NW	3	-------	ENE	-------
9	61	58.59	24	30	ENE	1	WNW	3	NE	NE	-------
10	60.51	58.20	22.5	32.5	E	1	NNW	1	NE	NE	.3
11	59.55	58.53	23	33.5	E	1	ENE	2	NE	NE	-------
12	59.84	56.85	21.5	33.6	E	2	ENE	2	NE	NE	-------
13	58.86	56.97	23.5	31.5	ENE	1	NW	3	NNE	NNE	-------
14	57.74	56.79	24.4	32.5	ENE	1	NW	2	NE	NE	.5
15	58.36	57.43	24	30.6	ENE	1	WNW	3	E	NE	-------
16	59.60	57.31	24.2	33	NE	1	ESE	3	ENE	ENE	-------
17	59.27	57.46	24	33.6	NE	1	NW	3	E	ENE	-------
18	58.99	57.33	24.6	33	Calm		NNW	3	E	ENE	-------
19	59.53	58.29	24	28.6	NE	1	NW	3	ENE	NNE	10.7
20	59.23	57.67	22	32.5	E	3	NNW	2	NE	NE	-------
21	59.66	57.82	23	33.5	ENE	1	ENE	2	NE	NE	-------
22	59.64	57.84	23	32	E	1	WNW	3	NE	ENE	-------
23	59.40	57.41	24.2	33	E	1	WNW	2	NNE	NE	-------
24	59.22	56.62	20	34	Calm		ENE	2	-------	NE	-------
25	58.41	58.56	23	27	Calm		E	1	NE	ENE	.8
26	58.65	56.59	23.3	31.4	ESE	1	NNW	2	NNE	NE	-------
27	58.91	56.11	23.5	31.4	E	2	NNE	3	NE	ENE	.5
28	58.73	56.24	23.6	31.4	SE	1	W	3	ENE	NE	1.1
29	57.61	56.65	24	27.6	Calm		NE	2	NE	NE	1
30	-------	-------	-------	-------	-------		-------		-------	-------	-------
31	-------	-------	-------	-------	-------		-------		-------	-------	-------
Mean	59.78	57.93	23.2	31.6	1.1		2.4		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	25.6

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	58.01	56.32	22	32.5	ENE	1	E	2	NE	NE	-------
2	59.22	57.74	23	30	SE	1	NNE	1	NE	NE	0.8
3	59.80	58.19	23	32.5	SE	2	WSW	2	NE	NE	.5
4	59.55	57.48	23	31	E	1	NNW	3	E	NE	-------
5	58.88	57.21	22	29.3	SE	1	W	2	ENE	NE	1.3
6	59.64	58.36	23.2	28	ENE	1	W	2	NE	ENE	3.5
7	59.94	57.80	23.6	33	SE	2	NE	1	E	ENE	.3
8	60.24	58	25	33.6	SE	1	ESE	2	ENE	ENE	-------
9	61.74	58.45	23.5	34	SE	1	SE	1	NNE	NNE	-------
10	60.66	58.41	22	33.6	E	2	SE	2	E	NE	-------
11	59.31	57.64	24.2	32.3	SE	1	WSW	3	ENE	ENE	-------
12	58.34	56.58	24.5	31.9	SE	1	WSW	3	NE	NE	1.3
13	58.47	56.50	24	33	ESE	1	SW	2	ENE	ENE	2.8
14	59.06	57.61	24.1	33.6	E	2	SE	2	ENE	ENE	-------
15	59.69	57.77	21	33	ESE	1	SE	2	ENE	ENE	-------
16	60.26	57.57	21	32.4	SE	1	W	3	NE	NE	-------
17	59.86	57.34	22	33	SE	1	WSW	2	NE	ENE	-------
18	60.04	58.03	21.5	31	SE	1	WSW	3	-------	NE	-------
19	60.34	58.19	23.2	31.4	E	1	W	3	NE	NE	-------
20	60.78	58.20	22.6	33.8	SE	2	SE	1	ENE	NE	-------
21	60.91	58.87	23.8	31	SE	2	W	3	ENE	ENE	-------
22	61.09	58.65	23.5	30.9	SE	1	E	3	ENE	NE	-------
23	60.61	58.47	22	31.2	E	2	W	3	NE	NE	-------
24	60.76	58.82	23	33	E	2	NNW	2	NE	ENE	-------
25	61.23	59.31	22.6	31	E	1	W	2	NE	NE	-------
26	61.69	58.19	21.5	31	SE	1	W	3	-------	NE	-------
27	60.54	58.45	22.6	31	E	1	WSW	3	-------	NE	-------
28	60.45	58.41	24	31.2	SE	1	W	3	-------	NE	-------
29	60.03	58.33	23.5	31	SE	2	NW	3	NE	NE	.3
30	59.85	58.30	24.1	32	SE	2	W	3	NE	NE	-------
31	59.47	57.61	25	33.2	SE	1	SSE	2	NE	ENE	-------
Mean	60.01	57.96	23	31.9	1.3		2.3		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	10.8

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	59.48	57.47	23	31	NE	2	NW	3	ENE	ENE	-------
2	59.84	57.82	24	32	E	1	W	2	NE	NE	9.4
3	59.94	58.09	23.2	31	ESE	1	W	3	NE	NE	-------
4	59.39	57.48	24	30.4	E	1	WNW	3	NE	NE	.8
5	59.05	57.81	24	32.2	E	1	WSW	3	NE	NE	4.6
6	59.65	57.89	25	32.5	E	1	WSW	3	NE	NE	-------
7	60.42	58.12	25	32	E	1	W	3	NE	NE	-------
8	60.18	58.08	25.5	32	ESE	1	SSW	3	NE	NE	52.1
9	60.84	58.35	24.6	31.5	SE	2	SSW	3	NE	E	7.4
10	61.08	59.01	25	30.4	NE	1	SSE	4	ENE	NE	2.5
11	61.40	59.07	24.5	32	E	2	SSW	3	NE	NNE	1.3
12	62.20	59.82	24	32.5	E	1	SW	3	NNE	NNE	-------
13	62.59	59.75	23.5	34.2	SE	1	SSE	1	NNE	NNE	-------
14	61.49	58.52	24.5	32	E	1	W	3	-------	NNE	-------
15	60.24	57.54	24	34.4	SE	2	ESE	1	NNE	NE	-------
16	59.99	58.17	24	33	SSE	1	NW	2	NE	NE	-------
17	60.28	57.96	24.7	33	E	1	W	3	NE	NE	25.9
18	59.93	57.90	24.6	32	SE	1	WNW	3	E	E	.8
19	59.84	57.37	23.5	32	E	2	NW	3	-------	ENE	.5
20	58.67	56.77	25	31.6	SE	1	W	3	E	NE	-------
21	57.89	55.95	24	32	NE	1	W	3	E	NE	-------
22	57.99	55.82	25.4	32	ESE	1	SE	2	E	NE	1.8
23	58.12	56.42	25	31	SE	1	WSW	3	ENE	ENE	20.3
24	58.61	56.88	24	31	SE	1	W	3	SE	SE	-------
25	58.24	56.32	25	31.4	ESE	2	SW	3	E	ENE	1.3
26	58.54	56.94	25.5	30	SE	1	W	3	NE	NE	-------
27	59.27	57.22	25.5	31.5	SE	1	SSW	3	NE	ENE	-------
28	59.10	56.67	26	31.5	SE	1	WSW	3	NE	E	11.4
29	58.49	56.22	24.6	33	E	1	E	2	ENE	E	.8
30	57.79	55.49	24	33	Calm		SE	2	E	NE	-------
31	-------	-------	-------	-------	-------		-------		-------	-------	-------
Mean	59.68	57.56	24.5	31.9	1.2		2.7		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	140.9

COTABATO.

[$\phi = 7°\ 13'$ N; $\lambda = 124°\ 15'$ E; barometer above sea, 3 meters; gravity correction not applied, −1.91 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	57.91	55.87	25.6	31.5	SE	1	W	3	ENE	E	------
2	58.10	55.99	25.5	32.4	SE	1	SW	3	ENE	NE	30.5
3	59.64	57.57	25.5	32	SSE	2	SE	2	E	NE	1
4	60.12	58.08	25.4	32	ESE	2	W	3	ENE	ENE	6.1
5	59.70	57.37	25.4	32	SE	1	SSW	2	ENE	NE	------
6	59.07	57.05	24.1	32	SSE	1	SW	3	ENE	E	------
7	59.52	57.81	25.1	31.8	SSE	1	S	4	E	E	------
8	59.58	57.61	24	32	Calm		WSW	3	E	E	13.2
9	59.30	56.77	24.5	31.5	SSE	1	SW	3	ENE	NE	------
10	59.37	57.47	26	32	Calm		SSW	3	SW	E	------
11	59.88	57.75	26	31.9	SSE	1	SSW	3	ESE	ESE	------
12	59.78	57.46	25.3	30.4	Calm		SW	4	SE	ESE	.5
13	59.14	56.61	25.6	32.5	SSE	1	WSW	2	ESE	SE	77.5
14	59.28	57.40	24	31.4	E	2	SSW	3	ESE	SE	5.3
15	59.29	57.41	26	31	NE	1	SSW	4	E	E	12.7
16	59.22	57.47	25.5	31	SE	1	SW	3	ENE	E	------
17	58.93	56.83	26	31.4	SE	1	SW	3	NE	E	2.5
18	59.07	57.78	24.1	30.6	ESE	1	W	2	E	E	1.3
19	58.24	56.01	25.6	33	ESE	1	W	2	NE	NE	7.6
20	57.83	55.61	26	31	SE	1	S	3	NE	NE	56.1
21	58.75	57.29	24.2	31	Calm		E	1	NE	NE	------
22	59.39	57.29	25	31	NE	1	E	1	NE	NE	29.2
23	59.12	57.37	23.8	29.2	ENE	2	SW	3	NE	NE	1.3
24	58.66	56.42	24.5	31.5	E	2	NW	2	E	E	12.7
25	58.76	56.44	23.1	30.6	NE		W	3	ENE	SW	8.9
26	58.05	56.57	25.2	31	SE		SW	3	S	SSE	.8
27	58.45	56.65	24.7	31.5	E	1	SW	2	SE	SSE	------
28	59.07	57.26	25.5	31.6	Calm		NW	2	SE	E	16
29	59.77	57.55	25.6	31.2	SE	1	SW	3	SE	E	1.3
30	59.58	57.89	25.8	31.2	SE	1	S	2	E	E	2.5
31	58.72	56.85	24.1	32.4	E	1	W	2	NE	NE	------
Mean	59.07	57.08	25.1	31.5		1		2.6	------	------	------
Total	------	------	------	------	------		------		------	------	287

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	58.82	56.77	23.8	33.2	E	2	W	2	SE	NE	------
2	59.23	57.26	25.2	33.8	NE	1	E	2	NE	NE	2
3	59.26	57.39	24	33.2	SE	2	SW	2	NE	NE	1.3
4	58.49	56.81	25	32	E	1	WSW	3	NE	NNE	1.5
5	58.51	56.90	25.9	31.2	SE	1	W	3	NNE	NNE	------
6	58.94	57.82	25.4	31.8	ESE	1	WNW	2	NE	NE	------
7	58.92	57.49	25	29.4	ESE	1	WNW	2	NE	NE	------
8	58.71	57.60	25	29	E	1	W	3	NNE	WSW	------
9	59.55	56.91	25	31.6	SE	1	W	3	E	E	5.8
10	60.26	57.14	25	30.5	Calm		W	2	ENE	E	4.3
11	59.11	58.13	24.4	30.6	SE	2	SSW	2	ESE	NNE	1.8
12	59.81	58.37	23.5	31	E	1	NW	3	NNE	SW	2.5
13	60	58.01	23.4	31	E	2	W	3	SE	E	1
14	59.86	57.92	23.2	32	NE	2	SW	3	SE	ESE	5.1
15	59.29	56.76	25	32	SE	1	SW	3	E	E	12.7
16	58.79	56.87	25.6	30	Calm		SW	3	ESE	S	4.8
17	58.41	56.87	23	31	NE	2	SSW	1	E	NNE	14
18	59.18	56.89	23	31.5	SE	2	NW	2	E	ENE	------
19	59.24	56.79	25	30	E	1	NW	3	SSW	SE	3
20	59.55	57.08	24.3	30	WNW	1	SSE	2	W	SE	1.3
21	58.91	56.77	24	31.5	NE	1	WSW	3	E	ENE	------
22	59.11	56.72	24.4	32	E	1	WNW	3	ESE	ENE	------
23	59.02	56.77	24.5	32	E	2	W	3	SE	E	2
24	58.34	56.08	25.1	32	S	1	SSW	2	SSW	SW	43.2
25	57.73	56.67	23.4	30	NE	1	W	3	E	ENE	53.6
26	58.92	57.48	23.5	30	ENE	2	WNW	3	E	ENE	3.8
27	58.98	57.62	23.9	30	NE	1	WNW	3	ENE	SW	------
28	58.60	57.24	24	29	SE	1	SW	2	SE	SSE	53.3
29	58.58	57.52	23.4	27.6	NE	1	S	2	SE	SE	5.1
30	58.74	56.87	23.2	31	SE	1	NW	2	E	ENE	------
Mean	59.03	57.18	24.3	31		1.2		2.5	------	------	------
Total	------	------	------	------	------		------		------	------	222.1

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	59	57.18	25	30	E	1	SW	3	ENE	E	1
2	58.61	57.05	24	29.8	Calm		WNW	2	E	NE	.8
3	59.16	58.24	23.9	27.2	NE	1	SW	3	ENE	SE	25.9
4	60.15	57.99	23	30.4	E	1	SE	1	E	E	1.3
5	59.84	57.02	24.4	31	SE	1	SW	3	ESE	E	4.1
6	58.51	57.12	24.1	26.5	NE	1	SSW	2	E	NE	27.5
7	58.41	55.94	23	30.4	SE	1	SW	3	NE	NE	23.4
8	58.27	56.44	23.6	27.5	SSE	1	SSE	2	NE	SW	3
9	57.65	57.22	24	30	NE	1	NNE	1	E	E	------
10	58.48	57.03	23.2	31	NE	1	SE	1	ENE	SSW	------
11	58.73	56.78	23.1	31	SE	1	SW	2	S	SSE	30.5
12	58.03	56.09	24	32	SE	1	W	2	SE	E	------
13	57.84	55.86	25.4	32.1	Calm		W	3	E	E	3.8
14	58.07	56.32	25.5	31	Calm		W	3	SSE	S	5.1
15	58.72	56.74	24	31.6	E	2	SSW	2	E	E	1.3
16	58.76	56.76	23.6	31	E	2	W	3	NE	NE	2.5
17	57.96	56.14	24.5	31	E	1	SW	3	NE	NE	36.8
18	57.97	57.13	24.5	28	Calm		S	4	SE	SE	12.7
19	57.87	56.29	24	30	E	1	S	2	SE	SSE	6.4
20	59.28	57.38	23.4	30	E	2	NW	2	SSW	S	------
21	58.62	57.12	24	30.2	NE	1	WNW	3	E	NE	1
22	58.36	56.88	24.4	30	ESE	1	W	2	NE	ENE	1.3
23	58.12	56.71	23.8	31	Calm		WSW	3	SE	SE	30.5
24	58.41	56.82	23.6	31	Calm		W	3	SE	------	38.4
25	59.79	56.71	23	31	Calm		E	1	E	SE	------
26	57.69	56.54	25.2	28.9	NE	1	S	2	SE	SE	5.1
27	56.71	55.98	23.6	27	NE	2	SSW	4	E	S	14.8
28	57.18	56.63	24	29	ESE	1	SW	3	SE	SE	------
29	58.60	57.74	23.3	30.2	E	1	SW	3	NE	E	------
30	59.36	57.51	23	30.2	E	1	SW	2	SE	------	7.6
31	58.48	57.74	23	30	SE	2	WSW	3	NE	SW	36.8
Mean	58.47	56.87	23.9	30		0.9		2.5	------	------	------
Total	------	------	------	------	------		------		------	------	321.6

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	58.54	57.85	22.8	28.4	Calm		Calm		S	SE	2
2	58.08	57.98	23.6	29.5	NE	1	WSW	3	SE	------	7.6
3	60.14	58.33	22.6	29.5	SE	1	W	3	SE	------	2.3
4	60.05	58.16	23.2	27.8	NE	1	NW	2	SE	SSE	2.3
5	58.58	56.85	23	30.6	SE	1	WSW	3	E	SSE	56.6
6	59.43	58.28	23.4	29.2	Calm		WSW	3	S	SE	1.8
7	60.40	58.08	23.6	30	SE	1	SW	3	S	S	6.4
8	59.59	57.65	23.6	30	NE	1	W	3	E	S	10.2
9	58.83	57.27	23.9	30.2	SE	1	SSW	3	SE	SE	3.8
10	58.75	57.70	24	29.6	NE	1	SW	3	ESE	SSE	------
11	58.93	57.44	23.5	28.6	E	1	W	3	SSE	SSW	4.3
12	58.77	58.10	23.9	26.2	Calm		SW	3	SSE	SSW	11.7
13	58.78	57.13	23.1	30	E	2	SW	3	SSW	S	------
14	59.01	57.02	23.5	30.2	E	1	SW	2	SSE	------	------
15	59.02	57.16	23.6	31	NE	2	W	2	E	E	------
16	59.11	56.99	24	30	E	2	SSW	3	E	SE	52.1
17	58.76	56.12	23	31	NE	2	W	2	SE	ESE	11.2
18	58.56	56.32	22.6	31	NE	2	WSW	3	SSE	ESE	------
19	58.11	56.52	23.6	31.2	NE	1	SSW	3	SSE	SSW	3.8
20	58.75	56.77	23.9	30	ENE	2	SW	4	E	SE	7.1
21	59.61	58.09	24.2	30.4	NE	1	W	2	S	SE	45.7
22	59.39	57.69	23	28.5	NE	1	WSW	3	SE	SE	15.5
23	59.50	56.64	23	29	NE	1	SE	2	ESE	E	------
24	58.88	57.57	23.5	30.5	E	1	W	3	SE	SSE	------
25	59.06	57.17	23.9	29.2	NE	1	WSW	3	E	ESE	------
26	58.56	56.26	23.4	31.6	NE	1	SSE	2	SSE	ESE	------
27	57.71	55.34	23	32	SE	1	S	3	E	SE	------
28	57.22	56.09	24	32.5	E	2	S	4	------	SSW	------
29	58.36	56.74	24	30.6	E	1	WNW	4	SSE	SSW	------
30	58.52	57.12	23.1	31	Calm		WSW	3	------	SSW	.8
31	57.66	55.49	24	31.6	E	1	SSE	3	SSE	SE	------
Mean	58.86	57.16	23.5	30		1.1		2.8	------	------	------
Total	------	------	------	------	------		------		------	------	245.2

COTABATO.

[$\phi = 7°\ 13'$ N; $\lambda = 124°\ 15'$ E; barometer above sea, 3 meters; gravity correction not applied, —1.91 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	56.61	55.61	23.9	31	SE	1	S	3	SW	SE	------
2	57.72	56.33	23.8	31	E	1	W	3	SE	SE	2.5
3	58.42	56.98	22.5	30.5	S	1	WSW	3	SE	ESE	------
4	58.99	56.89	22.6	32	E	2	S	2	------	SSE	------
5	57.95	56.02	23.1	31	NE	1	SSE	3	ENE	S	------
6	58.13	56.74	22.8	29	NE	1	W	1	SE	------	1.8
7	57.49	56.58	25.6	28.2	SSW	3	SSE	3	SW	SSE	.3
8	59.10	57.59	23.1	31	E	1	WSW	3	SE	SE	------
9	59.48	58.17	23	31	E	2	S	3	ESE	SSE	------
10	59.16	57.69	23.9	30	NE	1	W	3	ESE	ESE	2
11	59.02	57.46	24.5	31	ENE	1	SE	3	SSE	SE	------
12	58.61	57.41	24	31	NE	1	SSW	3	SE	SE	2.8
13	58.92	56.92	23.6	30.5	NE	1	ESE	3	SE	SE	5.8
14	56.99	55.63	24.5	31	E	1	SE	4	SE	SE	81.3
15	56.06	54.35	24.1	28.9	E	2	SE	3	ESE	SE	8.9
16	57.71	56.80	24.4	26.4	E	1	SW	5	ESE	SSW	16.5
17	58.38	57.17	23.5	29.9	E	2	W	3	SSE	SE	8.3
18	58.83	56.14	22.6	30.2	E	1	SSE	3	SE	SE	------
19	57.45	56.11	24.6	25	NE	1	WSW	3	SSW	SSW	8.4
20	58.18	56.83	24	29.4	NE	1	SSW	3	S	SSE	1
21	58.93	57.43	23.1	30.5	NE	2	WNW	3	SE	ESE	------
22	60	58.06	22.5	31	S	1	SW	3	E	SE	------
23	60.20	57.58	23.3	32.1	E	1	SSE	3	SE	E	21.6
24	59.31	56.72	24	31.2	NE	1	SSE	3	SE	SE	------
25	58.46	56.79	24.6	29.4	SW	1	SSE	2	SSW	S	11
26	58.21	56.24	24.1	30.5	E	1	ESE	3	SE	SE	2
27	58.10	56.89	23.6	29.5	NE	1	SW	3	ESE	SE	5.1
28	59.51	57.34	23.4	31	NE	1	SSW	3	E	ESE	.5
29	59.12	57.45	23.8	30.4	NE	1	SSE	3	ESE	ESE	13
30	59.27	56.72	24.5	31.4	NE	1	SW	3	SSE	SE	------
31	------	------	------	------	------		------		------	------	------
Mean	58.48	56.82	23.7	30.2	1.2		3		------	------	------
Total	------	------	------	------	------		------		------	------	192.8

OCTOBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	59.60	57.47	24	32	NE	2	W	3	SE	------	------
2	59.99	58.14	24	33	E	1	SSE	3	E	------	------
3	60.48	58.19	23.5	32	SE	1	WSW	3	E	SE	11.4
4	59.56	57.44	23.5	31	NE	2	SSE	2	SE	SE	------
5	59.24	56.81	23	32	NE	2	WSW	3	E	SSE	53.3
6	59.92	58.35	23	28	NE	2	SSE	2	E	SE	10.7
7	60.98	60.45	23	26.1	NNE	1	W	3	E	SE	2.1
8	61.12	58.68	22.6	31.5	NE	1	SSW	2	ESE	SE	------
9	59.63	57.89	22.6	30	NE	1	SSE	3	S	S	------
10	59.59	57.65	23.6	29.6	E	1	SSW	4	SE	SSE	------
11	58.67	56.79	22.6	31	ENE	2	S	3	SSE	SE	.8
12	58.56	57.01	23.2	31.5	E	1	SE	3	------	SE	------
13	58.43	55.94	24	31.5	E	1	S	4	SE	SSW	22.9
14	56.29	54.44	25.9	27.4	SSW	3	SSW	5	SW	SSW	38.6
15	54.92	53.42	25	26.1	S	4	SSE	4	SSW	S	67.3
16	56.40	56.41	23	26	E	2	E	2	SE	SE	38.6
17	59.38	57.62	23.5	32	E	1	ESE	1	SE	SE	------
18	59.94	57.18	24	31	NE	1	SE	3	------	ESE	24.1
19	59.84	56.90	23.6	31	NNE	1	W	2	SE	E	------
20	58.50	56.22	24	31.4	NE	2	WSW	3	E	SE	------
21	59.06	57.51	24	32	NE	2	SW	3	E	E	------
22	59.03	56.79	23	32.3	NE	1	W	3	E	------	------
23	58.85	56.42	23.7	32	NNE	1	SSE	3	E	SE	10.2
24	58.98	56.68	25	31.9	NE	1	SSE	3	S	------	6.6
25	58.31	57.10	24.9	30	NNE	1	S	3	SE	SE	1.8
26	58.60	57.36	24	31.5	S	1	SSW	2	E	SE	------
27	59.35	57.32	23.6	33.4	E	1	E	1	SE	SE	------
28	59.20	57.63	24.6	31	NNE	1	S	3	ESE	ESE	------
29	58.81	56.32	23.7	33.2	NE	1	WSW	2	E	ENE	------
30	59.36	57.62	24.6	32	NE	2	SSW	3	------	E	2.5
31	60.24	58.08	24.6	31.8	NNE	2	S	2	E	ESE	24.1
Mean	59.06	57.16	23.8	30.8	1.5		2.8		------	------	------
Total	------	------	------	------	------		------		------	------	315

NOVEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	60.39	57.84	24.5	29	NE	1	S	2	SSE	SSE	7.7
2	60.30	57.69	24	30.9	E	2	SSE	3	SE	E	------
3	59.83	57.07	23.6	32.1	NE	1	SW	3	E	------	------
4	58.62	56.43	23.5	32	E	2	WSW	3	------	E	------
5	58.32	57.20	24	26.9	NE	1	NE	1	SE	E	------
6	56.82	56.11	24	27.8	E	1	SW	3	SSE	SSE	1.5
7	58.44	56.82	22.9	31	NE	1	ESE	3	SE	SE	------
8	59.23	57.28	23.5	30.9	E	2	WSW	3	------	SE	3.8
9	58.16	55.72	23.1	33	SE	2	SE	2	E	E	1.8
10	57.92	55.91	23	33	SE	2	E	2	E	------	------
11	58.51	56.93	24	33.5	E	1	E	2	------	E	------
12	58.88	56.72	24.5	34.1	E	2	E	2	E	------	------
13	58.05	55.86	24.2	34.1	NE	1	SE	1	------	E	35.6
14	58.11	56.39	23.8	33.2	E	2	NE	1	E	E	------
15	58.96	56.47	24.3	33.6	SE	1	E	1	E	ESE	2
16	58.55	56.32	24.9	34	NE	1	ESE	2	ENE	------	------
17	58.18	55.55	23.2	34.3	SE	1	NE	1	E	ENE	------
18	57.66	55.52	24.6	34.4	E	1	NE	1	E	ENE	------
19	58.02	55.94	24.5	31.2	ENE	1	SW	2	NE	------	------
20	57.66	55.74	23.9	33.4	NE	1	SSW	2	E	E	------
21	57.37	55.72	24.8	32	E	1	S	3	------	SE	------
22	57.44	55.39	25	31.4	NE	1	SSE	2	ESE	E	2.5
23	57.11	54.88	24.4	29.3	E	1	SW	1	------	SSE	1.3
24	55.60	54.54	25	28.4	Calm		S	3	SE	SE	2.5
25	54.87	54.74	24.6	31.9	ESE	1	ESE	3	SE	ESE	7.6
26	58.26	55.28	23.5	33	NE	1	SE	2	E	ESE	------
27	57.26	56.39	24.7	25.5	NE	1	SW	3	SSW	SSW	60.2
28	52.85	54.41	23.2	25	S	6	ESE	1	SSW	SE	74.9
29	58.18	56.92	22.9	29.5	E	1	E	1	SE	ESE	------
30	58.96	57.77	23.5	26	NE	1	E	1	E	SSE	5.1
31	------	------	------	------	------		------		------	------	------
Mean	57.95	56.18	24	31.1	1.4		2		------	------	------
Total	------	------	------	------	------		------		------	------	206.5

DECEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	60.69	59.29	22.1	28	SE	1	S	1	E	SW	------
2	60.14	57.65	23	30.9	SE	1	W	3	ESE	------	------
3	58.99	56.64	23.1	29.8	NE	2	SW	3	E	SSE	1.8
4	58.51	56.87	23.3	30.6	NE	1	S	3	------	SSE	------
5	58.82	57.08	23.5	32	E	1	SSE	3	S	SE	------
6	59.24	57.53	23	30.9	E	1	SSW	3	------	SE	6.4
7	59.66	57.63	23.1	31	NE	1	SSW	3	ESE	E	------
8	59	56.94	24	30.6	E	1	SE	3	SSE	SE	------
9	59.06	57.28	24	31.5	NE	2	WSW	3	E	ESE	1.3
10	59.09	56.95	22.6	31	NE	2	E	2	SE	ESE	1
11	58.78	57.16	23	31.2	NE	1	ESE	2	E	NE	------
12	58.90	57.51	23.6	31.5	E	1	SE	2	NE	NE	------
13	59.16	57.66	23.6	32.3	E	1	ESE	2	------	NE	1
14	59.84	57.59	24	32	E	1	SE	1	ENE	E	12.7
15	59.46	57.51	23.5	33	E	1	E	1	NE	NE	10.2
16	58.96	57.02	23.5	30.5	E	2	NE	2	------	ENE	11.4
17	59.11	56.76	23.7	33.5	SE	2	E	1	ENE	------	------
18	58.81	56.77	22.5	31.6	NE	2	SW	2	E	NNE	------
19	58.51	57.19	22	31.6	SE	1	W	2	E	------	------
20	58.74	57.02	20.6	31.5	E	1	W	2	------	E	------
21	58.38	56.74	22.5	31	E	1	SW	3	NE	E	------
22	58.31	56.62	24.1	34	NE	1	NE	2	ENE	E	2.5
23	59.13	57.42	23.7	32.3	NE	1	W	2	E	E	------
24	58.03	56.71	23	33	NE	2	ESE	2	ESE	ENE	.8
25	58.86	57.17	22.1	32	NE	1	E	1	------	ENE	------
26	58.97	57.44	24.4	32	NE	2	E	2	E	E	------
27	59.19	57.38	23.5	30.5	E	1	ESE	2	ENE	E	------
28	60.04	57.69	22	33.5	NE	1	E	2	E	NE	------
29	59.81	57.48	22.6	33.6	NE	1	NE	2	------	E	------
30	59.75	57.92	23.5	30.5	NE	1	ESE	2	NE	E	------
31	58.78	56.53	24	34	E	2	E	2	NE	NE	10.2
Mean	59.12	57.26	23.1	31.7	1.3		2.1		------	------	------
Total	------	------	------	------	------		------		------	------	59.3

CAGAYAN, MISAMIS.

[$\phi = 8°\ 29'$ N; $\lambda = 124°\ 38'$ E; barometer above sea, 13 meters; gravity correction not applied, —1.89 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	57.57	56.49	23	29.4	Calm		NNE	2	SE	N	
2	58.54	57.87	22	27.6	S	1	Calm			SW	
3	59.61	58.37	19	28.8	S	1	N	1			
4	59.94	58.20	20	29.4	S	1	NNW	2			
5	59.60	57.60	18	29.7	S	1	NNW	2		SE	
6	58.89	57.13	20	29.8	S	1	N	3			
7	59.09	58.08	19.8	27.5	SSW	1	N	3		SE	
8	60.10	58.81	17.9	27.3	S	1	NNW	2			
9	60.27	58.97	19.7	27.5	S	1	N	1	E		
10	60.77	59.37	18.7	28.5	S	1	N	2			
11	61.34	59.03	18.6	28.5	S	1	N	2		SSE	
12	60.94	59.22	18.5	28.5	S	1	N	2			
13	61.02	59.25	19.5	27.9	S	1	N	2		SW	
14	61.02	59.70	19.8	27.5	S	1	N	3		SE	
15	60.02	59.25	23	28.8	Calm		N	2	SE	NE	0.3
16	61.12	60.49	22.5	29	Calm		N	1	NNW		
17	61.40	60.33	21.6	28.6	S	1	N	1	SW	SE	.3
18	61.26	60.30	23.8	27.4	Calm		N	1	NE	NNW	1.3
19	61.60	60.95	23	27.5	Calm		N	2	SW	SW	.8
20	61.95	60.26	20.9	29.1	Calm		NNW	1			
21	61.36	60.56	22.5	27.5	S	1	WNW	5	NE	NE	
22	61.87	60.40	19.6	27.6	Calm		N	2	E		
23	60.63	60.50	19.6	28	S	1	N	2			
24	61.82	60.62	22.5	29.4	SSW	1	N	1			
25	60.88	59.99	21.4	29.1	S	1	NW	2			
26	61.33	60.29	19.2	29	S	1	NNW	2			
27	62.25	61.65	20	26.4	S	1	N	3		NNW	1.3
28	61.95	60.59	22	27.7	S	1	NW	3	NE	NE	
29	61.96	60.34	20.2	27.8	S	1	N	2		NNW	16.8
30	60.97	59.84	23	28.5	Calm		N	2	SE		
31	61.26	59.95	21.8	28	S	1	N	2	SE	NNW	
Mean	60.72	59.50	20.7	28.3	0.7		2				
Total											20.8

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	61.70	60.30	20.2	28.4	S	1	N	2		NNW	
2	61.65	60	19.5	28.4	S	1	NNW	2		NNW	
3	60.85	59.43	23.8	29	Calm		NW	3	NNE		
4	60.55	59.80	21	28.8	S	1	N	3			
5	61.07	59.65	20.6	29.5	Calm		N	2			
6	61.60	60.10	23.5	30	Calm		N	1	NE	SE	
7	61.75	59.74	22.5	30.5	S	1	N	1			
8	62.07	59.94	21.2	29.4	Calm		N	1	NNW	NNW	
9	61.10	59.39	23.5	28.2	Calm		N	2	NNW	SSE	
10	60.42	58.80	21.2	30.5	S	1	NNW	2		NNW	1.3
11	59.59	58.99	20.5	28.4	SSW	1	N	3			
12	60.17	57.88	19.8	30.1	S	1	N	2			
13	58.93	57.31	22.4	28.8	Calm		NW	3			
14	58.29	57.67	24	27.5	Calm		N	1	NNW	NNW	
15	58.06	57.55	22.2	30	S	1	N	1			
16	59.02	57.68	22.8	30	S	1	N	2		NNW	
17	59.11	58.04	22	29.4	Calm		N	2		NNW	
18	59.08	58.07	21.8	29.4	S	1	NW	4		NNW	.3
19	59.68	58.54	22.8	29.4	S	1	N	1	NNW	NNW	
20	59.40	58.08	20.4	30.2	S	1	N	2	NNW	NNW	
21	59.57	57.58	22.4	32.1	Calm		N	2		NNW	
22	59.10	58.43	21	30.8	S	1	N	2			
23	59.82	58.13	21	31.8	S	1	N	2		E	
24	59.16	57.10	17.6	29	SSW	1	N	3		NE	.5
25	58.89	58.50	22.3	27.2	SSW	1	Calm		NE	NE	11.2
26	58.59	56.64	21.5	30.8	Calm		N	2			
27	58.55	56.88	21.6	30.4	Calm		N	2		SE	
28	58.02	57.01	23	28.6	Calm		N	1			
29	57.79	56.55	22.8	29.8	S	1	NNE	2		NE	
Mean	59.78	58.41	21.7	29.5	0.6		1.9				
Total											13.3

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	58.04	57.24	20	28.5	S	1	N	2		NE	
2	59.38	58.14	22	30.5	S	1	N	2	NE	NNW	
3	59.75	58.45	21.5	30.1	Calm		NNW	3			
4	59.58	58.23	21.2	30	S	1	N	1		NNW	
5	59.02	57.86	21.5	29	S	1	N	2	SE	NNW	3.3
6	59.49	58.78	24	28.5	Calm		N	2	NE	NNW	
7	59.98	58.35	21.5	28.7	S	1	N	2	NE	SE	
8	59.85	58.14	24	32	S	1	N	3	NE		
9	61.25	59.09	20.2	30.4	S	1	N	2			
10	60.91	59.10	20.2	30	S	1	N	3	NNW		
11	59.27	57.59	23	29.5	S	1	N	2		SE	
12	58.36	57.53	23	27.8	S	1	N	2		E	
13	58.24	57.08	22	29	S	1	NNE	2			
14	59.09	58.15	22	30.5	S	1	NNE	1			
15	60.09	58.14	19.6	29.5	SSW	1	N	1			
16	59.85	58.41	19.4	29.3	S	1	N	3	SE		
17	60.23	58.63	21	29.9	SSW	1	N	5			
18	59.20	58.56	20	30	S	1	N	3		SE	
19	60.45	59.04	20.8	31	S	1	N	2			
20	60.95	59.10	20.5	30.2	S	1	N	2			
21	60.32	59.29	20.8	30.2	Calm		WNW	2			
22	60.62	59.19	21.8	29.4	SSW	1	N	2			
23	61.07	58.70	20.4	32.5	Calm		N	3			
24	60.51	59.49	20.6	29.8	Calm		NW	3			
25	61.43	59.49	21.2	31.4	S	1	N	2			
26	61.60	58.82	19.5	31	S	1	N	3		NE	
27	60.52	58.95	22.2	31.8	Calm		N	3		NE	
28	60.62	58.46	21.5	31.5	S	1	N	3		SE	
29	60.80	59.98	21.8	30.1	Calm		N	2		SE	
30	59.20	58.74	22.9	33.1	S	1	N	3			
31	59.82	58.62	24.5	32.5	Calm		N	2		SE	
Mean	59.98	58.56	21.4	30.2	0.7		2.4				
Total											3.3

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	60.25	58.46	20.4	31.5	N	2	S	1			
2	60.31	58.17	22.7	31.5	SSW	1	N	2			
3	60.02	58.57	22.1	32.1	SSW	1	N	3			
4	59.37	57.92	23.1	30.5	Calm		N	2	SE	SE	
5	58.99	58.07	23	31.6	S	1	N	2	SE		
6	59.89	58.70	21.7	30 7	S	1	N	3			
7	60.38	58.87	21.2	31	SSW	1	N	2			
8	60.15	58.52	22.4	31.4	Calm		N	3			
9	60.40	58.47	23.5	32.2	S	1	N	3			
10	60.97	59.13	23.4	31.8	SSW	1	NNW	3			0.3
11	61.20	59.27	23.2	31.5	Calm		N	3			
12	62.10	60.26	22.2	32.4	Calm		N	2			
13	62.40	60.31	21.4	31.1	Calm		N	3		SE	
14	61.70	59.09	23.5	32	SSW	1	N	3		SE	
15	60.32	58.22	22.8	31.1	S	1	N	2			
16	60.01	58.93	22.8	31.5	S	1	N	2			
17	60.21	58.63	24.5	32.5	Calm		N	2			
18	60.01	58.42	24.2	32.6	Calm		N	2			
19	59.79	58.23	22.7	32	S	1	N	2			
20	58.87	57.32	23.4	33.5	S	1	N	3		SE	
21	58.34	56.38	23	32.6	S	1	N	3	NE	NE	1.5
22	58.07	55.82	24.6	33.6	S	1	N	3		SE	
23	57.70	56.52	24.3	34.2	S	1	N	3	NNW	SE	
24	58.58	56.99	21.2	32.5	S	1	N	3		SE	
25	58.17	56.63	23.2	32.4	SSW	1	N	2	NNW	SE	
26	58.20	57.47	24.2	30.5	S	1	S	1	SE	SE	
27	59.13	58.18	24.6	28.4	Calm		N	2	SE	SE	
28	59.07	57.08	24.2	32.6	S	1	N	3			7.9
29	58.50	56.24	24.2	32	Calm		N	3	SE	SE	
30	57.47	55.99	23.6	31.5	Calm		N	3		SE	
Mean	59.69	58.03	23	31.8	0.7		2.5				
Total											9.7

CAGAYAN, MISAMIS.

[$\phi = 8°\ 29'$ N; $\lambda = 124°\ 38'$ E; barometer above sea, 13 meters; gravity correction not applied, —1.89 mm.]

MAY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.66	56.48	24.1	31.8	S 1	N 3	NE	NE	
2	57.65	56.18	25.4	33	Calm	N 2		SE	2.8
3	59.63	57.38	24.8	32.5	Calm	NNE 3	SE	NE	
4	60.18	58.14	24.6	31.8	S 1	N 3	NE		
5	59.92	58.08	22.5	30.1	S 1	N 2	NNW	NE	
6	59.07	57.23	23.7	31.6	Calm	Calm		NE	
7	59.13	57.87	23.5	31.5	SSW 1	N 3		NE	
8	59.48	57.85	22	31.1	S 1	N 3	NE	SE	
9	59.12	56.84	22.2	31.2	Calm	N 3	SE		
10	59.49	57.90	22.5	31.1	S 1	N 3			
11	59.84	57.74	22.8	31.4	Calm	N 1		SE	
12	59.52	57.63	24	31	Calm	N 3	NE	SE	
13	59.07	56.95	25	32	Calm	N 2		SE	
14	58.77	57.34	25.2	32.5	Calm	N 3	SE	SE	
15	58.79	57.38	24.2	32	S 1	N 2			
16	58.53	57.45	25	33	SSW 1	N 2			
17	58.36	56.93	25.1	33	Calm	N 3	NNW	SE	.3
18	58.38	57.39	24.2	32.4	S 1	N 2			
19	58.25	56.62	24.4	32.6	S 1	N 3		SE	
20	57.82	55.83	24.5	32	Calm	N 3		SE	
21	58.30	56.77	25.5	32	S 1	N 2		NE	
22	59.06	56.82	24.5	32.2	Calm	N 3			
23	58.88	56.57	24	32.7	S 1	N 3			1
24	58.55	56.88	24.1	30.5	S 1	N 1	SE		
25	58.27	55.61	24.2	32.5	SSW 1	N 3		NE	
26	58.40	55.88	24.4	32	S 1	N 3		NE	
27	58.05	56.38	24.9	33.6	S 1	N 3		NE	
28	58.10	57	25.8	33	S 1	N 2			
29	59.46	57.20	25.7	32.5	SSW 1	N 3			
30	58.99	57.51	25.6	30.3	Calm	NNE 1		NNW	.8
31	58.61	57.03	23.1	32.8	Calm	N 2		SE	12.4
Mean	58.82	57.06	24.2	32	0.6	2.4			
Total									17.3

JUNE.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Mean									
Total									

JULY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1									
2									
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17									
18									
19	57.09	55.49			SSE 1	N 2			50.8
20	58.13	56.19			Calm	N 1			
21	57.75	56.32			Calm	N 1			10.2
22	58.01	56.72			S 1	NE 1			
23	57.44	56.33			S 1	NE 2			
24	58.16	56.88			Calm	N 2			21.6
25	59.38	56.90			Calm	NE 2			2.3
26	57.85	56.61			W 1	Calm			32.5
27	56.66	54.95			S 1	N 2			4.1
28	56.44	55.74			Calm	Calm			
29	57.57	56.93			Calm	NNE 1	S		
30	58.73	57.12			S 1	SW 2			13.7
31	58.23	57.19			S 1	N 1			
Mean	57.80	56.41			0.5	1.3			
Total									135.2

AUGUST.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.06	56.53			Calm	N 1			2.5
2	57.53	57.24			SSW 1	N 1			28.4
3	59.69	57.67			Calm	N 1			3.3
4	59.01	57.44			S 1	N 2		NE	50.8
5	58.18	56.28			Calm	NE 1			
6	58.83	57.96			Calm	Calm			4.3
7	59.56	57.54			S 1	Calm			
8	59.04	57.15			Calm	N 2			13.7
9	58.41	56.34		29.5	Calm	N 2			
10	57.97	57.12	23.3	30.1	Calm	N 2			8.9
11	58.22	56.67	22.6	29.7	Calm	N 2			
12	58.03	56.63	23.3	29.9	Calm	N 1			3.6
13	57.68	56.12	23.3	31.2	Calm	N 1			8.9
14	58.23	56.34	22.3	30.5	Calm	N 1			
15	58.34	56.89	22.3	30.4	S 1	N 2			
16	58.56	56.92	22.9	28.7	S 1	N 2			
17	57.98	56.29	22.6	29.8	Calm	N 3			
18	57.98	56.30	22.1	29.4	S 2	N 1			27.2
19	57.58	56.09	23.3	30.7	S 1	N 3			
20	58.21	56.15	22.8	30.6	S 1	N 3			23.9
21	58.58	57.41	23.5	30.5	Calm	N 1			34
22	58.58	56.99	22.7	29.7	Calm	N 2			
23	59.14	56.09	23.6	29.1	Calm	N 1			2.3
24	57.92	57.14	23.7	30.5	Calm	N 2			
25	58.14	56.32	22.3	31.2	Calm	N 2			
26	57.73	55.19	22.7	32.1	Calm	N 2		SW	
27	56.51	54	22.9	33.5	Calm	S 3		SW	
28	56.31	54.66	23.6	34.1	Calm	S 2		SW	
29	57.56	55.97	24.1	28	Calm	N 2			
30	58.87	56.39	23.5	31.1	Calm	N 2			
31	56.94	54.37	23.6	31.5	Calm	NE 2			
Mean	58.17	56.46	23	30.5	0.3	1.7			
Total									212.6

This station was temporarily closed from June 1 to July 18.

CAGAYAN, MISAMIS.

[$\phi = 8°\ 29'$ N; $\lambda = 124°\ 38'$ E; barometer above sea, 13 meters; gravity correction not applied, —1.89 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	55.44	54.49	23.5	32	Calm	SW 3			
2	57.11	55.57	24.1	32.4	Calm	N 2			
3	57.41	55.92	23.2	33	Calm	N 3			
4	58.48	56.21	22.2	32.8	N 2	N 3			
5	57.33	56.70	23.8	29.9	Calm	N 2		NE	0.8
6	58.31	57.28	23.7	26.6	S 2	Calm	SW		60.4
7	57.18	56.11	22.6	25.5	Calm	S 1			8.6
8	57.55	57.02	21.8	30.5	Calm	N 2			9.1
9	58.95	57.45	21.7	30.6	S 2	NE 2			18
10	58.93	57.15	22.1	31.3	S 1	N 2			
11	58.44	56.55	22.9	31	Calm	NE 2			
12	58.18	56.12	23	31	Calm	NE 2		SW	.5
13	57.96	55.82	23	30.2	Calm	NNE 2		SW	
14	56.17	54.17	23.4	31.1	S 1	S 1	SW	SW	
15	54.72	53.40	24.5	30.4	Calm	SW 4	SW	SW	2.5
16	56.16	55.44	23.8	29.8	Calm	S 1		SW	
17	57.45	56.93	22.7	28.3	Calm	SW 1		NE	10.4
18	58.03	55.55	23.1	30.6	Calm	N 2		SW	
19	56.76	54.59	23.9	30.1	Calm	NW 3		NW	19.3
20	56.68	55.87	23.2	31.1	Calm	Calm			
21	58.14	56.79	23.5	28.9	Calm	Calm			
22	59.28	57.63	22.4	30.7	Calm	N 2			
23	59.76	57.79	23.1	31	Calm	N 2			1
24	59.06	57.06	23.9	26	Calm	Calm			9.1
25	58.04	56.14	23.9	29.7	Calm	N 2			21.8
26	57.48	55.93	23	27.5	Calm	S 2		SW	11.1
27	57.29	55.86	22.4	28.3	S 1	NE 1			
28	58.53	57.24	23.2	29.9	S 1	ENE 3			
29	58.54	57.66	22.6	28.5	S 2	Calm			4.6
30	58.53	56.04	23	30.9	S 1	N 2			9.4
31									
Mean	57.73	56.22	23.1	30	0.4	1.7			
Total									186.6

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.12	56.97	22.6	31	S 2	N 2			
2	59.66	58.25	23.4	29.6	S 1	N 2			1.0
3	60.12	57.79	22.3	30.5	Calm	N 1			.3
4	59.04	57.62	22.6	29.5	Calm	N 1			
5	58.52	57.07	23.4	29	S 1	N 1			
6	59.03	57.10	22	29.6	S 2	N 3		SW	52.3
7	60.44	59.11	22.9	24.7	S 1	Calm			20.8
8	60.35	58.12	22.4	29.6	S 2	N 1			
9	59.25	57.63	22.2	29.6	S 1	N 1			34.3
10	58.97	56.92	21.6	29.8	S 1	N 2		SW	6.6
11	58.07	56.38	21.9	30.2	S 1	Calm	SW		6.1
12	58.07	56.90	21.8	27.5	S 1	S 1		SW	4.8
13	58.14	56.15	23.2	28.1	Calm	S 1		SW	4.6
14	55.48	53.10	23.5	27.7	Calm	W 1		NW	50.8
15	52.80	50.90	23.5	26	SSW 3	SSW 4	SW	SW	6.1
16	54.20	54.59	24.9	29	S 5	S 1			5.4
17	57.58	56.28	22.9	31.9	Calm	NE 2			1.3
18	59.36	57.35	24	30.1	S 2	N 2			.3
19	59.47	57.12	23.4	30.2	S 1	N 2			
20	58.46	56.58	23	29.6	S 2	N 2			
21	58.71	57.27	22.6	30.2	S 1	NW 2			
22	58.56	56.82	23	30.3	S 1	N 2			
23	58.37	55.99	22.6	29.7	S 1	N 2			5.8
24	58.38	56.25	23.2	30.6	S 1	NE 2			
25	57.73	56.43	22.7	29.1	S 1	NE 2		E	4.1
26	57.80	56.80	21.6	30.1	S 3	N 1			
27	59.09	57.94	22.5	30.2	S 2	NE 2			
28	58.95	57.59	22	30	S 2	NW 3		NE	
29	58.23	56.87	23.1	29.7	S 2	NE 2			.3
30	59.07	57.42	22.1	30.2	S 2	NE 2			.3
31	59.87	58.20	23.4	30.6	Calm	N 2			10.4
Mean	58.42	56.76	22.8	29.5	1.4	1.7			
Total									215.6

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.71	57.62	23.4	27.7	Calm	Calm			18.3
2	59.23	57.36	23	29.6	SSW 1	NE 1	SW		38.1
3	59.58	57.44	21.4	29.2	S 2	NE 2			
4	58.50	56.93	21.9	29.5	Calm	NW 2			
5	57.87	57.81	23.2	26.5	S 2	Calm			25.7
6	55.85	54.94	22.1	28.7	Calm	NW 2			10.2
7	58.27	56.94	21.1	28.9	S 2	NW 1			.3
8	59.07	57.30	22.3	29.5	S 1	N 1			
9	58.24	56.03	21.4	29.2	S 1	WNW 2		NW	
10	57.78	56.19	21	28.8	S 2	N 2			
11	58.37	57.35	21.5	29.5	S 2	N 2			
12	59	57.33	21.1	29.4	S 2	N 2			
13	57.95	56.28	21.5	30	S 2	N 2			
14	57.84	56.53	22	30	S 1	N 2			
15	58.82	57.07	22	30.2	S 1	N 2			
16	58.47	56.90	21.6	30	S 1	N 2			
17	57.93	56.18	20.5	30.1	S 2	N 3			
18	57.28	55.65	22.9	30.2	S 1	N 1			
19	58.03	56.58	22	29.7	S 1	N 2			
20	57.89	56.37	22.2	30.5	Calm	N 1			
21	57.38	55.97	22.5	30	S 2	N 2			
22	57.53	56.17	23	30	S 1	N 2			1.5
23	57.07	55.51	23.6	26	S 1	Calm			3.8
24	55.83	54.79	24	24.6	Calm	Calm			4.3
25	53.06	54.60	23.2	27.2	S 1	N 1	SW		.8
26	58.15	56.21	21.5	29.5	S 1	N 2			
27	57.64	56.48	22.4	25.5	S 1	Calm	N		53.3
28	48.87	51.56	25.2	27.9	NNW 4	Calm	NNE		16.7
29	56.87	56.31	22.2	29.7	Calm	Calm			
30	58.75	57.98	22.5	29.1	S 2	Calm			
31									
Mean	57.56	56.35	22.3	28.9	1.2	1.3			
Total									173

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	60.45	59.56	22.2	28.5	S 1	N 2			
2	60.18	58.40	21	28.7	S 1	N 2			
3	59.14	57.67	21.8	24.4	S 1	N 2			
4	58.16	56.96	21.5	28.6	S 1	N 2			
5	58.61	57.35	20.5	29.2	S 2	N 2			
6	59.11	57.84	20.2	29	S 1	N 1			
7	59.70	57.67	21.2	30.2	S 1	NW 2			
8	59.05	58.15	22	29	S 1	NNW 3			
9	59.42	58.20	21.6	27.9	S 1	N 2			
10	58.84	57.55	21.6	29.2	S 1	NW 2			
11	58.54	57.34	21.9	30	S 2	N 1			1.8
12	58.82	58.61	21.8	26.1	S 1	Calm			
13	59.23	57.94	20.7	30	S 1	N 1			1.3
14	59.73	58.23	22.4	28.4	S 1	Calm			1
15	59.32	57.84	21.9	29.5	Calm	N 1			
16	58.87	57.04	23.3	29.6	S 1	N 1			
17	58.93	57.40	22.2	29.1	S 1	NNE 2			
18	58.53	57.57	22	28.5	S 1	NW 1			
19	58.88	57.46	17.5	29	S 2	N 2			
20	58.90	57.44	19	28.5	S 1	N 2			
21	58.40	57.20	21.4	28.6	Calm	NNW 2			
22	57.32	56.83	23.5	30.4	S 1	NNE 2			
23	59.10	57.98	22.1	28.2	S 2	N 2			
24	58.80	57.20	21.4	29.7	S 1	N 2			
25	58.80	57.55	21.2	28.5	S 2	NNW 1		N	1.5
26	58.82	57.41	21.5	29.9	S 1	N 2			
27	58.89	57.32	23.4	31.3	S 1	N 1			
28	59.70	58.29	19.4	29	S 2	N 2			
29	59.93	58.55	19.6	28.9	S 2	N 1			
30	59.90	58.30	20.5	30	SSW 2	NNE 2		NE	
31	58.58	56.98	23	30	S 1	NNW 2			
Mean	59.05	57.74	21.4	29	1.2	1.6			
Total									5.6

BUTUAN.

[$\phi = 8°\ 56'$ N; $\lambda = 125°\ 32'$ E; barometer above sea, 2 meters; gravity correction not applied, —1.88 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.57	57.83	23.1	26.2	E	2	W	1	E	E	2.1
2	60.04	59.06	21.9	28	SW	1	NNW	3	ENE	EbyN	-------
3	60.86	59.56	20.9	28.1	SE	2	SSW	2	------	EbyN	-------
4	61.29	59.99	21.6	28.3	ESE	1	ENE	3	EbyN	ENE	-------
5	60.98	58.73	20.7	27.5	S	1	N	2	E	E	.3
6	59.83	58.23	20.7	27.6	S	2	SE	3	------	E	-------
7	60.16	59.18	23.4	26.6	SE	2	Variable	2	EbyN	variable	1.8
8	61.27	59.08	18.2	26.7	Calm		NW	3	------	------	-------
9	60.79	59.37	19.2	26.6	E	1	E	2	------	SE	-------
10	61.58	59.84	21.5	28.3	ESE	1	S	2	------	E	-------
11	62.73	60.74	20.5	27.7	Variable	2	S	3	------	E	-------
12	62.30	59.73	21.7	28.4	S	4	ESE	5	EbyN	EbyN	9.1
13	61.78	60.34	22.9	27.4	ESE	1	NNW	2	EbyN	NE	2
14	62.16	60.75	20.1	25.9	NNW	1	NW	4	------	NE	-------
15	61.48	60.50	21.9	25.7	SE	1	NW	2	NE	NE	.6
16	62.19	61.63	23.1	25.2	Calm		W	1	ENE	-------	1.5
17	62.74	61.28	21.5	27	Variable	1	NNW	3	ENE	-------	5.8
18	62.27	61.02	22.7	26	SE	1	NW	3	ENE	variable	12
19	62.44	62.10	22.6	25.1	Calm		W	1	------	W	20.9
20	62.83	61.25	22	26.8	ESE	1	N	2	variable	------	3.3
21	62.04	61.37	22.6	25.1	E	1	N	2	------	NE	6.4
22	62.29	61.58	22.1	24.5	ENE	2	NW	3	N	NWbyW	3
23	62.04	60.83	20.6	26.9	E	1	NW	3	------	------	5.1
24	62.77	61.93	22.6	26.4	Calm		NW	2	NE	EbyN	1.5
25	62.55	61.21	22	27.8	S	4	S	2	------	E	-------
26	62.63	61.31	20.2	28.1	S	2	NNW	3	------	------	-------
27	63.23	62.32	20.1	24.4	ESE	1	Variable	1	NE	NW	7.4
28	63.13	61.36	22.1	26.7	Calm		NNW	3	E	------	-------
29	62.63	61.07	23.2	26.4	S	1	NNW	3	NNE	WNW	14
30	62.22	60.86	22.5	27.6	S	1	S	1	------	variable	-------
31	62.20	60.59	21	28.2	E	1	N	3	------	variable	-------
Mean	61.84	60.47	21.6	26.8		1.3		2.4	------	------	-------
Total	------	------	------	------	------		------		------	------	96.8

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	62.43	60.72	21.2	27.9	E	1	NNW	4	------	E	-------
2	61.99	60.46	20.2	28.5	Calm		NNW	4	------	------	15.5
3	62	60.31	22.8	27.7	E	1	NNW	4	E	------	1.3
4	61.79	60.94	22.5	26.7	Calm		NNW	3	------	EbyN	4.9
5	62.44	61.04	23.1	27.5	SE	2	W	2	ENE	ENE	15.5
6	62.67	61.79	23	26.7	E	1	WNW	3	ENE	E	3.8
7	63.43	61.83	21.6	27.3	E	1	NW	2	------	variable	-------
8	62.99	61.12	21.8	26.7	E	1	WNW	3	ENE	ENE	2.3
9	62.24	60.19	24	27.4	SE	1	NNE	4	ENE	E	3.3
10	61.15	59.69	22.6	26.5	S	2	W	2	ENE	E	6.9
11	60.99	59.78	22	28.2	ESE	1	S	3	------	E	-------
12	60.84	59.13	20.1	28.1	SE	1	NNW	3	------	------	-------
13	59.94	58.19	23.2	28.3	SE	1	NNW	4	NE	------	7.1
14	58.55	57.79	23.5	25.4	NNW	2	NNW	3	NNW	NNW	28.7
15	58.66	58.03	23.1	28.8	S	3	NNW	3	------	variable	3.8
16	59.99	58.53	24.5	29.5	ESE	2	WSW	1	E	E	4.3
17	60	59.11	24	27.1	ESE	2	NNW	3	E	variable	8.1
18	59.93	59.77	21.6	24.5	Variable	1	S	2	------	SW	11.2
19	60.52	59.34	22.8	28	Calm		NNW	3	N	NE	5.6
20	61.04	59.58	21.6	27	SE	3	SF	6	ENE	E	.5
21	61.20	60.44	23.6	27.2	S	4	E	3	EbyN	E	-------
22	60.94	59.37	23.5	28.5	SSE	3	E	3	E	E	-------
23	60.75	59.13	22	30.2	E	2	E	5	------	E	-------
24	59.93	58.39	21.5	28.3	SE	3	S	3	------	E	3
25	59.59	59.32	23.4	27.1	ESE	1	NW	2	E	E	4.8
26	59.68	58.70	23.2	27.6	S	2	N	1	ENE	ENE	1
27	59.80	57.95	22.8	28.7	SSE	3	NNE	3	ENE	E	2.8
28	59.48	58.76	23.6	25.5	ENE	1	WSW	1	EbyN	------	4.6
29	58.78	58.25	22.5	25.6	ENE	1	Calm		E	NE	11.6
Mean	60.82	59.57	22.6	27.5		1.6		2.9	------	------	-------
Total	------	------	------	------	------		------		------	------	150.6

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.33	58.48	21.1	27	SSE	2	NNW	2	E	E	1
2	60.50	59.41	22.6	28.4	ESE	1	SW	1	E	E	1.3
3	60.80	59.77	23.5	28.9	ESE	3	NNE	2	E	ENE	.3
4	60.99	60.13	22	26.2	ENE	1	SE	2	------	ENE	-------
5	60.18	58.88	22.2	27.1	ESE	1	NW	2	EbyN	E	6.1
6	60.92	59.97	23.4	25.9	Calm		NNW	3	NW	NNW	17.8
7	60.64	59.17	23.5	28.4	S	3	SSE	3	E	E	13.4
8	61.74	60.11	23.6	29.1	S	3	E	4	------	EbyN	-------
9	62.85	60.32	20.5	28.2	SSE	2	NW	3	ENE	E	-------
10	61.79	60.08	21.8	28.3	SSE	2	NE	1	E	E	.8
11	60.23	58.72	23	29	ESE	3	NNW	3	SSE	E	4.1
12	59.21	57.26	23.3	29.2	SSE	4	WNW	2	------	E	10.7
13	59.15	57.53	22	28.9	SE	1	NNW	3	EbyS	------	-------
14	60.08	59.46	24.4	29.5	SSE	3	S	2	SSE	E	-------
15	60.93	59.26	21.3	29	SE	2	NNW	4	------	ENE	-------
16	60.80	58.98	20.6	28.2	E	1	NNW	4	------	EbyN	-------
17	61.05	59.28	21.6	28.5	SE	2	NNW	4	------	E	-------
18	61.18	59.98	20.5	28.9	SSE	1	NNW	3	ENE	NE	-------
19	61.93	60.27	19.4	28.6	Calm		NNW	3	------	NEbyE	-------
20	61.80	60.78	18.4	25.8	NE	1	WSW	2	------	------	5.8
21	61.73	60.51	21.4	28.8	SE	1	N	3	E	E	.3
22	62.49	60.99	22.1	30.1	S	3	WSW	3	------	E	.3
23	62	60.21	23.5	30.5	S	3	NNW	3	------	E	-------
24	61.65	60.32	22.4	28.6	S	4	WNW	3	------	E	-------
25	62.79	60.63	23	29.7	S	2	NNW	3	NE	------	-------
26	62.85	60.49	20.9	27.5	S	3	SW	1	------	E	.3
27	61.60	60.24	23.4	25.2	S	3	NW	3	E	------	6.1
28	61.90	60.08	23.6	28.6	SSE	3	S	3	------	------	-------
29	61.17	60.69	22.6	27.3	SSE	3	E	3	------	------	3.3
30	61.34	60.02	23.6	29.7	S	2	NE	2	------	E	1.1
31	60.95	59.52	23.5	29.3	SE	2	NNW	2	------	E	-------
Mean	61.18	59.73	22.2	28.3		2.1		2.6	------	------	-------
Total	------	------	------	------	------		------		------	------	72.7

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	61.17	59.74	22.5	27.5	ESE	1	NW	1	ENE	------	0.3
2	60.89	59.45	23.5	29.4	SW	1	NNW	3	------	E	-------
3	61.20	59.27	21.6	30.3	ESE	2	NNW	2	------	E	1
4	60.48	59.02	23.2	27.6	E	1	SSE	2	EbyN	E	6.8
5	60.04	58.56	22.1	29.4	SSE	1	NNW	3	------	------	-------
6	60.53	59.18	22.6	28.8	SE	1	NNW	3	------	------	-------
7	61.05	59.46	21.5	29.1	Calm		NW	4	------	------	-------
8	61.25	59.01	22.4	29.6	E	1	NW	4	S	------	-------
9	61.10	59.67	23.9	27.4	E	1	SE	1	------	E	3.6
10	61.95	60.73	24.6	26.8	SE	1	W	1	------	------	26.4
11	62.12	60.46	23.8	30.5	SE	3	S	4	EbyN	ENE	1.8
12	63.35	61.05	22.5	31.7	SE	1	S	2	------	ENE	-------
13	63.43	61.57	21.7	29.9	S	3	N	2	------	E	9.7
14	62.50	60.91	23.9	27.6	S	4	S	1	------	E	.1
15	61.54	59.22	22.9	30.6	ESE	1	NNW	3	------	E	5.6
16	61.15	60.26	23	30	ESE	1	N	2	------	------	1
17	61.45	60.03	22.5	29.1	E	1	NNW	1	------	------	-------
18	61.22	59.55	24.1	29.7	ESE	2	S	3	------	E	.5
19	60.88	58.94	23.5	30.7	ESE	1	NNW	2	------	E	-------
20	59.75	58.67	23.9	30.5	NNE	1	NW	3	------	E	-------
21	59.39	57.60	23	31.8	S	1	SW	2	EbyN	E	3.8
22	59.43	57.45	25.2	31.4	SSE	3	E	3	EbyN	EbyN	-------
23	59.54	57.63	24.8	31.3	SSE	1	E	3	NEbyE	E	-------
24	59.57	58.92	23.1	26.7	ENE	1	N	2	------	N	4.3
25	59.33	57.63	24.5	31	SSE	2	S	2	------	E	-------
26	59.57	58.59	24.2	27.7	ENE	1	NW	2	E	WNW	3.3
27	59.63	58.31	24.7	31.9	SE	1	NW	3	------	SE	.1
28	59.61	58.16	25.1	29.1	SSE	3	NE	1	S	------	11.7
29	59.49	57.89	25.5	29.4	SSE	2	WSW	1	E	------	11.5
30	58.61	56.78	24.3	31.1	S	2	NW	3	S	E	6.1
31	------	------	------	------	------		------		------	------	-------
Mean	60.71	59.12	23.5	29.6		1.5		2.3	------	------	-------
Total	------	------	------	------	------		------		------	------	97.6

The barometric readings of this station seem to be too high by about 0.30 mm.

BUTUAN.

[$\phi = 8°\ 56'$ N; $\lambda = 125°\ 32'$ E; barometer above sea, 2 meters; gravity correction not applied, —1.88 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	58.64	57.12	24.1	30.6	ESE	1	NNW	4	------	E	------
2	58.91	58.23	23.8	26.5	SSE	1	S	1	------	------	17.5
3	60.77	58.96	23.5	29.6	ESE	1	WNW	1	EbyN	E	------
4	61.03	59.06	23.4	30.7	E	1	NW	3	------	------	------
5	60.65	58.77	22.6	29.8	ESE	1	NW	3	SE	------	------
6	59.65	57.70	23.6	31	E	1	NNW	3	------	------	------
7	60.04	58.02	24.5	31.6	SSE	3	NW	4	------	E	------
8	60.23	58.57	22.9	31.5	E	1	NNW	4	ESE	------	------
9	59.85	57.82	24.6	32.1	SSE	2	NNW	4	N	EbyN	------
10	60.37	58.40	22	31.3	ESE	1	NW	4	------	------	------
11	60.82	58.15	24	32.5	ESE	1	S	2	------	------	------
12	60.47	57.81	25	35	SSE	3	S	3	------	SE	------
13	59.46	58.71	25.3	31.5	SSE	2	NW	4	------	------	------
14	59.34	57.75	25.5	33.6	S	3	NNW	4	------	------	------
15	59.81	57.66	25.6	33.5	SSE	3	NW	3	------	E	------
16	59.49	57.49	25.6	35.2	S	3	S	2	------	------	------
17	59.17	58.01	26.4	29.3	SSE	2	N	1	------	E	------
18	59.31	57.87	25	33.1	E	2	S	2	------	------	1
19	59.28	57.25	24.7	32.8	E	1	NNW	4	------	E	------
20	58.72	56.65	25.6	31.9	E	1	NW	3	------	S	------
21	59.14	57.36	24.7	32.4	E	1	SSE	2	------	E	------
22	59.46	57.63	25.1	32.8	ESE	1	NNW	4	------	E	------
23	59.54	57.32	25.1	32	E	2	NNW	3	------	------	------
24	59.04	57.89	24	27.1	Calm		SE	1	NNW	------	1
25	58.59	56.55	23.6	29.9	SE	1	N	2	------	------	------
26	58.53	56.61	25.1	33.2	E	1	NNW	3	------	------	------
27	58.58	57.10	24	31.6	Calm		N	4	------	E	------
28	59.22	57.84	24.9	32.7	E	1	N	4	------	EbyS	------
29	59.94	57.69	25.4	33.4	SE	1	N	4	------	ESE	------
30	59.79	57.77	26.2	32.1	S	3	E	2	------	------	------
31	59.28	58.24	25.1	26.2	SSE	2	SSW	1	------	------	1
Mean	59.58	57.81	24.5	31.5	1.5		2.9		------	------	------
Total	------	------	------	------	------		------		------	------	20.5

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	59.19	57.09	25	33.2	SSE	3	SSW	3	SbyE	E	------
2	60.13	58.89	25	30.4	ENE	1	S	4	------	E	------
3	59.81	57.79	24.9	35.8	SSE	4	SE	4	SbyE	E	------
4	59.23	57	26	32	SSE	3	NE	2	------	EbyS	0.3
5	58.68	56.84	25.6	31.4	SSE	3	N	4	------	------	1.5
6	59.37	56.96	24.1	30.5	SSW	1	NNW	3	------	E	------
7	58.95	57.76	25.5	31.9	ESE	1	NNW	2	------	E	------
8	58.80	57.69	25.9	32.5	SSE	2	NNW	4	------	------	------
9	59.32	56.81	24.7	33.9	SSE	1	NW	4	------	E	------
10	59.73	57.83	26.1	29.1	SSE	2	NNE	4	------	E	4.3
11	59.41	58.32	24.8	30.3	S	1	NE	3	S	SE	23.9
12	59.75	58.20	24	30.6	S	3	NNW	3	S	S	------
13	59.95	58.07	23.8	33	S	2	NNW	3	------	------	------
14	60.05	57.71	24.1	33.3	S	3	S	4	S	E	17.3
15	59.67	57.16	24.5	32.4	E	1	E	3	------	E	4.6
16	58.38	56.64	25.3	32.2	S	3	NNW	4	------	------	14
17	58.37	57.44	23.6	27.5	Calm		S	3	------	------	------
18	59.17	57	25.1	32	SSE	2	NNW	3	------	------	------
19	58.93	56.62	25.5	32.2	SE	1	NNW	4	------	------	------
20	58.63	56.97	24.3	31.4	SSW	1	NNW	3	------	------	------
21	58.80	57.36	25	29.6	S	3	N	2	------	SE	------
22	59.47	57.35	24.9	30.6	Calm		NNW	2	------	S	1.8
23	59.44	56.94	24.6	32.1	SSW	2	S	3	------	E	------
24	58.58	56.47	23.5	33.1	E	1	NW	2	------	E	------
25	58.87	57.82	23	26.5	S	1	NNE	3	------	E	11.9
26	59.23	57.35	23.6	32.1	S	3	S	4	S	E	1.3
27	59.57	57.50	23.4	29.6	SE	1	NNW	3	SE	E	.5
28	58.60	57.41	23.3	31.6	S	2	NNW	3	------	S	.5
29	58.90	58.17	23.6	28.6	S	3	SE	1	------	E	.3
30	59.07	57.63	23.1	30.6	SE	1	NW	1	------	E	4.6
31	------	------	------	------	------		------		------	------	------
Mean	59.20	57.43	24.5	31.3	1.8		[illegible]		------	------	------
Total	------	------	------	------	------		------		------	------	86.8

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	58.49	57.31	25	27.5	S	3	N	1	------	------	------
2	58.49	58.15	24	27.4	S	1	N	1	------	NbyW	0.3
3	59.05	58.64	24.6	27.4	S	3	S	3	------	------	------
4	60.28	58.93	24	29.6	W	1	S	3	------	------	------
5	60.24	57.60	22.9	30.2	ESE	1	NE	3	------	E	6.9
6	58.83	57	24.5	28.3	Calm		S	2	N	------	5.1
7	58.32	55.78	24	31.3	S	2	ENE	1	------	NE	9.4
8	58.04	55.96	24	29.9	S	3	NNW	3	S	SSE	20.1
9	57.81	57.05	23.5	26	SSE	2	S	3	------	------	1.5
10	58.49	57.47	23.1	30	SE	3	S	2	------	SSE	------
11	58.82	56.72	23.6	32.5	S	3	NNW	2	------	NEbyN	------
12	58.24	56.49	23.1	31.8	Calm		N	3	NNW	E	------
13	57.68	56.41	24.2	31.9	SSE	1	NW	2	------	E	------
14	57.28	56.38	24.6	31.6	SSW	2	NW	3	------	S	19.8
15	58.77	56.54	23.6	28.2	Calm		SE	3	------	------	.5
16	58.46	57.26	22.9	29.1	Calm		WNW	2	------	------	11.9
17	58.09	56.78	24	29.3	S	1	NW	3	------	------	16.5
18	57.93	56.41	24.5	29.3	S	1	NW	3	------	NW	1.5
19	56.85	55.87	24.5	29.8	S	2	NNW	3	------	------	23.4
20	58.36	56.36	23.9	30	S	2	NNW	3	------	------	------
21	58.49	56.78	24	31.1	S	1	S	1	------	------	28.2
22	58.39	57.09	23.5	29.8	S	1	NE	2	------	------	------
23	57.75	56.51	24.7	31.2	S	2	NNW	3	------	------	------
24	58.20	57.08	24	30.5	ENE	1	N	3	NW	------	2.3
25	58.97	57.21	23.2	29.9	S	1	NNW	3	NW	------	1.8
26	58.01	57.16	24.1	26.1	Variable	1	N	2	NNW	NbyE	10.4
27	56.61	55.24	23.7	27.8	Variable	1	N	3	N	NW	7.8
28	56.31	55.84	23.4	29.6	SSE	1	NNW	2	------	------	6.4
29	58.22	57.14	24.5	31.8	SSE	3	S	1	------	W	2.5
30	59.24	57.31	24.6	30	SSE	4	N	1	SSE	WNW	------
31	58.45	57.26	24.2	31.5	S	3	N	2	------	W	1.5
Mean	58.30	56.89	23.9	29.7	1.6		2.3		------	------	------
Total	------	------	------	------	------		------		------	------	177.8

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	57.52	56.95	24.1	30.6	Variable	1	NNW	3	------	------	------
2	57.38	57.83	24.1	29.4	SSE	1	NNW	3	------	W	31.2
3	59.88	58.51	23.9	27	S	3	S	1	------	------	.3
4	59.35	58.02	24.1	29.3	SSE	1	NNW	4	------	NW	8.1
5	58.27	57.21	23.6	30.1	SSE	3	NNW	4	SSE	------	------
6	59.12	58.43	23.5	29.1	S	1	NNW	3	S	------	1.3
7	59.88	58.01	24.8	29.6	SE	2	NNW	4	------	------	11.7
8	59.12	57.54	23.5	29	Calm		NNW	3	------	NW	8.6
9	59.11	56.81	23.5	29.8	S	1	NW	2	------	------	------
10	58.60	57.66	23.5	30.1	S	1	NNW	4	N	ESE	------
11	57.75	57.06	23.5	30.6	SE	1	NNW	3	S	W	------
12	58.01	56.87	24.6	29.7	SSE	2	NNW	4	------	NbyE	.8
13	57.77	56.79	23.7	30.8	SSE	3	NW	4	------	WSW	------
14	58.38	57.01	24.3	32.2	S	3	NW	4	S	WbyS	------
15	58.59	57.35	23.8	29.7	S	1	NW	3	------	------	------
16	58.86	57.37	24.6	31.2	SE	3	NNW	4	------	E	7.9
17	58.10	57.01	23.5	28.9	S	2	NNW	2	------	NNW	------
18	58.29	56.98	23.5	29.1	S	2	NNW	3	Nbyw	NW	.5
19	57.90	56.67	23.1	29.5	SE	1	NNW	4	------	NW	------
20	58.38	56.91	24.7	30.5	SSE	3	NW	4	S	NW	.5
21	59.09	57.98	24.1	27.9	SSE	2	NNE	1	SSE	------	24.1
22	58.85	57.49	23.5	28.3	S	1	NNW	3	------	------	13
23	58.91	56.17	23.8	28.2	Variable	1	NNW	4	WSW	------	3
24	58.23	57.76	25	28.8	SE	2	NNW	3	W	------	------
25	58.05	56.46	24	30.2	SSE	2	NNW	4	------	------	------
26	57.40	55.55	23.9	30.3	S	2	NNW	3	------	WbyS	------
27	56.23	54.15	24.3	31	SSE	2	NNW	3	------	WbyS	------
28	55.88	54.81	24	30.8	SSE	3	NNW	3	------	WSW	1.5
29	57.45	56.02	23.6	31	S	2	NW	3	WSW	WbyS	2
30	57.77	56.56	24	29.6	SSE	2	NNW	3	------	------	------
31	56.46	54.40	24.5	30.6	S	1	N	3	------	------	------
Mean	58.21	56.91	24	29.8	1.8		3.2		------	------	------
Total	------	------	------	------	------		------		------	------	114.5

BUTUAN.

[$\phi = 8°\ 56'$ N; $\lambda = 125°\ 32'$ E; barometer above sea, 2 meters; gravity correction not applied, —1.88 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	54.74	54.78	24.5	30.3	S 3	N 3			
2	57.36	55.83	24.8	31.4	NNE 2	NNW 4		WbyS	
3	57.66	56.55	24	31.2	S 2	NNW 3			
4	58.58	56.50	24.1	31.1	S 2	S 1			
5	57.85	57.33	25.2	29.6	SE 2	WNW 3			
6	57.48	57.60	24.3	25.4	SW 1	E 1	NNW	NW	44.2
7	57.07	55.99	23.8	26.5	Variable 1	NE 2	NW		3.5
8	57.88	57.46	22.6	29.5	S 2	NNW 4		N	
9	59.03	58.02	24.4	29.7	S 3	NNW 4			
10	58.41	57.53	22.6	30.4	S 1	NNW 4			
11	58.45	56.88	23.6	30.1	S 3	NNW 4			
12	57.94	55.91	24.2	31.6	Variable 1	NNW 6			
13	57.34	55.51	24.5	30	S 2	NNW 4	W	W	
14	55.45	53.85	26	30.4	SW 1	NNW 3	W	W	
15	54.36	53.09	25	30.9	S 3	S 2	WbyS	WbyS	.5
16	56.69	55.02	24.5	30.6	S 3	E 1	WbyS	SW	.3
17	57.05	57.03	24	30.6	S 2	NNW 4		W	
18	57.19	55.09	23.5	31.3	S 1	NNW 7			
19	56.23	54.67	24.2	30.7	S 1	NNW 3			
20	56.46	55.75	25	29.6	SSE 3	NNW 2		WSW	
21	58.28	57.22	24.5	29.4	S 1	N 2	SW		
22	59.88	58.40	23.5	29.4	E 2	NNW 4	NW		
23	60.07	58.13	24.1	30.5	SE 2	NNW 4			
24	59.18	57.06	24.5	28.8	N 1	NNW 4	N	NNW	31.5
25	58.26	56.75	24.2	27.7	NNE 1	NNW 3			9.2
26	56.90	56.11	23.5	29.4	Variable 1	NNW 4	N	NbyW	
27	57.34	56.48	24.2	28.4	S 4	WSW 3	S	WbyS	
28	59.05	57.56	25	30	SE 2	NNW 3		E	
29	58.78	57.75	24.5	29.6	SSE 2	NNW 4	SSE		
30	58.84	56.58	25.1	30	SE 2	NW 4	SSE		
31									
Mean	57.66	56.41	24.3	29.8	1.9	3.3			
Total									89.2

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	59.25	57.81	22.8	31	SE 1	NNW 3			
2	59.83	58.30	23.6	30.4	S 2	NW 3		E	
3	60.25	58.56	23.3	29.5	S 2	NNW 3		E	0.3
4	59.35	58.02	24.3	29	S 2	NNW 4			
5	59.12	57.23	24.1	28.2	E 1	NNW 2			
6	59.06	57.63	24	28.7	SE 1	NNW 2	NNW	NNW	39.9
7	60.69	58.72	24.1	29.1	S 2	NNW 4	W	NW	
8	60.78	58.43	23.7	29.8	S 3	NNW 3	SW		
9	59.47	57.96	23.7	29	S 2	NW 2	SSE		
10	59.25	57.38	23.9	29.5	SSE 3	NNW 3	SSE		
11	58.25	56.62	24	29.8	ESE 1	N 2		E	
12	57.84	57.06	24.1	29.6	ESE 1	NNW 4	NNW	NNW	2.5
13	57.34	55.90	25.4	27.1	NNE 1	N 4	NW	NW	13
14	53.65	52.34	26.5	25.5	WNW 6	W 3	NW	NW	81
15	49.73	49.10	24.1	25.1	SW 3	SSE 2		WSW	22.6
16	55.26	54.56	23.5	27.1	SSE 4	SSE 4	SW	SW	.3
17	58.31	57.12	23.9	31.4	SSE 2	S 3			1
18	60.05	57.65	24.5	30.5	S 1	NNW 3	S		
19	59.59	58.24	23.1	26.6	Variable 1	NNW 1		NNW	1.3
20	58.84	57.02	24	28.7	SW 2	NNW 4		NNW	
21	59.09	57.67	24	29.4	SSE 2	NNW 3			
22	58.90	57.41	24.1	30	S 1	NNW 3			
23	58.76	56.62	23.7	29	Calm	N 3	NNW		11.9
24	58.75	56.72	24.6	29.5	SSE 1	N 4	WNW		
25	57.74	56.83	25.1	28.5	S 2	NNW 3	S	WSW	3.3
26	58.37	57.31	24.1	30.2	S 2	NW 2		S	
27	59.53	58.26	22.9	30.1	ESE 1	NNW 3		E	
28	59.83	58.23	23.5	28.6	SE 1	NNW 2		NNE	2.5
29	59.01	57.59	23	28.1	S 1	NNW 2	N		
30	59.52	57.88	23.4	30	S 2	NW 3			
31	60.15	58.43	22.1	29.3	Calm	NNW 3		E	45.5
Mean	58.57	57.05	23.9	29	1.7	2.9			
Total									225.1

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	59.26	57.76	23.6	26.6	Variable 1	ESE 1	WNW	WSW	9.4
2	60.12	57.69	23.9	29	SSE 3	WSW 3		E	.3
3	59.94	57.81	23	24	ESE 1	NNW 3		E	.3
4	59	57.32	23.5	29	ESE 1	W 3		NE	2.3
5	57.96	57.77	22.8	23.3	ENE 1	SW 1	ENE	NbyW	115.6
6	55.76	55.59	22.7	29	S 3	S 3	S		
7	59.02	57.78	24.1	27	SW 1	E 4	S		8.9
8	59.75	58.42	23.6	27.9	SSW 1	NNW 1	ENE		4.1
9	58.75	57.02	22.6	28.5	SSE 1	NNW 3		E	.8
10	58.36	56.93	23	28.7	SSE 1	N 2			1.5
11	59.14	57.96	22.4	29.5	SE 1	N 2		E	.3
12	59.38	57.86	23.3	29.7	E 1	SE 3	SEbyE	E	5.6
13	58.87	57.08	23.6	29.5	SSE 2	Variable 2	SSE	E	
14	58.56	57.17	22.6	30	E 1	NW 3			
15	59.58	57.56	23.9	30.3	E 1	NNW 3		E	
16	59.33	57.62	23.6	30	SE 2	S 2	SSE	E	
17	58.66	57.14	23.4	27.1	SE 1	WNW 1	SSE		1
18	58.44	56.68	24	28.4	E 1	N 1			1
19	58.52	56.83	23	29.1	E 1	WNW 4	WNW		
20	57.94	56.72	25.5	28.9	NW 1	NNW 4	NNW	NWbyN	1.3
21	57.49	56.41	23.1	29	S 1	NNW 4	NNW		
22	57.93	56.59	22.6	29	E 1	NNW 5		NW	2.5
23	57.55	55.67	24.1	25	E 1	NNW 1		N	22.1
24	54.74	53.56	25.2	24.6	W 1	WNW 2	NNW	WNW	31.2
25	53.81	55.09	24.3	26.8	SSE 1	WNW 5		NbyW	14.8
26	58.47	56.44	22.5	28.5	E 1	NW 3	NW		
27	57.62	56.01	23.8	25.6	WSW 1	NNW 2	NNE	NNW	122.9
28	52.47	53.54	24.5	28.1	E 2	ESE 3	ESE		3.3
29	57.65	57.19	23.5	27.5	S 3	WNW 3	SSW	SW	.3
30	59.53	57.99	24.1	29.6	E 2	NNW 3		W	8.4
31									
Mean	58.12	56.84	23.5	28	1.3	2.7			
Total									357.9

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	61.29	59.84	22.9	27.4	S 1	NNW 2			2.8
2	61	58.90	21.5	27.2	Calm	NNW 2		N	.8
3	59.16	57.25	23.5	27.3	N 1	NW 4	NNW	NW	.5
4	58.26	56.96	22.3	28.2	NNW 1	NW 6	wbyN		
5	58.82	57.70	21.5	27.9	S 2	NNW 3	SbyE		
6	59.68	58.19	19	29	Calm	NNW 3			
7	60.45	58.85	21.7	28.2	S 1	WNW 2		Nbyw	
8	59.70	58.92	21.9	27.3	Calm	NNW 3	N	Nbyw	
9	60.01	58.65	22	27.2	Calm	NW 2	Nbyw	wbyN	.5
10	59.67	58.27	24	27.1	S 2	SSW 2	ESE	ENE	2.3
11	60.08	58.94	23.1	26.3	ESE 1	W 1	ENE	EbyN	8.4
12	60.24	59.63	23	25.1	S 1	E 1	EbyN		2.5
13	60.22	59.41	22.8	25.5	ENE 1	W 2	E	E	12
14	60.72	59.53	22.6	25.7	NNW 1	SE 1	E	E	16
15	60.35	58.72	22.9	28	Calm	NNW 2	E	EbyN	
16	60.25	58.41	24	26.8	Variable 1	WNW 1	E	E	20.1
17	60.09	58.28	22.5	27.7	SSE 2	NNW 3		NE	
18	59.54	57.90	22	26.2	Calm	WNW 1			
19	59.15	57.96	18.6	27.4	S 1	NNW 3			
20	59.51	57.78	20.5	27.8	SE 1	NNW 3			
21	59.03	57.64	22	27.8	Calm	NNW 1		NNW	.8
22	59.32	57.64	23.1	29.2	Calm	N 2			5.3
23	60.83	58.99	24	27.1	SSE 1	N 2		EbyN	.8
24	59.69	58.15	23.1	28.7	SE 1	S 2	SSE	E	5.8
25	59.70	58.55	22.5	26.9	SE 1	SSE 2	ENE	E	7.1
26	60.23	58.47	22.4	28.5	SE 2	SE 4	E	EbyN	6.6
27	60.25	58.68	22.6	28.8	S 3	ESE 2		E	
28	60.68	58.85	22	29	S 1	S 3		E	
29	61.13	59.51	22	27	ENE 1	SE 2		EbyN	1.8
30	61.21	59.34	21.9	27.1	S 2	SW 1	SSE	ESE	4.1
31	59.95	58.07	23.4	28.3	S 2	ENE 1	E	E	2.3
Mean	60.01	58.52	22.3	27.5	1	2.2			
Total									100.5

DUMAGUETE.

[$\phi = 9° 18'$ N; $\lambda = 123° 19'$ E; barometer above sea, 7.7 meters; gravity correction not applied, —1.87 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	59.03	57.44	25.4	28.3	N	2	N	2	ENE	NE	.....
2	59.44	58.92	.....	27.8	NE	3	NE	3	NE	NE	.....
3	60.23	59.54	.....	27.1	NNE	3	NE	2	NE	ENE	1
4	60.62	59.87	23.9	27	N	1	NE	2	NE	ENE	2.5
5	60.23	58.74	23.8	28.1	NNW	2	NE	2	ENE	ENE	.....
6	59.30	58.53	.....	25.6	N	1	NE	2	NE	NE	.....
7	59.63	59.13	25.8?	27.1	NE	3	NE	4	ENE	ENE	3.7
8	60.65	59.03	21.8	28.2	NE	1	NbyE	3	NE	NE	1.3
9	60.37	59.24	23.4	28.1	NW	1	NE	1	NE	.....	.....
10	60.95	59.86	25.1	27.3	NE	2	NE	2	ENE	NE	.....
11	61.79	60.67	.....	27.3	NE	3	NE	2	NE	NE	.....
12	62	60.23	23.1	29.5	N	1	N	2	NE	.....	.....
13	61.40	60.41	24.4	26.8	N	2	NNE	2	NE	NE	4.3
14	61.82	60.23	24.3	27.8	N	2	N	4	NE	N	.....
15	61.02	60.24	24.4	28.6	N	1	N	3	NE	N	.....
16	62.09	61.17	23.8	29.2	NNW	1	N	2	ENE	NE	.....
17	61.89	61.31	24.2	27.6	N	1	N	2	NE	NE	.....
18	62.02	61.17	23.8	27.5	N	2	N	3	NE	NE	2.5
19	62.03	61.64	25	29.2	NNW	1	N	3	NE	NE	.....
20	62.44	61.27	23.3	28.7	NW	2	NNE	2	NE	NE	.8
21	61.78	61.36	23.8	27.4	N	2	N	2	NE	NNW	.....
22	62.20	60.92	22.2	28.1	NNW	1	NNE	2	NE	NE	.....
23	61.48	60.79	25.1	27.6	NNE	2	NE	2	NE	NE	.....
24	62.23	61.76	23.8	27.6	NNW	1	NE	1	NE	NE	.....
25	62.16	61.51	23	27.8	NW	1	NE	1	ENE	.....	.....
26	62.12	61.49	24.8	29	N	1	N	2	ENE	ENE	.....
27	63.02	61.65	22.8	29.7	N	2	N	2	NE	NE	.....
28	62.87	61.23	24.4	29.5	NW	1	NNE	3	ENE	NE	.....
29	62.08	60.81	24.6	29	N	1	N	3	NE	NE	.....
30	61.78	61.34	24.8	28.8	N	1	NE	2	NE	NE	.....
31	61.67	60.92	23.9	27.6	NW	1	ENE	2	NE	NE	.5
Mean	61.37	60.40	24	28		1.6		2.3	.....	.....	.....
Total	.....	.....	.....	.....	.....		.....		.....	.....	16.6

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	62.14	60.98	24.4	27.3	NW	1	ENE	1	NE	.....	.....
2	61.64	60.47	23.3	28.5	NW	1	NE	2	NNW	.....	3.6
3	61.44	60.20	24.8	28.7	N	2	NNE	2	NE	NE	.....
4	61.38	61.08	24.2	25.9	NNW	1	NNE	2	N	NE	2.8
5	61.97	61.77	25.5	24	NNE	4	NNE	2	NE	NE	6.3
6	62.55	61.77	25.6	28.9	NNE	3	N	2	NE	NE	.....
7	62.88	61.68	25.2	27.3	NNE	3	NE	4	NE	NE	.....
8	62.83	60.87	23	28.3	N	2	NE	2	NE	NE	.....
9	61.84	60.69	24.8	27.1	NNW	2	N	2	NE	NE	.....
10	60.78	59.62	24.2	26.5	NNW	1	N	2	NE	NE	.7
11	60.43	60.41	24.5	28.5	N	2	NNE	2	NE	NE	.....
12	60.68	59.13	26.2	27.9	NNE	3	NE	3	NE	NNE	.....
13	59.40	58.64	22.8	27.1	N	1	NNE	1	NE	NE	.....
14	58.85	57.56	24.8	29.6	NW	2	NNW	2	NE	NNE	.8
15	58.09	58.26	25.4	28.3	NW	1	NE	2	NE	NE	1.5
16	59.48	58.52	25.2	28.6	Calm		ENE	2	NE	NE	.....
17	59.50	58.73	24.8	28.7	NW	1	ENE	2	NE	.....	.....
18	59.43	58.95	25.6	29.6	NNW	1	NE	2	NE	.....	14.2
19	60	59.77	25.3	27.2	N	1	NEbyN	2	NE	NE	3.3
20	60.19	59.64	26.4?	29	NE	4	NE	3	E	E	.....
21	60.69	59.81	26.2	27.9	NE	4	NE	3	NE	NE	.....
22	60.52	59.67	25.6	27.8	NNE	3	NE	2	ENE	E	.....
23	60.07	59.27	25.1	28.1	N	2	NE	2	NE	.....	.....
24	59.53	58.13	25.6	27.6	NE	3	ENE	3	ENE	E	.....
25	59.10	59.36	25.7	27.4	NNE	1	NE	3	NE	NE	1.3
26	59.32	58.54	25.8	27.7	NNE	3	NNE	2	NE	NE	.....
27	59.50	58.02	26.2	27.9	NE	3	NE	2	ENE	ENE	.....
28	59.08	58.02	26.2	29	NNE	2	NNE	2	E	E	.....
29	58.30	58	25.1	24.1	N	2	NNE	2	NE	NE	8.9
30	.....	.....	.....	.....	.....		.....		.....	.....	.....
31	.....	.....	.....	.....	.....		.....		.....	.....	.....
Mean	60.40	59.57	25.1	27.7		2		2.2	.....	.....	.....
Total	.....	.....	.....	.....	.....		.....		.....	.....	43.4

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	59.05	58.68	25.9	29.1	NNE	3	NNE	2	NE	NE	.....
2	60.13	59.43	25.9	28.3	NE	3	NNE	2	ENE	NE	.....
3	60.48	59.75	26	29.8	NNW	1	NNE	2	.....	NE	.....
4	60.50	59.40	25.8	29.1	NNE	2	NNE	3	NE	NE	.....
5	59.79	58.79	22	28.3	NW	2	NNE	2	.....	NE	.....
6	60.17	59.63	24.8	28.1	NNW	2	NNE	2	.....	NE	2.5
7	60.52	59.28	24.5	28.3	NW	2	NE	2	NE	NE	1.3
8	60.92	60.30	25.1	28.1	NNW	1	NE	3	EbyN	NE	.....
9	62.18	60.58	23.5	27.4	NNW	2	NE	3	.....	ENE	.....
10	61.29	60.01	24.7	27.8	N	2	E	2	ENE	.....	.....
11	59.47	58.73	26.2	27.8	NE	3	ENE	2	NE	.....	.....
12	58.59	57.19	23.5	28.2	NW	1	ENE	2	.....	.....	.....
13	58.43	57.41	25.6	28.4	NNW	1	ENE	2	NE	.....	.....
14	59.26	59.32	25.2	27.8	NW	1	E	3	ENE	NE	.....
15	60.04	59.62	25.7	27.4	NNE	3	E	3	NE	NE	.....
16	60.13	59.21	25.5	28.2	NNE	3	NE	2	NE	NE	.....
17	60.22	59.77	25.2	27.8	NNE	2	ENE	2	NE	NE	.....
18	60.55	60.05	25.6	28.8	NNE	3	NEbyN	3	NE	NE	.....
19	61.22	60.22	25.8	27.6	NNE	3	ENE	3	NE	NE	.....
20	61.55	60.43	26.1	28.5	NNE	3	ENE	2	ENE	NE	.....
21	61.23	60.61	24.7	28.6	NNE	1	NNE	2	NE	NE	.....
22	61.86	60.61	26	28.2	NNE	1	NE	2	ENE	ENE	.....
23	61.44	60.22	26.4	27.8	NNE	3	NE	3	ENE	NE	.....
24	61.14	60.38	24.5	28.1	NNW	2	E	2	EbyN	E	.....
25	61.93	60.97	25.4	27.8	N	2	ENE	4	ENE	NE	.....
26	61.89	60.22	23	28.3	N	1	NE	2	NE	NE	.....
27	61.05	60.42	24.1	28	NNW	1	E	1	NE	NE	.....
28	61.11	60.36	26.1	28.6	N	2	ENE	2	ENE	.....	.....
29	60.71	60.41	26.4	28.5	NNE	3	E	2	.....	NE	.....
30	60.72	60.27	26.5	29.2	N	2	NNE	1	NE	NE	.....
31	60.56	59.88	26.3	28.8	NNE	4	NNE	2	NE	NE	.....
Mean	60.58	59.75	25.2	28.3		2.1		2.3	.....	.....	.....
Total	.....	.....	.....	.....	.....		.....		.....	.....	3.8

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	60.38	59.41	25	28.5	N	2	NE	3	NE	NE	.....
2	60.66	59.86	26.6	28.2	NNE	2	ENE	2	NE	NE	.....
3	60.68	59.66	24.1	28.2	NNW	2	ENE	2	NE	.....	.....
4	59.73	59.14	26.2	26.7	N	1	NE	2	NE	NE	.....
5	59.52	58.72	25.3	28.2	N	1	E	2	NE	NE	.....
6	59.92	58.90	24	28.5	N	1	E	2	NE	NE	.....
7	60.44	58.83	25.4	29.3	NNW	1	NE	1	N	.....	.....
8	60.46	59.07	26	28.6	N	1	NNE	1	NE	NE	.....
9	60.59	59.47	26.3	29.3	N	1	E	2	NE	NE	.....
10	60.91	60.18	27.4	29.3	NEbyE	2	E	2	ENE	NE	.....
11	61.33	60.58	26.9	28.9	NNW	2	ENE	2	NE	NE	.....
12	62.51	61.56	26.8	29.5	ENE	3	ENE	1	NE	NE	.....
13	62.66	61.58	25.3	29	N	1	E	2	NE	NE	.....
14	62.32	60.72	27	28.6	NNE	2	NEbyE	3	NE	NE	.....
15	61.04	59.75	26.9	29.2	NNE	3	NE	2	NE	NE	.....
16	60.67	60.32	25.2	28.5	NNW	2	NE	1	NE	.....	.....
17	61.03	60.02	25.2	29	NNW	1	NE	1	NE	.....	.....
18	60.79	59.72	25.9	29.7	NNW	1	NE	1	NE	NE	.....
19	60.28	59.27	27	28.6	NE	3	ENE	3	NE	NE	.....
20	59.32	58.72	27.5	29.3	NE	2	NE	1	NE	NE	.....
21	58.98	58.05	27	29.2	NNE	3	N	2	NE	ENE	.....
22	58.93	58.02	27	29.8	NNE	3	NNE	2	ENE	ENE	.....
23	58.93	57.71	27.3	29.1	NNE	3	NE	2	NE	NE	.....
24	59.08	58.04	26.9	28.8	NNE	3	NE	2	NE	.....	.....
25	58.75	57.78	27.5	29.3	NE	3	NE	2	ENE	NE	.....
26	59.36	58	27.3	30.1	NbyE	3	NNE	2	NE	E	.....
27	59.04	58.23	26.8	29.3	N	1	N	3	N	NNW	.....
28	59.16	57.82	27	29	N	1	ENE	2	NE	NE	0.5
29	58.79	57.58	27.9	29.1	NE	2	ENE	2	NE	NE	.....
30	57.85	56.81	27.5	29.1	NNE	3	NE	1	NE	.....	.....
31	.....	.....	.....	.....	.....		.....		.....	.....	.....
Mean	60.14	59.12	26.4	28.9		2		1.9	.....	.....	.....
Total	.....	.....	.....	.....	.....		.....		.....	.....	0.5

DUMAGUETE.

[$\phi = 9°\ 18'$ N; $\lambda = 123°\ 19'$ E; barometer above sea, 7.7 meters; gravity correction not applied, —1.87 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58	57.02	25.3	28.5	NW 1	ENE 1	NE	NE	-------
2	58.38	57.77	25.3	28.8	NNW 1	E 3	NE	------	-------
3	60.04	59.14	27.2	29.6	NE 3	NE 1	EbyN	NE	-------
4	60.42	59.03	25.1	28.4	NNW 1	NE 2	NE	------	-------
5	59.92	58.51	24.5	29	NW 1	E 1	E	WbyS	-------
6	58.94	57.63	24	29.5	NW 1	SE 2	------	------	-------
7	59.37	58.01	24.4	29.3	WNW 1	E 2	ENE	------	-------
8	59.44	57.99	24.8	31	WNW 1	S 3	------	W	-------
9	58.95	57.75	25.2	29.3	NW 1	E 2	NE	------	-------
10	59.46	58.53	26	28.4	NW 1	E 3	NE	------	-------
11	59.82	58.45	27.6?	29.1	NE 3	ENE 2	NE	NE	-------
12	59.82	58.02	27.8?	29.5	ENE 2	E 2	NE	SW	-------
13	58.83	57.25	24.8	29.8	WNW 1	E 2	------	------	-------
14	58.59	57.64	26.3	31.3	Calm	S 2	------	------	-------
15	58.86	57.72	26.3	29.8	NW 1	E 1	ENE	------	-------
16	58.60	57.84	26.1	30	WNW 1	SE 2	ENE	------	-------
17	58.70	57.21	26	30.8	NW 1	SE 2	NE	NE	-------
18	58.56	57.91	28.1	30.5	NE 2	NE 2	E	------	-------
19	58.62	57.30	28.6	29.6	NE 3	NE 2	NE	NE	-------
20	57.84	56.37	26.9	29.5	N 1	E 2	NE	------	-------
21	58.79	57.18	26.1	29.3	NW 1	E 2	NE	------	-------
22	58.93	57.40	26	30.8	NW 1	SE 2	SE	------	-------
23	58.94	56.96	25.6	30.8	NNW 1	ESE 2	SW	------	-------
24	58.54	56.92	26.6	30.8	NW 1	SE 2	NE	NE	-------
25	57.91	55.79	25.3	31.5	NNW 1	S 2	NE	------	-------
26	57.65	56.16	26.1	31.6	WNW 1	S 2	NE	SW	-------
27	57.80	56.31	26.8	32	Calm	SSE 2	------	ENE	-------
28	58.27	57.26	27	30.8	Calm	SE 1	E	E	-------
29	59.45	57.79	27.8	30.6	Calm	SE 1	E	ENE	-------
30	59.15	57.70	27.7	30.5	Calm	SE 1	ENE	NE	-------
31	58.55	56.75	25.8	30.7	Calm	SE 1	NE	E	11.7
Mean	58.88	57.53	26.2	30	1.1	1.8	------	------	-------
Total	------	------	------	------	------	------	------	------	11.7

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.72	57.42	27.2	29.9	Calm	E 2	NE	E	-------
2	59.08	58.27	------	30.5	NE 1	NE 2	NE	NE	-------
3	59.11	58.01	------	30.5	Calm	NE 1	NE	NE	3.6
4	58.12	56.70	28.2	30	NNW 1	NE 2	NE	NE	-------
5	58.29	56.76	27.2	31.6	Calm	S 2	NE	NE	-------
6	58.84	56.66	26	31.3	Calm	ESE 1	NE	NE	-------
7	58.42	57	27.3	31.2	Calm	S 3	NE	NE	-------
8	58.50	57.46	27	30.3	Calm	S 1	------	NE	-------
9	59.12	56.50	25.2	31.6	Calm	S 3	NE	NE	.8
10	59.81	56.82	26.8	30.2	Calm	SSE 1	NE	NE	83.5
11	58.38	58.13	24.2	29	Calm	NE 2	NE	NE	.7
12	59.19	57.70	26.3	31.6	Calm	S 3	NE	ENE	11.4
13	59.42	57.48	25.3	32.1	Calm	SSE 1	------	NE	-------
14	59.19	57.69	25.3	30.6	Calm	S 1	NE	NE	-------
15	58.44	56.81	26.1	30.2	Calm	E 2	NE	NE	-------
16	58.03	55.65	26.7	31	W 1	SSW 3	NE	NE	-------
17	57.39	56.50	26.3	31	Calm	S 3	NE	NE	-------
18	58.59	56.25	25.6	31.8	Calm	S 4	NE	NE	-------
19	58.27	55.58	26.6	32.9	Calm	SW 1	N	NE	-------
20	58.39	55.95	26.2	33.1	Calm	SSW 4	NE	NE	-------
21	58.12	56.41	25.6	32.1	Calm	S 3	NE	NE	-------
22	58.84	56.90	25.3	30.5	Calm	S 2	------	NE	-------
23	58.35	56.80	25.2	31.6	Calm	SSE 2	------	NE	-------
24	58.07	56.34	27.2	30.9	W 1	ESE 2	NE	NE	-------
25	58.18	56.55	25.6	------	Calm	SE 2	N	------	27.2
26	58.32	57.85	------	29.8	NW 1	SE 1	------	SW	-------
27	58.99	56.58	25.2	30.7	Calm	SSW 4	------	SW	-------
28	58.33	56.74	25	30.7	NW 1	S 4	------	SW	-------
29	57.96	57.55	24.8	27.9	W 1	S 1	SW	SW	-------
30	58.47	57.36	24.7	29.4	NW 1	E 2	NE	SW	-------
31	------	------	------	------	------	------	------	------	-------
Mean	58.56	56.95	26	30.8	0.3	2.2	------	------	-------
Total	------	------	------	------	------	------	------	------	127.2

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.86	56.87	25.1	29.5	Calm	ESE 1	E	SW	4
2	58.13	57.05	25	28.4	Calm	NNE 1	E	E	-------
3	58.47	57.92	24.6	28.8	Calm	SE 1	N	SW	21.3
4	59.47	58.52	24	29.5	Calm	NE 1	NE	N	21.6
5	59.86	57.57	24	29.7	NW 1	NE 1	N	------	7.4
6	58.37	56.94	24	29.6	W 1	ENE 1	------	N	11.2
7	57.48	55.55	24.5	29.3	W 1	E 2	NE	N	15.8
8	57.39	55.63	23.5	29.1	W 1	S 2	------	SSW	6.6
9	56.85	56.85	24	27	N 1	SSW 2	S	N	-------
10	57.67	57.06	24	29.8	Calm	SE 2	SW	SW	-------
11	58.30	57.20	24.7	30.2	WSW 1	NE 1	SE	------	.6
12	57.71	56.66	25	30	NNW 1	E 1	NE	------	-------
13	57.34	56.36	26.2	30	W 2	SSE 2	E	------	6.6
14	57.12	56.25	25.5	30.8	SSW 2	S 3	S	SSW	97.3
15	58.25	56.90	23	29	W 1	Calm	SE	SE	-------
16	58.03	56.97	24.8	29.9	Calm	S 1	S	NE	-------
17	57.70	57.01	24.6	27.2	W 1	Calm	SW	SW	2
18	57.26	55.70	25.1	28.6	WSW 1	ENE 2	W	SW	9.2
19	56.52	55.61	24.1	26.4	Calm	N 2	W	SW	23.3
20	57.65	56.51	24	28.7	Calm	N 2	SW	SW	4.7
21	57.38	55.87	23.7	30.7	W 1	SW 4	W	SW	-------
22	57.63	56.94	24.5	30.8	W 1	Calm	------	SW	-------
23	57.14	55.62	24.5	30.5	W 1	SSE 2	SW	NW	-------
24	57.63	56.39	25	30.7	SW 1	S 3	NW	NW	-------
25	58.53	57.33	26	29.3	N 1	S 2	N	NW	-------
26	57.28	56.32	24.2	29.4	W 1	S 2	------	NW	6.5
27	56.14	54.59	24.3	29.4	W 1	S 2	N	SW	8.1
28	55.85	55.69	24	27.5	Calm	SW 3	NE	SW	2.3
29	57.80	57.04	23	31.2	W 1	SSW 2	SW	SW	.5
30	58.18	56.69	23.9	32.5	WNW 1	SSW 3	SW	SW	-------
31	57.31	57.17	24.6	31.1	SSW 1	SSW 3	SW	WSW	-------
Mean	57.72	56.61	24.4	29.5	0.8	1.7	------	------	-------
Total	------	------	------	------	------	------	------	------	249

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.32	56.77	25.8	30	NNE 2	S 2	NE	SW	-------
2	57.38	57.33	24.4	30.4	NW 1	E 2	------	NW	-------
3	58.94	58.23	26.5	28.1	S 2	N 2	NW	SW	-------
4	59.17	57.60	23.6	28.1	W 1	SSE 1	SW	N	-------
5	57.82	56.37	24	28.2	SW 1	S 3	SW	SW	-------
6	58.69	57.76	23.6	28.8	SSW 1	S 2	------	SW	28.2
7	59.26	57.78	23.5	29.1	W 1	S 2	------	NW	.5
8	58.98	57.09	24.7	28.5	WNW 1	S 2	SE	NW	-------
9	57.79	56.45	24.7	30.8	W 1	NNE 2	SE	NW	.5
10	58.14	57.06	24	29.4	WNW 1	S 3	SW	SW	-------
11	57.63	56.79	23.1	30.5	W 1	E 2	SW	WbyS	1.1
12	58.14	56.27	25.2	30.5	N 1	S 2	SW	W	2
13	56.80	55.90	24.7	31.8	S 2	S 3	S	WSW	-------
14	57.51	56.53	26.7	32	S 2	S 4	W	WNW	-------
15	58.09	56.75	24	31.2	Calm	S 3	------	W	-------
16	58.28	56.57	24	29.4	W 1	SSW 3	------	WSW	8.6
17	57.77	56.04	23.5	30	W 1	S 3	------	------	4.6
18	57.38	56.23	23.7	29.5	NW 1	S 2	------	NNW	3
19	57.28	56.29	23.1	27	Calm	N 2	------	W	1
20	57.90	56.10	23.6	31.6	WNW 1	S 2	SE	SW	2.8
21	57.97	57.51	24.4	28.8	W 1	N 1	NW	SW	.5
22	58.35	57.09	24	29.5	WNW 1	SSE 2	------	W	20.1
23	58.42	56.12	23.6	28.2	W 1	SW 1	SW	SW	-------
24	57.98	57.19	24	29.6	Calm	S 1	SW	W	-------
25	57.51	56.28	25	30	W 1	SW 2	W	W	-------
26	56.89	55.17	25.2	30.4	Calm	SW 2	W	W	-------
27	55.57	54.35	27	30.2	SW 4	SW 5	SW	W	-------
28	55.67	54.53	27	31.4	SW 4	SW 5	SW	SW	-------
29	56.98	55.74	26.5	30.2	SW 2	SSW 3	W	SW	-------
30	57.29	56.24	25	31	Calm	S 1	W	W	-------
31	56.16	54.25	24.6	30.6	W 1	SSW 3	W	W	-------
Mean	57.71	56.46	24.6	29.8	1.2	2.4	------	------	-------
Total	------	------	------	------	------	------	------	------	72.9

DUMAGUETE.

[$\phi = 9°\ 18'$ N; $\lambda = 123°\ 19'$ E; barometer above sea, 7.7 meters; gravity correction not applied, —1.87 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.					*mm.*
1	54.67	54.34	27.2	31.7	SW 3	SSW 3	SW	W	3
2	56.37	55.19	24.6	31.4	SW 2	S 2	W	W	-------
3	56.34	55.89	26.8	32.3	SW 3	SSW 3	NW	WNW	-------
4	57.99	56.06	24	32.2	WSW 1	SSW 3	SW	W	-------
5	57.04	57.14	24.6	28.6	NW 1	SSW 1	-------	WNW	-------
6	57.56	56.92	25.5	28.8	NNW 1	S 2	NE	NW	80
7	56.89	56.18	23.4	24.8	SSE 1	S 2	NW	NW	9.4
8	56.99	57	24	29.3	NW 1	SSW 3	SW	W	.8
9	58.77	57.38	23.3	30.8	W 1	S 3	SW	W	-------
10	58.54	56.88	23.1	30.5	WNW 1	S 2	-------	W	-------
11	57.98	56.65	22.4	29.8	W 1	SSW 3	E	W	-------
12	57.68	56.34	23.6	29.6	Calm	NW 3	SW	W	-------
13	57.38	55.62	25.7	29.6	NNE 2	SSE 2	W	NW	8.5
14	55.27	54.24	26.5	26.2	S 2	S 2	W	W	8.9
15	53.76	53.24	24.6	27.4	NW 1	SSW 2	WSW	WSW	12
16	55.20	54.83	26.1	29.5	SE 3	SSW 2	SW	W	10.7
17	57.02	56.26	26.7	30	S 3	E 2	SWbyW	W	-------
18	56.97	55.50	24.7	29.4	WSW 1	ENE 2	W	W	1.3
19	55.87	54.45	24.3	28.8	Calm	SSE 2	W	W	8.9
20	56.42	55.96	24.5	26.7	Calm	NE 3	SW	SW	-------
21	57.74	56.55	26.7	31.4	NNE 1	S 1	WSW	SW	-------
22	59.18	57.80	22.8	31	W 1	SSE 2	-------	SW	-------
23	59.58	58.26	24.7	24.1	Calm	NW 1	NW	W	17.2
24	58.83	56.90	23	29.6	NW 1	S 2	S	N	-------
25	57.73	56	23.7	29.6	NW 1	S 2	SW	W	-------
26	56.89	55.75	23.3	29.2	W 1	NE 2	-------	SW	-------
27	56.87	55.77	23.7	31.9	W 1	S 3	SW	SW	-------
28	58.29	56.85	26.7	29.4	S 2	NNE 2	SW	SW	5.1
29	58.42	57.07	23.2	30.6	Calm	SSE 2	W	SW	-------
30	57.99	56.48	23.2	32.2	W 1	NE 2	W	W	-------
31	-------	-------	-------	-------	-------	-------	-------	-------	-------
Mean	57.21	56.12	24.6	29.5	1.2	2.2	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	165.8

OCTOBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.					*mm.*
1	58.93	56.80	24.8	31.9	W 1	SSE 2	SW	W	-------
2	59.37	58.59	24	29.6	W 1	NE 2	-------	W	-------
3	60.06	58.33	23.3	29.8	W 1	S 2	-------	WNW	-------
4	59.10	58	23.7	29.1	WNW 1	S 2	-------	NW	2.9
5	58.62	57.15	23.7	28.1	WNW 1	S 1	WSW	NW	-------
6	58.58	56.73	23.3	30.7	W 1	S 2	SW	SW	1
7	60.11	59.21	24.3	25.4	Calm	S 1	W	W	2.3
8	60	58.09	23.7	29.1	Calm	ENE 2	W	WbyN	-------
9	58.79	57.58	23.8	27.7	W 1	NE 1	SW	W	.5
10	58.22	56.83	24	28.5	S 1	NNE 2	SW	SW	2.8
11	57.59	56.24	25.2	28.8	N 2	SSW 3	SW	SW	-------
12	57.62	56.70	23.8	29.9	W 1	NE 2	WNW	WSW	-------
13	57.70	56.19	24.5	26.7	NW 1	N 1	-------	W	-------
14	55.66	53.43	24.3	30.3	NNW 1	SSE 2	-------	W	20.4
15	53.17	50.99	25.8	26	NNW 2	N 2	N	-------	19.8
16	51.67	52.67	24.2	28.2	SSW 3	SSW 2	WSW	WSW	18
17	56.99	57.11	25.8	28.9	SSW 4	NNE 2	SW	SW	1
18	59.24	57.92	23.8	29	Calm	S 1	SW	W	14.5
19	59.71	57.52	25.2	29.7	NW 1	N 2	NE	NE	2
20	58.37	56.81	24.7	29	N 1	NNE 2	NE	NE	11.9
21	58.88	57.44	24.2	29.5	NNW 1	NNE 1	E	SW	-------
22	58.50	57.07	24.5	29.9	N 1	SSE 1	E	W	-------
23	58.27	56.40	23.9	30	NNW 1	NW 1	NE	NE	-------
24	58.54	56.34	23.5	30.2	NW 1	S 2	NW	NW	-------
25	57.24	56.83	24.1	28.1	W 1	Calm	W	W	3.8
26	57.39	56.63	23.1	30	NNW 1	NNW 1	SW	SW	-------
27	58.72	58.30	23.2	29.8	W 1	SE 2	-------	SW	-------
28	59.14	58.40	24.4	29.3	NW 1	E 2	NE	-------	-------
29	58.33	57.41	24.1	28.8	WNW 1	NNE 2	NE	NE	-------
30	58.84	57.65	23.5	29.8	W 2	SSE 2	NE	SW	10.9
31	59.77	58.70	23.6	29.8	W 1	SE 1	NE	NW	-------
Mean	58.17	56.91	24.1	29.1	1.2	1.6	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	111.8

NOVEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.					*mm.*
1	59.27	57.47	24.8	26.5	NW 1	Calm	NE	SW	8
2	58.60	57.58	24.3	28.4	SSW 2	NNE 2	SW	SW	-------
3	59.47	57.79	24	29.6	Calm	ESE 1	SW	SW	-------
4	58.63	57.46	24	29	W 1	NE 2	N	N	-------
5	58.48	57.93	25.8	26.4	NW 1	NW 1	NE	ENE	42.7
6	54.51	54.35	23	24.8	Calm	SSW 4	N	NW	10.9
7	58.31	57.80	23	28.9	W 1	N 1	SW	-------	-------
8	59.07	58.28	25	28.8	N 1	NNE 2	NE	NE	1.8
9	58.32	57.01	23.9	28.2	NW 1	NNE 3	NE	NE	-------
10	57.64	57.05	25	28.3	NNW 1	N 2	ENE	NbyE	-------
11	58.68	58.10	27.4	29.8	NNE 3	NNE 2	NE	NNE	-------
12	58.92	57.60	24.8	29.8	NNW 1	NNE 2	-------	NNE	-------
13	58.02	57.10	27.5	29.2	NNE 3	NNE 2	ENE	NE	-------
14	57.85	57.29	24.5	29.6	NW 1	NE 2	NE	NE	-------
15	58.82	57.81	24.9	29.3	NW 1	N 1	NE	NE	-------
16	58.48	57.80	24.7	29.8	WNW 1	NE 2	NE	ENE	-------
17	58.22	57.06	27.5	29	NNE 2	NE 2	NE	NE	-------
18	58.18	56.81	27.7	28.9	N 3	NNE 2	NE	NE	-------
19	58.12	56.61	24.6	29.7	WSW 1	NNE 2	NE	-------	-------
20	57.62	56.36	24.4	30.7	Calm	NNW 3	NE	N	-------
21	57.26	56.16	24.5	30.6	WNW 1	ESE 1	NE	NW	-------
22	57.39	56.37	25.6	29.4	NW 2	N 3	N	NNW	-------
23	57.19	55.61	25.2	28	NW 3	NNW 2	N	N	-------
24	55.67	54.31	23.9	28.2	Calm	SSE 1	N	N	19.3
25	51.86	53.94	26.2	28	NNE 1	NbyW 3	W	SW	3.8
26	58.06	56.32	23.1	29.2	NW 1	ENE 1	SW	-------	-------
27	57.89	56.55	24.5	29.1	NW 2	NNW 2	NE	NE	54.6
28	52.90	50.09	24.5	-----	NNW 3	ESE 9	NNW	SE	71.6
29	56.20	56.53	-----	28.3	S 2	SE 2	SW	SSW	-------
30	58.93	58.32	25	28.4	Calm	Calm	SW	WSW	42.7
31	-------	-------	-------	-------	-------	-------	-------	-------	-------
Mean	57.62	56.65	24.9	28.8	1.3	2.1	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	255.4

DECEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.					*mm.*
1	60.98	59.81	24.2	27.7	ENE 2	ESE 1	NE	NE	1.5
2	60.28	58.62	22.9	29.2	NNW 1	N 3	NE	NE	-------
3	59.07	57.30	24.2	28.6	NNW 1	NNE 1	NNE	-------	-------
4	57.99	56.51	22.6	30.9	WNW 1	NNW 1	WNW	NW	-------
5	58	57.02	21.8	29.5	NW 1	SE 1	-------	SW	-------
6	58.74	57.81	21.3	29.5	WNW 1	E 1	E	WSW	2
7	59.64	58.91	24	28	WNW 2	NNW 2	N	N	-------
8	59.40	58.65	25	28.2	NW 1	NNE 3	NE	-------	-------
9	59.39	58.53	24	27.4	NW 2	NNW 3	NE	N	3.6
10	59.20	58.49	24.9	27.3	NW 2	NNE 4	NE	NE	-------
11	59.24	58.51	26.1	27.9	NNE 3	NNE 3	ENE	NE	-------
12	59.15	58.90	25.3	28.4	N 2	NNE 2	NE	NE	-------
13	59.50	59.07	25.7	28.2	NW 1	NE 3	NE	NE	2.5
14	60	59.35	25.4	28.2	NW 2	NE 3	NE	ENE	-------
15	59.57	58.62	26.8	28.7	NE 3	N 2	NE	NNE	-------
16	59.38	58.48	25	28	NW 2	NNE 3	NE	ENE	-------
17	59.64	58.15	25.4	29	NNW 2	NNE 2	NE	NE	4.1
18	58.99	57.75	24.4	27.8	NW 1	NNE 2	NE	NE	-------
19	58.71	57.56	21.4	29.3	WNW 1	SE 1	-------	NW	-------
20	58.49	57.67	22.2	29	WNW 1	NNE 2	ENE	NE	-------
21	58.18	57.45	24	28.5	W 1	NbyE 2	NE	NE	1.3
22	58.58	57.73	25.3	29	NW 2	N 2	NE	NE	-------
23	59.38	58.83	25.6	27.2	NW 2	NNW 2	ENE	NE	25.9
24	59.10	58.42	22.9	27.8	W 1	NNE 2	NE	ENE	.5
25	59.10	58.66	26.5	27.4	NNE 2	N 3	NE	NE	4.6
26	59.47	58.29	25.6	27.6	NNE 2	NE 2	NE	NE	2.5
27	59.59	58.86	24.5	28.7	NNE 1	NNE 2	NE	NE	-------
28	59.95	58.76	24	29.2	NW 1	N 1	NE	NE	-------
29	60.10	59.80	25.3	27.2	NNE 2	NE 3	NE	NE	.8
30	60.30	59.44	25.9	27.4	N 2	NNE 2	NE	NE	.9
31	59.27	58.22	26.1	27.7	NNW 1	NNE 3	ENE	NE	-------
Mean	59.30	58.39	24.5	28.3	1.6	2.2	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	50.2

YAP, (WESTERN CAROLINES).

[$\phi = 9°\ 29'$ N; $\lambda = 138°\ 08'$ E; barometer above sea, 31.85 meters; gravity correction not applied, —1.87 mm.]

JANUARY.[a]

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1									
2									
3									
4									
5									
6									
7									
8									
9		58.01		27.7		NE 2		NNE	
10	59.98	58.77	24.3	28.1	NNE 2	NNE 3	E	ENE	
11	60.35	58.82	24.6	29	NNE 2	NbyE 3	NbyE	NNE	
12	59.56	58.67	26	25	N 3	NE 4	NE	NNE	3.3
13	59.22	58.60	26	27.8	NNE 3	NNE 2	NE	ENE	1
14	59.97	58.46	25.2	28.9	ENE 2	ENE 2	NbyE	NE	
15	59.91	58.94	25.4	28	NbyE 2	NE 3	NE	ENE	.3
16	60.62	60.04	24.5	27.6	NNE 1	NE 2	NE	ENE	
17	60.72	59.90	25	28.4	NNE 1	NNE 2	NE	NE	
18	61.17	60.36	25	28.1	NNE 2	NE 3	NE	ENE	
19	60.77	59.30	25	28.1	NNE 1	NbyE 2	NE	NE	
20	60.25	58.64	24.8	27.9	NNE 1	NbyE 3	NE	NE	9.9
21	59.68	58.53	23	27.5	N 2	NbyE 3	NE	NE	1.5
22	60.19	59.37	24.6	28.1	NNE 2	ENE 4	NE	NE	
23	61.07	59.74	23.6	28	NNE 1	NEbyE 3	ENE	ENE	
24	61.07	60.36	25	27.9	NNE 2	NbyE 3	NE	NE	
25	60.72	59.71	24.6	28	NNE 2	NbyE 2	NE	NNE	
26	59.87	59.36	24.6	27	NNE 2	NbyE 2	NEbyE	ENE	1.5
27	61.32	59.97	25	27.6	NNE 2	NEbyN 2	NE	NE	
28	61.02	59.83	24.9	27.6	NNE 2	NNE 2	NE	NE	1.8
29	59.88	58.97	24.6	28	NNE 1	NE 2	NEbyE	NNE	6.1
30	59.70	58.94	22.6	27.2	Calm	NNE 2	E	ENE	26.9
31	60.08	59.20	25.7	27.6	NNE 3	NNE 3	ENE	NE	
Mean	60.32	59.24	24.7	27.8	1.8	2.6			
Total									[b]65.8

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	60.32	59.95	26	27.7	NE 3	NNE 1		ENE	0.8
2	60.33	59.47	25.5	27.7	NNE 2	NE 3	NE	E	.5
3	60.24	59	25.1	26.6	Calm	NNE 2	ENE	ENE	3.6
4	61.15	59.66	24.1	27.1	NNE 2	NNE 3	ENE	ENE	1.6
5	60.57	59.90	25.1	28	NNE 2	NNE 2	NE	NE	1.3
6	60.75	59.70	25	27.8	NNE 2	NNE 3	NE	ENE	1.6
7	60.86	60.11	25	28.1	N 2	NE 3	NE	NE	
8	60.51	59.21	25.6	28.3	NNE 2	N 3	NE	NE	
9	60.64	59.04	25.5	28.1	NNE 3	N 4	NE	NE	1.5
10	60.25	58.62	24	27.8	NE 1	N 2	E		1.8
11	58.73	58.03	25.5	26	NNE 2	NbyE 2	NE	NE	4.3
12	57.79	56.54	25.2	29.4	NNE 1	E 2	NE	ESE	22.1
13	57.63	57.29	26	28.1	ENE 3	E 3	E	E	
14	58.41	58.21	25.8	28.3	ENE 3	ENE 3	E	NE	
15	58.94	58.64	25.8	26.5	ENE 3	SE 3	ESE	ESE	19.4
16	59.87	59.01	25.5	29	NNE 2	NE 2	ENE	ENE	1
17	59.02	58.62	25.5	28.7	NE 3	NNE 3	NEbyE	ENE	
18	59.15	58.23	24	28	NE 1	ENE 3	ENE	ENE	
19	59.21	58.51	25.5	27.9	N 2	N 3	NE	NE	
20	60.17	59.09	25.3	28.5	NE 2	ENE 4	NE	NE	
21	60.51	59.15	25.5	28	N 2	NE 5	NE	NE	
22	60.01	58.71	25.7	28.8	NE 4	NEbyN 3	ENE		
23	59.96	58.16	25.6	27.9	NNE 3	NNE 2	ENE	NE	
24	59.04	57.69	25.3	27.5	NNE 2	NE 3	ENE	ENE	
25	58.43	57.76	25.5	28.1	NNE 2	NE 3	ENE	ENE	
26	58.02	57.60	25.6	29	NE 3	NE 3	ENE	ENE	2.5
27	58.51	56.81	23.8	27.2	NE 2	NE 3	ENE	ENE	2.8
28	57.51	56.71	25.2	28.6	NE 3	ENE 3	ENE	E	.3
29	57.81	56.86	26	28.2	NE 3	NE 3	E	ENE	.8
30									
31									
Mean	59.46	58.51	25.3	28	2.2	2.8			
Total									65.9

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.17	57.21	25.9	28.1	NE 2	ENE 3	ENE	ENE	1
2	58.66	58.01	25.3	28.1	NE 2	NE 2	ENE	NEbyE	.5
3	59.31	58.06	25.3	28.3	NNE 2	NNE 2	ENE	NE	2
4	58.66	57.91	25.7	28.4	NE 2	NE 3	NE	ENE	1
5	58.66	58.11	26	28.6	NbyE 2	ENE 3	ENE	ENE	.8
6	59.52	59.06	26	28.5	NNE 2	NE 3	NE	ENE	
7	60.98	59.69	25.8	28.2	N 2	NE 2	ENE	ENE	
8	60.74	59.20	25.5	28.8	ENE 2	NE 2	ENE	ENE	
9	60.62	59.22	25.6	26.4	Calm	ENE 2	N	ENE	.3
10	60.88	59.75	25.4	27.7	NE 3	NE 2	ENE	NE	
11	59.79	58.30	25.3	28.1	NbyE 2	NE 3	NE	ENE	
12	58.83	58.36	25.7	30	ENE 2	NE 3	E	E	
13	58.55	58.07	23.5	29.7	Calm	N 2	ENE	NE	2.8
14	58.82	58.11	25.1	28.1	N 2	N 2	NEbyE	ENE	.5
15	59.63	58.65	23.5	29.5	Calm	NNE 2	ENE	E	
16	58.75	58	25	28.5	NE 2	NE 3	E		
17	58.72	58.30	25.5	28.7	NE 3	N 2	NE	NE	
18	59.16	58.85	25.5	28.8	NE 2	NNE 3	NEbyE	NEbyE	
19	59.29	59.10	24.8	28.1	NE 2	NNE 3	NE	NE	.3
20	59.74	59.22	26	28.5	NNE 3	NE 4	NE	ENE	
21	60.66	59.76	25.5	28.5	NbyE 2	N 2	ENE	ENE	
22	61.24	59.79	25.6	28	NbyE 2	N 3	ENE	ENE	1.3
23	59.84	59.15	25.5	27.1	NNE 2	NE 4	ENE	ENE	
24	59.87	59.46	24.2	26.5	NNE 2	N 2	NEbyE	NE	5.1
25	61.37	59.77	23.5	28.1	N 2	N 3	ENE	ENE	.6
26	60.59	59.40	24	28.5	NNE 2	NNE 3	NE	ENE	1
27	60.14	59.34	25.5	29	NE 2	NE 3	ENE	ENE	.8
28	60.56	59.47	26	28.5	NE 3	N 3	ENE	ENE	.8
29	60.24	59.07	26	29.2	N 2	NE 3	ENE	ENE	
30	60.02	58.85	26.3	28.5	NNE 3	NNE 3	ENE	ENE	2
31	59.16	58.47	25.5	25	N 2	NE 2	ENE		5.8
Mean	59.72	58.83	25.3	28.3	2	2.6			
Total									26.6

APRIL

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.64	57.30	26	29.5	NE 2	NE 3	NE	NE	1.3
2	58.09	57.81	26	27.6	N 2	ENE 3	NE	ENE	7.1
3	59.26	57.61	25.8	29.2	N 2	NE 2	NE	NE	.5
4	57.37	54.84	26.2	25.1	NbyE 3	N 4	NE	ENE	19.6
5	57.06	57.31	27	29.7	ESE 4	ESE 2	SSE	SE	2
6	59.12	59.55	25.8	27.5	ESE 2	ENE 3	SE	SE	8.2
7	59.96	59.27	25.7	29.3	NE 3	E 3	ENE	E	
8	60.33	59.27	24.6	28.3	Calm	NE 3	E	E	
9	60.39	59.66	25.8	29.5	NE 2	NEbyE 3	ENE	E	
10	61.34	60.11	25.1	28	NE 2	ENE 3	NE	NE	
11	61.24	60.14	26.5	28.7	NE 2	NNE 3	ENE	ENE	
12	61.56	61.22	25.2	29.7	Calm	ENE 2	ENE	ENE	1.3
13	62.26	61.18	26	27.7	N 2	NE 2	NE	NE	.3
14	61.47	60.35	26.5	28.6	NE 2	NE 3	ENE	NE	.8
15	60.18	59.06	26	28.1	NE 2	ENE 3	ENE	ENE	1.3
16	59.79	59.26	25.5	29.1	NE 2	NE 3	NEbyE	NE	2.3
17	59.94	58.91	26	28.6	NE 2	NE 3	NE	NE	2.8
18	59.89	58.66	26.3	29.8	NE 2	NE 3	ENE	ENE	
19	59.48	58.72	26.5	28.2	NE 3	NE 3	NE	NE	5.6
20	58.21	58.14	26.6	29.4	NE 3	NE 3	ENE	ENE	
21	58.60	58.09	26.9	29.1	NE 3	ENE 3	ENE	E	2.8
22	58.42	57.84	26.2	29.1	NE 2	NEbyE 3	ENE	ENE	
23	58.52	57.42	26.3	28.5	N 2	ENE 3	NE	E	1
24	58.74	58.12	25.3	28.5	NE 2	N 2	ENE	E	11.7
25	58.96	58.10	24.1	28.8	Calm	NEbyE 2	ENE	E	10.2
26	58.89	57.92	25.6	28.8	Calm	ENE 3	ENE	ENE	
27	59.16	58.64	25.8	30.2	Calm	NNE 2	ENE	ENE	
28	59.09	58.35	26.1	28	NE 2	NE 2	ENE	ENE	
29	58.61	57.87	26.5	28.4	NE 2	NNE 2	NEbyE	NE	.5
30	57.37	56.97	26.2	28.6	NE 2	NNE 3	NEbyE	ENE	
Mean	59.40	58.59	25.9	28.7	1.9	2.7			
Total									79.3

[a] This station was temporarily closed from January 1 to 9, 6 a. m.

[b] 22 days of observation.

YAP (WESTERN CAROLINES).

[$\phi = 9°\ 29'$ N; $\lambda = 138°\ 08'$ E; barometer above sea, 31.85 meters; gravity correction not applied, —1.87 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	57.79	57.19	26	29.5	Calm	NE 2	ENE	NEbyE	------
2	58.36	58.11	26.5	28	NE 2	NE 3	ENE	ENE	8.4
3	59.24	58.52	26.5	28.6	ENE 3	NNE 3	NEbyE	NE	------
4	59.61	58.21	26.5	28	NE 2	NE 3	ENE	ENE	------
5	58.91	57.96	26.2	28.6	N 2	N 2	ENE	NEbyE	------
6	58.13	57.17	26	28.5	N 1	NE 2	NE	ENE	.3
7	59.08	57.84	25.7	29.2	NE 1	NEbyE 2	ENE	ENE	1.5
8	58.50	57.93	26.1	30.2	NNE 2	Calm	ENE	NE	------
9	58.55	58.04	27	25.6	NE 3	Calm	ENE	E	10.7
10	59.06	58.48	26.6	31.5	ENE 2	Calm	E	E	.8
11	60.01	58.48	26.3	30.6	NNE 1	ENE 2	E	NE	1
12	59.38	57.90	26	29.3	ENE 2	NNE 2	E	ESE	4.6
13	58.68	58.26	26	30.4	E 2	SE 2	SE	SSE	5.6
14	58.88	58.74	26.7	30.8	Calm	E 1	ESE	SE	------
15	59.42	58.43	27	30.6	Calm	ENE 2	E	E	------
16	59.12	57.89	27	30.3	ENE 2	E 3	------	E	3.8
17	58.53	57.69	26.2	30	Calm	NNE 2	ENE	E	.8
18	58.48	57.45	26.1	28.7	Calm	ENE 3	E	E	.8
19	58.43	57.13	26.7	30.2	Calm	NEbyN 2	ENE	ENE	------
20	57.87	56.66	27.1	30.5	NNE 2	E 2	E	E	------
21	58.17	58.25	27.4	30.8	ENE 2	E 2	E	ESE	------
22	58.97	58.11	26.9	31.9	NE 2	E 2	E	EbyN	.5
23	58.11	57.48	25.4	24.5	Calm	Calm	ESE	------	151.1
24	58.44	56.64	26.2	29.5	Calm	Calm	------	------	.5
25	58.22	56.79	26	28.5	Calm	ENE 2	------	ESE	1.3
26	57.33	56.65	26.3	30.7	Calm	Calm	SSE	SSE	29.7
27	57.96	57.93	26.5	30.7	Calm	SSE 1	SSE	SbyE	------
28	59.32	59.90	26	25.6	Calm	ESE 2	SEbyE	SSE	7.3
29	60.18	58.91	25.5	29.1	Calm	E 2	E	SSE	------
30	59.47	58.45	26.1	30.5	Calm	NNE 2	SE	E	.3
31	58.72	57.97	25.7	30.6	Calm	ENE 2	E	ENE	------
Mean	58.74	57.91	26.3	29.4	1	1.7	------	------	------
Total	------	------	------	------	------	------	------	------	229

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	58.95	57.86	27.1	30.5	E 2	ENE 3	EbyS	E	------
2	59.22	58.56	27.4	30.8	ENE 3	EbyS 2	ESE	E	------
3	58.91	58.34	26.5	30.3	Calm	Calm	ESE	E	------
4	58.01	57.45	25.5	30.7	Calm	Calm	E	EbyN	0.3
5	57.87	57.35	25.7	31.4	Calm	ESE 2	SSE	E	------
6	58.88	57.25	25.5	32	Calm	ESE 2	E	ENE	------
7	57.98	57.04	25.2	31	Calm	Calm	------	N	7.9
8	58.16	56.78	24	26.7	Calm	NbyE 2	SSE	E	.3
9	58.78	58	26.9	30	ESE 2	SE 2	SE	SSE	.3
10	59.16	59.14	27.2	29.5	Calm	Calm	SSE	SSE	6.6
11	59.62	58.15	26.8	30.5	N 2	NE 3	E	E	1
12	59.62	58.31	26.5	30.2	Calm	E 2	SE	E	------
13	59.61	58.44	25.6	30.7	Calm	ESE 2	ESE	E	2.8
14	59.84	58.90	27	31.6	ESE 2	E 2	SE	ESE	4.1
15	59.65	58.49	24.8	29	NNE 2	ESE 3	SE	SE	3.8
16	58.27	56.88	27.8	31	E 3	E 2	SE	SE	2.5
17	58.11	56.96	26.1	31.5	Calm	Calm	SSE	SSE	3.1
18	58.78	57.46	26.1	31.8	Calm	E 2	SSE	SE	------
19	58.26	56.87	27.6	31.6	Calm	EbyS 2	SE	ESE	2.8
20	58.01	57	27	31.8	Calm	E 2	ESE	E	------
21	58.85	57.68	26	32	Calm	E 2	E	SE	------
22	59.65	57.88	25.4	30.1	Calm	E 3	SE	SE	------
23	58.71	57.40	26.5	32	Calm	E 2	SE	ESE	3
24	57.55	57.10	27.3	32.4	NNE 1	E 2	SE	SE	------
25	58.06	57.40	26.8	32.1	Calm	EbyN 2	SE	SE	4.8
26	58.61	58.16	27.5	31.6	Calm	EbyS 2	ESE	ESE	8.6
27	58.67	58.58	25.3	23.2	Calm	Calm	ENE	ENE	57.7
28	58.34	57.27	24.7	------	Calm	ENE 2	ENE	E	.3
29	58.35	58.01	26.7	26.5	Calm	Calm	ENE	ESE	24.4
30	58.88	58.38	25.9	26.3	Calm	NE 2	E	------	10.4
31	------	------	------	------	------	------	------	------	------
Mean	58.71	57.77	26.3	30.3	0.6	1.7	------	------	------
Total	------	------	------	------	------	------	------	------	144.7

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	58.53	57.48	26.4	30.4	NE 2	ENE 3	E	E	3.1
2	57.69	58.41	27.7	23.7	ENE 3	ENE 7	E	E	28
3	59.19	58.27	25.1	28.8	Calm	NE 2	ESE	ENE	1.5
4	59.54	58.12	25	25.4	NEbyN 2	Calm	ENE	------	10.2
5	58.61	57	26.6	30.7	NE 2	ENE 2	ENE	ENE	11.7
6	58.29	56.83	24.1	28.5	ENE 2	Calm	------	E	31
7	57.59	56.72	25.7	27.9	Calm	Calm	------	ESE	7.1
8	57.84	57.39	25.4	30.3	Calm	EbyN 2	E	E	12.2
9	58.07	56.96	25.6	30.1	Calm	NbyE 2	ENE	NE	------
10	57.42	56.75	26.3	29.6	Calm	Calm	NE	SE	1.3
11	57.51	56.38	25.5	29.8	Calm	NE 2	NEbyE	NEbyE	2.5
12	57.13	56.69	26.5	31.5	Calm	ENE 2	ENE	E	.3
13	57.46	56.80	26.9	31.5	Calm	E 1	ENE	SE	------
14	57.50	58.11	26.3	24.9	SSE 1	Calm	------	------	15
15	58.17	57.19	25.4	30.5	Calm	ENE 2	------	ENE	.8
16	57.27	56.75	26	28.7	Calm	ESE 2	ENE	SE	3.8
17	57.97	57.44	23.9	26	Calm	ENE 2	SE	------	2
18	57.16	56.61	27	31	ENE 2	ENE 2	ENE	E	1.8
19	57.27	57.07	26.6	27.5	Calm	SSW 2	SSE	S	30.7
20	59.18	57.37	23.4	28	Calm	Calm	------	------	51.3
21	58.75	58.03	23	26.2	Calm	Calm	------	------	5.6
22	58.68	57.17	25.6	31.1	ENE 2	SSE 2	E	SE	------
23	57.89	56.89	24.7	27.5	Calm	Calm	NE	ENE	4.6
24	57.94	56.56	24.5	30	Calm	Calm	------	ENE	4.3
25	57.56	56.69	24.6	28.5	Calm	ENE 2	SE	------	7.7
26	56.93	56.31	25.4	29	S 2	S 2	S	S	49.5
27	57.28	56.27	24	28.3	SSW 2	SW 3	------	------	66.3
28	58.53	57.46	23.5	28.5	Calm	Calm	WSW	------	1.1
29	58.12	57.95	25.6	25.6	Calm	Calm	NW	W	24.4
30	57.44	56.26	24.3	27.3	N 3	N 2	NE	NNE	38.4
31	55.74	55.23	25.5	28.4	ENE 2	SSE 2	ESE	SSE	1.6
Mean	57.88	57.07	25.4	28.6	0.8	1.5	------	------	------
Total	------	------	------	------	------	------	------	------	417.8

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	56.47	56.55	26.1	29.6	S 2	SSE 2	S	S	9.4
2	58.44	58.82	25	27.9	Calm	S 3	SE	S	1.3
3	59.07	58.41	25.5	29.6	Calm	Calm	------	------	------
4	58.62	57.14	24.5	30.5	Calm	Calm	SSE	------	------
5	57.19	57.66	26	26	Calm	Calm	------	------	7.2
6	58.51	57.66	25	28.8	Calm	Calm	------	S	------
7	58.87	58.51	24.7	25.4	Calm	Calm	S	------	29.4
8	58.04	57.24	25	29.3	Calm	SW 2	------	SW	.3
9	57.33	56.74	25.4	29.4	SW 2	WSW 2	WSW	WSW	81
10	57.60	57.05	25	29.5	WSW 2	WSW 3	SWbyW	SW	1.8
11	57.23	57.25	26.5	26.5	SW 2	SW 2	SWbyW	SW	18.6
12	57.43	56.44	26.4	29.1	SW 2	SW 2	SW	SW	4.6
13	58.21	57.12	25.5	29.4	Calm	SW 2	SWbyW	SWbyW	2
14	57.89	57.78	25	30.9	Calm	WbyN 2	------	WSW	------
15	58.17	57.73	26.1	25.1	Calm	SW 2	WSW	SW	41.1
16	57.93	56.25	25.5	30.4	Calm	N 2	NE	NNE	------
17	56.74	56.34	25.2	31	Calm	NE 2	S	NE	1.3
18	56.33	56.39	25	29.3	Calm	Calm	S	SW	------
19	56.61	56.34	25	28.5	Calm	Calm	------	NE	1.5
20	57.05	56.71	25.5	31.5	Calm	ESE 2	------	SE	5.8
21	58.08	57.82	25	25	WSW 2	SW 2	WSW	------	65.6
22	58.01	57.36	25.5	26.6	Calm	WbyS 2	WSW	W	38.1
23	57.05	55.87	24.8	28.7	WSW 2	WSW 2	WSW	WSW	22.1
24	57.57	57.16	25	28.9	Calm	SW 2	S	SSW	13.3
25	57.69	56.87	25.6	28.4	Calm	SW 2	SW	S	1
26	57.12	56.86	26	29.4	SW 2	SW 3	SW	SW	------
27	56.52	55.64	27	30	SW 2	SW 3	SW	SW	28.4
28	56.53	56.36	26.5	28.4	WSW 2	SW 3	SW	------	------
29	57.48	56.26	26	30.1	SW 1	SW 3	SW	SW	.8
30	57.47	55.82	24	27.5	WSW 2	SW 3	WSW	SW	------
31	55.66	54.77	26.4	25.6	SW 1	WSW 4	SW	WSW	16.5
Mean	57.51	56.93	25.5	28.6	0.8	1.8	------	------	------
Total	------	------	------	------	------	------	------	------	391.1

YAP (WESTERN CAROLINES).

[$\phi = 9°\ 29'$ N; $\lambda = 138°\ 08'$ E; barometer above sea, 31.85 meters; gravity correction not applied, —1.87 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C	°C							*mm.*
1	55.41	55.33	24.4	27.9	WSW	2	SW	2	------	SW	44.9
2	58.07	57.19	23.5	26.5	Calm		Calm		WSW	WSW	33.3
3	58	57.15	24.7	27.6	Calm		NW	2	W	NW	51
4	57.23	55.91	23.8	26.9	Calm		Calm		------	N	16.2
5	55.59	54.56	26	29.2	Calm		SSW	2	S	SSW	.5
6	55.73	55.46	26	30.4	S	2	S	2	S	S	1.5
7	57.37	56.44	26.2	29.4	SW	2	SW	3	SW	SW	------
8	57.94	58.62	25.6	27.3	SW	1	SW	2	------	------	1
9	58.28	57.13	26.4	30.6	WSW	2	WSW	2	SW	WSW	25.4
10	57.08	55.53	24	26.2	SW	2	W	3	SW	W	6.6
11	56.13	55.31	26.4	25.1	WSW	3	WbyS	3	WSW	------	24.4
12	56.08	55.48	25.8	28.7	SW	1	SW	4	------	WSW	16.5
13	55.53	54.84	26.8	29	SW	4	SW	4	SW	SW	------
14	55.64	55.30	27.1	29.5	S	4	S	3	SSW	S	1.8
15	56.29	55.66	25.2	29.5	Calm		SSW	1	SSW	SW	------
16	56.93	56.12	25.6	28.6	Calm		WSW	2	------	WSW	------
17	55.69	54.68	25.2	26.1	W	4	WSW	4	W	WSW	12.7
18	54.31	53.68	27	26.8	SW	5	SSW	5	SW	SW	5.6
19	55.76	55.66	27.7	30.1	S	3	S	2	S	SSW	24.4
20	57.88	57.13	26.2	30.7	SSE	1	Calm		SE	SE	11.7
21	58.32	57.89	24.7	29.4	Calm		Calm		------	WSW	------
22	58.43	56.93	25	29.2	Calm		WbyS	2	NE	W	6.4
23	56.88	55.55	26.2	26.2	WSW	2	SW	2	NW	SW	23.1
24	57.47	56.15	25	30.5	SSE	1	S	2	SSE	S	4.1
25	57.79	57.50	25.3	29.4	Calm		SbyE	2	S	S	2.6
26	57.89	57.41	25.5	31	Calm		Calm		------	WNW	------
27	57.62	56.83	26	30.6	Calm		NbyW	2	NW	N	------
28	57.50	56.38	26.4	31.1	Calm		NNW	2	N	N	2
29	57.21	55.61	24.4	30.6	NW	1	W	1	NNW	NW	.6
30	56.58	55.80	26.5	28.8	W	2	Calm		W	NW	11.9
31	------	------	-----	-----	----------		----------		------	------	------
Mean	56.89	56.11	25.6	28.8	1.4		2		------	------	
Total	------	------	-----	-----	----------		----------		------	------	328.2

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	57.63	57.52	25.6	28.9	Calm		Calm		WNW	WNW	.6
2	58.63	58.71	25.5	24.5	Calm		Calm		ESE	SW	11.2
3	58.33	57.51	25.2	25	Calm		Calm		N	N	40.9
4	57.47	56.21	24.3	30.2	Calm		Calm		------	NE	30.5
5	58.37	57.51	24	28.6	Calm		SW	2	------	S	1.8
6	59.27	58.94	27.5	29.8	E	2	Calm		SE	------	17.8
7	60.43	59.01	25.1	29.1	Calm		Calm		------	NNE	11.2
8	59.56	57.56	25.5	27.6	Calm		N	2	NNW	N	15.4
9	57.96	55.60	25.4	29.7	Calm		NNE	3	NNE	NNE	1.3
10	56.62	55.26	25.5	29.3	Calm		NW	2	NNW	NW	.5
11	56.40	55.89	25	29.7	Calm		Calm		------	W	------
12	57.36	55.96	25.3	30.5	Calm		Calm		WNW	WNW	------
13	56.09	54.85	25.8	30.4	WNW	2	W	2	WNW	WNW	------
14	54.71	53.60	26.5	28.4	W	2	WSW	3	W	WSW	12.4
15	55.14	55.06	26.4	28.5	SW	4	SW	2	WSW	SW	.5
16	58.31	57.09	25.5	29.3	Calm		Calm		------	SW	------
17	59.06	58.74	25.4	29	Calm		SSW	2	SW	SW	------
18	58.01	57.49	26	28.2	Calm		N	2	WNW	N	8.7
19	56.69	55.41	25.9	28.8	Calm		Calm		N	NNW	75.7
20	56.66	55.89	23.7	28.3	WSW	1	Calm		WNW	------	14
21	58.36	57.86	24.7	30.6	Calm		S	2	------	SE	------
22	59.11	57.41	25.2	30	Calm		ENE	2	SE	NE	------
23	58.04	57.02	25.7	26.4	Calm		Calm		ENE	NNW	7.4
24	58.36	57.41	25	30.5	Calm		Calm		------	WNW	------
25	58.09	57	25.4	30	Calm		WNW	1	NNW	N	1.5
26	57.96	56.76	26	25	Calm		WSW	3	NW	W	23.3
27	58.18	57.44	26.6	30	ENE	3	ENE	2	E	ENE	.5
28	58.48	57.64	26	30.2	NE	2	ENE	1	ENE	SE	------
29	58.18	57.33	25.1	29.7	Calm		NE	2	------	NE	28.9
30	59.11	57.67	24.7	27.5	Calm		Calm		WNW	W	9.4
31	59.59	58.18	25	27.9	Calm		Calm		N	ENE	6.6
Mean	57.94	56.95	25.4	28.8	0.5		1.1		------	------	
Total	------	------	-----	-----	----------		----------		------	------	320.1

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	59.42	57.65	25	29	Calm		NNE	2	NE	NE	4.1
2	58.38	57.98	25.3	23.3	ENE	2	N	1	------	------	38.9
3	56.88	55.61	23.3	25.5	N	3	N	3	------	NNE	41.9
4	55.39	54.58	26.1?	25.6	NE	3	ENE	3	ENE	SE	9.2
5	57.57	56.76	-----	29.1	SSE	2	Calm		SE	E	------
6	59.26	57.60	24.7	28.7	Calm		NNE	2	E	NE	.3
7	58.44	57.17	25	29.8	Calm		NNE	2	ENE	NE	------
8	58.17	57.04	24.5	29.8	Calm		Calm		NE	NE	------
9	57.51	56.23	24.7	30.4	Calm		Calm		NE	NE	1.5
10	57.43	55.95	25.1	31.1	Calm		Calm		SSE	NNW	1.8
11	58.73	57.61	25.4	31	Calm		ENE	2	E	ENE	.5
12	59.19	57.54	25	30.8	Calm		NNE	2	NE	NE	------
13	57.98	56.04	25	30.5	Calm		NE	2	NE	NE	------
14	57.63	56.68	25.1	29.6	Calm		Calm		ENE	SW	------
15	58.73	57.08	25.2	30	Calm		NNE	2	NE	NE	.5
16	58.12	56.53	25.5	29	Calm		NE	2	NE	NE	7.1
17	57.08	54.95	26	27.3	NNE	2	NNE	3	NE	NE	1.8
18	54.48	50.30	27	25.6	N	2	NNW	4	NNE	N	114.5
19	54.32	55.47	26.6	26.3	S	2	SE	3	SW	SSE	4.5
20	56.83	55.59	27	30.5	E	2	Calm		SE	SE	.5
21	55.85	54.58	25.5	28.4	Calm		N	1	NNE	------	16.5
22	50.72	52.30	26	25.2	NNE	7	SE	5	NE	SSE	13.2
23	56.22	55.66	-----	26	E	2	SE	1	SSE	SSE	11.9
24	57.12	55.45	24.4	29.5	S	2	Calm		S	NE	------
25	56.25	54.91	25.2	30.1	N	1	N	2	NE	NNE	12.7
26	54.31	52.72	25.6	24.8	N	3	ENE	7	N	E	17.5
27	55.90	56.55	26.5?	29.8	E	2	NE	2	ESE	E	.3
28	57.04	56.25	25.4	28.2	Calm		NE	2	NE	NE	.8
29	57.27	56.78	25	24.4	Calm		Calm		N	------	20.6
30	57.34	56.48	25	27	Calm		NE	1	NNE	NE	3
31	------	------	-----	-----	----------		----------		------	------	------
Mean	56.99	55.87	25.4	28.2	1.2		1.8		------	------	
Total	------	------	-----	-----	----------		----------		------	------	323.6

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	57.87	56.52	26.2	28.5	NNE	2	NNE	2	NE	NE	15.5
2	55.16	51.14	22.5	25	W	2	SW	3	W	SW	49
3	57.21	56.89	26	29	SE	1	SE	1	------	SE	7.9
4	59.08	57.41	24.5	29	Calm		Calm		N	SW	.3
5	59.12	57.66	24.5	27.6	Calm		NE	2	------	NE	3.6
6	58.67	57.19	24.9	29.5	NE	1	ENE	2	NE	ENE	3
7	58.59	57.65	23.5	25.5	Calm		Calm		ENE	ENE	36.3
8	57.50	56.87	24.4	30	N	1	NE	2	NE	E	2.8
9	58.24	57.19	24.4	28	Calm		NE	3	NE	E	1
10	58.51	57.80	24.5	24.8	NNE	3	N	2	NE	NE	2.1
11	58.99	57.56	25.2	28.5	NNE	2	NE	3	NE	ENE	.5
12	58.82	57.84	24.5	27	NE	3	NE	3	ENE	NE	4.3
13	59.11	58.11	24.5	28.9	NE	3	NE	3	NE	ENE	10.6
14	58.77	57.97	24.6	29	NE	3	NE	3	NE	ENE	1
15	58.77	57.29	26	28.6	NE	2	NE	2	NE	NE	12.2
16	57.71	56.33	25	28.5	N	2	N	2	N	NNE	------
17	54.97	54.81	26.1	29	WNW	1	SSW	2	NW	SW	------
18	57.55	57.05	26.5	28.5	ESE	2	NNE	2	SE	ENE	2.5
19	58.38	57.01	25.2	28.8	Calm		ENE	2	NE	ENE	.3
20	57.13	56.51	25.5	28.3	Calm		ENE	3	NE	ENE	------
21	58.06	56.83	25.3	28.5	Calm		NNE	2	------	NE	2
22	57.64	57.24	25.6	29	NNE	2	NE	2	NE	NE	.3
23	59.03	57.50	25	28	NE	2	NNE	2	NE	NE	2.5
24	58.17	57.33	24.5	28.2	NNE	1	NE	3	NE	NE	1.3
25	58.21	58.24	26	27	NNE	3	NNE	3	NE	NE	------
26	59.07	58.04	25.3	28.4	NE	3	Calm		NE	NE	------
27	58.87	58.11	26	29.7	NE	3	ENE	3	ENE	ENE	7.9
28	58.79	58.14	25.5	28.9	ENE	4	ENE	3	ENE	NE	1.6
29	59.59	58.65	25	27.9	NE	2	NE	4	NE	NE	3
30	59.22	57.76	25.9	28.6	NE	4	NE	4	NE	NE	1.8
31	59.15	58.14	26.6	28.4	NE	3	NE	4	NE	ENE	2.8
Mean	58.26	57.19	25.1	28.2	1.8		2.3		------	------	
Total	------	------	-----	-----	----------		----------		------	------	176.1

SURIGAO.

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.25	58.18	24	25.5	Calm	Calm	ENE	ENE	10.6
2	59.70	59.19	23	28.9	Calm	NNE 1	ENE	ENE	.1
3	60.21	59.91	21.5	24.6	Calm	NE 2	ENE	ENE	2.8
4	60.88	59.69	23.9	29.1	NE 2	ENE 1	ENE	ENE	.1
5	60.23	58.95	25.2	28.8	ENE 1	ENE 1	ENE	ENE	-------
6	59.50	58.54	23.5	28.1	Calm	Calm	ENE	NE	3.4
7	59.95	59.36	24	28.3	Calm	NNE 1	ENE	NNE	6.5
8	60.62	59.12	21.6	27.4	Calm	Calm	NE	NE	-------
9	60.08	59.14	20.6	28.1	Calm	Calm	ESE	E	-------
10	60.99	59.86	21	28.7	Calm	ENE 1	ESE	ESE	-------
11	62.28	60.75	21.3	28.4	Calm	NEbyE 1	ESE	ENE	-------
12	61.74	60.09	22.3	29.3	Calm	E 1	ENE	ENE	26.7
13	61.68	60.65	25	27.5	NNE 2	NE 2	ENE	NE	2.3
14	61.67	60.34	25	27.2	Calm	NNW 1	ENE	ENE	.3
15	61.22	60.28	25.3	28.8	NNE 1	NNE 1	ENE	E	.1
16	62.18	61.16	25	28.3	NE 1	NEbyN 2	ENE	NE	-------
17	62.26	61.27	22	25	Calm	Calm	ENE	NNE	55.6
18	62.18	61.28	22.7	23.6	NWbyN 1	NE 1	-------	-------	69.1
19	62.16	61.77	22.7	28.5	Calm	NE 1	N	N	-------
20	62.28	61.36	22	24.8	Calm	Calm	N	N	19.1
21	62	61.11	23	28.3	Calm	NNE 1	NNE	N	.4
22	61.93	61.25	24.2	24.5	NWbyN 1	NW 1	ENE	N	9.8
23	61.41	61	21.3	27.1	Calm	NW 1	NNE	ENE	2
24	62.43	61.96	23.9	28.5	Calm	Calm	N	NNE	-------
25	62.18	61.65	22.5	28.5	Calm	Calm	ESE	ENE	-------
26	62.06	61.60	23.4	28.9	Calm	NNE 1	N	NE	.5
27	62.62	62.21	23	24.1	Calm	NE 2	ENE	NNE	13.3
28	62.77	61.24	21.5	27.9	Calm	NNW 1	NNE	NNE	.6
29	62.37	60.93	22.6	25.5	Calm	NW 1	N	N	9.9
30	61.79	60.94	21.4	29	Calm	NNE 1	ENE	NNE	-------
31	61.78	60.65	21.8	28.3	Calm	Calm	NE	ENE	-------
Mean	61.43	60.50	22.9	27.4	0.3	0.8	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	233.2

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	62.07	60.85	20.4	27.2	Calm	Calm	-------	E	-------
2	61.01	60.66	22.5	27.6	Calm	Calm	E	E	-------
3	61.78	60.27	22.5	27.6	Calm	NW 1	NE	ESE	1.8
4	61.58	61.21	23	25	Calm	Calm	NNE	-------	17.7
5	62.08	61.16	23.3	26.1	Calm	NE 2	NE	NE	13.6
6	62.88	62.29	25.1	27.3	NE 1	NNE 1	NE	NNE	-------
7	63.31	62.14	24.6	28.4	Calm	NE 2	NE	NE	-------
8	61.95	61.14	23.2	28.4	Calm	NE 2	NNE	NNE	7.2
9	62.08	60.17	22.9	27.2	Calm	Calm	NE	ENE	26.6
10	60.81	60.38	23.5	28	Calm	ENE 1	NNE	ENE	2.2
11	60.63	60.06	22.8	28.3	Calm	NNE 1	ENE	ENE	-------
12	60.45	59.24	23.4	28.8	Calm	NE 1	NNE	NNE	1.4
13	59.41	58.08	22.9	29.5	Calm	Calm	NNE	NNE	13
14	58.39	57.53	24.7	25	Calm	Calm	N	-------	29.5
15	58.34	57.97	23	28.1	Calm	NNW 1	ENE	ENE	-------
16	59.51	58.53	25	29.6	Calm	Calm	E	ENE	.4
17	59.71	59.19	24	28	Calm	NE 1	-------	N	4.6
18	59.48	59.27	23	27.6	Calm	Calm	NNE	NNE	19.1
19	60.11	59.81	24.5	28	Calm	NE 1	NNE	NNE	6.9
20	60.68	60.11	25.4	24.5	NE 2	ENE 2	ENE	-------	12.5
21	60.85	60.05	24.7	28.3	ESE 1	ESE 2	E	ENE	1.3
22	60.48	59.78	25.3	29.4	ESE 1	E 2	E	E	-------
23	60.26	59.64	23.6	29.7	Calm	ENE 1	E	E	-------
24	59.51	58.71	21.7	28.2	Calm	ENE 1	E	E	6.8
25	59.08	59.35	25	29.2	ENE 2	NNE 2	E	E	4.1
26	59.16	58.86	25.3	29	NEbyE 1	ENE 1	NE	NE	.1
27	59.66	58.25	25.8	27	ENE 1	NE 1	NE	ENE	4.7
28	58.86	58.20	25.4	27.9	NE 1	NE 2	NE	NE	12.5
29	58.55	58.22	24.3	27	ENE 1	NE 1	NE	NE	11.7
30	-------	-------	-------	-------	-------	-------	-------	-------	-------
31	-------	-------	-------	-------	-------	-------	-------	-------	-------
Mean	60.44	59.69	23.8	27.8	0.4	1	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	197.7

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.74	58.56	21.7	28	Calm	NEbyN 2	ENE	NE	13.3
2	59.77	59.60	25	28.9	NE 1	NNE 2	E	E	.3
3	60.31	60.21	25.4	29	NE 1	NE 1	ENE	ENE	1.3
4	60.66	59.26	24	29.6	Calm	NNE 1	NE	ENE	4.1
5	59.55	58.96	22.1	26.4	Calm	Calm	NE	E	11.6
6	59.82	60.43	25.3	23	NNE 1	Calm	NE	NE	24.4
7	60.25	59.51	24.8	27.5	ENE 1	ESE 2	ENE	ENE	5.3
8	61.45	60.50	25.2	29.2	ENE 1	ENE 2	NNE	ENE	-------
9	62.39	60.26	21.4	29.5	Calm	NNE 1	NE	ENE	3.6
10	61.41	60.14	22.6	27.9	Calm	Calm	ENE	ENE	1.4
11	59.88	58.85	22	30	Calm	Calm	ENE	ENE	-------
12	58.77	57.56	23.8	29.5	Calm	ENE 1	-------	ENE	.5
13	58.73	58.16	24.3	27.1	Calm	NNE 1	ENE	ENE	4
14	59.95	59.75	23	29.5	Calm	ENE 1	ENE	ENE	-------
15	60.48	59.66	22	29.3	Calm	ENE 1	ENE	ENE	-------
16	60.28	59.20	20.9	29.6	Calm	NNE 1	ENE	ENE	-------
17	60.77	59.44	21.5	30.2	Calm	NEbyN 1	ENE	ENE	-------
18	60.61	60.26	22.8	29.4	NE 1	NE 2	NE	ENE	-------
19	61.51	60.43	21.3	30.1	Calm	NNE 1	ENE	-------	-------
20	61.43	60.39	22	27.7	Calm	Calm	ENE	ENE	.8
21	61.45	60.60	24.8	26.6	NEbyE 2	ENE 1	ENE	ENE	3.1
22	62.31	61.41	25	24.8	ENE 1	ENE 1	ENE	ENE	12.5
23	61.80	60.64	23.2	29.2	Calm	NE 2	ENE	ENE	4.8
24	61.36	60.74	23	30	Calm	NE 1	ENE	ENE	-------
25	62.53	61.26	25.2	28.2	NE 1	NE 2	ENE	ENE	1.9
26	62.58	60.41	23.3	29.3	ESE 1	NE 2	NNE	NE	-------
27	61.21	60.34	22	29.8	Calm	NE 1	ENE	ENE	7.8
28	61.66	60.40	23.7	29.3	Calm	ENE 1	ENE	ENE	2
29	60.88	60.62	22.7	27.4	Calm	Calm	ENE	ENE	5.4
30	61.21	60.39	23.5	28.7	Calm	NNE 2	ENE	ENE	10.7
31	60.70	60.06	23.5	29.5	Calm	NE 2	ENE	ENE	13.7
Mean	60.79	59.94	23.3	28.5	0.4	1.1	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	132.5

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	60.50	59.49	22.7	29.7	Calm	NNE 2	NE	ENE	3.6
2	60.68	59.68	23.4	28.9	Calm	NNE 2	ENE	ENE	.1
3	60.83	59.68	23.3	29.6	Calm	Calm	ENE	ENE	12.2
4	60.28	58.91	23.5	26.8	NE 2	Calm	-------	ENE	6.9
5	59.48	58.70	23.2	28.9	Calm	NW 1	NE	NE	-------
6	59.86	59.12	22.5	27.7	Calm	NWbyN 1	-------	NNE	-------
7	60.43	59.19	22.9	28.6	Calm	Calm	NNE	N	-------
8	60.56	59.21	23.8	29.1	Calm	NW 1	NNE	NNE	-------
9	60.57	59.48	24.1	29.7	Calm	NW 1	NNE	ENE	.8
10	61.77	60.41	25	27.8	Calm	ENE 1	NE	ENE	30.4
11	61.81	60.54	23.9	29.8	Calm	E 1	SE	ENE	2.5
12	62.92	61.20	22	30.1	Calm	NE 1	NNE	ENE	-------
13	63.11	61.78	22.3	29.9	Calm	ENE 2	ENE	ENE	3
14	62.48	61.24	24	26	Calm	ENE 3	SE	ENE	8.6
15	61.08	59.93	23	29.5	Calm	NNE 2	ENE	ENE	12.2
16	61.16	60.48	22.8	29.6	Calm	ENE 1	ENE	ENE	-------
17	61.18	60.37	22.9	29.5	Calm	ENE 1	NNE	NE	-------
18	61.11	59.90	23.5	30.5	Calm	ENE 1	NE	ENE	2.5
19	60.56	59.48	24.5	28.7	Calm	Calm	ENE	ENE	1.3
20	59.65	59.15	26.6	29.7	Calm	NNE 3	ENE	ENE	-------
21	59.17	57.86	26.8	29.1	NEbyN 1	NNE 3	NE	ENE	1.9
22	59.34	57.99	26.9	29.7	ENE 2	NE 2	ENE	ENE	-------
23	59.27	58.12	27.2	30.4	NE 2	NNE 2	E	E	.5
24	59.34	58.68	23.5	26	Calm	Calm	ENE	ENE	19.3
25	59.01	57.79	25	29.2	Calm	NNE 3	ENE	E	-------
26	59.40	58.13	24.6	26.3	Calm	Calm	NE	NNE	13.2
27	59.04	58.33	25.4	29.4	Calm	Calm	E	E	.3
28	59.51	58.08	25	30	Calm	Calm	ENE	E	1.8
29	59.16	57.80	26.9	30.7	Calm	NE 1	E	E	-------
30	58.25	57.05	24.4	29.6	Calm	NE 2	ENE	ENE	-------
31	-------	-------	-------	-------	-------	-------	-------	-------	-------
Mean	60.38	59.26	24.2	29	0.2	1.2	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	121.1

This station was temporarily reduced to third class station from September 14, 1911, to May 31, 1912.

SURIGAO.

[ϕ=9° 48′ N; λ=125° 29′ E; barometer above sea, 6 meters; gravity correction not applied, —1.86 mm.]

Day.	MAY.								
	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.33	57.05	23.5	30.5	Calm	Calm	E	E	-------
2	58.71	57.89	25.3	29.5	Calm	ESE 1	NE	NE	0.7
3	60.52	59.04	26	30.8	Calm	NE 1	ENE	ENE	-------
4	60.76	59.38	23.3	29	Calm	Calm	NNE	E	-------
5	60.21	58.56	24.1	30.5	Calm	Calm	-------	E	-------
6	59.28	57.62	22.9	30.9	Calm	Calm	-------	ENE	-------
7	59.56	58.26	24.2	29.4	Calm	Calm	-------	E	-------
8	59.68	58.36	23.5	30.2	Calm	NNW 1	-------	W	-------
9	59.37	57.79	24.8	30.5	Calm	NE 1	ENE	N	-------
10	59.86	58.76	23.2	29.6	Calm	NW 1	E	E	-------
11	60.40	58.54	23.5	30.9	Calm	NE 1	E	E	-------
12	59.96	57.97	24.3	31.4	Calm	NE 1	E	E	-------
13	59.13	57.61	24.8	31.7	Calm	NE 1	E	E	-------
14	58.88	58	24.8	31.8	Calm	Calm	E	E	-------
15	59.25	58.01	24.7	31.8	Calm	NE 1	E	E	-------
16	58.98	57.88	25.3	32.3	Calm	NE 1	E	E	-------
17	58.84	57.59	26	30.9	Calm	N 1	-------	-------	-------
18	59.11	58.02	25.2	31.5	Calm	ENE 2	-------	-------	.8
19	58.85	57.59	26.2	31.1	Calm	NW 1	ENE	-------	.8
20	58.26	56.46	25.9	30.4	Calm	NW 2	-------	-------	-------
21	58.78	57.74	23.9	31.4	Calm	ENE 1	-------	-------	-------
22	59.02	57.70	24.7	31.4	Calm	ENE 2	-------	-------	-------
23	59.04	57.26	26.1	30	Calm	NE 1	-------	-------	-------
24	58.60	57.21	24.9	29.4	Calm	ENE 1	-------	-------	-------
25	58.08	56.23	23.5	30.6	Calm	N 1	-------	-------	-------
26	58.07	56.39	24.6	30.9	Calm	NNE 1	-------	-------	15.5
27	58.15	56.58	24.6	31	Calm	WNW 2	-------	-------	-------
28	58.61	57.69	25.5	32	Calm	N 1	-------	-------	-------
29	59.48	57.89	25	32	SE 1	ENE 1	-------	-------	-------
30	59.17	57.69	25.5	31.2	S 1	ENE 2	-------	-------	-------
31	58.62	57.50	25	31.7	SSE 1	ENE 2	-------	-------	-------
Mean	59.15	57.75	24.7	30.8	0.1	1	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	17.8

The observations from June to December will be found among the observations of first and second class stations of this report.

MAASIN.

[$\phi = 10°\ 08'$ N; $\lambda = 124°\ 50'$ E; barometer above sea, 7.3 meters; gravity correction not applied, —1.85 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.47	57.93	23.8	28.8	N	1	E	2	E	E	-------
2	59.67	59.08	23.5	29	N	1	E	1	E	E	-------
3	60.52	59.67	23	26.9	N	1	N	1	E	E	-------
4	61.12	59.78	23.1	28.6	N	1	E	4	E	E	-------
5	60.42	59.65	23.5	29	N	1	NE	1	E	E	-------
6	59.97	58.20	23.3	28.3	N	1	E	3	E	E	19.6
7	60.13	59.26	23	28.6	N	1	E	2	E	E	-------
8	60.87	59.22	22	27	N	1	W	1	E	W	-------
9	60.42	59.21	21.7	27.9	N	1	W	1	S	SW by W	-------
10	61.13	59.85	22.1	27.4	N	1	E	2	S	W	-------
11	61.83	60.60	21.7	28.5	N	1	E	1	E	E	-------
12	62	60.05	22.6	27	N	1	S	1	E	NE	11.2
13	61.80	60.28	22	28.8	N	1	E	1	E	NE	-------
14	62.10	60.25	21.8	28.9	N	1	E	1	E	E	-------
15	61.47	60.13	22	29.6	N	1	E	3	E	W	-------
16	61.80	61.21	21.8	27.9	N	1	W	1	E	NE	-------
17	62.28	61.30	21	26.6	N	1	S	1	S	E	-------
18	62.22	61.20	22	26	N	1	SE	1	E	E	-------
19	62.26	61.35	22.1	29.4	N	1	W	2	E	E	-------
20	62.32	61.18	21.2	26.6	N	1	S	1	E	E	-------
21	62	60.73	21.6	27.5	N	1	SW	1	E	NE	-------
22	62.22	60.88	21	28	N	1	E	1	E	NE	-------
23	61.58	61	22	26.4	N	1	S	1	S by W	E	-------
24	62.45	61.18	21.4	29	N	1	SE	1	SE	NE	-------
25	62.06	61.03	22	28.6	N	1	E	2	S	W	-------
26	62.19	61.36	22.5	27.6	N	1	NE	1	E	NE	-------
27	62.83	61.95	21.8	26.4	N	1	S	1	S	NE	-------
28	62.90	61.06	22	27	N	1	SW	2	SE	NE	-------
29	62.63	61	22.5	26.5	N	1	S	1	E	E	42.9
30	61.97	60.79	22	29.5	N	1	S	1	E	W	-------
31	61.52	60.68	21	28	N	1	SW	1	S	W	-------
Mean	61.55	60.36	22.2	27.9		1		1.4	-------	-------	-------
Total	------	------	------	------	----------		----------		-------	-------	73.7

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	62.12	60.99	20.8	28	N	1	S	1	E	E	-------
2	62.52	60.59	21.2	28.2	N	1	SE	1	E	E	-------
3	61.90	59.95	22	28	N	1	SW	2	E	W	12.7
4	61.72	60.53	22.6	27	N	1	SE	1	NE	E	48.3
5	62.27	61.26	22.4	27	N	1	S	1	E	E	-------
6	62.77	61.68	22.4	29.5	N	1	E	2	E	W	-------
7	62.87	61.58	22	29.4	N	1	E	3	NE	E	-------
8	62.87	60.84	21	28	N	1	SE	2	E	SE	-------
9	61.85	60.30	22.4	26.5	N	1	SW	1	E	E	-------
10	61.85	59.51	23.6	28.8	N	1	E	1	E	E	-------
11	60.67	59.82	22.4	30	N	1	S	1	E	E	-------
12	60.77	58.93	21.6	28	N	1	S	1	E	W	-------
13	59.84	58.37	22	26.5	N	1	S	1	NE	N	4.1
14	58.92	57.61	23.6	26.9	N	1	E	1	E	E	34.6
15	58.44	58.14	23.8	28	N	1	SE	1	E	N	-------
16	59.53	58.41	25	29.2	N	1	SE	1	E	E	-------
17	59.51	58.41	24.6	29.8	N	1	E	4	E	NE	-------
18	59.67	59.12	22.8	28.8	N	1	S	1	E	E	9.7
19	60.12	59.60	23	28.1	N	1	E	4	E	E	40.6
20	60.71	59.51	23.6	29.1	N	1	E	5	E	E	-------
21	60.82	59.99	24	28.5	N	1	E	5	NE	E	-------
22	60.44	59.80	24.2	28.7	N	1	E	4	E	NE	-------
23	60.55	59.66	24	28.2	N	1	SE	1	E	NE	-------
24	59.77	58.33	23.2	28	N	1	E	4	E	E	10.2
25	59.47	59.18	24.4	30	N	1	E	4	E	E	-------
26	59.34	58.82	23.2	27.5	N	1	E	4	E	E	9.4
27	59.72	57.95	24	29	N	1	E	5	E	E	-------
28	58.92	58.29	22.4	29	N	1	E	1	E	E	7.1
29	58.59	58.05	23	29.4	N	1	NE	1	E	S	12.4
Mean	60.64	59.49	22.9	28.4		1		2.2	-------	-------	-------
Total	------	------	------	------	----------		----------		-------	-------	189.1

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.07	58.50	22.8	29.4	N	1	E	3	E	E	-------
2	60.06	59.32	22.5	30	N	1	E	3	E	W	-------
3	60.55	59.55	23	29.8	N	1	E	2	NE	E	-------
4	60.55	59.61	24.6	29	N	1	E	1	E	W	-------
5	59.73	58.75	22.1	28.8	N	1	E	2	S	W	-------
6	60.24	60.23	24.1	29	N	1	E	2	E	E	-------
7	60.56	59.20	25.4	29.2	N	1	E	5	E	E	9.9
8	61.43	60.29	25.4	29.2	N	1	E	6	E	E	-------
9	61.65	60.43	24.6	28	N	1	W	1	E	E	-------
10	61	60.16	24.8	28	N	1	E	1	E	E	-------
11	59.88	58.92	22.2	27.4	N	1	W	2	S	W	-------
12	58.72	57.40	23.2	29.5	N	1	E	3	E	E	-------
13	58.97	57.84	23	29.6	N	1	SW	1	SE	NE	-------
14	59.73	59.60	23.1	29.5	N	1	E	4	E	E	-------
15	60.50	59.56	22	29	N	1	E	3	S by W	E	-------
16	60.41	58.98	22	29	N	1	E	1	S	E	-------
17	60.75	59.56	23	27.5	N	1	W	1	S	N	-------
18	60.55	60.10	24.5	30	N	1	E	6	W	W	-------
19	61.63	60.40	22.6	30	N	1	SE	1	E	W	-------
20	61.35	60.13	22	29.8	N	1	E	4	S	E	-------
21	61.65	60.88	23.6	27.6	N	1	E	2	E	E	-------
22	62.12	60.68	24	29.5	N	1	E	1	E	E	-------
23	61.60	59.61	24	29	NE	1	E	3	E	E	-------
24	61.39	60.48	24.2	30	N	1	E	3	NE	E	-------
25	62.39	61.03	24.6	30.8	N	1	E	1	S	W	-------
26	61.85	60.26	22.8	31	N	1	E	4	S	W	-------
27	61.28	60.23	24.5	29.7	N	1	E	3	NE	E	-------
28	61.52	60.03	23.5	30	N	1	E	3	E	NE	-------
29	60.75	60.23	23	30.2	N	1	E	3	NE	E	-------
30	61.32	60.08	24	30.4	N	1	E	2	E	E	-------
31	60.73	59.84	25	30.4	N	1	E	2	E	E	7.6
Mean	60.77	59.74	23.5	29.4		1		2.5	-------	-------	-------
Total	------	------	------	------	----------		----------		-------	-------	17.5

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	60.67	59.60	22	27.5	N	1	S	1	E	E	12.2
2	60.72	59.48	24	31	N	1	NE	2	E	NE	-------
3	60.55	59.68	23.4	29.6	N	1	E	1	E	E	-------
4	60.36	58.84	24.4	28	N	1	SW	1	E	NE	13.2
5	59.52	58.51	23.4	28.4	N	1	W	3	SE	SW	-------
6	59.82	59.10	22.5	29	N	1	S	1	SE	NE	-------
7	60.35	59	23	29.6	N	1	S	1	E	SW	-------
8	60.47	59.20	24.5	28.8	N	1	S	1	E	E	-------
9	60.51	59.44	23.6	29.2	N	1	S	1	E	N	-------
10	61.50	60.07	23.8	29.4	N	1	E	1	E	E	-------
11	61.53	60.35	25	30.4	N	1	E	2	E	E	-------
12	62.87	61.29	22.5	31	N	1	E	3	E	E	-------
13	62.81	61.16	24.2	32	N	1	E	2	SW	E	-------
14	62.35	60.64	24	31	N	1	E	2	E	W	8.1
15	61.02	59.60	23.5	29.5	N	1	E	3	E	W	10.9
16	61.12	59.85	24	29.4	N	1	E	4	E	E	-------
17	61.05	59.71	23.4	30.8	N	1	E	3	E	E	-------
18	60.87	59.48	24	30	N	1	E	3	E	W	-------
19	60.45	59.20	24.5	30.4	N	1	E	1	SE	W	-------
20	59.70	58.84	24.8	31.5	N	1	E	3	E	W	-------
21	59.11	58.03	24.8	32	N	1	E	4	E	E	-------
22	59.52	57.83	25	31.8	N	1	E	2	NE	E	-------
23	59.33	57.76	26	31.5	N	1	E	3	E	W	-------
24	59.37	57.98	25	30.6	N	1	S	1	E	E	-------
25	58.82	57.63	24.8	30.6	N	1	E	3	E	NE	-------
26	59.30	58.25	25	28.8	N	1	S	1	E	E	-------
27	59.12	58.48	25.2	29	N	1	S	1	E	E	-------
28	59.47	58.15	25.4	29	N	1	SE	1	SW	E	-------
29	59.37	57.70	24.8	30	N	1	E	5	S	W	-------
30	58.30	56.63	26	31.4	N	1	S	1	E	E	-------
Mean	60.33	59.05	24.2	30		1		2	-------	-------	-------
Total	------	------	------	------	----------		----------		-------	-------	44.4

MAASIN.

[ϕ=10° 08′ N; λ=124° 50′ E; barometer above sea, 7.3 meters; gravity correction not applied, —1.85 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	58.20	57.20	24.9	29.5	N	1	SE	2	E	SW	-------
2	59.19	57.68	27	29.4	NE	1	S	1	E	E	-------
3	60.20	58.73	26	30.4	N	1	E	4	E	E	-------
4	60.41	59.25	26.4	29.8	N	1	S	1	E	E	-------
5	60.29	58.40	24.6	29.2	N	1	SE	1	SW	SE	-------
6	59.33	57.93	23.5	29	N	1	E	1	S	NE	-------
7	59.46	58.44	24	28	N	1	S	1	E	E	-------
8	59.57	58.53	24	29.2	N	1	E	1	S	E	-------
9	59.33	57.84	25.5	28	N	1	SE	3	E	W	-------
10	59.67	58.51	23.6	28.2	N	1	E	1	SbyW	E	-------
11	60.32	58.54	24	28.8	N	1	E	3	E	E	-------
12	59.85	58.15	23.8	29.5	N	1	S	2	SW	SW	-------
13	59.15	57.59	25.4	30.4	N	1	SE	2	S	SW	-------
14	58.88	57.49	24.8	30.9	N	1	S	1	S	S	-------
15	59.23	58.30	25.2	29.7	N	1	E	1	E	NE	-------
16	59.02	58.13	26.2	30.8	N	1	S	1	S	S	-------
17	58.62	57.72	26	29.8	N	1	S	1	SW	SW	-------
18	58.97	58.13	25.4	30.9	N	1	S	2	E	NE	-------
19	58.97	57.56	25.8	32.6	N	1	E	2	E	SW	-------
20	58.37	56.96	26	31.8	N	1	S	1	E	SE	-------
21	58.96	57.68	26	29.5	N	1	S	2	SW	SW	-------
22	59.31	58	25.8	29.8	N	1	SE	2	SE	SW	-------
23	59.31	57.25	26.2	31.5	N	1	S	1	S	SW	-------
24	58.57	57.03	26.4	30.2	N	1	SE	3	E	SW	-------
25	58.62	56.58	26.6	29.6	N	1	S	1	SW	SW	-------
26	58.51	56.78	26.8	30.4	N	1	S	1	SE	SW	-------
27	58.42	57.38	26.4	29.6	N	1	S	1	E	NE	-------
28	58.52	58.95	26	29.5	N	1	S	1	E	E	-------
29	59.46	57.88	26.4	31.2	N	1	SE	2	SW	SE	-------
30	59.32	58.33	26	31.8	N	1	SE	1	SW	SW	-------
31	58.72	57.68	26	29.5	N	1	S	1	SW	NE	-------
Mean	59.19	57.89	25.5	30		1		1.5	-------	-------	-------
Total	------	------	------	------	----------		----------		-------	-------	0

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	58.72	57.55	26.6	31	N	1	SE	2	SW	SW	-------
2	59.55	58.06	26	31.8	N	1	E	4	SW	W	-------
3	58.92	58.25	26.2	31.4	N	1	S	2	S	SW	-------
4	58.66	57.08	26	30.4	N	1	SE	2	SbyW	S	-------
5	58.22	56.97	26.2	29.5	N	1	S	1	S	SW	-------
6	58.60	56.80	26.2	29.5	N	1	S	1	E	W	-------
7	58.55	57.38	26	29.8	N	1	SE	1	W	SW	-------
8	58.50	57.65	26.2	30.2	N	1	SE	1	W	E	-------
9	58.82	57.05	26.1	31.4	N	1	S	1	SbyW	E	-------
10	59.31	57.37	26.6	29.9	N	1	S	1	SW	NE	17.8
11	59.02	58.38	25.2	29.6	N	1	S	1	E	SW	-------
12	59.11	58.28	26	31.6	N	1	S	1	SW	SW	-------
13	59.54	58.03	27	31.4	N	1	SE	1	SE	SW	-------
14	59.62	57.88	25.8	30.4	N	1	SE	1	E	SW	-------
15	59	57.28	26.8	29.5	N	1	S	1	E	SW	-------
16	57.92	56.88	26.4	30	N	1	SE	1	SW	SW	13.7
17	57.52	57.24	26	28.7	N	1	SE	2	SE	NE	-------
18	58.56	57.33	26	30.7	N	1	SE	2	NE	SW	-------
19	58.57	56.78	26.4	30.6	N	1	SE	2	E	E	39.9
20	58.46	56.55	26	30.6	N	1	S	2	E	E	-------
21	59.12	56.88	26.2	30.8	N	1	S	1	SEbyS	SW	-------
22	58.82	57	25.6	30.6	N	1	S	1	E	SW	27.4
23	58.72	57.43	26.2	30	N	1	SE	2	SW	SW	-------
24	58.26	56.79	26	29.6	N	1	SE	1	SW	N	-------
25	58.52	56.90	26.6	29.8	N	1	S	1	SW	SW	-------
26	58.81	57.39	26	30.6	N	1	S	1	E	SW	12.2
27	59.20	56.98	26.8	31	N	1	S	1	E	SW	-------
28	58.32	57.14	25.5	30.4	N	1	S	1	W	E	7.9
29	58.35	57.24	26	28	N	1	S	1	E	NE	-------
30	58.57	56.98	26.2	29.5	N	1	E	1	SW	E	-------
31	------	------	------	------	----------		----------		-------	-------	-------
Mean	58.73	57.32	26.2	30.3		1		1.4	-------	-------	-------
Total	------	------	------	------	----------		----------		-------	-------	118.9

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	58.80	56.88	26	29.4	N	1	SE	3	E	SW	-------
2	58.12	57.72	26	27.2	N	1	SE	1	E	SE	40.1
3	58.65	58.09	25	28.6	N	1	E	1	SE	E	15.7
4	59.61	58.60	25	28.4	N	1	SE	2	NE	E	-------
5	59.37	57.53	26	29.1	N	1	SE	1	SW	W	9.7
6	58.77	56.60	25.6	29.6	N	1	S	2	S	W	20.6
7	58.07	55.80	25.8	28.8	N	1	S	1	S	N	-------
8	57.55	55.81	25.8	28.7	N	1	S	1	W	SW	50.8
9	57.67	56.84	25.2	28	N	1	SE	2	SE	SE	-------
10	58.25	57.39	25.6	30	N	1	SE	1	SW	W	-------
11	58.67	56.75	25.2	30	N	1	SE	1	SW	SW	-------
12	57.81	56.63	26.1	30	N	1	SSE	1	S	W	-------
13	57.70	56.03	26	29.6	N	1	SE	1	S	SW	-------
14	57.92	56.58	25.8	30.6	N	1	SE	2	S	W	10.2
15	58.50	56.28	24.8	28.6	N	1	SW	1	NE	W	-------
16	58.33	56.66	25.6	28.8	N	1	S	1	SE	E	37.1
17	57.72	56.58	25.5	28.2	N	1	SE	1	E	NE	47.2
18	57.35	56.04	25	29	N	1	SW	4	SE	SW	-------
19	56.75	55.70	25.2	28.4	SW	4	SW	5	SW	SW	23.4
20	57.68	56.34	26.3	28.8	SW	3	SW	5	SW	SW	19
21	57.84	56.54	24.8	29.8	N	1	SW	3	SW	SW	-------
22	58.30	57.05	25.4	28.8	N	1	S	1	SW	SW	-------
23	57.43	56.20	25.4	29.1	N	1	SW	2	SW	SW	-------
24	57.52	56.80	25	29.2	N	1	SW	3	SW	SW	-------
25	58.70	57.21	25.4	29	N	1	SW	3	SW	SW	-------
26	57.37	56.82	25.6	26.7	N	1	S	1	W	SW	88.9
27	55.94	54.97	24.5	27.3	N	1	W	1	SWbyW	SW	22.1
28	56.20	55.91	25	27.7	SW	2	SW	4	SW	SWbyW	-------
29	58.17	57.50	25.2	28.5	N	1	SW	3	E	SW	-------
30	58.51	57.48	25	28.8	N	1	SW	2	E	SW	12.7
31	57.80	57.68	25.2	28.9	SW	2	SW	2	SW	SW	-------
Mean	57.97	56.74	25.4	28.8		1.2		2	-------	-------	-------
Total	------	------	------	------	----------		----------		-------	-------	397.5

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	57.62	56.75	25.4	28.6	N	1	SW	2	SW	SW	-------
2	57.27	57.43	25.8	30.5	SW	1	W	1	SW	SW	-------
3	59.02	58.10	26.5	27.9	SW	5	SW	2	SW	SW	33
4	59.12	57.21	24.2	31	N	1	S	1	SW	SW	-------
5	58.05	56.93	25.6	29	N	1	S	2	SW	SW	-------
6	59	57.88	24.8	28.6	N	1	S	2	SE	SW	-------
7	59.46	57.75	25.1	28.2	N	1	S	2	SEbyS	SW	22.4
8	59.06	57.24	25.4	28.3	SW	2	S	2	SW	SE	9.7
9	58.37	56.81	23.5	28	N	1	SW	3	SW	SW	13.5
10	59.27	57.67	23.6	27.4	N	1	SW	5	SW	SW	57.9
11	57.92	57.15	24.8	26.6	N	1	SW	2	SW	SW	65.8
12	57.41	56.30	24.5	28.4	SW	2	SW	6	SW	SW	-------
13	56.85	56.30	25	29.4	SW	4	SW	6	SW	SW	-------
14	58.12	56.64	26	29.2	SW	3	SW	5	SW	SW	10.4
15	58.42	57.23	25.2	28.6	N	1	S	2	E	SW	55.9
16	58.34	56.94	24.7	28.9	N	1	S	1	S	SW	8.9
17	58.30	56.31	25	29	N	1	S	1	E	SW	27.9
18	57.87	56.30	24.4	28.5	N	1	S	1	NE	SW	-------
19	57.27	56.50	25	28.4	N	1	SW	2	SE	SW	-------
20	57.82	56.80	26.6	28.2	SW	3	SW	3	SW	SW	40.4
21	58.16	57.42	24	27.2	N	1	S	2	E	SW	-------
22	58.39	57.52	24.6	27.2	SW	2	W	1	SW	SW	25.4
23	58.37	55.75	25.4	28.5	SW	4	SW	2	SW	SW	-------
24	58.05	57.03	25	28	N	1	S	1	SW	SW	4.6
25	58.07	56.11	26	29	S	2	SW	4	SW	SW	-------
26	57.26	55.29	27	29.2	SW	4	SW	5	SW	SW	-------
27	55.95	54.60	27.1	29.3	SW	4	SW	4	SW	SW	-------
28	56.06	55	27	29.3	SW	4	SW	5	SW	SW	-------
29	57.04	55.98	27.1	29.6	SW	4	SW	5	S	SW	-------
30	57.85	55.98	26.6	29.4	SW	2	SW	5	SW	SW	-------
31	56.42	55.21	26	29	N	1	SW	5	SW	SW	-------
Mean	57.94	56.65	25.4	28.7		2		2.8	-------	-------	-------
Total	------	------	------	------	----------		----------		-------	-------	375.8

MAASIN.

[$\phi = 10°\ 08'$ N; $\lambda = 124°\ 50'$ E; barometer above sea, 7.3 meters; gravity correction not applied, —1.85 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0-12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	55.37	54.77	27	29.4	SW	3	SW	5	SW	SW	
2	56.76	55.48	27.2	29.4	SW	5	SW	5	SW	SW	
3	57.47	56.18	27.1	28.5	SW	3	SW	5	SW	SW	
4	58.37	56.85	25.2	29.8	N	1	S	1	SW	SW	
5	57.55	57.28	24.6	28.5	N	1	N	1	SW	SW	
6	57.95	57.13	24.5	26.5	N	1	S	1	N	SW	84.8
7	56.68	54.88	23	25	N	1	SW	4	NW	SW	92.2
8	57.92	56.81	25	30.8	E	2	SW	4	SW	SW	
9	58.88	57.43	26	28.8	N	1	SW	4	S	SW	
10	58.47	57.17	24.5	29.4	SW	2	W	2	SW	SW	
11	58.13	56.38	24.8	28.5	N	1	SW	5	S	SW	10.9
12	57.78	56.23	25.6	28.8	N	1	SW	5	S	SW	
13	57.45	55.53	26	28.5	SW	2	SW	5	SW	SW	
14	55.67	53.36	26	28	NW	1	SW	6	SW	SW	14.2
15	54.25	53.12	26.2	27.6	SW	4	SW	5	SW	SW	22.6
16	56.15	55.18	25.7	28	SW	5	SW	6	SW	SW	
17	57.08	56.83	24.6	29.8	N	1	SW	5	SW	SW	
18	57.24	55.28	26.6	28	SW	3	SW	5	S	SW	
19	55.97	55.20	26	26	N	1	N	2	SW	SW	20.3
20	56.91	55.44	26	28.7	SW	2	SW	4	SW	SbyW	
21	57.67	56.38	25	28.6	N	1	S	2	SW	SW	7.9
22	59.05	57.95	26	28.9	N	1	S	2	SW	S	
23	59.83	58.12	24.8	29.8	N	1	S	2	NW	SW	
24	58.97	56.90	25.8	26.6	N	1	N	1	W	NW	10.7
25	57.89	56.10	24.5	28.2	N	1	S	1	SEbyS	SW	46.7
26	57.12	55.62	24.6	27	N	1	SW	2	N	SW	5.3
27	57.07	56.20	26.6	28.3	SW	3	SW	4	S	SW	
28	58.74	56.79	27	29	SW	2	SW	4	W	SW	
29	58.57	57.51	25	27	N	1	S	1	S	SW	14
30	58.16	56.58	25	29.3	N	1	S	1	E	SW	30.7
31											
Mean	57.50	56.16	25.5	28.4		1.8		3.3			
Total											360.3

OCTOBER.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0-12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	59.15	57.60	26	29	N	1	S	2	S	S	
2	59.58	58.90	25.2	29.2	N	1	S	1	S	NE	
3	60.16	58.35	25.4	29	N	1	S	1	SbyW	SbyW	
4	59.55	58.05	25.8	27.8	N	1	S	1	SbyW	NE	
5	58.57	57.31	25.2	27.6	N	1	N	1	S	W	
6	59.17	57.45	25	28.5	SW	2	SE	1	SW	NW	18
7	60.17	58.76	24.1	26.6	N	1	NW	1	N	NW	44
8	60.39	58.14	25	28.4	N	1	SW	3	W	SW	
9	59.32	57.99	25	29	N	1	S	1	S	SW	
10	58.67	56.85	26.5	28.5	SW	2	SW	1	SW	SW	
11	58.63	56.58	26	28.6	N	1	SW	2	SW	SW	
12	58.61	56.85	26	28.7	N	1	S	1	SE	SW	
13	57.85	55.40	25.5	28.4	NW	2	W	1	NW	W	31.2
14	55.02	52.27	26.1	27	NW	2	NW	4	NW	NW	108.1
15	48.19	20	25.4		NW	6	W	11	NW	W	394.7?
16	53.47	54.05	25.6	26	SW	8	SW	6	SW	SW	101.3
17	57.92	57.23	25.6	29.4	SW	2	S	1	SW	SW	
18	60	57.51	25.1	29.4	N	1	SE	2	S	SW	
19	59.58	57.82	25.5	27.5	N	1	N	1	W	SW	26.2
20	58.42	56.55	23.5	29.3	N	1	W	1	S	SW	
21	58.67	57.30	25.4	29.8	N	1	W	1	E	SW	
22	58.88	56.88	25	29.4	N	1	S	1	SW	SW	15.2
23	58.43	56.14	25.4	28.5	N	1	W	1	SW	SW	21.1
24	58.70	56.40	25.2	28.4	N	1	W	2	SbyW	SW	26.2
25	58.38	56.48	25.3	28	N	1	W	1	SW	W	9.4
26	57.72	56.95	25.2	28.8	N	1	S	1	SW	W	
27	58.99	58.16	25	29.2	N	1	S	1	SbyW	SW	
28	59.27	58.01	24.6	27.8	N	1	S	1	SW	SW	
29	58.33	57.51	24.2	27.2	N	1	S	1	W	W	
30	59.17	58.17	23.6	28.6	N	1	S	1	SE	S	
31	59.82	57.93	24.6	30.2	N	1	NW	1	SW	SW	
Mean	58.35	56.89	25.2	28.5		1.5		1.8			
Total											795.4?

NOVEMBER.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0-12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	58.80	55.67	25.5	25.2	N	1	SW	4	NW	SW	89.9
2	59.62	57.81	23.3	28.7	N	1	SE	1	N	NE	
3	59.62	57.86	23.8	28.8	N	1	S	1	SbyW	SW	
4	58.93	57.31	24.1	28.6	N	1	S	1	SE	NE	6.1
5	57.97	56.99	25	25.6	N	1	NW	2	SE	NW	9.7
6	54.99	55.60	25.4	28.5	SE	6	SW	2	SE	SW	88.9
7	58.87	57.77	25.2	29.7	N	1	NE	2	E	NE	
8	59.74	57.89	25	30.8	N	1	ENE	2	SE	N	
9	59.17	57.78	24.5	30.6	N	1	E	2	NE	NE	
10	58.39	56.85	24.5	29.8	N	1	SE	2	E	NE	
11	58.96	57.90	24	28.5	N	1	W	1	NE	NE	
12	59.34	57.86	24.6	28.6	N	1	SE	1	S	SW	
13	58.36	56.88	24.5	29.4	N	1	NW	2	NE	NE	
14	58.17	57.03	24	28.6	N	1	S	1	S	N	
15	59.26	57.93	24	28.6	N	1	S	1	S	NW	
16	58.87	57.22	23.8	30.2	N	1	E	2	SbyW	N	
17	58.57	57.05	24.2	30.5	N	1	S	1	SE	NE	
18	58.12	56.53	24.6	30.3	N	1	S	1	S	NE	
19	58.37	56.17	23.5	29.8	N	1	SW	1	SE	SE	
20	57.87	55.98	24.5	30.6	N	1	NW	1	SW	NE	4.1
21	57.22	55.95	24.2	30.5	N	1	NW	2	SW	SW	
22	57.35	56.05	24.2	27.8	N	1	N	1	SW	E	60.7
23	57.17	54.88	24.8	30.9	N	1	NW	2	W	NW	4.6
24	54.40	51.83	25	25.2	NW	2	NW	4	NW	NW	413.5?
25	52.94	54.67	25	27.9	SW	5	SW	5	SW	SW	7.1
26	57.98	56.19	24	28.5	N	1	S	1	SW	E	
27	57.97	56.03	24.6	28.2	N	1	NW	1	W	NW	33
28	53.21	52.46	26	27.6	NE	2	E	5	NE	E	30.9
29	57.37	56.70	24.8	28.4	N	1	S	1	E	E	
30	58.75	57.94	25.8	28.7	N	1	S	1	SE	SW	
31											
Mean	57.88	56.49	24.5	28.8		1.4		1.8			
Total											748.5?

DECEMBER.

Day.	Pressure, 700 mm. +		Temperature.		Wind, direction and force (0-12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	60.75	59.45	24.2	28	N	1	S	1	E	E	17.8
2	60.65	58.67	23.1	27.2	N	1	NW	1	N	NW	9.7
3	58.69	56.78	24	28.5	N	1	NW	2	SbyW	NW	
4	57.62	56.70	24.4	28.6	N	1	NW	2	NW	NW	
5	57.93	57.20	25.6	28.5	SW	2	SW	2	SW	SW	
6	59.11	57.90	24	27.9	N	1	S	1	SbyW	NW	
7	60.14	58.29	23.6	28.5	N	1	SW	1	E	E	35.6
8	59.18	58.30	24.5	28.6	N	1	NW	1	SE	NE	
9	59.47	58.70	24.4	26.6	N	1	S	1	E	NE	16.5
10	59.33	58.22	23.2	26.8	N	1	E	1	NE	E	22.6
11	59.44	58.51	24	29.2	N	1	E	4	N	NE	
12	59.57	58.80	24.8	29.7	N	1	E	1	E	E	
13	59.84	59.21	24.5	28.2	N	1	NE	1	NE	NE	5.3
14	60.42	59.42	24	26.5	N	1	N	1	E	E	31.2
15	59.82	58.38	25.4	30.4	N	1	E	1	E	E	
16	59.74	58.35	22.8	30.2	N	1	SE	1	E	E	
17	59.59	58.25	23.6	28.4	N	1	SW	1	E	NE	
18	59.27	57.30	21.8	28.5	N	1	W	1	NE	E	
19	58.49	57.53	23	28.7	NW	1	SW	1	NW	NE	
20	58.67	57.25	23.2	28.3	N	1	S	1	SE	NE	
21	58.46	57.15	24	28.4	N	1	S	1	S	SW	
22	58.58	58.10	24.4	28.4	N	1	WSW	1	E	NE	
23	60.07	58.79	24.6	27.6	N	1	SW	1	NE	NW	18.6
24	59.13	57.93	23.6	29.4	N	1	E	1	E	NE	6.1
25	59.31	58.44	23.6	25.6	N	1	NW	1	NE	NW	30.3
26	59.83	58.50	23.8	28.7	N	1	NE	4	NE	NE	
27	59.87	58.68	24.6	28.6	N	1	E	4	NE	E	
28	59.92	58.93	23.8	28.8	N	1	S	1	S	E	
29	60.55	59.60	23.4	28.7	N	1	E	3	S	S	5.3
30	60.47	58.88	24	29.5	N	1	E	2	E	E	
31	59.59	58.18	24	28.6	N	1	E	2	E	E	
Mean	59.47	58.27	23.9	28.4		1		1.5			
Total											199

SAN JOSE BUENAVISTA.

[ϕ=10° 44′ N; λ=121° 55′ E; barometer above sea, 6.4 meters; gravity correction not applied, —1.84 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	58.89	57.77	19.5	31.5	Calm		WSW	1		E	
2	59.38	58.54	19.5	30.4	NE	0	W	1			
3	59.67	59.04	21	30.5	Calm		W	1		E	
4	60.67	59.04	19	30.4	Calm		WSW	1		E	
5	59.47	58.11	21	33.6	Calm		ENE	2			
6	58.92	58.19	21.5	30.5	Calm		NW	1		NE	
7	59.83	58.71	23.9	32.1	Calm		SSW	1			
8	60.26	59	18.6	30.1	Calm		W	1			
9	60.54	59.15	20	30.6	NW	1	WSW	1			
10	61.07	60.07	21.2	30.5	NW	1	W	1		E	
11	61.88	60.14	20.6	30.5	Calm		NW	1			0.5
12	61.79	60.51	22.4	30	NW	0	NW	2			
13	61.20	59.41	22.5	30.9	Calm		NW	1	ENE	E	
14	62.20	60.55	19.4	31.6	Calm		NW	1		E	
15	61.67	60.56	20	29.7	NW	1	NW	2			
16	62.29	61.19	20	30.6	NW	1	NW	1			
17	62.13	61.22	18	31.4	Calm		NW	1			
18	62.59	60.62	17.5	31.1	Calm		S	1			
19	62.38	61.86	18.5	30.8	Calm		S	1		ENE	
20	62.15	61.05	19.4	29.7	Calm		N	2			
21	61.85	61.26	19.1	30	NE	0	NW	1			
22	61.62	60.79	16	31.4	Calm		W	1			
23	61.59	61.47	19	30	ENE	0	N	2			
24	62.33	61.36	20.6	30.5	NE	0	WSW	2			
25	61.88	61.11	18.8	31.5	Calm		WSW	1			
26	61.87	61.46	19.6	32	Calm		NW	1			
27	63.15	62.36	19	31	NW	0	WNW	1			
28	62.84	61.35	20	32.1	Calm		WSW	1			
29	62.53	60.79	20.1	32	Calm		SW	1			
30	61.69	61.21	19.8	32.1	Calm		NW	1			
31	61.73	60.93	19	32.8	Calm		WSW	1			
Mean	61.36	60.28	19.8	31		0.1		1.2			
Total											0.5

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	62.03	61	20.5	30.5	NW	0	NW	1		E	
2	61.68	60.79	21.1	31	NE	1	NNW	1			
3	61.76	60.20	20.1	31.6	Calm		NW	2			
4	61.62	60.81	21.5	28.5	Calm		NW	1			
5	61.91	61.45	25	29.9	Calm		SSW	1		E	0.5
6	62.19	61.24	22	33.5	Calm		SW	1			
7	62.52	60.89	21.9	33	ENE	0	NW	2			
8	62.38	60.70	20	32	Calm		NNW	1			
9	61.73	60.32	20.6	32.1	Calm		W	1			
10	61.01	59.37	24	30.5	Calm		NW	1		NE	
11	60.17	59.76	23.1	32.6	Calm		WSW	1			
12	60.40	58.56	21.6	32.4	Calm		NW	1		E	
13	59.32	58.21	22.6	32.2	Calm		W	1			
14	58.83	57.87	21	32.1	Calm		NNW	1			
15	58.37	58.11	23.4	30	Calm		S	1		W	1.3
16	59.32	58.50	23	31.5	NW	0	SW	1			
17	59.47	58.35	23.1	33.9	Calm		WSW	1			
18	59.54	59.06	22.8	33	ENE	1	W	1			
19	60.30	59.12	23.6	29.5	Calm		N	3		NE	
20	59.54	58.82	24.6	30.5	Calm		NNW	2		E	
21	60.14	59.03	22	32	Calm		W	2		E	
22	60.50	59.23	22.5	31.5	Calm		NW	2			
23	60.44	58.89	19.6	33	Calm		NW	1			
24	59.06	57.66	22	32.2	Calm		W	2			
25	59.29	58.72	22.4	32	Calm		W	1			
26	59.12	58.21	20.5	32.8	Calm		W	2			
27	59.03	57.45	20.7	32	Calm		NNW	1			
28	59.21	57.59	22	33.6	Calm		S	2			
29	58.61	57.30	21.5	33.5	Calm		NW	1			
Mean	60.33	59.21	22	31.8		0.1		1.3			1.8
Total											

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	58.36	57.93	21.5	33.5	Calm		NW	2			
2	59.65	58.57	22.1	32.7	Calm		W	1			
3	60.36	59.56	21.5	31.6	Calm		NW	2			
4	60.26	59.08	20.6	34	Calm		W	2			0.5
5	59.13	58.97	20	30.9	Calm		NW	1			
6	59.72	58.81	23	32.6	Calm		NW	1			
7	59.89	58.94	24.5	29.8	Calm		NW	1			
8	60.03	59.37	24.8	33.2	Calm		NW	2	E		
9	61.93	59.90	23.5	33.1	ESE	0	W	1			
10	60.72	59.96	19.8	31.4	E	1	N	2			
11	59.51	59.06	22.1	33.4	NE	1	W	1			
12	58.41	57.75	22.1	32.6	Calm		NW	2			
13	58.56	58.29	23.8	32.8	NNW	1	WSW	1			
14	59.42	58.59	23.4	33.2	NE	1	NW	1		E	
15	59.47	59.31	22.1	31.1	NW	1	W	1			
16		59.05	22.1	33.5			W	2		E	
17	60.28	59.26	20.1	31.6	N	1	N	2			
18	60.55	59.63	23.5	32.8	E	1	W	2			
19	61.18	60.73	22.6	31.6	Calm		W	2		E	
20	60.61	59.66	22.1	32.5	W	1	W	1			
21	61.08	60.27	20.9	30.5	Calm		W	2		E	
22	61.39	59.74	23.7	32.9	Calm		W	1	E	E	
23	60.98	59.68	22.6	32.4	Calm		W	2		E	
24	60.97	60.18	22.5	33	Calm		W	2			
25	61.38	60.15	22.4	33.1	Calm		W	2			
26	61.71	59.34	20.5	33.4	SSE	1	W	1		E	
27	61.94	60.18	21.5	29.8	SE	0	W	2			
28	60.45	59.88	22.5	32.1	Calm		W	2			
29	60.35	59.97	22	33.1	Calm		W	2			
30	60.22	59.67	21.8	33	Calm		W	2	E		
31	60.73	59.05	24.1	34	Calm		W	2			
Mean	60.31	59.37	22.2	32.4		0.3		1.6			
Total											0.5

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	59.85	58.40	25	33.1	S	0	W	2			
2	60.20	59.58	22.5	33.4	S	0	W	2			
3	60.41	59.68	22.4	31.6	Calm		W	2			
4	59.43	58.52	22.9	33	Calm		W	2			
5	58.81	58.84	24.4	32.1	Calm		SW	1			
6	60.01	59.28	23.6	33	Calm		SSW	1		W	
7	60.80	59.28	24.1	33.1	Calm		WNW	2			
8	60.18	59.49	22.6	30.7	SE	1	W	1			
9	60.38	59.72	23.1	32.6	Calm		W	2		E	
10	61.32	60.45	24.5	33	Calm		W	1			
11	61.45	60.31	23.1	33.4	SSE	0	NW	3			6.6
12	62.02	61.05	25.1	32.2	Calm		W	2			
13	62.63	61.16	22.5	33	Calm		NW	2			
14	62.04	60.10	23.5	33.4	Calm		W	2			
15	60.85	59.23	23.1	32.9	Calm		W	2			
16	60.38	59.88	22.7	33.8	Calm		W	2			
17	60.47	59.38	22.5	32.6	Calm		W	2			
18	60.45	59.49	23.1	33.6	Calm		W	1			
19	59.77	58.86	22.8	33.8	Calm		W	2			
20	59.05	58.41	23.6	33.7	Calm		W	1			
21	58.32	57.77	22.6	34.4	Calm		SW	2			
22	58.54	57.32	25.5	34.8	Calm		WSW	2	E		
23	58.66	57.16	25	33.2	Calm		NW	2			
24	58.74	57.59	25.6	33	SE	1	W	2			
25	58.26	57.90	24.1	33	Calm		W	2		E	
26	59.20	57.53	23.4	33.6	Calm		WSW	2			
27	59.05	58.55	27	28.5	Calm		W	1			2.3
28	59.29	58.34	25.4	30	Calm		W	2			.8
29	58.94	57.03	25.5	33.6	Calm		W	2			
30	57.65	56.77	24.8	32.5	WNW	0	NW	2			
31											
Mean	59.90	58.90	23.9	32.8		0.1		1.1			
Total											9.7

Beginning with the afternoon of March 16, the height of the barometer above sea level was 5.4 meters.

SAN JOSE BUENAVISTA.

[$\phi = 10°\ 44'$ N; $\lambda = 121°\ 55'$ E; barometer above sea, 5.4 meters; gravity correction not applied, —1.84 mm.]

MAY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	57.77	56.95	23.5	33.1	ESE 1	WNW 2	-------	-------	-------
2	58.05	57.52	24.2	33	N 1	WNW 2	-------	-------	-------
3	59.55	58.83	26.8	33.5	Calm	W 2	-------	-------	-------
4	60.16	59.18	25	34.1	Calm	WSW 2	-------	E -------	-------
5	59.68	58.43	25.5	34.4	SE 1	WSW 1	-------	-------	-------
6	59.40	57.76	24.6	34	W 1	SSW 1	S -------	-------	-------
7	59.40	58.39	24.5	33.5	SE 0	SW 2	-------	E -------	-------
8	59.58	58.54	25.5	34.5	SE 0	W 2	-------	-------	-------
9	58.80	57.54	24.5	34.1	E 0	SW 1	-------	-------	1
10	59.26	58.39	23.8	33.1	E 1	W 2	-------	-------	-------
11	59.86	58.37	26.1	32.9	Calm	W 2	-------	-------	.8
12	59.30	58.04	25.4	33.6	W 1	SW 2	-------	-------	-------
13	58.98	57.68	25.9	33.6	WSW 1	W 2	-------	-------	-------
14	58.91	58.33	26.1	33.7	NW 0	SW 2	-------	NW -------	-------
15	58.94	58.32	26.1	33.5	WNW 1	W 1	-------	W -------	-------
16	58.75	58.19	26.6	32.2	N 0	WNW 1	-------	-------	-------
17	58.63	57.68	26	34.6	ESE 0	WNW 2	-------	NW -------	-------
18	58.32	58.36	25.4	34.6	N 0	WNW 1	-------	-------	-------
19	58.30	57.42	25.9	34.6	Calm	W 1	-------	-------	-------
20	57.68	56.41	25.8	35.1	Calm	W 1	-------	-------	-------
21	58.61	57.27	26.2	34.1	Calm	SW 2	-------	W -------	-------
22	58.88	57.43	25.7	34	NE 1	SSW 1	-------	-------	-------
23	58.88	57.77	26.2	34.6	Calm	WSW 2	-------	-------	-------
24	58.67	57.14	26.1	33	Calm	SW 1	-------	-------	.8
25	58.01	56.39	25.1	30.9	ENE 1	SSW 1	-------	SW -------	-------
26	57.46	57	25.5	30.8	Calm	SW 1	-------	SW -------	4.1
27	58.13	57.14	25	33.8	Calm	SW 1	-------	-------	-------
28	58.65	57.76	26.4	33.9	ESE 0	SW 1	-------	-------	-------
29	59.30	58.02	26.5	35.2	E 1	W 2	-------	-------	-------
30	59.20	57.63	27.5?	32.5	Calm	SW 1	-------	-------	-------
31	58.70	58.79	27.1	25	S 1	ENE 1	-------	-------	20.8
Mean	58.83	57.83	25.6	33.3	0.4	1.5	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	27.5

JUNE.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.81	57.45	24.9	32.9	Calm	W 1	-------	E	0.3
2	59.11	58.14	26	31	Calm	W 1	-------	-------	.3
3	59.03	58.04	26	34	Calm	SSW 1	-------	-------	10.7
4	58.54	56.84	25.9	32.1	SE 1	S 3	-------	-------	4.3
5	58.58	57.55	25.5	29.6	S 1	S 1	-------	S	.8
6	58.84	57.08	25	33.1	ESE 0	SSW 1	-------	-------	4.6
7	58.78	57.08	25.6	32.1	Calm	S 1	-------	-------	.5
8	59.17	57.35	26.6	31.4	Calm	SSW 1	-------	-------	-------
9	58.89	57.35	26	30.6	ESE 1	SSW 1	-------	-------	5.3
10	60.18	57.37	25.5	30.4	Calm	SSW 1	-------	-------	.8
11	58.82	58.78	26	27.8	Calm	S 0	-------	-------	-------
12	59.24	58.32	24.6	28.5	ESE 0	S 2	-------	-------	21.4
13	59.25	59.57	24.6	27	SE 0	Calm	-------	SW	8.1
14	59.11	57.98	24	31.5	ESE 1	SSW 2	-------	S	-------
15	58.70	57.12	25.1	32.1	Calm	SW 2	-------	-------	-------
16	57.58	56.94	25.5	30.5	Calm	S 2	-------	-------	45.2
17	57.60	57.75	24.5	31	Calm	S 2	-------	-------	.3
18	57.89	57.41	25.5	30.5	E 1	S 2	-------	-------	7.1
19	59.09	57.44	25.5	25.9	Calm	W 2	W -------	-------	30.8
20	58.99	56.87	24.1	30	SE 1	SSW 2	-------	SW	5.8
21	57.82	57.12	24.9	29.1	Calm	S 3	WSW	SW	16
22	58.56	57.61	24	30	Calm	SW 1	-------	-------	-------
23	58.66	57.39	25.2	31.9	Calm	SSW 1	-------	-------	5.3
24	58.26	56.86	24.7	31.1	SE 0	SW 1	-------	-------	.5
25	58.14	57.48	25	26.1	WNW 1	ESE 1	-------	-------	2.3
26	58.45	57.62	24	29.6	SSE 0	S 2	-------	SW	15.7
27	59.05	57.83	24.1	29.6	Calm	S 2	-------	-------	4.3
28	58.20	56.80	24.1	29.6	SE 0	S 1	-------	-------	3.3
29	58	57.04	24.5	29.6	E 1	S 3	-------	-------	4.3
30	58.20	57.91	24.5	25.6	Calm	Calm	-------	-------	12.7
31	-------	-------	-------	-------	-------	-------	-------	-------	-------
Mean	58.65	57.54	25	30.1	0.2	1.4	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	210.7

JULY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.47	56.91	23.8	30	ENE 1	SW 1	-------	S	6.7
2	58.59	57.58	24.1	27.4	Calm	S 1	-------	-------	17.3
3	58.41	57.66	24.1	29.5	SE 0	SSW 1	-------	-------	5.3
4	59.41	58.90	24.6	26	SE 1	W 1	-------	WNW	41.1
5	59.62	58.16	23	28.5	Calm	SW 1	-------	WSW	8.2
6	58.50	56.86	23.1	31	Calm	WSW 1	-------	-------	2.6
7	57.71	56.29	24	26.9	Calm	Calm	-------	-------	1.5
8	57.48	56.12	25.8	29.6	SSE 1	SSW 1	-------	-------	-------
9	56.82	56.31	23.6	28	Calm	S 2	-------	-------	21.6
10	57.80	57.31	24.6	29.1	Calm	S 3	S -------	-------	13.2
11	58.37	57.41	23.5	31.9	Calm	SW 1	-------	-------	17.8
12	57.81	57.02	23.4	30.4	Calm	Calm	-------	-------	9.7
13	57.45	56.66	24	28.1	ENE 1	S 2	-------	-------	1.5
14	56.79	57.38	25.1	28	Calm	E 0	-------	-------	10.2
15	57.55	57.18	24.5	29.5	E 1	SSW 2	-------	-------	3.8
16	58.70	57.76	24.6	28.5	SSW 0	Calm	-------	NW	.3
17	57.92	57.29	23.4	30.9	E 0	W 1	-------	-------	33.3
18	57.17	56.67	24.1	28.5	Calm	SW 2	NW	W	8.6
19	56.34	55.96	27?	25.1	WSW 3	Calm	W	W	63
20	56.32	57.18	27	25.8	S 3	S 2	SW -------	-------	31.2
21	58.04	56.47	24.1	28.1	NNW 1	S 3	SW	SW	.5
22	57.76	57.15	25	29.2	SSE 1	S 2	-------	S	1
23	57.11	58.06	23.8	23.5	Calm	Calm	-------	-------	36.1
24	57.57	57.81	23	29	S 0	Calm	-------	-------	5.8
25	58.62	57.41	23.5	29.8	Calm	Calm	-------	-------	6.9
26	57.94	57.01	23.9	29.5	Calm	NE 1	-------	-------	3.6
27	56.67	55.17	23.5	27	Calm	Calm	-------	-------	31.8
28	56.57	56.21	24	25.2	SSW 1	S 2	-------	-------	73.9
29	57.39	57.72	25.2	27.5	S 3	S 3	SW	SW	6
30	57.93	58.11	27.4?	25.8	S 2	SSW 1	SSW	SW	35
31	57.78	57.75	22.6	25.4	Calm	Calm	-------	-------	12.9
Mean	57.76	57.14	24.3	28.2	0.6	1.1	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	510.4

AUGUST.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	57.27	57.20	24.1	28.9	Calm	S 2	SW	-------	20.6
2	58.79	58.42	22.5	28	WNW 2	Calm	-------	-------	20.3
3	58.90	58.48	23.1	27.5	Calm	S 1	-------	-------	24.4
4	59.12	58.41	24.5	24.8	S 1	W 2	W	-------	2.8
5	58.18	57.25	22.8	30.4	Calm	SW 1	NW	-------	10.4
6	59.71	58.71	23.5	30.4	Calm	SSW 1	-------	-------	-------
7	59.76	59.38	23.6	26.5	Calm	W 1	-------	WNW	.5
8	59	57.51	23	31.1	E 0	W 1	-------	-------	.3
9	58.19	57.21	24.5	26.1	Calm	SSW 1	-------	-------	12
10	58.41	57.58	23.5	27.5	Calm	S 1	-------	-------	1
11	58.05	57.55	24.2	29	Calm	SSW 1	-------	SW	54.1
12	58.48	56.77	23.2	28.4	Calm	Calm	-------	SW	13.5
13	56.71	56.41	26.1	27.5	S 2	SSW 2	SW	SW	34.8
14	57.87	57.56	23.5	23.5	SE 0	Calm	SW	W	46.2
15	58.60	57.71	24	28.8	Calm	S 1	-------	-------	13.4
16	58.56	57.70	23.7	28	SE 0	W 1	-------	W	.5
17	58.26	57.07	23.6	31	Calm	SW 1	-------	W	63.7
18	57.62	56.91	23.5	28.4	Calm	Calm	-------	W	56.9
19	58.36	57.10	23.9	29.5	Calm	SW 1	-------	NW	32.8
20	58.47	57.39	23.5	26.5	SE 1	SW 1	-------	-------	8.4
21	58.41	58.35	23.8	25	Calm	S 1	-------	-------	43.9
22	58.76	57.63	23.9	28.2	E 1	SW 1	W	SW	43.2
23	58.52	56.77	23.6	29.5	Calm	SW 1	-------	W	39.6
24	58.62	58.12	23.5	26.6	Calm	Calm	-------	-------	32.5
25	58.53	57.27	23.1	31	NW 1	SW 1	-------	SW	14.5
26	57.15	55.63	24.6	28.1	W 1	S 3	-------	SW	60.4
27	55.89	54.99	26.6	26.2	S 5	WSW 4	SSW	SSW	19.8
28	55.59	55.30	26.9	29.5	S 4	SW 4	-------	SW	40.2
29	57.10	56.86	27	25.5	S 3	S 4	SW	-------	1.5
30	58.34	56.91	27.1	29.1	WSW 2	S 1	-------	SW	-------
31	56.38	55.22	27	30	SW 2	SSW 2	W	-------	7.6
Mean	58.12	57.27	24.2	28.1	0.8	1.3	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	719.9

SAN JOSE BUENAVISTA.

[ϕ=10° 44′ N; λ=121° 55′ E; barometer above sea, 5.4 meters; gravity correction not applied, —1.84 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	55.22	54.84	27.6	28.6	SSW 3	SSW 3	SW		15.7
2	56.61	56.07	24	29.4	Calm	SSW 2	SW	WSW	4.3
3	56.72	56.38	27.9	29.5	S 2	S 3			42.7
4	57.69	56.63	24.7	27.6	Calm	S 3			6.4
5	57.35	57.55	24	29.5	SE 0	W 1			
6	58.10	57.11	23.6	30.8	E 0	NW 1			13.5
7	57.86	56.86	23.5	23.4	Calm	Calm	NW		84.6
8	56.96	57.08	24.1	29.3	W 1	W 1		W	4.3
9	59.18	58.56	23.1	30.5	Calm	SSW 1	WSW		4.3
10	58.87	57.87	23.4	27.1	Calm	Calm		W	9.9
11	58.12	57.09	24	30.5	Calm	SSW 1		W	9.4
12	58.27	57.57	24.2	29.5	Calm	W 1	W		2.5
13	57.71	56.45	25.1	26	Calm	SW 1	W	W	23.1
14	56.24	54.55	24.5	31	Calm	WSW 2		W	21.6
15	54.32	53.38	25.1	29.1	W 1	SSW 3			24.6
16	55	54.74	25.8	27.5	SW 2	S 5	WSW	SW	58.9
17	56.92	56.77	26.5	29.6	SSW 3	SSW 2		SW	.8
18	57.39	56.12	25.1	30.2	W 3	SW 2		WSW	1.8
19	56.05	55.02	25	29.1	Calm	WSW 3			.6
20	56.28	56.49	25.4	24.5	Calm	Calm	WSW		48
21	58.06	57.32	24	25.7	Calm	WSW 1			12.7
22	59.31	58.58	23.4	29.2	ESE 1	Calm			1.5
23	59.86	58.54	24.1	31	Calm	W 1		NW	
24	59.22	57.77	23.5	27.1	Calm	W 1			
25	58.05	56.92	23	28.5	Calm	SW 1		W	16.5
26	57.68	56.32	22.5	30	Calm	SW 1			6.4
27	57.13	56.45	25.6	28.5	SSW 2	S 2		SSW	5.1
28	58.33	57.87	26.3	28.2	S 4	S 3		SSW	1
29	58.90	58.02	26	27.8	S 2	SW 1			6.9
30	57.85	57.24	24.1	26.7	SE 0	Calm	S		1.5
31									
Mean	57.51	56.74	24.6	28.5	0.8	1.5			
Total									428.6

OCTOBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.01	57.58	24.5	29.9	Calm	S 1		S	
2	59.46	58.90	23.5	31.9	SE 1	SW 1			
3	60.38	59.44	23.1	31.2	ESE 0	SSW 1			
4	59.58	58.03	23.5	31.1	SE 0	SW 1		NW	
5	58.68	57.38	23.1	28.5	ESE 1	Calm	WNW		3
6	58.87	57.85	23.5	28.6	Calm	S 1			80.6
7	60.39	59.18	24.4	25.9	S 1	S 2			54.4
8	60.01	58.35	23.7	29.5	Calm	S 2		SW	44.7
9	59.56	57.91	23.7	25.8	Calm	S 1		SW	34.8
10	58.47	56.99	24.1	27.6	SSW 1	S 4		SSW	14.2
11	57.21	56.42	25.5	28.2	S 3	S 3	SW	SSW	15
12	58.09	57.42	25	28.5	Calm	Calm	SW		1.1
13	58.77	56.50	24.4	30	Calm	WSW 1		W	6.6
14	56.45	55.31	24.1	28.5	Calm	NW 2		NNW	107.2
15	55.23	53.19	25	26.6	ESE 1	NNW 3		N	112.2
16	51.62	51.04	24.5	24	WNW 8	WNW 9			244.9
17	55.81	56.94	25	28.2	WSW 4	W 1			2.3
18	59.18	58.25	25.1	30	Calm	SW 2			
19	59.96	58.02	23.4	29.4	NW 1	WNW 1			.8
20	58.97	57.17	23.1	30.5	Calm	NW 1			
21	58.98	57.81	23.4	30.6	NW 1	NW 0			
22	58.86	57.28	23.4	31.5	Calm	NW 1			
23	58.69	57.23	23.8	32.5	Calm	Calm		W	
24	58.67	56.99	23.5	31	Calm	WNW 1		NW	
25	57.99	57.41	23.9	31.1	Calm	WNW 1		NW	
26	57.67	57.46	22.8	29.3	Calm	Calm			
27	58.93	58.26	23	29.9	WNW 0	SW 1			
28	59.58	58.41	23	29.9	Calm	Calm			
29	58.59	57.58	22	32.1	Calm	W 1			
30	58.96	58.43	23	32.6	Calm	W 1		W	
31	60.18	59	23	31.5	NW 1	W 1			
Mean	58.48	57.35	23.8	29.5	0.7	1.4			
Total									721.8

NOVEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.96	57.09	23.5	30.6	NW 1	WNW 2		NW	91.4
2	56.82	57.88	24.8	25	S 4	S 3			12.7
3	59.48	57.88	22.7	29.5	Calm	S 3			
4	58.95	58.01	22.5	28.5	ESE 0	S 1			
5	59.27	58.28	21	29.5	SE 1	ESE 2			20.6
6	55.86	52.13	23.6	25	NE 3	E 2		ESE	78.5
7	57.81	57.46	24	28	SE 1	E 1			11.4
8	59.42	58.21	23	28.8	Calm	S 1		E	
9	58.56	57.14	21.6	30.6	Calm	S 1		E	
10	57.96	56.72	22.1	30	SE 0	SW 2		E	.3
11	58.53	58.02	22.6	30.5	Calm	S 1			
12	59.22	57.76	23.5	29.5	Calm	S 0			
13	58.07	57.03	23.5	31.5	Calm	SW 2			
14	58.08	57.16	22.6	31.6	Calm	S 1			
15	59.22	57.81	22	31.1	S 1	SW 1			
16	58.88	57.81	22.5	31.9	SW 1	SW 1			
17	58.25	56.90	22.5	32.1	NE 0	SW 1			
18	58.32	56.90	21.6	32.2	Calm	SW 1			
19	58.67	56.95	21.5	32.1	W 0	WSW 1			
20	58.04	56.55	21	32	W 1	NW 2			
21	57.60	56.60	22.4	31.1	W 0	WNW 3		NNW	
22	57.98	56.86	23.4	27.4	Calm	N 2		NNE	6.4
23	57.62	55.77	23.4	31.1	Calm	W 0			
24	56.56	55.07	21.9	29	Calm	NNW 3			29.2
25	51.09	53.58	24.4	24.4	W 7	W 4			62.7
26	57.72	56.33	21.5	30	SW 1	NNW 1			
27	58.66	56.98	21.7	30	N 2	WNW 1			23.1
28	56.08	50.91	24.3	26	N 2	N 3	NNE		39.7
29	55.52	56.45	24.5	24.5	S 6	S 5			25.1
30	59.08	58.06	23	29.1	Calm	Calm	SW	SW	8.9
31									
Mean	57.91	56.68	22.8	29.4	1	1.7			
Total									410

DECEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	60.67	59.62	28.2	28.1	NE 1	Calm			
2	60.97	59.07	22	30	NE 1	NW 2		NW	
3	59.57	57.50	21.4	29.3	NE 1	N 2			1.3
4	58.55	57.38	22.7	28.6	NE 0	NNW 1		N	
5	58.47	57.81	21.6	30.1	NE 1	N 1			
6	59.22	58.63	21.1	29.1	NE 0	N 1			
7	60.05	59.02	22.2	30.6	Calm	N 1			1.8
8	59.63	58.58	20.5	29.8	Calm	N 2			
9	59.84	58.72	20.1	30.2	Calm	E 0		NE	
10	59.40	58.71	23.1	26.7	Calm	NE 1		E	1.3
11	59.30	58.18	22	31	Calm	E 2		E	
12	59.12	58.71	23.2	31	Calm	NW 2			
13	59.56	58.63	22	31	N 1	W 2		E	
14	60.15	58.73	22.4	31.4	Calm	W 1			
15	59.43	58.61	22.2	30.6	Calm	NW 2			
16	59.58	58.16	20.9	30.6	N 0	NW 2			
17	59.21	58.24	21.6	31.1	Calm	NW 2			
18	59.27	57.77	22.5	30	Calm	WNW 1			
19	58.99	57.80	20	30.6	N 1	N 2			
20	58.66	57.81	21	30.6	NNE 2	W 1	NE		
21	58.83	57.65	23.1	28.9	Calm	NE 1			.5
22	58.68	57.75	22.5	30.6	Calm	Calm			11.2
23	59.68	58.65	23.2	29.4	Calm	NE 1			
24	59.16	57.87	21.7	30.4	Calm	WNW 1			
25	59.10	58.31	22.5	28.7	Calm	Calm			.3
26	59.54	58.13	21.1	30.7	Calm	WNW 2			
27	59.01	58.50	22	30.6	Calm	NW 1		E	
28	60.36	58.92	21.5	31.2	NE 0	NW 2			
29	60.01	59.17	21.5	31.1	ENE 1	W 2			
30	60.49	58.90	20.5	31.6	ENE 1	WNW 2		E	
31	59.43	58.26	21.5	28.9	Calm	NE 1		ENE	
Mean	59.48	58.38	21.8	30.1	0.3	1.3			
Total									16.4

CUYO.

[ϕ=10° 51′ N; λ=121° 01′ E; barometer above sea, 4 meters; gravity correction not applied, —1.83 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	59.14	57.75	25.6	28.3	N	1	NNE	2	NE	NE	.....
2	59.68	58.75	25.4	28.8	NNE	2	NE	2	NE	ENE	.....
3	59.91	59.15	24.7	29.9	N	1	NE	2	NE	E	.....
4	60.69	59.19	24.8	29.4	NNE	1	NE	2	ENE	ENE	.....
5	59.37	58.47	24.6	29.4	ENE	1	ENE	2	E	E	.....
6	59.04	58.27	25	28.2	NNE	2	NNE	3	NE	NE	.....
7	59.81	59.18	25.3	28.5	NNE	2	NE	3	NE	ENE	.....
8	60.19	58.77	24.6	29.3	NNE	1	N	1	NE	NE	.....
9	60.24	59.10	23.6	30.1	N	1	NNW	1	NE	N	.....
10	60.76	60	25.1	29.2	NNE	1	N	2	NE	NE	.....
11	61.63	60.31	25.1	28.9	N	1	NNE	2	NE	NE	.....
12	61.71	60.72	23.1	30.4	Calm		NNW	1	ENE	NE	.....
13	61.19	59.70	25.4	30.3	ENE	1	NE	2	E	ENE	.....
14	62.19	60.87	24.2	29.4	NNE	1	NE	2	NE	NE	.....
15	61.59	60.68	25	28.6	NNE	2	NNE	2	NE	NE	.....
16	62.24	61.40	25.1	29.3	NNE	2	NNE	2	NE	NE	.....
17	62.02	61.37	24.9	29.7	N	1	NE	2	NE	E	.....
18	61.66	60.77	24.6	28.3	NNE	2	NNE	2	NE	NE	.....
19	62.39	61.75	25	28	NNE	1	NNE	2	NE	NE	.....
20	62.28	61.32	25.1	29	NNE	2	NNE	2	NE	NE	.....
21	61.88	61.27	25.2	28.9	NNE	2	NNE	2	NE	NE	.....
22	61.78	60.92	23.9	28.9	NE	1	NE	2	ENE	E	.....
23	61.61	61.36	23.9	29.4	N	1	NE	2	NE	NE	.....
24	62.06	61.59	24.7	29.9	N	2	NE	2	NE	E	.....
25	61.78	60.91	25	29.4	NE	2	NE	2	NE	ENE	.....
26	61.82	61.56	25.1	29.5	N	2	N	2	NNE	NE	.....
27	63.22	62.21	25	29.9	NNE	2	NNE	3	NE	NE	.....
28	62.84	61.45	24.9	28.9	NNE	2	NNE	2	NE	NE	.....
29	62.43	61.07	25	29	NE	3	NNE	3	S	E	.....
30	61.81	61.21	25	29.4	NNE	1	NE	2	NE	ENE	.....
31	61.79	61.05	24.7	29.6	N	2	NE	2	NE	ENE	.....
Mean	61.31	60.39	24.8	29.2		1.5		2	.....	.....	.....
Total	.....	.....	.....	.....	.....		.....		.....	.....	0

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	62.13	60.82	24.9	29.1	N	2	NE	2	NE	ENE	.....
2	61.83	61.02	24.9	29.2	N	2	NE	2	NNE	NNE	.....
3	61.96	60.59	25	29.1	NNE	2	NE	2	NE	ENE	.....
4	61.56	60.94	25.1	29.6	NNE	3	NE	3	NE	ENE	.....
5	62.05	61.15	25.9	29.4	NNE	1	NNE	2	NE	NE	.....
6	62.28	61.41	25.3	29	NE	2	NE	2	NE	NE	.....
7	62.34	61.35	24.7	30.2	NE	1	NE	2	ENE	NE	.....
8	62.42	60.61	24.4	29.5	NE	2	NE	3	ENE	ENE	.....
9	61.81	60.22	24.9	28.9	N	2	NE	3	.....	E	.....
10	61	59.80	25.7	28.8	NNE	2	NE	3	NE	ENE	.....
11	60.35	59.92	25.5	30.1	NE	2	NE	2	ENE	E	.....
12	60.24	58.75	25.1	28.9	NE	2	NE	2	ENE	ENE	.....
13	59.39	58.42	24.5	28.3	NE	1	NNE	2	E	NE	.....
14	58.81	58.11	24.9	29.1	NNE	1	NE	2	NE	ENE	.....
15	58.60	58.21	25.4	29.1	NNE	2	ENE	2	NE	E	.....
16	59.09	58.65	26.5	30	NE	1	NE	2	ENE	E	.....
17	59.45	58.96	25.6	30.8	NNE	1	NE	1	NE	ENE	.....
18	59.56	58.97	25.9	30.4	N	2	NNW	2	NNE	NNE	.....
19	60.40	59.37	25.7	29.3	N	3	NE	3	NNE	E	.....
20	59.39	59.36	25.5	27	NE	3	NE	3	ENE	ENE	.....
21	60.49	59.22	24.9	29.6	NE	1	NNE	2	ENE	NE	.....
22	60.44	59.26	23.4	30.9	E	1	NE	2	.....	E	.....
23	59.27	58.97	25.3	30.1	NE	2	NNE	2	ENE	ENE	.....
24	58.60	57.94	25	31.1	NE	1	NE	2	ENE	E	.....
25	59.47	58.99	25.6	29.4	NE	2	NE	2	E	E	.....
26	59.27	58.37	25.1	31.2	N	2	NE	2	NE	E	.....
27	59.25	57.97	24.9	31.1	NE	1	ENE	2	E	E	.....
28	58.99	57.69	24.9	30	NE	1	NE	2	E	ENE	.....
29	58.67	57.71	25.4	30.6	NE	2	NE	2	E	E	.....
30	.....	.....	.....	.....	.....		.....		.....	.....	.....
31	.....	.....	.....	.....	.....		.....		.....	.....	.....
Mean	60.31	59.41	25.2	29.6		1.7		2.2	.....	.....	.....
Total	.....	.....	.....	.....	.....		.....		.....	.....	0

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	58.35	58.31	25.1	29.9	E	1	N	2	.....	NE	.....
2	59.71	59	25.1	30.3	NE	2	NNE	2	NE	NE	.....
3	60.37	59.86	25.2	30.6	NE	1	NE	2	E	ENE	.....
4	60.20	59.07	25.3	31.3	NNE	1	N	2	NE	NE	.....
5	59.40	59.10	24.9	31.1	N	1	N	1	NE	ENE	3.8
6	59.67	59.07	24.9	30.6	E	1	NNE	2	ESE	ENE	.....
7	59.84	59.06	25.9	30.3	N	1	NE	2	NE	E	.....
8	60.01	59.63	24.9	31.3	NE	1	NE	2	E	ENE	.....
9	61.72	60.34	24.4	30.9	Calm		N	2	SE	NE	.....
10	60.79	59.80	24.1	30.4	N	2	N	2	NE	ESE	.....
11	59.51	58.94	22.9	30.6	Calm		N	1	.....	NE	.....
12	58.35	57.55	22.7	32.4	ENE	1	NE	1	E	E	.....
13	58.46	58.05	23.8	31.6	ESE	1	NNW	1	SE	N	.....
14	59.22	58.60	26.4	30.9	NNE	2	N	2	NE	NE	.....
15	59.36	59.13	23.4	30.4	E	1	N	2	E	NE	.....
16	59.80	58.99	25.1	31.1	ENE	1	N	2	E	NE	.....
17	60.29	59.75	24.4	29.9	NE	1	NNE	2	E	NE	.....
18	60.53	59.74	25.3	30.8	N	2	E	1	NE	.....	.....
19	60.82	59.86	24.4	31.2	NE	1	NNE	2	E	NE	.....
20	60.65	59.64	25.3	31.7	N	1	NNE	1	NE	NE	.....
21	60.76	60.41	25	30.1	NNE	1	NNE	2	NE	ENE	.....
22	61.51	59.98	25.9	30.2	NNE	1	NNE	2	NE	NE	.....
23	60.95	59.55	25.8	31.7	NE	1	NNE	2	E	E	.....
24	60.93	60.13	25.6	31.4	N	1	NNE	2	NNE	NE	.....
25	61.57	60.29	25.6	31.9	NNW	1	N	2	.....	ESE	.....
26	61.47	59.83	24.9	30.7	E	1	N	2	.....	E	.....
27	61.16	60.15	25.6	32.4	N	1	N	2	NE	NE	.....
28	60.43	60.06	25.9	31.3	N	1	NNE	1	.....	NE	.....
29	60.20	60.01	25.9	31.1	N	1	N	2	.....	NE	.....
30	60.01	59.68	25.7	31.4	N	1	N	2	.....	NE	.....
31	59.91	59.35	26.1	30.6	NNE	2	N	2	NE	NE	.....
Mean	60.19	59.45	25	31		1.1		1.8	.....	.....	.....
Total	.....	.....	.....	.....	.....		.....		.....	.....	3.8

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	59.56	58.80	25.4	30.9	NE	1	N	3	E	NE	.....
2	60.36	59.45	25.9	30	N	1	N	2	.....	NE	.....
3	60.33	59.50	25.9	30.6	NNE	1	NE	2	NE	ENE	.....
4	59.43	58.50	25.9	31.2	N	1	N	2	.....	NE	.....
5	59.03	59.05	25.1	31.5	Calm		N	2	.....	NE	.....
6	59.73	59.39	26.4	31.9	NNE	1	N	2	NE	NE	.....
7	60.48	59.46	26.6	30.6	N	1	N	2	NE	NE	.....
8	60.12	59.58	26.4	31.4	NE	1	NNE	2	ENE	ENE	.....
9	60.22	59.85	26.4	31.4	N	1	N	2	NE	NE	.....
10	61.13	60.91	27	31.4	NE	2	NNE	2	ENE	NE	.....
11	61.32	59.58	26.7	31.7	NNE	2	N	3	NE	NNE	1.3
12	61.98	60.43	25.4	31	E	1	N	1	NE	NE	.....
13	62.10	61.34	26	31.4	E	1	N	2	ESE	E	.....
14	61.68	59.43	26.5	32.7	N	2	NE	2	NE	NE	.....
15	60.45	59.23	26.6	31.4	N	1	NNE	2	.....	NE	.....
16	60.17	59.04	26.4	32.9	NNE	2	NNE	2	.....	ENE	.....
17	60.31	59.60	26.4	32.4	NNE	1	NNE	2	ENE	ENE	.....
18	60.12	59.70	26.1	32.5	NNE	1	NNE	2	.....	NE	.....
19	59.78	59.03	26.5	32.4	NNE	1	NNE	2	.....	NE	.....
20	58.91	58.28	26.4	33	Calm		N	2	.....	NNE	.....
21	58.26	57.87	26.8	32.2	NNE	1	NE	2	.....	E	.....
22	58.81	57.73	27.4	33	NE	3	NE	3	E	E	.....
23	58.42	57.33	26.9	33.1	N	1	NNE	2	.....	SE	.....
24	58.61	57.84	26.9	32.6	N	1	NE	2	NE	E	.....
25	58.34	57.83	27	32.4	N	2	NNE	2	NE	NE	.....
26	59.04	57.75	27.9	32.9	N	2	N	2	.....	.....	.....
27	59.23	58.43	27.4	31.8	N	2	NE	2	NE	E	.....
28	59.15	58.20	27.4	32.3	N	2	NNE	2	NE	NE	.....
29	58.61	58	27.3	33.1	N	1	WNW	1	E	N	.....
30	57.44	56.45	26.8	31.9	SSW	1	N	1	SW	NE	6.4
31	.....	.....	.....	.....	.....		.....		.....	.....	.....
Mean	59.78	58.92	26.5	31.9		1.3		2	.....	.....	.....
Total	.....	.....	.....	.....	.....		.....		.....	.....	7.7

CUYO.

[$\phi = 10° 51'$ N; $\lambda = 121° 01'$ E; barometer above sea, 4 meters; gravity correction not applied, —1.83 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	57.62	56.94	26.3	31.6	S 1	S 2	N	NNE	------
2	57.79	57.48	24.9	33.1	Calm	NNE 1	N	NE	------
3	59.37	58.85	27.4	32.1	NE 1	N 2	E	E	------
4	60.20	59.25	27.6	33.4	N 2	N 2	NNE	NNE	------
5	59.56	58.62	27.5	32.1	N 2	N 2	NE	NE	------
6	59.03	57.88	23.9	32.8	SE 1	NW 2	------	E	------
7	59.24	58.38	24.7	33.6	Calm	NW 2	------	NNE	------
8	59.37	58.64	26.4	33.3	S 1	NW 2	W	N	------
9	58.57	57.50	25	33.9	Calm	NW 1	N	NNE	4.3
10	58.89	58.41	25.1	31.4	Calm	S 1	NNE	SE	------
11	59.72	58.27	25.1	32	Calm	NNW 1	SE	NE	------
12	58.86	58.02	26.1	34	Calm	SSE 1	E	E	------
13	58.69	57.79	26.4	33.4	Calm	NW 2	SSW	SSE	------
14	58.58	58.30	25.6	33.9	SE 1	NW 1	S	N	------
15	58.87	58.22	25.6	33.4	Calm	WNW 2	SE	E	------
16	58.56	57.93	26.2	34	Calm	W 1	SE	SSE	------
17	58.36	58.20	26.4	32.9	SE 1	Calm	S	E	39.1
18	58.44	58.23	24.9	32.6	Calm	W 1	SE	NE	------
19	58.07	57.15	28.5	33.1	Calm	NE 2	SE	E	------
20	57.48	56.58	28.2	33.6	NNE 1	N 2	NE	E	------
21	58.08	57.22	27.4	32.5	SSE 1	WNW 2	S	NW	------
22	58.64	57.58	26.1	32.8	Calm	W 2	NE	NW	------
23	58.77	57.84	27.1	32.3	Calm	W 1	NE	NE	2.8
24	58.46	56.78	26.6	33.1	Calm	NW 1	NW	N	------
25	57.68	56.33	27.9	32.4	NW 2	Calm	N	E	.8
26	57.56	56.97	26.6	32.7	Calm	NW 1	E	N	------
27	57.86	56.94	27.6	32.6	Calm	NW 1	E	NE	------
28	58.48	57.92	27.4	30.4	Calm	WNW 1	S	N	37.6
29	59.24	57.95	26.4	32.9	SE 1	W 1	S	SE	2.1
30	59.12	57.54	25.6	32.1	NE 1	S 2	E	SSE	------
31	58.04	57.69	26.2	28.4	Calm	W 2	N	NE	19.8
Mean	58.62	57.79	26.3	32.7	0.5	1.4	------	------	------
Total	------	------	------	------	------	------	------	------	106.5

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.69	57.56	24.9	32.8	Calm	NW 1	NE	E	------
2	58.83	58.50	27.5	30.9	Calm	N 1	SW	E	------
3	58.91	58.08	26.9	32.4	Calm	S 1	NNW	E	6.4
4	58.12	57.10	26.4	32.9	SE 1	SSE 2	NW	S	------
5	57.75	57.41	26.9	32.4	SSE 2	S 2	S	SW	------
6	58.57	56.86	26.5	31.8	Calm	W 2	S	N	20.6
7	58.80	56.66	25.7	32.1	Calm	Calm	N	NW	.5
8	58.77	57.23	25.1	30.7	Calm	S 1	NW	WSW	.8
9	58.57	57.39	25.9	33.4	NW 1	NW 1	SSW	NE	17.8
10	59.60	57.52	26.5	29.9	NW 1	Calm 1	N	N	.8
11	58.63	58.10	26.6	29.6	S 1	NW 1	SW	SE	.5
12	58.97	57.87	26.4	28	S 2	S 1	SSW	SSE	32.2
13	59.45	58.54	24.9	26.3	W 1	Calm	S	E	11.7
14	58.87	57.75	24.7	32.8	Calm	S 2	SSE	SSE	------
15	58.01	57.23	25.9	31.6	S 1	S 1	SSW	SW	------
16	57.31	56.50	26.5	30.4	S 1	S 1	SW	SW	8.1
17	57.09	56.49	27	28.5	SW 2	SSE 1	W	S	7.4
18	57.36	56.43	26.6	30.6	S 2	S 2	SW	SW	8.7
19	57.86	56.75	26	32.4	S 1	SSW 3	SW	SW	------
20	57.71	56.37	25.7	32.4	SE 1	S 3	S	SSW	1
21	57.52	56.41	26.9	31.2	SW 3	S 3	WSW	SSW	4.8
22	57.97	56.94	25.8	31.6	Calm	S 2	------	SW	4.9
23	58.81	56.95	26.4	31.4	Calm	S 2	SE	SW	------
24	58.17	56.60	25.9	32.1	Calm	S 1	W	SE	5.1
25	57.99	56.85	26.6	30.1	Calm	S 1	N	SW	7.4
26	58.19	57.60	25.3	29.4	S 1	WSW 2	SSW	SW	18.5
27	58.79	57.03	24.9	28.6	Calm	S 1	S	SSW	.5
28	58.09	56.45	25.5	31.4	S 1	SSE 2	SSW	SSW	------
29	57.83	56.94	26.6	32.4	S 1	S 1	SSW	SSW	2.8
30	57.95	57.29	24.9	31.4	Calm	S 1	SW	SW	.3
31	------	------	------	------	------	------	------	------	------
Mean	58.31	57.18	26	31	0.8	1.4	------	------	------
Total	------	------	------	------	------	------	------	------	160.8

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.49	56.92	26.4	33.3	Calm	SSW 2	NW	SW	63
2	58.74	56.81	24.1	26.7	Calm	S 1	------	------	4.8
3	58.19	57.22	24.9	29.4	S 1	S 2	SW	SW	6.6
4	59.49	58.68	25.1	29.4	SW 3	WNW 3	WSW	NW	58.2
5	59.44	58.06	24.9	27.1	Calm	WSW 3	SW	WNW	4.8
6	58.68	56.71	24.6	30.6	Calm	NNE 1	N	N	------
7	58.57	56.44	26.4?	29.8	Calm	Calm	SW	SW	28.4
8	57.40	56.06	25.5	28	E 1	ESE	SW	E	7.9
9	56.64	56.35	24.6	28.5	ESE 1	SW 2	SE	WSW	15.3
10	57.45	56.92	25.1	30.3	SE 1	SSW 2	SSW	SW	3
11	58.14	57.45	24.6	31	E 1	S 1	ESE	SW	------
12	57.48	57.02	25	30.8	SE 1	W 1	ENE	SW	------
13	57.01	56.40	27.1	31.3	N 2	N 2	NNE	NNE	11.2
14	56.88	56.94	26.6	26.9	N 2	NNE 1	NNE	NE	18.3
15	57.69	57.42	24.6	27.9	Calm	N 2	NE	NE	9.9
16	58.24	57.12	24.6	30.9	SE 1	NW 1	SSE	S	.5
17	57.97	57	24.7	29	Calm	SW 2	SE	WSW	40.3
18	56.95	56.19	25.4	25.9	NNW 2	W 3	NW	WNW	78.3
19	55.73	55.21	26.6	26.6	SW 3	SW 5	WSW	WSW	13.2
20	55.98	56.16	25.4	29.8	S 3	SSW 3	SSW	SW	23.4
21	56.95	55.75	26?	30.1	S 3	SSE 3	SSW	S	4.6
22	56.96	56.58	27.2	30.4	S 3	S 2	SSW	SSW	6.4
23	56.48	56.62	25.1	25.6	S 1	SSW 2	NE	SW	27.4
24	57.08	57.32	24.2	28	WSW 2	S 2	------	SSW	16.8
25	58.33	57.62	23.9	30.4	SE 1	S 1	------	SW	26.9
26	57.99	57.17	23	31.1	Calm	N 1	NE	SW	------
27	56.56	55.10	26.6	31.1	N 2	NNE 2	NNE	NW	12.2
28	56	55.36	24.9	29.7	S 2	S 3	SSW	SSW	12.7
29	57.17	57.07	26	28.1	SW 2	S 3	WSW	SSW	10.5
30	57.50	57.44	26.9?	27.5	S 2	S 2	SSW	SSW	17.5
31	57.24	57.36	25	30.2	S 2	SSW 2	SW	SW	6.1
Mean	57.53	56.79	25.3	29.2	1.4	1.9	------	------	------
Total	------	------	------	------	------	------	------	------	528.2

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	56.59	56.78	26.8	29.3	SSE 3	SSW 3	S	SW	50.8
2	57.71	57.97	24.5	27.6	S 2	Calm	------	SW	26.4
3	58.16	57.78	25.1	29.3	S 3	S 2	W	SSW	20.6
4	58.60	57.95	25.1	24	S 1	Calm	SSW	------	34.1
5	57.89	57.15	22.6	30.1	ESE 1	SSW 1	------	SW	30.4
6	58.76	58.56	23.7	30.4	Calm	S 1	S	WSW	------
7	59.67	59.17	24.8	27.9	SE 1	SW 2	NW	W	------
8	58.81	57.27	24.4	29.4	SE 1	SW 1	SW	W	4.6
9	58.10	56.96	24.8	30.3	SW 1	S 2	W	SW	4.8
10	57.84	57.66	24.2	30.4	S 1	S 2	SW	SW	22.6
11	57.69	57.15	26.1	31.6	S 2	S 2	SW	SW	34.8
12	57.47	56.20	25.9	30.9	S 3	SSW 2	SW	SW	20.8
13	56.34	56.48	26.2	25	SSW 3	SSW 2	SW	------	79.8
14	57.14	56.84	25.9	24.6	SSW 3	S 1	SW	SW	28.4
15	58.30	57.70	25.9	29.3	S 1	SSW 2	SW	SW	------
16	58.40	57.65	25.6	29.4	SW 1	WSW 2	W	W	------
17	57.80	57.21	25.1	30.4	SSW 1	SW 1	SW	WSW	21.1
18	57.47	57.06	24.9	27.1	Calm	SSW 1	WSW	SW	37.9
19	57.62	56.82	25.1	27.6	S 1	WSW 3	SSW	W	5.8
20	58.05	57.01	25.1	31.1	SW 1	WSW 2	W	W	16.8
21	58.15	57.61	25.6	27.1	WSW 3	SSW 3	W	SW	24
22	58.25	57.65	25.4	28.8	WSW 2	SSW 3	W	SW	46.2
23	57.95	56.50	24.4	28.5	WNW 2	SSW 2	NW	SW	4.6
24	58.65	57.67	24.4	28.7	SSW 1	SSW 2	SW	SW	3
25	58.13	56.68	25.4	31.6	SW 2	SW 2	W	W	3.8
26	56.70	55.18	25.4	32	WSW 2	SSW 3	W	SW	15.2
27	55.02	54.05	26.3	28.6	SSW 3	SW 5	SW	WSW	4.5
28	54.64	55	26.9	28.5	SSW 5	SSW 4	SW	SW	8.2
29	56.49	55.93	26.9	31.4	SSW 3	SW 3	SW	WSW	6.9
30	57.84	56.69	26.4	31.3	SW 2	SW 2	WSW	WSW	------
31	55.91	54.90	27	31.1	SSW 2	SSW 3	SW	SW	2.4
Mean	57.62	56.94	25.4	29.1	1.8	2.1	------	------	------
Total	------	------	------	------	------	------	------	------	558.5

CUYO.

[ϕ=10° 51′ N; λ=121° 01′ E; barometer above sea, 4 meters; gravity correction not applied, —1.83 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	55.09	54.37	27.1	29.4	SSW	3	SSW	3	SW	SW	15.2
2	56.03	55.52	26	29.9	SSW	2	SW	3	SW	WSW	------
3	56.46	55.64	27.2	32.1	SW	3	SSW	4	WSW	SW	10.8
4	56.93	55.87	26.4	29.9	SSW	2	SSW	3	SW	SW	21.6
5	56.98	56.97	26.5	28.3	SW	3	SW	1	S	SSW	19.5
6	58.24	57.10	25.5	30.4	N	2	NNE	1	NNE	NE	42.9
7	58.09	55.65	23.9	26.4	WSW	3	WNW	2	W	NW	80.3
8	56.85	57.03	25.4	28.9	NW	4	NW	2	NNW	NNW	------
9	58.73	58.11	24.5	31.4	NW	1	SW	2	WSW	WSW	------
10	58.48	57.34	26.3	31.2	W	2	WSW	2	WSW	W	13.8
11	57.59	57.02	24.7	30.3	SW	2	WSW	2	WSW	W	20.1
12	58.08	57.20	25.6	29.7	WSW	2	NW	2	W	NNW	2.3
13	57.42	56.19	26.6	31.7	WSW	3	SW	3	W	W	1.3
14	55.63	54.17	26.6	30	W	2	SW	3	W	WSW	18.8
15	53.42	52.95	26.4	29.9	WSW	4	SSW	4	W	SW	2
16	54.62	54.27	27.2	27.9	SW	3	WSW	4	WSW	W	5.8
17	56.52	56.02	26.1	29.7	SSW	3	SW	3	SW	WSW	5.8
18	56.80	55.85	25.6	30.2	SW	3	SW	2	WSW	WSW	------
19	55.58	54.85	25.9	30.3	SSW	2	SSW	2	SW	SW	------
20	55.97	55.72	26.4	28.4	W	3	SSW	2	WSW	SW	30.1
21	57.54	56.82	24.6	30.1	SSE	2	SW	2	SSE	WSW	3.6
22	58.90	56.62	24.4	30.4	SSE	1	S	2	S	SSW	------
23	59.55	58.54	26	31.9	WNW	1	WNW	1	NW	NW	------
24	59.39	57.74	24.4	26.9	NNW	2	NE	1	N	NE	8.1
25	58.24	56.71	23.9	28.6	ESE	2	NNE	2	NE	NE	25.1
26	57.41	56.21	24.4	30.3	SSE	1	SSW	1	N	SW	8.3
27	56.74	56.15	25.1	31.3	SW	2	SSW	2	W	SW	------
28	57.41	56.21	24.4	30.3	SSW	2	SSW	3	WSW	W	.9
29	58.45	57.85	26.3	26.9	SSW	2	SSW	1	SW	SW	------
30	57.47	56.96	26.6	30.5	S	2	SSW	2	SSW	SSW	------
31	------	------	------	------	------	------	------	------	------	------	------
Mean	57.15	56.26	25.7	29.8	2.3		2.2		------	------	------
Total	------	------	------	------	------	------	------	------	------	------	336.3

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	58.60	57.40	24.4	31	SE	1	SSW	2	------	SW	------
2	59.15	58.90	24.3	32	SSE	1	SSW	1	------	SSW	------
3	60.02	59.53	24.9	31.4	SSE	1	WSW	2	SSW	W	2
4	58.97	57.86	25.7	31.1	WSW	2	SW	1	W	WSW	1.8
5	58.63	57.17	25.1	28.1	SE	1	NNW	1	N	N	33.9
6	58.70	57.71	25	30.4	Calm		SSW	2	SW	SW	73.3
7	59.56	58.53	23.9	28.5	NE	1	SW	2	------	WSW	20.5
8	59.63	58.09	24.1	30.3	SSE	1	SW	2	SW	SW	11.7
9	58.04	57.42	24.4	27.4	SE	1	S	2	S	SW	8.4
10	57.95	56.46	24.9	29.4	SSW	2	SSW	2	SW	SW	10.6
11	56.44	56.22	25.5	26.4	SSW	2	SSW	2	SW	SW	4.6
12	57.73	56.90	24.6	30.9	Calm		SSW	2	SW	SW	9.1
13	58.30	57.02	24.4	25.4	Calm		NNW	2	NE	N	15.5
14	56.45	55.55	24.9	29.4	Calm		NNW	2	N	N	------
15	55.56	53.93	27.4	28.4	N	2	NNW	3	N	N	12.2
16	54.24	52.51	26.2	25.3	NW	7	NW	8	NNW	------	80.5
17	55.58	55.99	24.9	27.5	WSW	9	SW	4	W	WSW	4.3
18	58.44	57.91	25.9	30.9	SSE	2	SSE	2	S	S	------
19	59.69	58.12	24.3	30	ENE	1	N	2	ENE	NE	------
20	59.03	57.27	26.1	29.4	N	2	NNE	2	NE	NE	------
21	59.01	57.77	26.3	30.1	NNE	2	NNE	2	NE	NE	------
22	58.44	57.27	26	30.1	NE	1	NNE	2	ENE	NE	------
23	58.51	57.09	26.2	30.4	NE	1	NNE	2	ENE	NE	------
24	58.38	57.15	25.1	30.7	N	1	NNE	1	NE	NE	15.9
25	57.70	57.09	25.9	30.4	NNE	2	NNE	2	NE	NE	------
26	57.65	57.24	23.9	31.4	SSE	1	SSW	2	WSW	W	------
27	58.56	58.16	24.4	32.2	SSE	1	SSW	2	S	SW	------
28	59.45	58.51	23.7	29.4	E	1	NNW	1	E	------	------
29	58.37	56.67	26.2	31	NNE	2	NE	2	NE	------	------
30	58.71	58.47	25.5	30.6	ENE	1	NNW	2	E	SW	------
31	59.88	58.84	23.9	30.9	NNE	1	NE	2	NE	ENE	------
Mean	58.24	57.25	25.1	29.7	1.6		2.1		------	------	------
Total	------	------	------	------	------	------	------	------	------	------	304.3

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	59.78	57.56	27.1	30.2	NNE	1	NNE	2	NE	NE	43.2
2	56.39	56.68	26.9	26.4	N	5	S	6	NNE	SSW	3.9
3	59.03	57.71	25.1	28.9	SE	2	S	1	S	SSW	.8
4	58.79	57.80	23.5	30.2	ENE	1	NNE	1	NNE	NE	1.3
5	59.46	58.32	26.3	29.4	NNE	2	NNE	3	NE	NE	------
6	56.53	50.65	25.2	25.4	N	3	NNW	10	NE	N	89.2
7	57.35	57.62	24.9	27.8	SE	2	SSE	2	SE	S	------
8	59.36	58.03	25.4	29.4	NE	2	NNE	2	ENE	NE	------
9	58.43	57.02	25.9	29.9	NE	1	NE	2	ENE	ENE	------
10	57.63	57.06	26.4	29.3	NNE	3	NNE	3	NE	NE	------
11	58.37	58.12	26.3	29.7	NE	2	NE	2	E	ENE	------
12	59.44	57.85	25.9	29.7	NE	1	NNE	3	NNE	NE	------
13	58.01	57.10	26.9	30.4	NNE	2	NE	2	NE	ENE	------
14	58.03	57.35	26.4	29.7	NNE	2	NNE	2	NE	NE	------
15	59.01	58.05	26.1	29.4	NNE	2	NNE	2	NE	NE	------
16	58.61	58	26.6	29.6	NNE	2	NNE	2	NE	NE	------
17	58.04	57.14	26	30.4	NNE	1	NNE	2	NE	NE	------
18	58.07	56.76	26.6	30.1	NNE	2	NNE	2	NE	NE	------
19	58.72	57.26	26.4	29.7	NNE	2	NNE	2	NE	NE	------
20	58.04	56.81	26.6	29.6	NNE	2	NNE	2	NE	NE	------
21	57.63	56.97	26.6	29.4	NNE	2	NNE	3	NE	NE	------
22	57.93	56.66	26.2	28.9	ENE	3	NE	3	NE	NE	------
23	57.58	56.28	26.4	28.7	NNE	3	NNE	3	NE	NE	------
24	56.42	55.65	26.5	28.8	NNE	3	NNE	3	NE	NE	18.5
25	53.70	52.31	25.4	23.6	NNW	3	WNW	6	------	NW	40.7
26	57.46	56.18	21.6	29.3	ENE	1	E	2	------	SE	------
27	58.44	57.22	24.5	28.8	NNE	1	NNE	2	------	NE	16.4
28	56.84	52.13	25.1	26.3	NNE	1	N	6	NE	NNE	78.8
29	53.71	54.79	25.4	25.6	SSE	2	SSE	5	S	S	54.7
30	58.91	57.71	23.9	30.2	SE	2	SSE	3	SSW	SW	------
31	------	------	------	------	------	------	------	------	------	------	------
Mean	57.86	56.63	25.7	28.8	2		3		------	------	------
Total	------	------	------	------	------	------	------	------	------	------	347.5

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	60.37	59.74	24.7	29.8	ESE	1	SSW	1	SSE	SW	------
2	60.86	59.14	23.9	28.9	NNW	1	NNE	2	N	NE	------
3	59.77	58.08	26.1	29.4	NNE	2	NNE	2	NE	NE	------
4	58.78	57.30	25.5	29	N	1	NNW	1	NE	N	------
5	58.35	57.79	24.7	30.1	WNW	2	WNW	2	NW	NW	------
6	59	58.42	22.4	29.1	SE	1	NNW	1	S	SE	------
7	59.97	59.10	25	29.2	NE	2	NNE	3	NE	NE	------
8	59.64	59.01	24.9	27.8	NNE	3	NNE	3	NE	NE	------
9	59.63	59.12	25.4	28.3	NE	3	NNE	3	NE	NE	------
10	59.61	58.76	25.9	27.5	NE	3	NNE	3	NE	NE	------
11	59.24	58.46	25.6	28.4	NE	3	NNE	3	NE	NE	------
12	59.15	58.78	25.9	28.7	NE	2	NNE	3	NE	NE	------
13	59.82	58.72	25.9	28.6	NNE	3	NNE	3	NE	NE	------
14	60.31	59	26.3	28.7	NNE	2	NNE	2	NE	NE	------
15	59.57	58.87	26.2	29.4	NNE	2	NNE	2	NE	NE	------
16	59.46	58.28	26.2	29.2	NNE	2	NNE	2	------	NE	------
17	59.19	58.37	25.8	29.8	ENE	2	NNE	2	E	ENE	------
18	59.33	57.53	25.9	28.3	NNE	2	NNE	2	NE	NE	------
19	58.66	56.92	24.6	29.3	ENE	1	N	2	NW	NNE	------
20	58.53	57.88	26.1	29.2	NNE	2	NNE	2	NE	NE	------
21	58.88	57.65	26.4	29.1	NNE	2	NNE	2	NE	NNE	------
22	58.48	58.07	25.9	28.6	NNE	2	NNE	2	NE	NE	0.4
23	59.82	58.72	25.6	27.4	NNW	3	NNE	3	NNE	NNE	------
24	59.04	58.30	25.4	27.9	NNE	3	NNE	3	NE	NE	------
25	59.34	58.26	25.4	28.9	NNE	2	NNE	2	NE	NE	------
26	59.95	58.42	25.6	28.7	NE	1	NNE	2	NE	NE	------
27	59.47	58.73	25.9	29.1	NE	1	ENE	2	NE	ESE	------
28	59.62	58.92	25.8	28.9	ENE	2	NE	2	ESE	ENE	------
29	59.87	59.59	26.5	29.8	NE	2	NE	2	ENE	ENE	------
30	60.47	59.35	25.7	29.3	NE	1	NE	2	ENE	ENE	------
31	59.81	59.75	26.2	29.3	NNE	2	NNE	2	NNE	NE	------
Mean	59.48	58.55	25.5	28.9	2		2.2		------	------	------
Total	------	------	------	------	------	------	------	------	------	------	.4

GUIUAN.

[$\phi = 11° 02'$ N; $\lambda = 125° 44'$ E; barometer above sea, 4 meters; gravity correction not applied, —1.83 mm.]

JANUARY.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	57.41	56.80	25.2	27.2	NE 2	NE 1	ENE	E	
2	57.84	57.67	24.3	27.5	NE 1	NE 2	E	E	1
3	58.63	58.53	24.3	25.9	NE 1	NE 2	E	E	2.1
4	59.19	58.46	25.1	28.8	NE 2	NE 1	E	E	.5
5	58.59	57.75	25	28.4	ENE 2	NE 2	E	E	14.5
6	57.78	57.11	24.8	27.9	NE 2	NE 2	E	E	8.1
7	58.11	57.84	24.7	26.8	NE 3	NNE 3	ENE	ENE	8.4
8	58.54	57.63	23.2	27.9	NNE 1	E 1	ENE	ENE	1.8
9	58.19	57.60	22.3	27.3	Calm	Calm	E	E	
10	58.99	58.70	20	24.8	Calm	Calm	E	E	1.8
11	60.08	59.05	20.9	28.4	N 1	NE 1	E	E	
12	59.74	58.73	21.4	25.2	Calm	ENE 1	E	E	38.8
13	59.74	59.02	25.3	27.2	NE 3	NNE 4	E	E	
14	60.08	58.76	24.4	27.3	NE 1	NNE 3	E	NE	
15	59.62	59.02	24.7	27	NNE 1	NE 1	E	ENE	
16	60.17	59.93	24.5	27.7	NNE 1	NE 3	ENE	ENE	
17	60.27	59.60	23.9	27.7	N 1	NNE 4	E	NE	
18	60.16	59.71	25.3	27.7	NE 4	NE 4	ENE	ENE	
19	60.51	60.40	23.9	27.9	N 1	N 3	NE	ENE	
20	60.48	59.47	23.7	27.1	NNE 1	NNE 2	NE	ENE	
21	59.97	59.68	24.5	27	NNE 2	N 4	ENE	ENE	
22	59.87	59.33	24.4	27	N 2	NNE 3	ENE	ENE	5.1
23	59.57	59.34	20.7	27.9	Calm	NE 1		E	
24	60.66	60.25	18.6	28.6	Calm	NE 1		ENE	
25	60.32	60.03	22.4	28.1	NE 1	NNE 2	E	ENE	
26	60.11	59.85	23.9	27.9	Calm	NNE 2	E	E	5.8
27	60.83	60.17	25	27.1	NNE 1	NNE 4		ENE	4.3
28	60.71	59.50	24.1	27.6	Calm	N 4	E	NE	1.5
29	60.42	59.20	23	26.9	N 1	NNE 2	ENE	ENE	
30	59.91	59.42	24.8	27.2	NNE 1	N 1	E	E	
31	60.12	59.01	22.7	28	Calm	NNE 1	E	ENE	4.3
Mean	59.57	58.95	23.6	27.4	1.2	2.1			
Total									98

FEBRUARY.

Day.	Pressure; 700 mm. + 6 a. m.	Pressure; 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	59.98	59.25	20.7	25.8	Calm	Calm	E	E	23.4
2	59.64	58.78	22.7	27.9	N 1	NE 1	E	ENE	1.4
3	59.64	58.98	23.6	26.5	Calm	N 3	NE	NE	11.2
4	59.72	59.59	23.2	25.4	N 1	NNE 2	NE	E	35.5
5	60.09	59.80	24.1	26.7	NNE 2	NNE 4	ENE	ENE	.3
6	61.07	60.68	24.8	27.4	NNE 3	N 3	ENE	ENE	
7	61.27	60.42	24.7	27.7	NNE 3	NE 2	ENE	ENE	
8	60.69	59.72	24.2	27.7	N 2	NNE 3	NE	ENE	.8
9	60.07	58.80	23.6	26.6	NE 1	NNE 2	E	ENE	13.5
10	59.07	58.15	24.4	27.4	NE 2	ENE 2	E	E	21.3
11	59.08	58.85	22.7	27.5	Calm	NNE 2	E	E	2.7
12	58.87	57.95	24.7	27.8	NE 2	N 2	ENE	ENE	4.6
13	58.04	57.05	24.8	27.7	N 3	NNE 3	E	E	13
14	56.94	56.54	24.6	24.6	N 1	NE 1	ENE	E	53.9
15	57.10	56.90	24.2	29.3	NE 1	SSE 1	SE	SE	5.8
16	58.09	57.21	23	27.8	Calm	NE 1	SE	SE	1.6
17	58.17	57.55	22	28.4	Calm	N 1	E	E	
18	57.92	57.76	22.4	26.3	Calm	NNE 1	E	E	12.4
19	58.49	58.24	24.7	27.5	NNE 1	NNE 2	E	E	.8
20	59.24	58.35	25	27.9	NE 2	NNE 2	E	E	
21	59.50	58.74	25.3	27.9	ENE 1	E 1	E	ESE	
22	59.22	58.56	24.1	29.1	ENE 1	E 1	ESE	SE	
23	59.09	58.22	22.4	28.5	Calm	E 1	E	ESE	5.3
24	58.37	57.21	24.2	27.8	E 2	E 2	ESE	SE	3.3
25	58.14	58.11	25.4	27.8	NNE 3	NNE 4	E	E	
26	57.98	57.67	24.7	28.2	NE 2	NE 3	E	E	5.6
27	68.19	57.26	25.1	28	E 2	NE 4	E	E	
28	57.58	57.07	24.8	28.2	NNE 2	NNE 2	E	E	4.5
29	57.29	57.44	23.7	24.2	NE 1	NE 2	E	E	8.6
Mean	58.92	58.31	23.9	27.4	1.3	2.0			
Total									229.5

MARCH.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	57.49	57.35	24.8	28.4	NE 2	NNE 3	ENE	E	0.4
2	58.27	58.27	24.9	27.5	NE 3	NE 3	E	E	2
3	58.96	58.82	24.9	28.4	NE 2	NE 3	E	NE	
4	59.38	58.42	23.9	27.8	NNE 1	NE 2	ENE	E	
5	58.07	57.52	25.2	27.9	N 1	NE 2	ENE	E	
6	58.61	58.45	25.4	28.9	ENE 2	NE 2	E	ENE	11.2
7	59.01	58.36	24.5	27.9	NE 2	ENE 3	E	E	.5
8	59.69	59.36	25	28.5	ENE 1	E 2	E	ESE	
9	60.46	59.20	21.7	28.3	N 1	N 2	E	E	
10	59.54	58.84	23.2	28.4	NE 1	NE 2	ENE	NE	
11	58.27	57.32	24.1	28.5	N 1	NE 2	E	ENE	1.8
12	57.13	56.50	24.3	30.3	Calm	SSE 1	E	E	1.3
13	57.27	56.81	20.8	29.4	Calm	NE 1	E	E	
14	58.05	58.59	20.2	28.8	Calm	NE 2	E	E	
15	58.75	58.41	20.3	28.7	Calm	NNE 1	E	E	
16	58.63	58.32	20	25.7	Calm	NE 3	E	E	.3
17	58.69	58.36	24.5	29	NNE 1	N 1	E	E	
18	59.08	59.31	23.9	28.5	NE 1	N 2		E	
19	59.54	59.22	23.9	28.3	NNE 1	NNE 2	E	E	
20	59.41	59.25	24.8	29	NNE 1	ENE 3	E	E	
21	59.70	59.63	24.7	27.9	E 1	E 1	ESE	ENE	4.9
22	60.58	59.64	25.4	28.9	E 1	ENE 2	ENE	E	12.9
23	59.68	59.36	25.4	28.8	NE 2	NE 2	E	E	4.6
24	59.59	59.31	24.6	28.7	NE 1	NE 1	E	ENE	
25	60.69	59.96	25.4	28.6	NNE 2	NE 2	ENE	ENE	2.8
26	60.42	59.27	25	28.9	N 1	NE 2	E	E	
27	59.51	59.15	24.7	28.8	N 1	E 2	E	ENE	3.8
28	59.81	59.22	24.8	28.8	E 1	ESE 1	ENE	ENE	6.4
29	59.36	59.26	24.2	29	NE 1	NE 1	E	E	
30	59.51	59.06	25.4	29.2	NE 1	NE 3	E	E	.5
31	58.92	58.95	25.8	29	NE 2	NE 3	E	E	1.7
Mean	59.10	58.69	24.1	28.5	1.1	2			
Total									55.1

APRIL.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	58.76	58.67	25.6	28.5	N 2	NNE 4	ENE	E	
2	58.96	58.46	25.5	29.2	NNE 2	NE 2	ENE	E	
3	59.03	58.52	23.5	29.2	N 1	E 2	E	NE	
4	58.32	57.71	25.2	26.9	N 2	NE 1	NE	ENE	1.3
5	57.95	57.49	22.9	29.2	Calm	E 1	NE	NE	
6	58.21	57.46	22.3	29.9	Calm	NE 2	E		
7	58.63	57.61	22.4	30.3	N 1	N 2		NE	
8	58.67	57.66	22.4	29.8	Calm	N 2	N	NE	
9	58.69	58.08	23.7	29.7	Calm	E 1	ENE	NE	4.6
10	59.75	59.26	25.4	26.8	Calm	N 2	NE	NE	14.5
11	59.82	59.29	24.2	29.2	E 1	NE 2	SE	E	
12	60.89	60.32	21.6	29.7	Calm	NE 1	E	E	8.4
13	61.32	60.51	23.7	29.5	Calm	NE 2	E	E	1
14	60.75	59.87	25.1	29.3	SE 1	NE 3	E	E	
15	59.33	58.72	26.3	29	NE 2	S 4	E	E	.8
16	59.12	59.02	25.9	29.2	Calm	NE 2	E	E	
17	59.53	58.97	25	28.8	NE 1	NE 2	E	E	.8
18	59.36	58.74	22.8	29.6	Calm	NE 2	E	E	.3
19	58.98	58.22	24.6	30	Calm	NE 3	E	ENE	1.2
20	58.13	58.20	25.9	29.8	NE 1	ENE 3	ENE	E	
21	57.89	57.29	26.6	29.4	NE 2	NE 3	E	ENE	9.5
22	57.83	57.40	26.4	29.7	NE 2	NE 3	ENE	E	
23	57.87	57.11	26.3	29.8	NE 2	E 3	E	ENE	
24	57.67	57.45	26.2	30	N 2	NNE 2	NE	E	
25	57.63	57.25	26.3	29.8	NE 1	E 2	E	ENE	
26	57.84	57.10	26.3	29.6	NNE 1	N 3	SE	NE	5.6
27	57.52	57.75	25.7	26.5	NE 1	E 1	E	SE	4.8
28	57.80	57.07	25.3	29.5	E 1	ENE 2	ESE	E	3.8
29	57.65	57.06	25.4	30	Calm	NE 1	E	E	.5
30	56.85	56.27	23.8	28.8	Calm	ENE 2	E	E	
Mean	58.69	58.15	24.7	29.2	0.9	2.2			
Total									57.1

The barometric readings of this station are too low by about 1.50 mm.

GUIUAN.

[ϕ=11° 02′ N; λ=125° 44′ E; barometer above sea, 4 meters; gravity correction not applied, —1.83 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	56.69	56.22	25	29.4	Calm	E 1	SE	SE	------
2	57.03	56.82	24.2	29.1	Calm	E 3	E	ENE	4.1
3	58.87	57.05	26.2	30	E 1	E 1	NE	ENE	------
4	58.93	57.91	21.8	29.1	Calm	E 1	ENE	E	------
5	58.14	57.14	21.8	30.5	Calm	E 1	E	ESE	1
6	57.55	56.59	22.1	30.5	Calm	E 1	NE	SE	.3
7	57.78	57.12	25	28.5	SE 1	Calm	E	S	------
8	57.84	57.14	21.3	31.7	Calm	S 1	NE	W	------
9	57.57	56.80	21.4	30.6	Calm	E 1	E	ENE	2.8
10	57.95	57.52	22.7	29.8	Calm	NE 2	ENE	E	------
11	58.53	57.71	25.5	29.2	E 1	E 1	SE	SE	1.3
12	58.19	56.98	24.7	30.5	NE 1	E 1	SE	SE	------
13	57.56	56.79	22.2	32	Calm	S 2	SE	W	------
14	57.14	56.94	26.4	32.5	S 1	S 1	SE	SE	------
15	57.54	56.99	24.3	31.9	Calm	S 2	S	SE	------
16	57.43	56.88	25.7	32.2	Calm	S 2	SE	SE	------
17	57.02	56.58	26.2	32.1	E 1	S 2	SE	E	------
18	57.49	56.94	24.5	30.5	Calm	S 2	ESE	E	------
19	57.50	56.66	23.8	30.5	Calm	E 1	E	ESE	------
20	56.93	55.89	23.5	31.3	Calm	NE 2	NE	E	.3
21	57.05	56.51	25	31.5	Calm	S 2	S	SE	3.6
22	57.34	56.79	22.6	30.9	Calm	E 2	NE	SE	------
23	57.31	56.04	22.7	32.9	Calm	S 2	E	NE	1
24	57.01	56	22.9	31.5	Calm	ENE 2	NE	SE	2
25	56.69	55.29	21.7	32.3	Calm	S 2	------	E	------
26	56.34	55.31	22	32	Calm	S 2	------	E	------
27	56.43	55.50	24	32.4	Calm	S 2	NE	E	------
28	56.84	56.22	23.3	32	Calm	E 2	S	------	.3
29	57.55	56.67	25.3	33	N 1	E 1	E	------	------
30	57.53	56.73	24.1	32.8	Calm	S 3	SE	SE	------
31	56.82	56.24	27.7	31.3	S 1	S 2	SE	SE	------
Mean	57.44	56.64	23.9	31.1	0.3	1.6	------	------	------
Total	------	------	------	------	------	------	------	------	16.7

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	57.04	56.39	24.2	31.1	Calm	S 2	NE	E	0.3
2	57.93	57.32	23.7	31.9	Calm	ENE 2	E	E	19.8
3	57.56	57.24	24.2	29.7	Calm	Calm	E	E	9.7
4	56.94	------	25.3	31.4	Calm	NE 1	SE	SE	1.3
5	------	55.63	24.2	32.3	Calm	S 2	SE	------	------
6	57.14	55.58	24	31.8	Calm	S 2	E	E	------
7	56.69	55.69	24.1	31.5	Calm	Calm	------	E	------
8	56.59	55.84	24.2	29.8	Calm	E 1	NE	SE	3.3
9	56.88	55.42	24.3	32.3	Calm	S 2	S	E	3.3
10	57.22	55.72	25.3	32.4	Calm	S 1	E	E	44.7
11	57.23	57.05	25.2	29	Calm	Calm	E	E	------
12	57.13	56.53	27.3	31.4	SW 2	Calm	S	E	------
13	57.25	56.24	27.8	32	S 3	S 2	SSE	E	------
14	57.52	56.48	27.7	31.6	S 2	S 3	SE	SE	8.2
15	57.13	55.81	25.2	31.4	Calm	S 2	------	ESE	1.3
16	56.25	55.04	24.9	31.4	N 1	S 2	E	------	------
17	55.35	55.48	27.9	28.2	SW 2	S 1	W	E	------
18	56.38	55.14	27.4	31.6	S 2	S 2	SW	------	------
19	56.32	54.88	27.5	31.7	S 1	S 2	------	------	------
20	56.20	55.05	27.7	30	S 4	SSW 3	SSE	------	------
21	55.87	55.24	27.3	32.2	S 2	S 2	SE	W	------
22	56.91	55.65	27.6	30.5	S 1	SE 1	------	SE	------
23	56.96	55.82	27.7	31.2	SSW 2	SSE 2	E	------	.5
24	56.50	55.29	23.2	32.4	Calm	E 1	E	NE	.8
25	56.57	55.38	24.9	31.5	Calm	E 1	SE	SSE	------
26	56.68	55.90	27.8	32.4	S 1	SSE 2	SE	E	------
27	57.10	55.68	27.7	32.3	SSW 2	S 1	SSE	------	------
28	56.25	55.25	27.7	32.2	SW 1	S 1	SE	SE	------
29	56.33	55.80	28	29.5	SW 1	S 1	SE	SE	7.1
30	56.76	56.08	23.2	31.7	Calm	ENE 1	SE	NE	------
31	------	------	------	------	------	------	------	------	------
Mean	56.78	55.81	25.9	31.3	0.9	1.4	------	------	------
Total	------	------	------	------	------	------	------	------	100.3

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	56.76	55.34	24.2	30.9	Calm	SSE 1	E	SE	0.3
2	56.27	55.68	25	27.3	Calm	SSW 3	E	SSE	2.5
3	56.62	56.22	24.9	28.3	Calm	SSE 2	E	SE	------
4	58.02	56.90	25.7	28.6	Calm	S 1	NE	SE	.8
5	57.94	56.11	23.9	31.1	Calm	E 1	NW	ENE	1.5
6	56.71	55.21	24.2	30.7	Calm	SSE 1	E	E	.3
7	56.40	55.01	23	27.9	Calm	SSE 1	NE	ESE	?
8	55.74	54.59	23.9	29.9	N 1	SSW 1	E	E	41.1
9	55.64	54.85	24.8	29.7	SE 1	SW 1	S	S	1.3
10	56.26	56.01	23.4	29.4	Calm	NNE 1	E	ENE	------
11	56.65	55.13	24.7	31.3	Calm	E 1	E	NE	3
12	56.08	54.85	24.4	30.3	NE 1	N 1	E	E	12.2
13	55.48	54.72	26	30.1	Calm	Calm	E	E	14.4
14	55.49	54.95	25.9	30.5	N 1	S 1	E	E	26.3
15	56.66	54.75	23.8	29	Calm	N 1	E	ENE	.5
16	56.05	54.89	23.5	30.4	N 1	S 1	E	NE	2.1
17	55.65	54.62	24.2	28.4	Calm	SSW 2	NW	W	2.3
18	55.11	54.12	26.7	28.9	SSW 3	SSW 4	SW	W	1.3
19	54.38	53.74	27	28.5	SSW 2	SSW 4	W	W	------
20	54.89	54.10	26.9	28.6	SSW 5	SW 6	W	W	------
21	55.13	55.05	26.7	28.4	SSW 4	SSW 4	W	W	8.6
22	55.44	54.99	26.5	29.4	SW 3	SSW 2	W	------	------
23	55.37	54.20	26.5	31	SSW 1	SSW 2	W	W	10.4
24	55.15	54.95	26.2	29.4	W 2	SW 2	SE	E	9.7
25	56.19	55.06	24.4	30	Calm	SW 1	W	W	4.6
26	55.49	54.88	24.3	29.2	Calm	N 2	NE	NE	37.8
27	54.46	53.06	23.6	29.7	N 1	W 1	E	NW	------
28	53.97	53.95	26.9	28.3	SW 2	SW 4	W	W	------
29	55.33	55.15	27.2	28.6	SW 4	SW 3	W	W	------
30	56.22	55.23	27	29.8	S 2	SSW 2	W	W	------
31	55.75	55.03	24.1	29.5	ENE 1	SW 3	NE	W	------
Mean	55.85	54.95	25.1	29.5	1.1	1.9	------	------	------
Total	------	------	------	------	------	------	------	------	181?

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	55.03	54.56	27	30.3	WSW 4	S 2	W	W	------
2	55.25	54.96	27.4	28.7	SW 2	WSW 2	ENE	W	0.5
3	56.86	55.90	26.4	27.2	SSW 1	SW 4	W	W	------
4	56.37	55.36	27.1	29.6	SSW 3	WSW 4	W	W	------
5	55.78	54.90	26.1	29.9	Calm	S 1	W	WNW	2.8
6	56.46	55.41	26.7	29.2	SW 3	SSW 2	W	W	14.7
7	56.98	55.63	26.2	30.3	SW 1	SW 2	W	WNW	5.1
8	56.53	54.87	25.7	28.5	WSW 2	SW 3	W	W	51.3
9	55.55	54.81	26.4	29.2	WSW 2	SW 3	W	W	------
10	55.63	55.22	26.7	28.4	SW 3	SW 5	W	W	------
11	55.39	54.47	26.7	30.4	SW 3	SW 5	W	W	3
12	54.68	53.98	27.7	29.5	SW 5	SW 6	W	W	------
13	54.36	54.26	28	29.5	SW 6	SSW 5	W	W	------
14	55.21	54.94	27.9	29.7	SSW 5	S 5	W	W	------
15	55.97	55.24	27.5	30.2	SW 4	SSW 3	S	NE	------
16	56.18	55.18	27.2	29.8	SW 1	W 2	NE	NW	5.6
17	55.85	54.34	27.1	30.9	SW 3	S 2	W	W	4.6
18	55.72	54.74	26.1	27.9	S 2	SW 1	SW	W	3.3
19	55.52	54.59	25.2	29.5	Calm	SSW 2	W	W	------
20	55.57	54.67	27	30.1	SSW 2	SSW 4	W	W	------
21	56.05	55.36	25.7	27.4	Calm	SSW 5	W	W	66.2
22	56.12	55.14	26.2	29.1	SW 4	S 3	W	W	2.8
23	55.54	53.86	26.8	28.9	SW 5	W 3	W	NW	21.3
24	55.36	54.59	27.2	28.5	SW 5	WSW 4	W	WNW	------
25	55.02	53.86	27.7	29.4	WSW 5	WSW 6	W	WNW	------
26	54.51	53.11	27.7	30	SW 5	WSW 6	W	W	------
27	53.55	52.50	27.8	29.2	WSW 6	SW 6	W	W	------
28	53.35	52.76	28.1	29.6	SSW 6	SSW 6	W	W	------
29	54.32	53.78	27.9	29.7	SSW 5	SSW 5	E	W	------
30	54.52	53.69	27.9	29.8	NW 6	SSW 4	WNW	W	------
31	54	52.38	28	29.2	SW 5	SW 6	W	W	------
Mean	55.39	54.49	27	29.3	3.4	3.8	------	------	------
Total	------	------	------	------	------	------	------	------	181.2

GUIUAN.

[$\phi = 11°\ 02'$ N; $\lambda = 125°\ 44'$ E; barometer above sea, 4 meters; gravity correction not applied, —1.83 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	52.88	52.47	28	31	SW 6	SW 5	W	W	------
2	54.28	53.51	26.4	28.5	SW 5	SW 5	W	W	------
3	55.05	54.10	27.2	28.9	SSW 5	SSW 5	W	W	------
4	55.80	55.09	27.3	30.8	S 4	SSE 2	E	WSW	------
5	55.71	55.10	27.5	28	S 1	S 1	SE	SE	14.5
6	55.71	55.02	23.3	25.4	Calm	NW 1	W	N	91.5
7	53.86	53.59	24.9	24	N 3	E 3	E	SE	35.6
8	55.34	54.70	26.1	29	S 4	SSW 6	SW	W	------
9	56.08	55.04	27.2	30.7	SW 4	SW 4	------	W	------
10	56.04	54.99	23.1	29.6	Calm	SW 3	SE	W	------
11	55.40	53.72	26.5	30.5	SW 3	SW 5	E	W	------
12	55	53.64	27.3	30	W 5	WSW 5	WNW	WNW	------
13	54.55	52.84	27.4	30.1	WSW 5	WSW 6	W	W	------
14	53.08	51.58	27.4	29.8	WSW 4	SW 6	W	W	------
15	51.21	50.75	27.4	28.3	SW 6	SW 6	W	W	------
16	52.87	52.45	26.6	27.9	SSW 7	SSW 6	W	W	------
17	54.23	54.19	27	29	SSW 4	SSW 5	E	W	------
18	54.18	52.95	27.2	31.3	SW 4	SSW 2	SE	W	------
19	52.96	52.35	27.2	29.8	WSW 4	WSW 4	E	W	------
20	53.62	52.93	27.3	30.4	WSW 5	SSW 5	W	WSW	------
21	55.42	54.73	27.2	28.9	SW 3	SSW 2	SE	SE	------
22	56.98	55.70	27.5	29.8	SSW 2	SSW 3	W	WSW	------
23	57.17	56.33	26.4	26.1	Calm	Calm	------	NW	17.2
24	56.41	54.62	23.2	29.9	N 1	N 4	NE	NNE	11.7
25	55.49	54.15	23.7	30.2	Calm	S 1	NNW	NNE	------
26	53.97	52.87	26.6	29	W 4	SW 4	NW	W	------
27	54	53.88	27.8	29.2	SSW 5	SSW 5	WSW	WSW	------
28	56.13	54.93	27.3	29.6	SSW 3	SSW 4	SW	SE	------
29	55.73	54.78	27.7	30	SW 2	SSW 5	------	W	------
30	55.66	54.19	27.9	29.8	SW 4	SSW 4	------	------	------
31	------	------	------	------	------	------	------	------	------
Mean	54.83	53.91	26.6	29.2	3.4	3.9	------	------	------
Total	------	------	------	------	------	------	------	------	170.5

OCTOBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	56.48	55.28	26.9	29.8	SW 3	S 5	W	W	------
2	57.41	56.79	27.5	28.6	SSW 1	N 1	WSW	E	1
3	57.72	56.13	24.7	30.7	Calm	SW 1	W	W	------
4	56.96	56.06	23.1	26.3	Calm	Calm	W	WNW	------
5	56.29	55.01	22.4	29.6	Calm	W 1	W	NW	6.8
6	56.30	55.65	26	28.9	WSW 2	SW 2	SE	W	3.1
7	57.18	56.01	26.1	29.6	SW 4	SW 4	W	W	------
8	57.51	55.72	27.4	29.1	SW 4	SSW 5	W	W	------
9	56.71	55.24	24.1	29.4	N 1	SSW 5	SW	W	------
10	56.05	54.45	27.5	29.4	SSW 5	SSW 5	SW	W	------
11	55.70	54.39	27.5	29.7	SW 3	SSW 3	E	W	------
12	55.92	54.38	24.4	29.3	N 1	SW 3	W	W	4.8
13	55.02	53.24	24.6	29.1	N 1	W 3	NW	NW	7.6
14	54.17	50.91	25.8	26.8	NNW 3	NNW 5	N	NNE	59.6
15	45.47	46.78	------	------	N 10	NE 7	NNE	E	63
16	51.86	53.13	26.2	25.3	SE 6	SSE 6	S	SSW	2.3
17	55.42	55.41	26.7	30.4	S 4	SSE 4	SW	SW	------
18	57.49	55.93	26.9	30.7	E 1	S 1	SSE	E	8.9
19	57.31	55.89	22.8	29.6	N 1	N 3	------	NE	10.1
20	56.49	54.82	24.1	29.6	N 1	NNE 2	NE	NE	------
21	56.18	55.59	23.5	29.5	Calm	N 2	E	NNE	------
22	56.40	54.85	23.6	29.3	N 1	SSW 1	NE	NW	5.6
23	56.08	54.36	23	28.7	Calm	Calm	NW	NE	------
24	55.66	54.65	22.4	27.1	Calm	N 1	------	NW	2.8
25	54.80	53.90	26.3	29.4	W 3	W 4	WNW	WSW	------
26	55.46	54.93	27.3	30.8	SSW 4	SSE 2	W	------	------
27	56.89	56.68	26.9	31.3	SE 1	SSE 2	ESE	SE	------
28	57.49	56.72	23.3	26.7	Calm	NE 2	SE	E	10.4
29	56.34	55.75	24	26.6	Calm	N 2	E	ESE	15.2
30	56.89	56.15	23.6	29.9	SSW 1	S 1	SE	SE	------
31	57.66	56.07	22.2	30	Calm	NW 1	NE	N	33.8
Mean	55.91	54.87	25	29	2	2.7	------	------	------
Total	------	------	------	------	------	------	------	------	235

NOVEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	55.12	54.02	26.4	25.6	N 2	SE 6	NE	S	17.6
2	57.59	56.30	23.8	28.7	Calm	E 1	S	SE	6.4
3	57.74	56.25	23.1	29	N 1	ENE 2	NE	E	12.2
4	56.84	55.85	24	28.9	N 1	N 3	NE	NE	1
5	55.62	53.98	25.3	27.5	NW 1	N 3	NE	NE	85.8
6	53.74	54.25	24.4	30	E 6	E 4	SE	SE	2.1
7	57.17	56.80	24.8	25	NE 1	N 1	E	E	6.4
8	57.54	56.56	25	28.7	NNE 2	ENE 4	E	E	15.2
9	56.76	55.43	24.3	26.7	NE 1	ENE 4	E	E	39.9
10	56.45	55.25	23.6	28.8	Calm	NE 1	E	E	9.4
11	56.73	56.29	24.7	29.6	Calm	NE 2	E	E	1
12	57.08	56.15	23.2	29.9	Calm	ENE 1	E	E	1
13	56.45	55.46	23.9	29.2	Calm	NE 1	E	E	14.3
14	56.21	55.16	23.2	29.8	N 1	NE 1	E	E	1
15	57.08	55.81	22.8	30.1	Calm	NE 2	E	ESE	------
16	56.91	56.20	23.2	29.6	N 1	NE 1	SE	E	------
17	56.51	55.49	22.2	29.7	Calm	N 1	E	ENE	------
18	56.29	54.92	23.7	29.9	N 1	NNE 3	E	ENE	2.3
19	56.18	54.41	23.7	29	N 1	NNW 3	NE	NE	2.8
20	55.25	53.85	24.6	29.2	NW 1	N 2	NE	NE	------
21	54.81	53.72	23.6	29.4	NW 1	N 1	NE	NW	.3
22	55.13	54.33	24.9	26.7	NW 1	N 2	N	NE	35
23	54.74	53.26	24.9	27.8	NW 2	NNW 4	NE	NNE	27.4
24	51.49	47.80	25.2	25.8	NW 3	NW 7	N	N	45.7?
25	------	------	------	------	S 4	E 2	SW	SE	------
26	------	------	------	------	N 2	N 1	NE	NE	------
27	------	------	------	------	NE 2	NE 2	ENE	SE	------
28	------	------	------	------	N 2	N 3	ENE	NE	------
29	------	------	------	------	Calm	E 1	NE	SE	------
30	------	------	------	------	Calm	E 1	SE	SE	------
31	------	------	------	------	------	------	------	------	------
Mean	56.06	54.98	24.1	28.5	1.2	2.3	------	------	------
Total	------	------	------	------	------	------	------	------	------

The barometer, thermometers and rain gauge of this station were destroyed by a typhoon during the afternoon of November 24.

BORONGAN.

[$\phi = 11°\ 37'$ N; $\lambda = 125°\ 26'$ E; barometer above sea, 10 meters; gravity correction not applied, −1.81 mm.]

JANUARY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	60.34	58.99	26	29.5	ENE 3	ENE 3	E	E	------
2	60.69	60.08	22.2	27.8	Calm	ENE 2	NE	ENE	0.8
3	61.17	60.79	25.2	28	NE 3	NE 4	NE	NE	1.5
4	61.63	60.87	25.8	29.2	NE 4	ESE 3	NE	E	3
5	61.30	60.06	21.7	29.1	Calm	E 3	E	E	9.7
6	60.48	59.67	25.2	27.4	NE 2	NE 4	NE	NE	19.8
7	61.08	60.33	25	27.8	NE 4	NNE 4	NE	NE	10.4
8	61.45	60.18	22.6	25.5	Calm	SE 2	NE	ENE	28.2
9	60.75	59.84	23.5	27.8	Calm	ENE 4	NE	NE	17.3
10	61.71	60.88	20.5	25.5	Calm	NE 1	------	NE	2.8
11	62.64	61.42	21	28.2	Calm	NE 1	E	E	1
12	62.28	61.04	23	24.5	Calm	E 2	NE	E	36.6
13	62.82	61.58	25.3	27.9	NE 3	NE 3	NE	NE	.5
14	62.90	61.38	20.3	28.5	Calm	NE 3	NE	NE	.3
15	62.28	61.68	22.3	28.3	Calm	NNE 4	NE	NNE	------
16	63.14	62.48	21.2	28.6	Calm	NE 3	NNE	NE	------
17	63.05	62.17	21.6	28.2	Calm	NE 4	NE	NE	------
18	62.81	62.33	20.4	28.5	Calm	NE 4	NNE	NE	1
19	63.31	62.88	19.8	28.8	NE 1	NE 4	NE	NE	2
20	62.93	62.24	21.5	26.8	Calm	NE 5	NE	NE	1.3
21	62.95	62.08	21.2	27.7	Calm	NNE 3	N	NNE	------
22	62.51	61.49	18.8	28.4	Calm	NNE 4	NNE	NE	24.9
23	62.13	61.44	22	28.4	Calm	ENE 2	E	NE	.3
24	63.01	62.42	19.6	28.9	Calm	E 2	N	E	1.3
25	63.19	62.32	20.8	28.8	Calm	E 3	E	E	2.5
26	62.68	62.16	24.6	27.3	E 2	NE 1	NE	NE	1.3
27	63.33	62.63	21.6	27.5	Calm	NNE 4	NE	NNE	.3
28	63.35	62.13	20.8	27.8	Calm	NE 3	NE	NE	15.3
29	63.20	61.61	22.7	27.5	Calm	E 3	NE	ENE	10.2
30	62.50	61.73	20.7	28.7	Calm	ENE 2	NE	NE	3.9
31	62.50	61.54	22.6	28.9	Calm	E 2	NE	E	.3
Mean	62.26	61.37	22.2	27.9	0.7	3	------	------	------
Total	------	------	------	------	------	------	------	------	196.5

FEBRUARY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	62.44	61.37	19.5	27.7	Calm	E 2	NE	NE	0.3
2	62.03	61.07	21.4	28.7	Calm	E 2	NE	NE	.8
3	61.91	60.89	22.3	28	Calm	NE 2	N	NE	22.1
4	62.23	61.59	23	27.7	Calm	NNE 4	NNE	N	25.9
5	62.88	62.42	24.6	26.5	ENE 5	NE 5	NE	NE	2.8
6	63.45	63.12	24.9	27.9	NE 4	NE 4	NE	NE	------
7	63.83	62.82	20.5	28.8	NNE 2	NE 4	NE	NE	------
8	63.30	62.27	19.6	28.5	NE 1	NE 4	NNE	NE	3.6
9	62.61	61.22	22	29.3	NE 1	NNE 4	NE	NE	29.8
10	61.60	60.93	24.7	24.4	NE 3	NE 4	NE	NE	29.5
11	61.25	61.09	23	28.7	Calm	E 2	ESE	E	3.1
12	61.14	59.88	22.6	28.5	Calm	NE 3	E	NE	11.9
13	60.17	58.81	24.8	27	NE 4	NE 3	NE	NE	8.1
14	58.90	58.37	24.6	27.2	NE 1	NE 3	NE	NE	10.7
15	59.10	58.63	24.2	29	Calm	E 3	ENE	SE	9.6
16	59.95	59.04	23.8	28.5	Calm	ESE 2	SE	SE	23.4
17	60.20	59.51	23.2	29	Calm	E 2	NE	NE	.3
18	60.10	59.97	21.8	25.6	Calm	E 2	NE	E	7.6
19	60.62	60.31	24	28.3	Calm	E 4	NE	E	6.6
20	61.32	60.51	25.8	27.7	E 3	ENE 3	E	E	9.1
21	61.73	60.95	26.1	29.7	ESE 3	ESE 4	SE	SE	.3
22	61.17	60.46	25.4	29	ESE 3	SE 2	SE	SE	.3
23	61.30	60.19	21.1	27.7	Calm	ESE 3	SE	SE	13.2
24	60.58	59.34	23.7	27.9	E 2	E 3	E	E	9.6
25	60.60	60.12	24.7	29.2	E 3	ENE 3	E	NE	.6
26	60.35	59.67	24.2	28.4	ENE 1	ENE 3	NE	E	6.9
27	60.28	59.32	25.6	28.7	ENE 3	ENE 4	E	E	.3
28	60.08	59.24	22.1	28.5	Calm	NE 4	E	ENE	2.1
29	59.59	59.18	23.8	28.3	Calm	NE 4	NE	NE	12.2
Mean	61.20	60.42	23.3	28.1	1.3	3.2	------	------	------
Total	------	------	------	------	------	------	------	------	250.7

MARCH.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.45	59.70	25.2	28.7	NE 3	NE 3	ENE	NE	0.3
2	60.64	60.37	24.6	29.2	NE 3	NE 3	NE	NE	13.2
3	61.37	61.01	23	28.6	E 1	NE 4	E	NE	.6
4	61.59	60.53	21.6	28.6	Calm	NE 4	NE	NE	2.8
5	60.18	59.65	22.1	29.2	Calm	NE 3	NE	NE	1.5
6	60.86	60.60	25.7	29.3	ENE 2	ENE 3	E	E	1.5
7	60.88	60.48	26	28.9	ENE 3	E 4	E	E	4.8
8	61.94	61.51	25.8	29.6	ESE 4	E 3	SE	E	------
9	62.68	61.38	20.4	28.5	ENE 1	E 3	E	E	------
10	62.09	61.19	21.3	27.5	Calm	ENE 2	NE	NE	3.5
11	60.36	59.43	21	29	Calm	ENE 2	NE	E	.3
12	59.02	58.44	23.6	28.7	Calm	E 2	E	E	4.1
13	58.95	58.82	21.2	29.4	Calm	ESE 2	SE	ESE	------
14	60.26	60.31	21.1	29.4	Calm	E 3	E	E	------
15	60.91	60.38	20.5	29.4	Calm	E 2	E	E	------
16	60.59	60	19.7	28.9	Calm	E 2	E	E	1
17	61.35	60.67	21.6	29.4	ENE 1	E 2	E	E	------
18	61.31	61.50	19.5	29.4	Calm	ENE 3	NE	E	------
19	61.86	61.21	19.1	28.8	Calm	E 2	NE	ENE	------
20	61.53	61.40	25.6	28.8	ENE 3	ENE 4	E	E	1.3
21	61.94	61.72	25.6	28	E 4	ESE 4	E	SE	10.2
22	62.66	61.68	25.9	29.7	ENE 4	E 4	E	E	2.3
23	61.92	61.52	26.2	28.7	ENE 4	E 3	NE	E	.3
24	61.69	61.41	23.1	29.9	Calm	E 2	E	E	------
25	62.72	61.96	22.3	29.4	ENE 1	E 4	NE	E	------
26	62.57	61.42	25.6	29.6	E 3	ENE 3	E	E	3.6
27	61.85	61.30	23.7	28.8	Calm	E 4	E	E	2.6
28	61.93	61.38	25.6	30	E 3	E 2	E	E	1
29	61.80	61.32	24.4	29.8	ENE 4	ENE 3	E	E	4.1
30	61.58	61.41	26	29.6	NE 3	E 3	NE	NE	2.3
31	61.29	61.17	25.4	30	ENE 4	ENE 3	NE	NE	1.3
Mean	61.28	60.80	23.3	29.1	1.6	2.9	------	------	------
Total	------	------	------	------	------	------	------	------	62.6

APRIL.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	60.87	60.70	22.8	29.2	NE 1	E 3	NE	E	7.9
2	60.94	60.49	23	28.7	Calm	NE 3	NE	NE	2.8
3	60.84	60.37	22.4	29.4	Calm	ENE 3	NE	E	2.3
4	60.39	59.51	22.8	28	Calm	ENE 4	NE	NE	19.3
5	59.63	59.41	21.8	29.3	Calm	ENE 2	NNE	NE	1
6	59.82	59.34	21.4	29.8	Calm	NE 3	N	NE	------
7	60.31	59.70	21.6	29.3	Calm	NE 3	------	NE	------
8	60.41	59.48	21.8	30	Calm	NE 3	NE	NE	------
9	60.49	59.87	22.6	30.2	Calm	NE 3	N	NNE	.3
10	61.60	60.93	23.5	29.3	Calm	NE 3	NNE	NNE	9.2
11	61.62	61.40	24.2	30	Calm	E 4	NE	E	2.6
12	62.93	62.27	21.2	30.1	Calm	ESE 3	E	E	.8
13	62.88	62.60	26.5	30	E 2	E 4	E	E	7.6
14	62.67	62.08	25.2	30.3	E 3	E 4	E	E	2.6
15	61.57	60.48	25.8	30.5	ESE 3	ESE 4	ESE	E	1.8
16	61.02	60.91	23	30	Calm	E 3	E	E	4.9
17	61.44	60.93	21.8	29.6	Calm	ENE 3	E	E	.3
18	61.38	60.80	22.1	30.1	Calm	E 3	E	E	.3
19	60.78	60.22	22.4	30.4	Calm	ENE 3	E	E	.8
20	60.16	60.22	26.6	30.9	ENE 3	E 3	E	NE	------
21	60.01	59.27	26.6	30.1	E 3	E 4	NE	E	2.8
22	59.93	59.43	26.9	30.3	ENE 5	ENE 5	NE	ENE	.3
23	59.83	59.07	26.8	30.2	ENE 4	E 4	E	E	------
24	59.65	59.56	23.8	30	ENE 1	ESE 3	NE	E	------
25	59.38	58.88	26.6	30.2	E 3	ENE 3	E	E	1
26	59.84	58.91	23.3	30	Calm	NE 5	NE	NE	45.7
27	59.78	59.60	25.6	26.8	E 2	E 1	NE	ESE	28.7
28	59.87	59.21	24.5	28.6	Calm	E 4	E	E	9.1
29	59.59	58.88	24.6	30.2	Calm	E 2	E	E	------
30	58.46	57.92	23.2	30	Calm	E 2	E	E	------
Mean	60.60	60.08	23.8	29.7	1	3.2	------	------	------
Total	------	------	------	------	------	------	------	------	152.1

The barometric readings of this station seem to be too high by about 0.50 mm. from January 1 to July 31.

BORONGAN.

[$\phi = 11°\ 37'$ N; $\lambda = 125°\ 26'$ E; barometer above sea, 10 meters; gravity correction not applied, —1.81 mm.]

MAY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.67	58.09	22.2	28.2	Calm	ESE 3	E	E	1.5
2	58.87	58.77	22.4	28	Calm	E 3	E	E	1.8
3	60.81	60.13	27.1	29.9	E 3	E 2	E	E	-------
4	60.76	59.66	21.5	30.1	Calm	E 2	NE	NE	-------
5	60.01	58.68	22	30.4	Calm	E 3	NE	E	2
6	59.11	58.11	22.6	30.2	Calm	E 3	E	SE	.8
7	59.45	58.78	22.8	29.8	Calm	E 3	SE	E	-------
8	59.60	58.51	22.4	30	Calm	E 2	SE	W	-------
9	59.11	58.43	21.7	29.4	Calm	E 2	-------	E	1
10	59.61	59.37	23.1	30.1	Calm	E 2	NE	E	2.3
11	60.57	59.45	23.9	30.4	Calm	E 2	E	E	4.6
12	59.94	58.81	23.4	30.2	Calm	E 3	E	E	1.8
13	59.40	58.05	22.2	30.7	Calm	E 3	-------	E	-------
14	58.87	58.10	23	31.2	Calm	ESE 2	-------	SE	-------
15	59.07	58.81	23.5	31.2	Calm	E 3	SE	SE	-------
16	59.05	58.40	23.5	29.6	Calm	ESE 3	SE	SE	4.4
17	58.46	58.08	24.4	31	Calm	E 3	SE	SE	2.3
18	59.06	58.73	24.3	31.1	Calm	E 2	E	E	8.9
19	59.09	58.31	24.4	31.1	Calm	E 2	E	ENE	-------
20	58.56	57.45	23.4	31	Calm	E 3	E	E	-------
21	58.95	58.21	24.6	31.3	Calm	SE 2	SE	SE	-------
22	58.94	58.59	23	31	WNW 1	ESE 2	-------	ESE	-------
23	58.96	57.68	22.5	31.4	Calm	E 3	E	E	-------
24	58.66	57.78	23.5	31.3	Calm	E 3	-------	E	-------
25	58.05	56.61	22.7	31.2	Calm	ENE 3	E	ENE	-------
26	57.75	56.80	22.6	31.4	Calm	E 3	-------	E	-------
27	58.06	56.97	23.8	31.6	Calm	ESE 3	S	SE	-------
28	58.60	58.02	23.8	31.6	Calm	E 3	-------	SE	1.5
29	59.33	58.40	24.3	31.6	Calm	ESE 3	SE	SE	-------
30	59.35	58.45	24.1	32	Calm	SE 3	SE	SE	-------
31	58.65	57.90	24	31.8	Calm	SE 3	SE	SE	-------
Mean	59.14	58.33	23.3	30.6	0.1	2.6	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	32.9

JUNE.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.80	58.07	24	32	Calm	SE 2	SE	SE	1
2	59.93	59.19	24.5	32.4	Calm	E 3	E	E	4.3
3	59.26	59.13	24.6	31.5	Calm	E 2	E	E	14.5
4	58.66	57.67	24	31.6	Calm	ESE 2	-------	SE	-------
5	58.37	57	23.8	31.8	Calm	ESE 3	SE	SE	-------
6	59.18	57.59	24.5	32	Calm	E 2	SE	SE	-------
7	58.36	57.27	23.8	32.6	Calm	ESE 3	-------	SE	-------
8	58.25	57.32	24.4	30.1	Calm	W 1	NE	NW	-------
9	58.51	57.16	24	32	Calm	E 3	SE	SE	7.6
10	58.98	57.50	24.4	31.6	Calm	ESE 3	E	SSE	29.5
11	59.35	58.83	23.4	29.6	Calm	E 1	E	E	5.1
12	59.02	58.47	23.5	31.4	Calm	SE 2	-------	S	-------
13	59.05	57.92	24.5	29.9	Calm	SSE 2	SSE	SSW	22.9
14	58.90	57.81	23.2	30.7	Calm	SE 3	SW	SE	-------
15	59	57.88	23.3	31.4	Calm	SE 3	-------	SE	-------
16	58.03	56.52	24.2	31.4	Calm	SE 4	SSE	SE	6.4
17	56.96	57.02	24.4	29.3	Calm	S 2	-------	S	-------
18	58.16	56.54	24	31.3	Calm	SSE 3	S	S	4.1
19	58.42	56.11	23.6	32.8	Calm	SE 3	-------	S	3.1
20	57.99	56.44	24	32	Calm	SEbyE 3	S	S	-------
21	57.69	56.80	24.6	29.6	Calm	S 1	S	S	.8
22	58.69	57.30	23.7	30.7	Calm	SE 3	S	SE	-------
23	58.81	57.52	24	32.2	Calm	SE 3	SSE	SSE	-------
24	58.22	57.16	23.4	31	Calm	SE 2	-------	SE	-------
25	58.40	57.23	23.7	31.4	Calm	ESE 2	SE	SE	-------
26	58.82	57.64	23.4	31.7	Calm	E 3	ESE	SE	-------
27	59.01	57.04	23.4	32	Calm	ESE 3	SE	SE	-------
28	58.02	56.70	23.2	32	Calm	ESE 3	S	SSE	-------
29	58.04	57.33	23.5	28.4	Calm	SE 2	S	SE	10.7
30	58.56	58.07	22.1	30.8	Calm	ESE 2	-------	SE	1.3
31	-------	-------	-------	-------	Calm	-------	-------	-------	-------
Mean	58.58	57.47	23.8	31.2	0	2.5	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	111.3

JULY.

	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.80	57.06	23.8	31	Calm	E 2	SE	ESE	-------
2	58.14	57.19	24.2	29.5	Calm	E 1	SE	SE	4.8
3	58.44	58.13	23.2	27.7	Calm	S 4	SE	S	-------
4	59.97	58.88	23.2	28.8	Calm	SE 1	S	SE	-------
5	59.95	58.25	22.8	30.7	Calm	ENE 2	SE	SE	11.4
6	58.82	56.88	23.3	30.4	Calm	ESE 2	SE	E	-------
7	58.17	56.62	23.5	30.7	Calm	E 2	SE	ESE	6.9
8	57.40	56.48	23.7	29.8	Calm	ESE 2	-------	SE	4.1
9	57.74	56.53	23.6	30.5	Calm	ESE 3	SE	SE	3.8
10	58.20	58.14	23	29	Calm	E 2	S	E	-------
11	58.77	57.57	22.8	30.8	Calm	E 2	E	E	-------
12	58.05	56.81	23.2	30.3	Calm	E 2	SE	E	3.6
13	57.30	56.75	24.6	31.6	Calm	ENE 3	E	E	33.8
14	57.89	56.81	24.9	30.8	NE 1	E 2	E	SE	13
15	58.87	56.68	24	30.5	Calm	E 2	SE	SE	2.8
16	58.19	56.81	23.6	28.2	Calm	SW 1	SSE	SW	19.6
17	57.52	56.51	23.2	30.4	Calm	W 1	NW	W	1.3
18	57.01	55.78	24.2	28.4	Calm	S 1	SW	S	16.8
19	56.25	55.09	22.8	28.7	Calm	SE 1	S	SW	1.8
20	56.40	55.55	24.1	31.2	Calm	SSW 2	S	SW	1
21	57.06	56.41	23	30.4	Calm	SSE 2	WSW	W	8.6
22	57.82	56.48	22.4	30.8	Calm	W 3	W	W	-------
23	57.40	55.55	23.8	30.7	Calm	SSE 2	WNW	NW	-------
24	57.12	56.82	23.9	30.3	Calm	E 3	-------	SW	-------
25	58.04	57.08	24.4	30	Calm	ENE 2	SW	W	15.5
26	57.76	56.58	23.4	30.2	Calm	NE 2	W	NE	7.9
27	56.16	55.04	23.1	29.1	Calm	E 1	NE	E	7.2
28	55.76	55.25	23.2	29.6	Calm	WSW 2	W	SW	1
29	57.55	56.76	23.4	30.2	Calm	WSW 3	SW	SW	8.1
30	58.31	56.68	23.4	31.4	SW 1	ESE 2	SW	WSW	3.6
31	57.62	56.94	22.4	30.8	Calm	SE 2	-------	WSW	-------
Mean	57.82	56.71	23.5	30.1	0.1	2	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	176.6

AUGUST.

	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.04	56.27	25	31	WSW 1	NE 2	SW	NE	-------
2	57.20	56.95	23.6	30.3	Calm	W 1	NE	W	8.6
3	59.07	57.67	24.2	27.8	WSW 1	Calm	SW	W	1
4	58.35	56.81	23.4	30.7	Calm	WSW 2	W	W	.8
5	57.42	56.43	23	30	Calm	SE 2	NE	SE	1.8
6	58.37	57.22	24	29	Calm	SE 2	W	W	1
7	58.91	57.78	22.3	27.8	Calm	W 1	WSW	W	11.4
8	58.17	56.70	23.7	26	Calm	NE 2	NE	NE	22.7
9	57.34	56.39	23.8	28.4	Calm	SE 1	SE	W	10.2
10	57.35	57.17	23.6	25.8	Calm	W 1	SW	W	5.8
11	57.08	56.40	22	27.8	Calm	WSW 3	SW	SW	1.5
12	56.10	55.39	26	31.8	SW 2	WSW 4	SW	WSW	-------
13	55.80	55.44	24.5	30.8	Calm	SSW 3	SW	SW	-------
14	56.87	56.06	23.3	31.7	Calm	SW 3	W	SW	.5
15	58.20	56.79	22.7	31.9	Calm	SW 2	-------	SW	-------
16	58.07	57.13	23.4	30.5	Calm	WSW 1	W	W	3.3
17	57.71	56.06	23	29.4	Calm	SE 1	-------	W	2.3
18	57.41	56.53	24.2	28.2	Calm	SW 1	SW	SW	2.3
19	57.33	56.53	22.7	28.4	Calm	ENE 1	S	W	23.4
20	57.45	56.31	22.8	30.4	Calm	E 3	-------	SW	26.2
21	57.80	56.85	23.5	30.4	Calm	SSW 3	W	SSW	.3
22	58.16	56.96	24.5	29.6	Calm	SSE 1	SW	S	.2
23	57.07	55.32	23.2	30.4	Calm	W 4	SW	W	-------
24	56.94	56.31	24	28.6	Calm	W 3	W	W	-------
25	56.34	55.18	26.2	29.7	SSW 3	WSW 3	SW	W	.8
26	56	54.07	24.3	31.8	Calm	W 4	W	W	-------
27	54.92	53.44	23.7	31.8	Calm	SW 3	W	SW	-------
28	54.65	53.80	26.2	32.1	SSW 1	SSW 5	-------	SW	-------
29	55.92	54.99	22.6	31.6	Calm	SW 4	-------	SW	-------
30	56.31	55.51	22.8	32.4	Calm	WSW 4	SW	SW	-------
31	55.40	53.39	25.7	31.6	Calm	SW 5	-------	SW	-------
Mean	57.12	56.06	23.8	29.9	0.3	2.4	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	125.9

BORONGAN.

[$\phi = 11° 37'$ N; $\lambda = 125° 26'$ E; barometer above sea, 10 meters; gravity correction not applied, —1.81 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	54.04	53.41	25.6	31.6	Calm	SW 4	W	SW	0.5
2	55.61	54.76	23.8	29.6	Calm	SW 3	SW	SW	-------
3	56.57	55.51	22.7	31.3	Calm	SW 2	W	SW	-------
4	57.55	56.46	23.5	29.2	Calm	S 2	SW	SW	-------
5	57.84	56.93	23.7	29.8	Calm	SSW 1	E	S	6.6
6	57.75	56.50	23.4	27.7	Calm	N 1	S	N	163.9
7	56.65	55.18	23.4	24.3	Calm	E 5	NNE	E	47.8
8	57.36	56.10	21.4	32.7	Calm	S 3	-------	S	-------
9	58.10	56.90	22.4	33.6	Calm	WSW 2	-------	SW	-------
10	58.05	56.73	22.5	32.5	Calm	W 4	W	W	-------
11	56.84	55.01	25	33.4	SW 3	WSW 4	SW	SW	-------
12	56.67	55.36	26.4	31.6	W 1	WSW 4	W	SW	-------
13	56.28	54.12	26.4	32.2	SW 1	WSW 4	SW	SW	-------
14	54.09	52.51	26.8	30.2	WSW 1	SW 4	W	SW	-------
15	52.23	51.24	27.1	30.7	SSW 2	SSW 5	SW	SSW	.3
16	54.08	53.80	26.4	29.8	SSW 2	SSW 5	S	SSW	-------
17	56	55.89	23.6	32.6	Calm	SSW 4	S	SSW	2.5
18	56.27	58.84	23.4	32.5	Calm	W 4	S	W	-------
19	54.77	54	25.5	31.2	Calm	W 4	W	W	-------
20	55.43	54.64	23.6	30.3	Calm	WSW 4	WSW	SW	3
21	57.32	56.46	23.5	31.5	Calm	SSW 3	SSW	SSW	-------
22	58.98	57.70	25.3	33.8	Calm	SW 3	-------	SW	-------
23	59.44	58.70	24	24	Calm	N 2	NW	N	30.7
24	58.77	57	22.7	31	Calm	NNE 4	NNE	NNE	-------
25	57.60	56.07	23.3	30.8	Calm	NNE 4	NNE	NNE	.3
26	55.90	54.29	25.1	30.4	Calm	SW 3	NW	SW	1.3
27	55.66	55.48	24.2	31.6	Calm	S 4	SSW	S	-------
28	58.15	56.33	23	33.8	Calm	SSW 4	-------	SSW	-------
29	57.86	56.41	23.1	32.2	Calm	S 4	-------	SW	-------
30	57.73	55.94	23.7	33.4	Calm	WSW 3	W	SW	1.5
31	-------	-------	-------	-------	-------	-------	-------	-------	-------
Mean	56.65	55.48	24.2	31	0.4	3.4	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	258.4

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.68	57.61	24.1	30.7	Calm	E 3	-------	WSW	-------
2	59.54	58.95	23.6	29.3	Calm	S 3	-------	SW	0.3
3	60.02	58.15	22.6	30.5	Calm	ENE 3	SW	W	2.8
4	59.24	58.01	23.6	27.6	Calm	E 2	W	NW	5.9
5	58.71	57.07	22.6	30.4	Calm	NE 2	NE	N	31.8
6	58.65	57.86	23	28.7	Calm	E 2	NW	W	15
7	59.36	57.93	23.9	30	Calm	WSW 4	W	W	-------
8	59.60	57.60	24.8	31.2	Calm	SW 2	SW	SW	1.3
9	58.62	57.07	23	32.1	Calm	SW 3	SW	SW	-------
10	58.21	56.09	23.4	31.6	Calm	SSW 3	SW	SW	-------
11	57.87	56.21	23.6	31.3	Calm	S 2	-------	S	.3
12	57.95	56.20	23.7	30.7	Calm	WSW 2	W	W	.8
13	57.16	55.49	24.6	31.2	Calm	WNW 2	NW	NW	2.3
14	54.45	52.59	26	26.9	NW 2	N 5	N	NE	41.9
15	51.15	49.52	26.4	25.2	NE 8	E 9	NE	E	82.8
16	54.27	53.94	24	27.5	S 6	S 4	S	S	14
17	57.76	57.26	23.3	28.8	Calm	SSE 3	S	S	-------
18	60	58.05	23.4	30.6	Calm	NE 2	S	NE	34.8
19	59.65	58.39	23.3	28	Calm	ENE 2	NE	NE	1.5
20	59.04	56.93	23	28.8	Calm	ENE 3	NE	NE	-------
21	58.89	57.79	23.7	29.1	Calm	NNE 2	NE	N	.3
22	58.72	57.30	23	30.2	Calm	ENE 2	-------	NE	-------
23	58.49	56.61	22.8	28.2	Calm	NNE 3	NNE	NNE	-------
24	57.65	56.92	22.1	25.5	Calm	NNE 2	-------	N	9.7
25	56.82	55.56	22.9	31.7	Calm	WSW 2	N	W	-------
26	57.49	56.78	24.5	31.6	Calm	S 2	-------	S	-------
27	59.14	59.11	23.2	30.2	Calm	E 3	S	SE	-------
28	59.82	59	23.4	29.8	Calm	NE 3	E	NE	5.6
29	58.76	58.34	22.8	25	Calm	Calm	NE	NE	11.1
30	59.97	58.38	24.9	30.2	Calm	E 2	SE	SE	-------
31	60	58.68	22.8	30.5	Calm	E 2	-------	N	39.9
Mean	58.25	56.95	23.6	29.5	0.5	2.7	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	302.1

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.39	56.14	24.7	26.5	NNW 2	E 5	E	E	31.5
2	59.29	58.54	23.1	28.4	Calm	E 1	SW	SW	53.1
3	60.19	58.60	24.8	29.9	Calm	E 1	SW	E	4.8
4	59.22	58.36	22.9	29.1	Calm	NE 1	NE	NE	14.2
5	58.14	56.74	24.5	29	Calm	NE 2	NE	NE	37.1
6	55.78	56.56	26.5	28.9	E 4	E 4	E	E	4.4
7	59.56	59.09	25.3	26.5	Calm	E 1	E	E	36.1
8	60.01	59.12	22.1	29.9	Calm	E 2	E	E	20.9
9	58.97	57.78	23.5	27.9	Calm	E 2	E	ENE	40.6
10	58.61	57.72	23.3	29.8	Calm	E 2	ENE	E	41.9
11	59.08	58.40	24.7	29.8	Calm	E 2	NE	NE	21.6
12	59.48	58.59	25.3	28.8	Calm	E 1	NE	NE	12.5
13	59.05	57.60	23.6	30	Calm	E 1	NE	NE	10.7
14	58.71	57.38	22.6	30	Calm	E 2	E	NE	-------
15	59.56	57.90	23.2	30.4	Calm	E 2	NE	NE	-------
16	59.57	58.45	22.5	30.4	Calm	E 1	-------	-------	10.9
17	58.72	57.75	23.9	30.3	Calm	E 2	NE	ENE	5.1
18	58.66	57.20	22.5	30.2	Calm	E 2	ENE	E	-------
19	58.71	56.15	22.9	30.2	Calm	N 1	NE	N	-------
20	57.50	55.91	22.5	30.5	Calm	NE 3	-------	NW	-------
21	57.07	55.85	22.2	29.5	Calm	NE 2	-------	NW	3.6
22	57.60	56.41	23.1	28.6	Calm	NE 3	-------	NE	2.3
23	56.93	55.73	25.1	29.5	NNW 1	NNW 2	N	N	1.8
24	53.75	50.51	25.4	25.7	NW 3	NEbyN 5	N	NE	311.9
25	53.25	54.98	-------	-------	SSE 2	S 3	SE	SSW	26.2
26	58.92	57.12	23.5	29.5	Calm	E 1	SW	NE	3.8
27	57.95	55.74	23.5	26.7	Calm	N 1	NE	N	44.4
28	55.61	55.45	26.5	28.5	E 3	E 3	E	E	28.7
29	57.97	57.97	23.6	27.5	Calm	Calm	NE	NE	2.6
30	59.50	58.95	23.5	26.5	Calm	ESE 1	NE	NE	7.1
31	-------	-------	-------	-------	-------	-------	-------	-------	-------
Mean	58.19	57.09	23.8	28.9	0.5	2	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	777.8

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	61.20	60.11	22.1	28.9	Calm	E 1	NE	NE	-------
2	61.23	59.13	21.5	28.8	Calm	E 1	NE	NE	1.8
3	58.76	56.62	22.2	29.2	Calm	N 1	N	N	-------
4	56.50	55.41	24	28.5	WNW 2	W 2	NW	W	-------
5	57.42	56.51	23.5	31.5	Calm	Calm	SW	SW	-------
6	58.90	58.21	20.8	29.6	Calm	E 2	-------	E	-------
7	60.38	59.29	22.7	29	Calm	NE 3	-------	NE	-------
8	59.86	58.99	23	28.9	Calm	NE 2	-------	NE	26.9
9	60.25	59.58	22.6	26.8	Calm	NE 2	N	NE	91.7
10	60.07	60.18	23.7	26.6	NE 2	NE 3	NE	NE	77.4
11	60.34	59.86	25.5?	28.2	NE 2	NE 3	NE	NE	12.5
12	60.56	60	25.5	28.2	NE 1	NE 0	NE	NE	49.3
13	60.77	60.56	24.3	26.5	ENE 2	ENE 0	NE	NE	38.3
14	60.90	60.17	25	28.8	ENE 1	ENE 3	ENE	NE	3.8
15	60.97	59.93	23.5	28.9	ENE 2	ENE 2	NE	NE	-------
16	60.44	59.42	24	29	Calm	ENE 2	NE	NE	2.6
17	60.30	59.31	22.5	26.7	Calm	ENE 2	NE	NE	11.9
18	59.50	56.98	20.8	30.2	Calm	NNE 1	NE	N	-------
19	58.36	57.65	20.7	29	Calm	NE 2	-------	NW	9.4
20	58.72	57.63	23.2	29	Calm	NE 2	NE	NE	-------
21	59.12	57.96	23.3	29	Calm	NE 2	NE	NE	1.3
22	59.16	58.44	23.4	29.5	Calm	NE 2	E	NE	12.9
23	60.84	59.41	23.6	29.7	Calm	NE 2	NE	NE	2.8
24	59.67	59.06	24.3	27.5	NE 1	NE 1	NE	NE	10.5
25	59.91	59.66	26	28.7	ENE 3	ENE 3	E	E	4.8
26	60.88	59.76	26.5?	29.5	ENE 3	ENE 2	E	E	18.5
27	60.33	59.78	25.8	29	ENE 3	ENE 3	E	E	9.2
28	60.63	59.93	24.5	28.3	Calm	E 1	E	E	16
29	61.57	60.77	22.8	29.5	E 2	E 3	E	E	7.3
30	61.22	60.31	25.5	28.9	E 3	E 2	ENE	E	10.9
31	60.66	60.01	25.5	27.2	E 3	E 3	ENE	ENE	48
Mean	59.98	59.05	23.6	28.7	1	1.9	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	467.8

MASBATE.[1]

[ϕ=12° 22′ N; λ=123° 36′ E; barometer above sea, 3.5 meters; gravity correction not applied, —1.79 mm.]

JANUARY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	60.52	59.10	23.8	29.2	NE	1	NE	3	NE	NE	------
2	61.07	60.16	22.8	28.2	SW	3	NNW	3	NE	NE	1.8
3	61.42	61.04	23.5	28.5	NE	2	NNW	3	NE	NE	.8
4	62.12	60.70	23.6	28.6	NE	1	NE	3	NE	NE	1.8
5	61.39	60.10	23.6	29	NE	1	NE	3	NE	NE	5.6
6	60.69	60.42	24.4	24	NE	3	NE	3	NE	NE	4.6
7	61.29	60.62	23	28.6	NE	2	E	3	NE	NE	.3
8	61.65	60.22	22.2	27.8	SE	1	NE	3	NE	NE	------
9	61.39	60	23.4	28.2	SE	2	N	3	NE	NE	------
10	61.57	60.55	22.8	30	NE	2	SE	3	NE	NE	.5
11	62.87	61.53	22.6	28.5	SE	2	NE	1	NE	NE	------
12	62.54	61.55	23.6	24.6	SE	1	NE	3	NE	NE	10.9
13	62.84	61.40	24.2	28.3	E	3	NE	3	NE	NE	------
14	63.30	61.63	22.8	28.2	S	3	E	3	NE	NE	------
15	62.77	61.70	23.2	28.2	N	3	N	1	NE	NE	------
16	63.38	62.30	24.2	30	N	3	E	3	NE	NE	------
17	63.44	62.57	22.4	28.8	SW	2	NNW	3	NE	NE	------
18	63.54	62.27	23.5	29.8	N	3	N	3	NE	NE	------
19	63.77	63.17	24.2	29.8	N	3	NE	3	NE	NE	------
20	63.42	62.55	23.6	28	NE	1	NE	3	NE	NE	.8
21	63.29	62.37	21.8	28.6	NE	1	SE	3	NE	NE	------
22	63.12	61.67	22.5	29.6	NE	2	NE	3	NE	NE	------
23	62.54	61.95	23.8	27.8	W	3	N	3	NE	NE	------
24	63.39	62.30	22.8	30	S	1	E	3	NE	NE	------
25	63.12	62.20	22.5	30	SE	1	E	3	NE	NE	------
26	63.09	62.40	22.6	30.2	SW	3	E	3	NE	NE	------
27	64.39	63.10	23	28.8	NE	1	E	3	NE	NE	------
28	63.92	62.40	24.4	27	N	3	N	3	NE	NE	2
29	63.77	61.78	24.4	28.4	N	3	NNW	3	NE	NE	------
30	62.92	61.87	22.4	29.6	SE	2	SE	3	NE	NE	------
31	62.62	------	22.6	----	Calm		----------		NE		------
Mean	62.62	61.52	23.2	28.5		2		2.9	------	------	------
Total	------	------	----	----	----------		----------		------	------	29.1

FEBRUARY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	62.87	61.27	22	29.6	S	1	E	3	------	NE	------
2	62.32	61.22	24	30	N	2	N	3	NE	NE	------
3	62.72	61.62	24.5	28.8	N	3	N	3	NE	N	------
4	62.84	62.08	24.2	28.5	N	2	E	3	NE	NE	------
5	63.19	62.70	24.5	27.8	NE	2	E	3	NE	NE	1.5
6	63.99	------	23.6	----	NE	3	----------		NE	----------	------
7	64.57	63.12	23.2	30	NE	2	E	3	NE	NE	------
8	64.09	62.45	22.6	30.5	N	2	E	3	NE	NE	------
9	63.32	61.52	21	30	Calm		SE	3	------	NE	------
10	62.62	60.92	24	27.6	NE	3	NNW	3	NE	NE	5.1
11	61.74	61	23.8	29.5	N	3	S	3	NE	NE	------
12	61.87	60.32	24	28.4	NE	2	NE	3	NE	NE	.3
13	60.97	59.22	24.2	30.2	NE	2	E	3	NE	NE	------
14	59.92	58.62	24.8	27.8	WNW	3	NNW	3	NW	N	2
15	59.91	59	24.4	28.5	SE	1	NNW	3	NE	NE	------
16	60.72	59.08	25	31.5	Calm		SE	3	NE	NE	------
17	60.57	59.58	25	30.5	NE	3	SE	3	NE	NE	------
18	60.57	60.25	23.6	28.5	NW	1	N	3	NE	N	1.8
19	61.81	61.10	24.4	26	N	3	N	3	NE	NE	65.5
20	62.02	61.17	23	24.6	NE	1	NE	3	NE	NE	22.6
21	62.12	60.92	24	29.8	E	3	SE	3	NE	SE	------
22	61.92	61	22.6	29.4	SE	2	E	3	SE	NE	------
23	61.94	60.20	22.8	29.5	E	1	SE	3	NE	NE	5.1
24	61.22	59.37	23.5	29.2	NE	3	NE	3	NE	NE	------
25	61.02	60.38	23	30.6	E	1	E	3	NE	NE	------
26	61.04	59.53	23	30.8	W	2	E	3	NE	NE	.3
27	60.67	------	23.6	----	NE	2	----------		NE	----------	2.3
28	60.69	58.95	24	29.5	E	1	E	3	NE	NE	------
29	60.24	59.13	24.5	31.2	NW	3	NE	3	NE	NE	------
30	------	------	----	----	----------		----------		------	------	------
31	------	------	----	----	----------		----------		------	------	------
Mean	61.84	60.58	23.7	29.2		2		3	------	------	------
Total	------	------	----	----	----------		----------		------	------	106.5

MARCH.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.99	59.63	24	30.8	NE	3	NE	3	NE	NE	------
2	61.34	60.52	23	29.6	NE	1	NW	3	NE	NE	------
3	62.02	61.13	24.2	30.5	E	2	NE	3	NE	NE	------
4	62.17	60.65	24.2	30.2	NE	3	E	3	NE	NE	------
5	60.94	59.98	23.2	29.2	Calm		NNE	3	NE	NE	------
6	61.34	60.73	23.8	31.2	SE	2	NE	3	NE	NE	0.5
7	61.66	60.53	24.5	30.6	N	3	SE	3	NE	NE	------
8	62.27	61.35	24.5	30.4	SE	2	SE	3	NE	NE	------
9	63.24	61.47	22.5	30.8	SE	1	NE	3	NE	NE	------
10	62.44	61.05	22.6	30.4	SW	3	SE	3	E	NE	------
11	60.87	59.56	23.2	31.2	Calm		E	3	NE	NE	------
12	59.39	57.92	23.8	31.2	Calm		SE	3	SE	NE	------
13	59.44	58.50	25	32	SE	3	SE	3	NE	NE	------
14	60.26	60.11	23.6	30.6	SE	1	SE	3	NE	NE	------
15	61.04	60.30	23.6	30.8	SE	1	E	3	SE	NE	------
16	61.07	60.20	23.4	29.6	SW	2	E	3	NE	NE	------
17	61.97	60.53	23.8	30	SE	2	NW	3	NE	N	------
18	62.04	61.11	22.2	31	SW	2	NE	3	NE	NE	------
19	62.49	61.49	23.6	27.2	S	2	NNW	3	NE	NE	2.8
20	62.44	60.97	25	30.5	NE	3	E	3	NE	NE	------
21	62.52	61.93	----	31.6	SE	3	NE	3	NE	NE	------
22	63.32	61.83	25	30.6	SE	3	E	3	NE	NE	------
23	62.52	61.38	25.5	30.5	NE	2	NE	3	NE	NE	------
24	62.27	61.13	24.2	31.5	NE	2	SE	3	NE	NE	------
25	------	------	----	----	----------		----------		------	------	------
26	------	61.23	----	30.8	----------		SE	3	------	NE	.3
27	62.42	61.92	24.2	26.5	NE	1	SW	1	NE	NE	4.1
28	61.97	61.03	24.2	31.2	SE	3	E	3	NE	NE	------
29	61.99	61.82	24.2	29.2	SE	1	NE	3	NE	NE	------
30	62.17	61.23	24.6	32.8	E	2	SE	3	NE	NE	5.1
31	62.17	61.13	23.6	31.5	N	3	E	3	NE	NE	1.3
Mean	61.72	60.75	23.9	30.5		1.9		2.9	------	------	------
Total	------	------	----	----	----------		----------		------	------	14.1[2]

APRIL.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	61.77	60.75	22.6	30.6	SE	1	NE	3	NE	NE	------
2	61.94	60.58	23.5	32	NE	1	E	3	NE	NE	------
3	61.82	60.50	24.8	31.2	NE	1	NE	3	NE	NE	------
4	61.02	59.63	23.6	33	SW	1	E	3	NE	NE	------
5	60.29	59.48	24	31.5	NE	2	SE	3	NE	NE	------
6	60.66	59.94	24	31.6	SE	2	NE	3	NE	NE	------
7	61.24	59.90	24.5	30	SW	3	NNW	3	NE	NW	------
8	61.24	59.88	23.5	32	SE	1	NE	3	NE	NE	------
9	61.42	60.28	25.2	31.5	W	3	E	3	NE	NE	------
10	62.47	61.33	26	32	NE	2	SE	3	NE	NE	------
11	62.64	61.20	25	31	NE	1	E	3	NE	E	2.5
12	63.54	62.38	24.8	30.6	E	2	E	3	NE	NE	------
13	64	63.28	25.5	27.5	E	1	SW	1	NE	NE	1.3
14	63.45	61.85	25.6	32.6	NE	3	NE	3	NE	NE	------
15	62.17	60.50	24	31.6	E	1	E	3	NE	NE	------
16	61.67	60.98	25	32.2	E	3	E	3	NE	NE	------
17	62.02	60.72	25.5	31.2	NE	3	SE	3	NE	NE	------
18	61.89	60.53	23.8	32.6	SE	2	SE	3	NE	NE	------
19	61.50	60.15	25.2	31.4	E	3	SE	3	NE	NE	------
20	60.52	60.05	25.2	32.4	SE	1	E	3	NE	NE	------
21	60.47	59.65	25.6	33.6	E	3	E	3	NE	NE	------
22	60.60	59.25	26.2	33.2	NE	1	NE	3	NE	NE	------
23	60.45	58.80	24.5	32.5	SE	2	SE	3	NE	NE	------
24	60.20	59.08	25	31.6	NE	2	E	3	NE	NE	------
25	59.95	58.80	25.2	32.5	E	3	E	3	NE	NE	------
26	60.49	58.90	24	31.5	SE	2	NNW	3	NE	NE	------
27	60.42	59.63	26.5	28.5	N	3	SE	3	NE	NE	5.4
28	60.27	59.43	25.6	32	NE	2	E	3	NE	NE	------
29	60.07	58.38	25.2	32.6	SE	1	E	3	NE	NE	------
30	58.99	57.60	25	32.8	E	2	E	3	NE	NE	------
31	------	------	----	----	----------		----------		------	------	------
Mean	61.31	60.11	24.8	31.6		1.9		2.9	------	------	------
Total	------	------	----	----	----------		----------		------	------	9.2

[1] The barometric readings of this station seem to be too high by about 0.30 mm.

[2] 30 days of observation.

MASBATE.

[$\phi = 12° 22'$ N; $\lambda = 123° 36'$ E; barometer above sea, 3.5 meters; gravity correction not applied, —1.79 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	59.07	57.62	25	33.2	E	3	E	3	NE	NE	------
2	59.19	58.45	25.2	31.2	E	2	SE	3	NE	NE	------
3	60.97	59.83	26.6	31.5	E	3	E	3	NE	NE	------
4	61.27	59.80	25.2	32.5	E	2	SE	3	NE	NE	------
5	60.45	58.85	25	32.2	E	3	SE	3	NE	NE	------
6	59.50	57.95	24.5	33	E	1	SE	3	NE	NE	------
7	59.95	58.48	25.5	33.2	SW	2	E	3	SE	NE	------
8	59.92	58.68	25.5	32.6	E	1	NE	3	NE	NE	------
9	59.29	58.30	25.5	32.5	SE	2	NE	3	NE	NE	------
10	60.22	59.30	25.5	32	E	3	E	3	NE	NE	------
11	61.07	59.45	26	32.6	NE	1	E	3	NE	NE	------
12	60.30	58.50	26	33.2	SE	2	SE	3	NE	NE	------
13	59.50	57.90	25.6	33	SE	1	SE	3	NE	SW	------
14	59.14	58.50	25.6	32.2	Calm		NNW	3	NE	NE	------
15	59.32	58.43	26.5	30.2	Calm		E	3	SE	NE	------
16	59.35	58.13	26.2	31.2	Calm		E	3	SE	NE	------
17	59.02	58.06	25.6	32.5	SE	1	N	3	SE	NE	------
18	59.30	58.63	26.6	33.5	SE	2	SE	3	NE	NE	------
19	59.32	58.23	26.6	33.5	SE	3	SE	3	NE	NE	------
20	58.92	57.03	27	34.2	E	2	E	3	NE	NE	------
21	59.12	58.05	28.2?	28	SE	2	SW	3	NE	NE	------
22	59.07	58.45	25	28.2	E	1	SW	3	NE	SE	------
23	59.15	58.03	25.6	30	E	2	SW	3	NE	SW	------
24	58.99	56.90	26.2	33.6	SE	2	E	3	NE	NE	------
25	58.24	56.43	26	33	SE	1	E	3	NE	NE	------
26	57.92	56.88	27.2?	33	Calm		NNW	3	NE	NE	------
27	58.27	57.15	26.5	29.2	SW	3	SW	3	NE	SW	1
28	58.89	58.07	25.5	32.6	SW	2	NNW	3	SW	SW	------
29	59.90	58.36	27.6	34.4	SE	2	E	3	NE	NE	------
30	59.45	57.86	28	31.6	SW	1	W	3	NE	SW	------
31	59.25	57.59	28.4?	35	SE	2	E	3	SE	NE	------
Mean	59.46	58.19	26.1	32.2	1.7		3		------	------	------
Total	------	------	------	------	------		------		------	------	1

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	59.05	57.82	27.2	34.6	SE	1	SE	3	NE	NE	0.8
2	60.20	59.04	27	32.8	SE	1	E	3	NE	NE	------
3	59.65	58.75	27	32.6	SE	1	E	3	NE	NE	------
4	58.82	57.48	27.2	33.2	SE	2	E	3	NE	NE	------
5	58.62	56.78	27	34.5	SE	2	E	3	SE	NE	.5
6	58.92	57.06	26.5	34.2	SE	1	SE	3	NE	SW	------
7	58.85	56.65	27	33.6	SE	1	E	3	NE	NE	------
8	58.58	57.55	27	28.2	SW	2	SW	3	SW	SW	71.1
9	58.95	57.68	25.5	32.5	SW	2	SW	3	NE	NE	2.3
10	59.52	57.45	26.2	32.2	SW	2	N	3	NE	NE	------
11	58.87	59.07	27.2	28.5	SW	2	E	3	NE	NE	23.6
12	59.19	58.55	26.5	26.5	Calm		NNW	3	NE	NW	.6
13	59.32	58.38	26	30.5	SW	1	SW	3	SW	SW	10
14	59.47	58.20	26	28.5	SW	3	E	3	SW	NE	32.2
15	59.05	57.53	26.6	28	SE	2	E	2	NE	NE	23.8
16	57.65	56.48	26.6	31.6	SE	2	SW	3	NE	SW	1.3
17	56.80	56.16	27	31.5	SW	3	SW	3	SW	SW	------
18	57.75	56.73	28	32	SW	3	SW	3	SW	SW	------
19	57.97	56.17	27	31.5	SW	3	SW	3	SW	SW	------
20	57.92	56.38	27.5	32.8	SW	3	SW	3	SW	SW	------
21	57.27	56.77	27.2	31.8	SW	2	SW	3	SW	SW	1.3
22	58.65	57.13	27.5	32.6	SE	3	SW	3	SW	SW	11.9
23	58.77	57.53	24.5	31.5	SE	2	NE	3	NE	SW	.3
24	58.37	56.65	26.6	32.5	SW	3	SE	3	NE	SW	------
25	58.32	56.96	27	32.8	SE	2	SW	3	NE	NE	------
26	58.59	57.36	26.6	31	SW	3	E	3	SW	SW	25.1
27	59.09	57.06	25.6	31.5	SE	3	SW	3	SW	SW	------
28	58.10	56.42	29.5?	31.6	SW	3	SW	3	NE	SW	------
29	58.17	56.55	26.2	29.2	W	3	W	3	NE	NE	8.9
30	58.72	57.53	26.5	32	SE	2	E	3	NE	NE	------
31	------	------	------	------	------		------		------	------	------
Mean	58.64	57.33	26.8	31.5	2.1		3		------	------	------
Total	------	------	------	------	------		------		------	------	213.7

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	58.62	57.62	27	31.5	S	2	E	3	NE	SW	------
2	58.33	57.43	26.6	29.8	W	3	SW	3	SW	SW	------
3	58.99	57.59	26.5	26.6	SW	3	SW	3	SW	SW	6.4
4	59.95	58.88	25.2	30	SW	3	N	2	SW	SW	26.4
5	60.20	58.33	24.2	30	SE	1	S	3	SE	SE	------
6	58.75	56.93	26.2	32.5	SE	2	SE	2	NE	NE	------
7	58.17	56.45	26.5	29	SW	3	SW	2	NE	NE	8.6
8	57.70	57.05	25.5	26.8	SW	3	SW	3	SW	SW	5
9	57.62	56.70	25	27.8	SE	2	SE	2	NE	NE	8.9
10	58.47	57.70	25.5	29	SE	2	SE	3	NE	NE	------
11	58.69	57.53	26	32	Calm		SE	3	NE	NE	------
12	58.22	56.90	27	32.5	E	1	SE	3	NE	NE	------
13	57.72	56.57	27	33.5	Calm		NE	3	SW	NE	------
14	57.55	57.81	27.6	26.5	NNW	2	SW	2	NE	NE	2.8
15	59	57.05	25.5	30.5	SW	3	SE	3	SW	NE	2.8
16	58.59	57.85	25.5	29	SW	3	NNW	3	SW	N	.5
17	58.05	56.42	25.5	29	SE	1	NNW	1	SW	N	26
18	56.66	55.77	24.5	27.4	SW	3	SW	3	SW	SW	6.4
19	55.84	54.95	25.2	28.8	SW	2	SW	3	SW	SW	11.4
20	55.92	55.40	26.5	26.5	SSW	3	W	3	SW	SW	35.5
21	56.90	55.78	26.2	31	W	3	SW	3	SW	SW	6.6
22	57.59	56.53	25.2	30.6	S	3	SW	3	SW	SW	------
23	57.04	55.93	26	31.5	E	1	SSE	3	SW	SW	.5
24	57.29	56.93	26.2	30.2	S	3	SW	3	SW	SW	------
25	58.34	57.38	27	31	SW	3	SE	2	SW	SW	.8
26	57.93	57.43	26.5	27.6	NW	3	NW	2	NW	NW	5.5
27	56.47	55.37	26	27	NW	3	NE	3	NW	NE	5.1
28	55.63	55.40	25	29	SW	3	SW	3	SW	SW	21.6
29	56.90	57.70	24.6	25	Calm		SW	3	SW	SW	15
30	57.98	57.40	25	26	SE	1	SW	3	SW	SW	1.5
31	57.59	57.18	25.6	29.6	Calm		SW	3	SW	SW	1.5
Mean	57.83	56.90	25.9	29.3	2.1		2.7		------	------	------
Total	------	------	------	------	------		------		------	------	198.8

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	56.87	56.70	26	29.6	SW	3	SW	3	SW	SW	------
2	57.29	57.35	26.2	29	S	2	SW	3	SW	SW	17.3
3	58.44	57.77	26	28.5	SW	2	SW	3	SW	SW	.3
4	58.67	57.30	25.6	29.6	SW	3	SW	3	SW	SW	------
5	57.87	56.93	25.6	30	SW	3	NNW	3	SW	NW	14.7
6	58.84	57.95	26	30	SW	3	SW	3	SW	SW	------
7	59.09	58.45	27	26	SW	3	SW	3	SW	SW	62
8	58.38	57	25.2	28.5	SW	3	SW	2	SW	SW	12.4
9	57.73	57.16	24.5	24.6	SW	3	NW	3	SW	SW	5.4
10	58.32	57.23	24.2	27.5	SW	3	SW	3	SW	SW	26.4
11	57.17	56.70	26.2	29.6	SW	4	SW	4	SW	SW	8.6
12	56.55	55.68	26.6	29.2	SW	4	SW	4	SW	SW	1.8
13	55.94	56.15	26	25	SSW	3	SW	3	SW	SW	11.4
14	56.57	56.20	25.6	29.6	SW	3	SW	3	SW	SW	------
15	58.20	57.23	26	30	SW	3	SW	3	SW	SW	.8
16	58.27	57.15	26.6	27.5	SW	3	S	3	SW	SW	15
17	57.74	56.67	26.5	28	SSW	3	SW	1	SW	SW	5.1
18	57.12	57.12	26.5	25.5	SSW	3	SW	3	SW	SW	13
19	57.27	56.65	25.5	25	SW	1	N	3	SW	SW	16
20	57.71	56.30	24.5	28	Calm		NE	1	SW	SW	8.3
21	57.52	57.07	26	27.5	SW	3	SW	2	SW	SW	3.8
22	58.14	56.78	25.6	29.5	W	1	SW	3	SW	SW	1.5
23	57.99	56.05	25.5	27.6	SW	3	SW	3	SW	SW	1
24	57.24	56.82	26.5	28.2	SW	4	SW	4	SW	SW	------
25	57.12	55.65	27.2	29	SW	4	SW	4	SW	SW	------
26	55.49	53.95	26.6	30.2	SW	4	SW	5	SW	SW	.8
27	54.77	53.45	26.6	28	SW	3	SW	4	SW	SW	4.1
28	54.42	53.87	27	29	SW	4	SSW	3	SW	SW	1.1
29	55.82	55	26.2	30.2	SSW	3	SW	4	SW	SW	3
30	57.42	55.65	26.5	29.2	SW	4	SW	4	SW	SW	------
31	55.37	53.68	27.5	29.5	SW	3	SW	4	SW	SW	.5
Mean	57.27	56.38	26	28.3	2.9		3.1		------	------	------
Total	------	------	------	------	------		------		------	------	234.3

MASBATE.

[$\phi = 12°\ 22'$ N; $\lambda = 123°\ 36'$ E; barometer above sea, 3.5 meters; gravity correction not applied, —1.79 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.							*mm.*
1	54.77	53.92	26.6	27.8	SW	3	SW	3	SW	SW	10.9
2	55.47	55.15	25.6	27	SW	3	SW	3	SW	SW	.5
3	56.15	55.58	26.2	29	S	2	SSW	3	SW	SW	.6
4	57.29	56.70	26.6	30.2	SSW	3	SSW	3	SW	SW	-------
5	57.65	57.33	25.2	30	Calm		SE	2	-------	SW	-------
6	58.24	57.10	25.5	29.6	SW	1	NW	3	SW	NW	51.3
7	57.09	56.21	23.5	24.2	SW	1	NNW	3	SW	NW	49.3
8	56.56	56.10	24	29.8	SE	2	S	3	SE	SW	-------
9	58.27	57.48	25.5	29.6	SW	3	SW	3	SW	SW	-------
10	58.10	56.98	26.5	29.6	SW	3	SW	3	SW	SW	-------
11	57.25	56	26.5	29	SW	3	SW	3	SW	SW	-------
12	57.39	55.74	27	29.5	SW	3	SW	4	SW	SW	-------
13	56.79	55.20	27.2	28.2	SW	3	SW	4	SW	SW	-------
14	54.98	53.19	27.5	28	SW	4	SW	4	SW	SW	-------
15	52.04	51.27	27.5	28.6	SW	4	SW	4	SW	SW	2.5
16	53.42	53.45	26	29	SW	2	SW	4	SW	SW	2.6
17	55.57	55.89	26.2	30	SW	2	SW	3	SW	SW	-------
18	56.62	55.38	26.5	29.2	SW	2	SW	3	SW	SW	-------
19	55.19	54.28	27	29.5	SW	3	SW	3	SW	SW	-------
20	55.49	54.99	26.6	29.5	SW	3	SW	3	SW	SW	1.5
21	56.84	56.45	26.2	30.2	SW	2	SW	3	SW	SW	-------
22	58.94	57.83	26.5	30.5	SW	1	W	3	SW	W	-------
23	59.60	58.63	27.2	29	SW	2	NW	3	SW	NW	-------
24	58.99	57.61	26.2	28.6	Calm		N	2	NW	N	-------
25	57.92	56.53	26.2	30.5	NNW	1	NW	3	N	NW	-------
26	56.97	54.78	26.5	29	W	2	W	3	W	SW	12.5
27	55.65	54.90	26.5	29.6	SW	•3	SW	4	SW	SW	-------
28	57.68	56.58	27.2	30	SSW	3	SW	3	SW	SW	17.5
29	57.62	56.80	25.5	29	SW	3	SW	4	SW	SW	-------
30	57.47	56.43	25.6	29.6	Calm		SW	3	SW	SW	-------
31	-------	-------	-------	-------	-------		-------		-------	-------	-------
Mean	56.73	55.82	26.2	29.1	2.2		3.2		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	149.2

OCTOBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.							*mm.*
1	58.79	57.31	26.5	32.2	SSW	2	SW	2	SW	SW	-------
2	59.57	59.07	26.2	27.8	SW	2	S	3	SW	SW	5.8
3	60.25	58.88	24.5	30.5	Calm		N	3	-------	SW	-------
4	59.43	57.67	25	29.2	Calm		SE	2	-------	SW	11.7
5	58.67	57.27	25.6	26	W	2	SW	2	SW	SW	7.7
6	59.02	-------	25	-------	SW	3	-------		SW	-------	10.9
7	59.51	58.35	24.5	26.6	W	1	SW	3	SW	SW	15.8
8	59.52	57.85	25.5	29	W	2	SW	3	SW	SW	6.4
9	58.42	57	26	29	SW	2	S	3	SW	SW	.3
10	57.80	56.25	26.2	29	SW	3	SW	4	SW	SW	3.1
11	57.30	56.16	26.2	29	S	3	S	3	SW	SW	5.6
12	58.27	57.08	24.6	27.6	SW	1	SW	3	SW	SW	16.8
13	58.54	56.35	25.2	29	SW	2	W	3	SW	W	.3
14	55.98	54.80	27	27.5	NW	3	NNW	3	N	NW	12.2
15	54.47	52.39	27	26	NW	4	N	4	N	NE	92.5
16	52.89	51.09	26.5	24.6	NE	4	SE	4	NE	SE	44.7
17	56.24	56.52	24.6	28.6	SE	4	S	4	SE	SE	1.3
18	59.96	58.53	24.4	30.2	NE	1	SE	3	SE	SE	3.8
19	60.42	58.43	24.5	28.5	E	2	E	2	NW	NE	-------
20	59.32	57.33	25.6	29.8	W	2	NW	3	N	NW	-------
21	59.27	58.35	25.2	28.4	E	1	SE	3	E	NE	1
22	59.12	57.92	26	29.2	NNW	2	NW	3	NW	NW	-------
23	59	56.85	26	30	NW	1	NNW	3	N	NW	1.5
24	58.65	56.83	26	28.5	Calm		NNW	3	N	N	3.3
25	57.19	56.18	26	29.2	NW	2	NW	3	NW	NW	.8
26	57.07	56.71	25.6	29.6	SW	2	S	3	SW	SW	12.7
27	58.90	58.60	25.5	29	SW	1	E	3	SW	SE	-------
28	60	58.78	25.2	30.6	E	1	SE	3	SE	SE	-------
29	58.94	58.28	24.6	28.5	Calm		NE	3	SE	NE	.3
30	59.24	58.65	25.2	29.5	S	1	NE	3	SE	NE	-------
31	60.32	59.03	24.6	31.5	SE	1	NE	2	NE	NE	-------
Mean	58.45	57.15	25.5	28.8	1.8		3		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	258.5

NOVEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.							*mm.*
1	60	57.05	26.6	29	NNW	3	N	3	NW	NE	5.6
2	59.24	58.27	25	29	SE	2	SE	3	SE	SE	3.3
3	60.22	58.63	27	27	SE	2	SW	3	E	SW	-------
4	59.82	58.28	25.2	29	N	2	SE	3	NE	NE	-------
5	59.22	58.55	26.2	27.5	NNW	3	NNW	3	NE	NW	50.8
6	56.70	56.29	26	26.5	NE	2	NE	3	NE	NE	14
7	59.60	59.14	25.5	24	NE	2	SE	3	SE	NE	7.9
8	60.57	59.10	25.2	30.2	NE	2	E	3	NE	NE	-------
9	59.69	58.17	24	29.8	SE	1	NE	3	NE	NE	1.3
10	59.17	57.71	24.5	30	NE	2	NNW	3	NE	NE	.8
11	59.74	58.98	25.2	27.2	SE	2	NNW	3	NE	NE	3.6
12	60.02	58.62	26.2	29	NNW	3	NNW	3	NE	NE	3.1
13	59.24	57.97	25.5	29	NE	2	NNW	3	NE	NE	4.1
14	59.11	58.08	24.2	28.4	SE	2	NNW	3	NW	NE	3
15	59.87	58.25	25.8	30	NNW	3	NNW	3	NW	NW	-------
16	59.62	58.70	25	28	SE	2	SE	3	NE	SW	-------
17	59.17	57.85	24.8	29.6	E	2	SE	3	NE	NE	-------
18	59.39	57.85	24.8	30.4	SE	1	E	3	NE	NE	-------
19	59.32	57.33	26	29.6	NNW	3	NNW	3	N	NW	-------
20	58.27	57.11	26	30.5	NNW	3	NNW	3	N	NW	-------
21	57.99	57.05	24.5	27	SW	3	NNW	3	NE	NW	-------
22	58.34	57.12	25.8	29.8	NNW	4	NNW	3	NW	NW	-------
23	58.39	56.65	26	30.2	NNW	3	NNW	3	NW	NW	-------
24	56.47	55.02	26.5	26.8	NNW	4	NNW	5	NW	NW	33.8
25	49.34	54.14	26	27.6	NE	7	S	4	NE	SE	-------
26	58.74	57.08	23	31	SE	1	NE	2	SE	NE	-------
27	59.02	57.57	25.2	29	W	1	NNW	3	NW	NW	35.3
28	56.99	55.44	25.4	26.5	NE	3	NE	4	NE	NE	20.8
29	57.36	57.22	24.4	27.6	E	3	SE	3	NE	SE	13.5
30	59.49	58.80	23.5	28.2	E	3	E	3	SE	SW	-------
31	-------	-------	-------	-------	-------		-------		-------	-------	-------
Mean	58.67	57.60	25.3	28.6	2.5		3.1		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	200.9

DECEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.							*mm.*
1	61.19	59.85	24.5	30.2	SE	2	SE	2	SE	SE	-------
2	61.29	59.73	23.2	28.5	SE	1	NNW	3	SE	NW	-------
3	59.67	57.55	25.2	29	NNW	3	NNW	3	NW	NW	-------
4	58.01	56.17	25.2	27.2	SW	3	W	3	SW	W	-------
5	57.77	57.13	25.5	29	S	3	SW	3	SE	SW	-------
6	59.39	-------	23.8	-------	SW	2	-------		-------	-------	-------
7	61.17	59.80	24	28.5	NE	1	NNW	3	-------	NW	-------
8	60.77	59.70	24.2	29.4	NNW	3	N	3	-------	NW	-------
9	61.09	60.52	25.2	25.2	N	3	N	3	N	N	21.1
10	60.79	60.82	25	24.4	N	3	NNE	3	NE	NE	51.3
11	60.87	60.02	23.6	28.5	NE	1	NE	3	NE	NE	2.5
12	61.17	60.15	24.6	29.4	NE	3	NE	3	NE	NE	6.3
13	61.19	60.67	25.4	25.2	NE	3	NE	3	NE	NE	15.3
14	61.59	60.37	24.8	28.8	NW	3	NNW	3	NE	NE	-------
15	61.12	60.03	23.8	30	SE	1	E	3	NE	NE	-------
16	61.17	59.68	23.8	29.4	NE	3	NE	3	NE	NE	.5
17	60.74	59.45	23.5	27.5	SE	2	NNW	3	NE	NE	.5
18	60.59	58.25	25.2?	28.5	NNW	3	NW	3	NW	NE	-------
19	58.86	58.02	23.5	28.2	SW	3	NNW	3	NW	NW	-------
20	59.19	58.34	24.6	28.2	SW	2	NNW	3	NW	NW	-------
21	59.59	58.62	25.2	28.6	NNW	3	NNW	3	NW	NW	.5
22	59.90	59.48	25	25	NNW	1	NE	3	NE	NE	16
23	61.39	60.30	23.6	26	N	3	NNW	3	NE	NE	-------
24	60.29	59.77	24.6	25.5	NNW	3	NNW	3	NW	NW	8.4
25	60.74	60.15	25.2	27	N	3	N	3	NW	NE	63
26	61.34	59.55	23.6	29.5	N	2	NE	3	NE	NE	.8
27	60.88	60.16	24.2	29.2	NE	1	E	3	NE	NE	.5
28	61.39	60.10	24.6	28.5	E	1	SE	3	E	NE	-------
29	61.74	60.65	24.2	28.6	NE	1	NE	2	NE	NE	1.8
30	61.98	60.72	24.5	29	NE	2	NE	3	NE	NE	2
31	61.49	59.85	24.4	29.2	NE	1	NE	3	NE	NE	-------
Mean	60.59	59.52	24.4	28	2.2		2.9		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	190.5

ROMBLON.

[$\phi = 12°\ 35'$ N; $\lambda = 122°\ 16'$ E; barometer above sea, 7 meters; gravity correction not applied, —1.78 mm.]

JANUARY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.79	58.46	24.2	29.3	NNE	2	NE	1	E	E	------
2	60.09	59.42	24	30.7	ENE	1	N	1	E	NE	4.6
3	60.32	60.05	24	27.8	E	3	ENE	2	ENE	------	.3
4	61.24	59.99	24	29.6	NE	1	E	3	E	E	.3
5	60.32	59.48	24.5	27.4	NNE	1	ENE	2	E	ENE	10.5
6	59.88	59.20	23.9	27.6	N	1	N	2	NNE	NNE	------
7	60.41	59.71	24.3	30.6	N	1	ENE	3	NNE	NNE	8.4
8	60.72	59.06	21.8	29.8	NNE	1	NE	2	NE	ENE	1.8
9	60.31	59.16	23.6	30.3	ENE	1	ENE	1	ENE	ENE	------
10	60.63	59.86	23.8	29.6	NNE	1	ENE	1	NE	ENE	4.8
11	61.77	60.52	24	29.6	ENE	1	ENE	1	ENE	------	6.9
12	61.59	60.53	24	24.5	ENE	1	ENE	1	ENE	ENE	23.9
13	61.62	60.10	24.5	29.9	ENE	3	ENE	3	ENE	ENE	------
14	62.28	61.06	24	30.2	ENE	3	NE	1	ENE	------	------
15	61.78	61.10	22.8	30	N	1	ENE	2	ENE	NE	------
16	62.63	61.53	23.9	30.6	NE	1	NE	2	ENE	ENE	------
17	62.37	62.13	24	29.1	ENE	2	ENE	2	ENE	NE	------
18	62.48	61.62	22.9	30.4	NNE	1	NE	2	ENE	ENE	------
19	62.83	62.25	22.9	30.1	N	1	NE	1	ENE	------	------
20	62.53	61.51	24.2	30	N	1	NE	2	NE	ENE	------
21	62.25	61.76	21.9	30.2	ENE	1	ENE	1	ENE	------	------
22	62.15	61.15	22.9	29.8	NE	2	E	2	ENE	ENE	------
23	61.69	61.22	19.5	29.5	ENE	1	NW	2	------	------	------
24	62.06	61.32	24.5	30.2	NE	1	E	2	ENE	NNE	------
25	62.04	61.30	24	29	NE	1	ENE	2	NNE	ENE	------
26	62.24	61.90	24	30.5	ENE	1	ENE	2	ENE	ENE	------
27	63.66	62.46	23.8	30.3	N	1	NW	3	NNE	N	------
28	63.34	61.76	23.6	30.3	NE	1	NNE	3	ENE	NE	------
29	62.89	61.16	22.6	29	NE	1	NW	3	SW	NNE	------
30	61.93	61.09	23.7	30.6	N	1	ENE	2	NNE	NE	1.5
31	61.68	61.08	23.7	29	ENE	1	ENE	2	NE	ENE	4.1
Mean	61.66	60.74	23.5	29.5	1.3		1.9		------	------	------
Total	------	------	------	------	------		------		------	------	67.1

FEBRUARY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	61.97	60.57	23.2	29.8	E	1	NW	2	NE	N	5.3
2	61.49	60.78	22.1	30.1	NNE	1	N	3	NE	NNE	2.3
3	61.88	60.81	23.6	30.5	NNE	1	ENE	2	NE	NE	------
4	61.77	61.25	24.3	30	NNE	1	N	2	NE	NNE	6.1
5	62.71	61.80	24.2	27.2	E	3	NE	3	ENE	NNE	6.6
6	63.82	62.16	24.2	29.7	ENE	3	ENE	3	ENE	ENE	.3
7	63.33	62.12	24.2	30	ENE	3	NE	3	ENE	ENE	------
8	63.36	61.36	23.5	30	ENE	2	NE	2	E	ENE	------
9	62.41	60.80	23.5	30.1	ENE	2	NE	2	ENE	------	1.3
10	61.48	60.10	23.9	30.8	NE	1	NNE	4	ENE	NE	2
11	60.59	60.31	24.7	30.6	NE	2	ENE	2	ENE	E	5.6
12	60.73	59.17	24.3	30.9	N	1	ENE	2	NNE	NE	3.3
13	59.58	58.46	23.7	29.7	ENE	3	ENE	2	E	E	.8
14	59.02	57.81	22.1	31.2	NE	1	NW	2	NE	N	2.3
15	58.90	58.22	24	30	N	1	N	1	NNE	NNE	1.5
16	59.41	58.41	25.1	31.4	NE	1	ENE	2	ENE	E	.8
17	59.37	58.66	25.3	31.6	ENE	2	ENE	2	E	ENE	------
18	59.79	59.34	24.7	31.2	E	2	ENE	2	E	NE	4.1
19	60.89	60.24	24	28.3	NNE	2	N	3	NE	NNE	1.5
20	61.07	60.47	24.1	24.2	N	5	N	5	NNE	NNE	27
21	61.08	60.11	23.8	28.2	N	3	NNE	2	NNE	NE	1.5
22	60.96	59.87	23.4	31	E	2	ENE	2	------	------	6.6
23	60.71	59.46	22.4	30.6	Calm		ENE	2	E	------	9.4
24	59.74	58.40	24.6	29.4	E	2	ENE	2	ENE	ENE	------
25	60.03	59.54	24.3	30.5	NE	3	E	2	ENE	ENE	------
26	59.91	58.95	24	30.5	ENE	3	NE	2	NE	ENE	------
27	59.57	58.59	24.2	28.5	E	2	ENE	2	ENE	NE	------
28	59.33	57.96	24.5	31.1	E	2	ENE	2	ENE	ENE	------
29	59.24	58.51	24.1	30.9	ENE	2	ENE	3	NE	NE	------
Mean	60.83	59.80	23.9	29.9	2		2.3		------	------	------
Total	------	------	------	------	------		------		------	------	88.3

MARCH.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58.91	58.87	24.3	31.4	ENE	2	ENE	3	E	NE	1
2	60.62	59.75	23.6	30.6	NE	1	ENE	2	ENE	E	.8
3	61.07	60.37	23.6	30.4	NE	1	N	3	NNE	NE	7.1
4	61.16	60.05	24.5	30.6	ENE	1	ENE	2	E	E	------
5	59.76	59.06	23.6	30.8	ENE	1	NW	2	E	NE	------
6	60.33	59.66	25.5	31.3	NNE	2	ENE	2	NE	ENE	1.3
7	60.62	59.80	25.4	31.7	ENE	2	NE	2	NE	ENE	------
8	60.88	60.29	25.5	32.7	ENE	2	ENE	2	ENE	E	------
9	61.99	60.66	23	31.6	ENE	1	ENE	2	------	E	------
10	61.33	60.12	24.3	31.4	ENE	4	ENE	2	ENE	E	------
11	59.43	58.87	24.5	27.5	ENE	1	ENE	1	E	------	------
12	58.08	56.99	22.8	32.2	Calm		ENE	1	------	------	------
13	58.10	57.67	22.5	30.3	Calm		NW	1	------	------	------
14	59.03	58.79	25.5	32.3	E	2	ENE	2	ENE	E	------
15	59.63	59.50	24.5	31.6	ENE	1	ENE	3	ENE	------	------
16	59.86	59.50	24.7	32.2	ENE	3	ENE	2	NE	------	------
17	60.78	59.64	23.5	31.5	E	2	ENE	3	E	L	------
18	60.92	60.40	24.5	32.1	ENE	3	ENE	3	NE	------	------
19	61.49	60.45	24.6	30.3	ENE	2	ENE	3	NE	NE	4.6
20	61.17	60.34	24.3	31.8	NE	2	ENE	2	NE	E	------
21	61.37	60.66	24.4	32.1	ENE	1	ENE	3	NE	------	------
22	62.26	61.15	25.2	30.7	ENE	1	ENE	2	NE	NE	1
23	61.53	60.30	25.6	32.3	ENE	2	ENE	3	NE	NE	------
24	61.33	60.36	24.9	33.4	ENE	2	ENE	2	ENE	E	------
25	62.27	60.88	25	32.8	ENE	2	ENE	2	ENE	------	------
26	62.08	60.30	25	32.7	ENE	1	ENE	3	ENE	E	------
27	61.28	60.49	25	31.8	ENE	2	ENE	2	NE	ENE	------
28	60.98	60.08	26	33.6	ENE	3	ENE	3	E	E	------
29	61.11	60.28	26.1	32.3	ENE	1	ENE	2	E	------	------
30	61.18	60.23	26	32.8	ENE	3	ENE	2	NE	------	------
31	60.73	60.35	26	29.6	ENE	2	ENE	2	NE	------	6.1
Mean	60.69	59.87	24.6	31.6	1.7		2.2		------	------	------
Total	------	------	------	------	------		------		------	------	21.9

APRIL.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	60.74	59.77	25	32.7	ENE	2	ENE	3	ENE	------	------
2	60.97	59.81	24.5	32.6	ENE	2	E	2	NE	E	------
3	61.02	59.76	25.5	33.7	NE	1	ENE	2	ENE	------	------
4	60.11	58.80	25.1	32.8	ENE	2	E	1	NE	ENE	------
5	59.23	58.88	25.5	34	ENE	2	ENE	2	NE	------	0.3
6	59.86	58.98	25.7	33.3	ENE	2	NW	2	NE	N	------
7	60.43	59.13	23.7	34.1	ENE	1	ENE	1	NE	------	------
8	60.27	59.35	25.4	33.8	NE	1	ENE	2	NE	------	------
9	60.68	59.51	26.1	34.1	ENE	1	ENE	1	NE	ENE	------
10	61.51	60.74	26.5	33.7	ENE	2	ENE	2	NE	ENE	------
11	61.96	60.54	26	35.1	NE	2	NW	2	N	------	3.8
12	62.58	61.49	25.8	32	NE	3	ENE	2	ENE	------	1.3
13	62.82	62.15	26.1	31.5	NE	2	ENE	3	ENE	NE	8.9
14	62.44	61	24.4	31.8	ENE	2	ENE	3	ENE	ENE	.5
15	61.27	59.84	25.3	33.6	ENE	2	ENE	2	E	E	------
16	60.43	60.19	25.6	33.5	NE	3	ENE	2	ENE	E	.5
17	60.78	59.89	25.7	33.4	E	2	ENE	2	E	------	------
18	60.86	59.55	25.2	34.2	E	2	ENE	2	E	ENE	------
19	60.40	59.20	25.7	34.5	ENE	2	NE	2	E	ENE	------
20	59.31	59.11	26.6	33.1	ENE	3	NE	2	E	ENE	------
21	59.17	58.76	26.1	33.8	ENE	4	ENE	2	ENE	------	------
22	59.72	58.33	26.1	34.2	ENE	2	ENE	2	NE	E	------
23	59.31	58.13	26.1	33.9	ENE	2	ENE	2	E	ENE	------
24	59.45	58.10	26.2	34.7	ENE	1	ENE	2	E	------	------
25	58.90	58.20	25.9	34.1	ENE	2	ENE	2	ENE	NE	------
26	59.72	------	25.5	------	ENE	1	------		NE	------	------
27	59.72	------	26.1	------	NE	1	------		NE	------	1.3
28	59.56	58.37	26.4	34.1	ENE	2	ENE	1	NE	NE	------
29	58.92	57.72	27.5	33.2	ENE	2	ENE	1	E	------	------
30	57.70	56.71	27.2	34.6	ENE	2	ENE	2	E	E	------
Mean	60.33	59.36	25.8	33.6	1.9		1.9		------	------	------
Total	------	------	------	------	------		------		------	------	16.6

ROMBLON.

[$\phi = 12°\ 35'$ N; $\lambda = 122°\ 16'$ E; barometer above sea, 7 meters; gravity correction not applied, —1.78 mm.]

MAY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	57.77	56.71	26.3	30.8	E	2	NNE	2	E	-------	-------
2	57.92	57.50	26.4	35.7	ENE	2	ENE	2	ENE	-------	-------
3	59.90	58.97	27.3	35.3	ENE	3	ENE	3	ENE	NE	-------
4	60.35	59.02	26.8	35.1	E	2	ENE	2	ENE	-------	-------
5	59.56	58.29	26.8	31.6	E	2	NW	2	ENE	-------	-------
6	58.64	57.35	22.2	31.1	Calm		ENE	1	-------	-------	-------
7	58.94	57.60	24.8	32.8	Calm		ENE	1	-------	-------	-------
8	58.69	58.15	24.6	34.6	S	1	W	2	SSW	WSW	-------
9	58.14	57.05	24.8	36.1	ENE	2	ENE	2	NE	ENE	0.5
10	59.03	58.68	27	36	ENE	2	ENE	2	-------	E	-------
11	59.82	58.64	27.2	35.5	ENE	2	NE	2	ENE	ENE	-------
12	59.02	57.64	27.4	34.4	E	1	NNW	1	-------	NNE	-------
13	58.52	57.12	24.7	35.8	Calm		NW	1	-------	NNW	-------
14	58.02	57.64	24.3	35.6	Calm		NW	2	-------	NNW	-------
15	58.29	57.61	25.3	33.1	S	1	NW	1	-------	SW	-------
16	58.30	57.22	25.2	36.6	Calm		NNW	2	SSE	S	-------
17	57.99	57.11	25.7	35.6	Calm		NW	2	-------	S	-------
18	57.98	57.88	26.5	36.2	Calm		ENE	3	-------	ENE	-------
19	58.22	57.56	28.3	36.3	ENE	3	ENE	2	NE	-------	-------
20	57.72	57.08	29	37	ENE	3	NE	2	NE	E	-------
21	57.98	56.89	25.9	32.4	Calm		N	1	-------	NE	-------
22	57.91	57.30	26.4	30.8	Calm		Calm		-------	-------	17.3
23	58.32	56.96	25.8	32.1	Calm		NW	1	-------	WSW	-------
24	57.84	56.24	25.7	31.4	Calm		SE	1	-------	SSW	1.5
25	57.39	55.43	25	33.3	Calm		ENE	2	-------	SE	-------
26	56.48	55.80	25.1	35	Calm		ENE	2	-------	S	.3
27	56.96	56.08	25.9	34.5	S	1	NW	2	-------	-------	2.5
28	57.89	57.22	24.8	34.6	S	1	NW	1	-------	-------	-------
29	58.70	57.60	27.7	35.7	SE	2	NNW	2	-------	N	.5
30	58.13	57.07	26.8	32.9	Calm		NW	1	-------	SSE	-------
31	57.88	56.63	26.2	34.4	Calm		W	2	N	SW	20.1
Mean	58.33	57.36	26	34.3		1		1.7	-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	42.7

JUNE.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58.13	57.09	26	31.6	Calm		ENE	1	-------	ENE	-------
2	58.91	58.01	28.5	35.6	ESE	2	NNE	2	E	NE	-------
3	58.65	57.66	28.6	36	ENE	2	ENE	1	NE	E	-------
4	57.66	56.45	27.9	32.6	Calm		NW	1	E	-------	15.2
5	57.60	57.15	27.3	33	E	1	ENE	1	-------	-------	-------
6	58.12	56.36	25.6	32.1	Calm		NNW	1	-------	NE	7.1
7	57.74	55.95	26.2	32.8	Calm		S	2	-------	ESE	2.5
8	57.44	55.98	25.8	34.2	Calm		S	2	-------	SSE	-------
9	57.95	56.24	27.3	33.4	S	1	NNW	1	SSW	-------	7.9
10	59.10	56.69	25.5	33.6	Calm		NE	2	-------	ENE	-------
11	58.12	57.65	26.3	29.2	Calm		Calm		-------	-------	-------
12	58.18	56.91	25.8	31	Calm		S	1	-------	-------	.5
13	58.34	58.01	25.4	29.6	Calm		S	4	-------	-------	7.1
14	58.49	56.97	25	33.9	S	1	S	2	-------	SW	-------
15	57.53	56.36	27	33.8	S	2	S	2	-------	S	-------
16	56.54	55.71	25.2	33.5	S	1	S	3	-------	SSW	-------
17	56.07	55.32	27.6	33	S	3	S	4	SSW	SSW	-------
18	56.60	56.04	28.2	32.6	S	3	S	4	S	SSW	-------
19	56.78	55.63	28.4	33	S	3	S	3	S	SSW	-------
20	56.72	55.44	28	34	S	3	SSW	2	SSW	SSW	-------
21	56.58	55.46	26.7	32.6	S	3	S	4	-------	S	-------
22	57.25	56.25	27.6	32.6	S	3	S	2	-------	-------	-------
23	57.50	56.74	27.5	33.6	S	1	S	2	S	SSW	-------
24	57.37	55.97	25.6	34.2	S	1	S	3	-------	SSE	-------
25	57.30	56.13	24.9	34.6	S	1	SW	2	-------	S	-------
26	57.47	56.62	25.1	31.7	Calm		NNW	1	-------	NW	-------
27	57.67	56.47	27.9	33.3	SSE	1	S	2	S	S	1.1
28	57.11	55.42	26.3	34	S	1	S	3	SSW	SSW	1
29	57.08	56.31	27	33	S	2	SSE	3	SSW	SSE	1
30	57.52	56.82	25.3	32.1	Calm		S	1	-------	SE	8.9
31	-------	-------	-------	-------	-------		-------		-------	-------	-------
Mean	57.58	56.46	26.6	33		1.2		2.1	-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	52.3

JULY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	57.37	56.51	25.1	30.6	Calm		E	1	-------	ESE	57.1
2	57.51	56.70	23.7	29.9	Calm		SSE	1	-------	SE	.5
3	57.73	56.62	25.9	31.9	S	2	S	1	SSW	-------	14.5
4	59.18	58.17	25	29.5	SSE	1	SSE	1	S	S	3.1
5	58.79	57.14	25.4	31.4	Calm		NNW	1	-------	SW	.3
6	57.89	56.32	25.4	31.6	Calm		NW	2	-------	NW	17.3
7	57.50	55.57	25.5	32.6	SSE	2	NNW	1	SE	NNW	51.8
8	57.45	55.65	23.8	29.6	Calm		ENE	2	-------	-------	1
9	56.15	55.65	24.9	29.5	Calm		NNW	1	-------	SSW	12.2
10	57.04	56.24	23.9	31.5	Calm		SSE	2	-------	SSE	3.6
11	57.77	57.02	24.5	28	Calm		Calm		SSE	SE	6.1
12	57.52	56.34	25.5	32.8	Calm		N	2	-------	NNE	.3
13	56.82	56.16	25.6	30.9	NNE	1	NNE	1	NE	NE	50
14	56.55	56.63	25.6	26.6	N	2	Calm		ENE	-------	44
15	57.52	56.15	25	30.1	ENE	1	E	1	E	-------	4.6
16	57.41	57.14	25	27.5	Calm		SE	1	-------	-------	1
17	57.23	56.41	24.5	28.1	Calm		Calm		-------	-------	3.8
18	55.67	54.76	26	25.2	NW	2	W	2	NNW	WSW	23.4
19	54.21	54	25.8	29.1	SSE	2	SSE	3	-------	S	-------
20	-------	54.26	-------	27.3	-------		S	4	-------	S	8.9
21	55.28	54.40	26.3	28.5	S	5	SSE	4	S	S	44.9
22	55.90	55.60	25.7	29.8	SSE	3	SSE	4	S	S	2
23	55.74	55.54	26.9	27.5	SSW	3	SSE	2	S	S	6.4
24	55.89	56.25	26.2	30.2	S	3	S	2	SSW	E	-------
25	57.08	56.37	26.6	32	S	2	SSE	2	S	-------	-------
26	57.30	56.25	24.3	32.8	Calm		NW	2	-------	WNW	20.3
27	55.80	54.52	24.4	30.1	Calm		N	2	NNE	NNE	35.5
28	54.89	54.42	24.3	28	Calm		S	2	S	SSW	11.7
29	55.77	56.30	25.5	27.1	SSW	2	S	2	S	SW	15.8
30	56.50	56.46	26.5	29	S	3	S	2	SSW	S	9.4
31	55.90	56.07	25.8	27.6	SSW	3	NW	4	SW	WNW	9.6
Mean	56.78	55.99	25.3	29.6		1.2		1.8	-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	459.1

AUGUST.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	55.17	55.38	26.4	28.7	S	4	SSE	3	SSW	S	2.5
2	56.24	56.95	25.4	27.8	S	3	SSW	3	SSW	SW	2
3	57.19	56.77	26.7	29.2	SSW	3	S	3	SW	SSW	.8
4	57.48	56.48	25.3	28.3	S	2	SSW	3	SSW	SSW	-------
5	57.13	56.01	26	31.5	SSW	2	SSW	2	SW	-------	-------
6	57.74	57.13	25.5	31.7	S	2	S	2	S	-------	-------
7	58.35	57.60	24.8	31.5	S	1	S	1	-------	-------	.3
8	57.77	56.11	25	31.1	Calm		NNW	1	-------	-------	1.5
9	56.67	56.12	25.1	29.2	SSW	2	SSW	2	-------	SW	-------
10	56.95	56.05	24.5	30.2	S	1	S	2	-------	-------	-------
11	56.44	56.18	26.1	30.7	SW	2	SSW	1	SW	SW	1.8
12	55.83	54.60	25.9	31.7	SW	2	W	3	WSW	SW	16.5
13	54.52	54.37	26.4	30.2	S	3	WSW	2	SSW	SW	7.9
14	54.69	55.20	25.8	30.6	SSW	3	SSW	2	SW	SW	-------
15	57.34	56.31	26	30.5	S	4	S	3	SSW	SW	1
16	57.38	56.20	26.8	32.8	S	2	E	2	S	-------	-------
17	56.78	55.70	25.7	31.2	SSE	2	SSE	1	-------	S	1
18	56.14	55.65	26	30.2	SSW	2	SSW	2	SSW	SW	-------
19	56.12	55.49	26	31.3	SSE	2	S	2	-------	SSW	-------
20	56.60	55.52	26	32.1	S	2	S	2	-------	SSW	-------
21	56.39	56.41	26.1	30.1	S	1	SSW	2	SSW	SW	-------
22	57.20	56.02	26.1	31.8	S	2	S	2	SSW	S	-------
23	56.67	55.02	25.8	29.2	S	2	SSW	3	SSW	-------	-------
24	56.67	56.35	26.4	30.1	S	2	SSE	2	SW	-------	-------
25	56.42	55.28	26.2	28.5	SSW	2	W	3	SW	-------	9.7
26	54.95	53.61	25.3	27.9	S	3	SSW	3	SSW	SW	13.4
27	53.30	52.19	27	27.2	S	4	S	3	SSW	SSW	9.1
28	53.51	52.85	25.5	27.9	SSW	4	SW	4	SSW	SW	11.4
29	54.93	54.02	26.5	30	SSW	4	SSW	4	SW	SW	1.8
30	56.15	54.92	25.3	28.8	SSE	5	SSE	4	S	-------	12.7
31	54.32	52.87	26.7	29	SW	3	SSE	4	SSW	SW	16
Mean	56.23	55.46	25.9	30		2.5		2.5	-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	109.4

ROMBLON.

[ϕ=12° 35′ N; λ=122° 16′ E; barometer above sea, 7 meters; gravity correction not applied, —1.78 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	53.06	54.21	26.3	25.8	SSW	3	WNW	3	SW	SW	62.8
2	54.22	54.06	25.6	25	SW	3	S	2	SSW	SSW	34.3
3	54.74	54.20	25.6	28.2	S	3	S	4	S	SSW	40.4
4	55.57	55.26	26	30.9	S	3	S	3	S	SSW	6.9
5	56.14	56.71	25.3	28.5	S	1	S	1			.5
6	57.50	56.45	24	31.1	Calm		NW	2			35.1
7	56.80	55.52	23.2	27.5	Calm		Calm		NNW	NNW	32
8	54.65	55.09	24.5	27.8	NNW	3	W	2	N	SW	16
9	57.33	56.70	25.7	30.6	S	3	S	3	S	SSW	
10	57.38	56.18	25.9	31.7	SSW	2	S	2	SSW	SSW	
11	56.39	55.20	26.1	30	S	2	SSW	2	SSW		
12	56.48	55.38	26.4	31	S	2	SW	2		SSW	
13	55.74	54.50	26.8	30	S	2	SSW	3	SSW	SW	.3
14	54.17	52.36	26.6	30	SSW	2	S	2	SW	SSW	
15	51.80	50.75	26.9	28.8	S	4	SSW	4	SW	SSW	1.3
16	51.67	52.43	27	28.5	SSW	5	S	6	SW	SSW	4.6
17	54.28	54.65	25.1	28.2	S	5	S	4	SSW	SSW	.3
18	55.74	54.32	26.2	30.2	SSW	3	SSW	3	SW	SSW	
19	54.47	53.67	25.9	28.6	S	2	S	3		SSW	11.2
20	54.74	54.38	25.6	31.1	S	2	SSW	3	SSW	SSW	
21	56.10	55.75	25.7	28.5	S	2	S	3	SSW		
22	57.97	57.28	26.1	31.2	S	2	S	3	S		
23	58.73	57.79	25.3	30.6	Calm		NW	1			8.6
24	58.29	56.85	24.7	31.1	NNW	1	N	2	NW	NNE	14.2
25	57.45	56.25	24.7	29.5	Calm		NNW	2	N		10.2
26	56.48	54.80	23.8	30.9	Calm		WNW	2			
27	54.92	53.95	26.6	30.5	S	3	SSW	5	SSW	SSW	
28	56.23	55.84	26.7	29.5	S	3	SSW	5	SSW	S	11.9
29	56.56	56.11	25	27.7	S	4	S	5	SSW	SSW	.8
30	56.29	55.84	26.3	27	S	3	SSW	2		SW	1.8
31											
Mean	55.73	55.08	25.7	29.3	2.3		2.8				
Total											293.2

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	57.85		26.1		S	3					
2	58.58	57.79	26.2	32.2	S	2	S	2	S		
3	59.52	58.73	24.4	28.7	Calm		S	2	SSW	SSW	
4	58.42	56.49	26.2	30.7	S	1	S	2		S	
5	57.76	56.61	23.7	31.7	Calm		NNW	2		N	17.5
6	57.82	56.35	24.6	29.1	N	1	N	1	N		9.4
7	58.65	57.70	24	26.5	Calm		S	1			51.8
8	58.49	56.85	23.9	32.5	S	1	S	2		SSW	
9	57.24	56.22	25.6	29.2	S	2	S	2	S	SSW	9.7
10	56.61	55.56	24.8	29.2	S	2	S	2	S	SSW	7.2
11	55.60	55.07	25.2	28	S	2	S	3	SSW		1.3
12	57.24	56.73	24.2	27.9	Calm		Calm				6.9
13	57.86	55.97	23.7	29.6	Calm		NW	2		NNW	
14	55.59	54.62	26	30.7	NNW	2	NNW	3	N	N	2
15	54.80	52.64	25.7	28.2	NNW	4	NNW	5	N	N	33.8
16	54.92	49.89	25	26.8	NNW	6	NNW	6	N	N	230.4
17	52.31	54.83	24.2	25.5	SSE	3	S	3		S	59.2
18	58.30	57.67	23.6	32	S	1	S	1	SSW	S	.3
19	59.46	57.87	24.3	30.9	N	1	N	2	NNE	NNE	2.3
20	58.54	56.99	23	30.9	NNE	2	N	2	NE	NNE	11.7
21	58.50	57.06	25	30	Calm		N	1	N		3
22	58.45	57.18	25.2	30.5	ENE	1	N	2	NE	NNE	3.6
23	58.17	56.60	24.5	31.1	Calm		NNW	2	NE	N	.5
24	57.89	56.30	25.9	29.8	NNW	2	N	2	NNW	NNE	1.5
25	57.24	55.42	25.8	29.6	NNW	3	NW	2	NNW	NNW	.5
26	56.26	55.50	22.9	31	Calm		SSE	3			
27	57.78	57.42	26.2	32.1	S	1	S	2	S	SSW	
28	59.11	58.05	24	32.5	Calm		NNE	2			
29	58.23	57.41	25.7	31.6	N	1	NNE	2	NNE	NE	33.8
30	58.56	57.93	23.5	28.8	Calm		NNE	1	ENE	NNE	3.5
31	59.64	58.50	23.5	31.9	Calm		ENE	2	NE	NE	
Mean	57.59	56.40	24.7	30	1.3		2.1				
Total											489.9

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	59.29	56.87	24.5	29.2	N	1	NW	2	N	NNW	14.7
2	57.68	57.06	26.4	28	NNE	4	E	1	NE		17.5
3	58.99	57.37	23.2	31.9	Calm		NW	1	SE		
4	58.65	57.71	25.4	30.1	NE	2	NE	2	ENE	ENE	6.4
5	59.06	58.32	22.9	29.3	Calm		NNW	2	N	NE	10.7
6	56.67	54.47	25.5	26.8	NNW	6	NNE	6	N	NE	6.6
7	58.36	58.12	26.6	28.4	ENE	3	NE	3	ENE	ENE	10.9
8	59.64	58.42	25.1	31.4	NE	3	NE	3	ENE	ENE	18.8
9	58.76	57.71	23.9	28.9	NE	2	NE	2	ENE	ENE	1
10	58.20	57.07	25.5	31.3	NE	3	NNE	3	NE	NE	
11	59.02	58.16	25.8	30.7	NNE	2	NNW	2	NE	N	59.7
12	59.37	57.72	24.8	29.3	NNE	1	N	2	NE	NNE	7.1
13	58.25	57.20	25.3	30.3	NE	2	NNE	2	ENE	NE	
14	58.04	57.12	23.7	30.3	Calm		NNW	2	ENE	N	4.8
15	59.23	57.83	23.6	30.7	N	1	ENE	1	ENE	ENE	8.1
16	58.51	57.57	23.9	29.2	N	1	N	1	N	NNE	2
17	58.04	56.87	24	30.3	E	1	NE	2	ENE	ENE	2.3
18	58.47	56.95	24.2	31.4	ENE	2	ENE	2	ENE	ENE	
19	58.47	56.90	23.9	30.5	NNE	1	NNE	1	NE	NE	
20	57.75	56.64	23.4	31.9	N	1	N	2	N	N	
21	57.35	56.65	24	27.6	Calm		NNW	2	N	N	3.3
22	57.90	56.81	24.9	27.8	N	3	NNW	3	NNE	N	1
23	58.04	56.47	24.5	30.7	N	3	NNW	3	NNE	N	
24	56.47	55.60	25.5	27.8	NNW	3	NNW	3	N	N	21.1
25	50.88	49.91	24.8	26.8	NNW	6	ESE	7	N	SE	9.4
26	57.31	56.12	21	30.8	Calm		ENE	3			
27	58.36	57.15	22.9	29.3	Calm		NNW	2	NNE	N	7.1
28	56.52	54.19	25.5	26.6	NNW	2	N	3	N	ENE	21.8
29	55.65	55.77	23.8	26	SE	1	ENE	1			50.3
30	57.91		24.7		S	3			SSW		3
31											
Mean	57.89	56.72	24.4	29.4	1.9		2.4				
Total											297.6

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	60.04	58.97	23.7	30.8	Calm		S	1			
2	60.47	59.10	23.5	30.5	NE	1	ENE	2	ENE	NE	
3	59.30	57.17	23	29.8	N	1	NNW	2	N	N	2.3
4	57.78	56.08	24.5	28.8	NNW	3	NW	2	NNW		
5	56.83	56.26	25.4	31.2	S	2	S	2			
6	58.35	57.97	22.6	30.9	Calm		NNW	2		N	
7	60.14	59.20	24.2	29.7	N	2	NNE	3	NNE	NE	1.5
8	60.20	59.12	22.3	29.4	N	3	N	3	N	NNE	.5
9	60.21	59.51	23.6	29.2	N	2	N	3	NNE	NNE	20.3
10	60.12	60.80	23.9	23.1	N	4	NE	4	NNE	ENE	35.1
11	60.17	59.51	24.4	30.5	N	3	N	3	NNE	NNE	3.8
12	60.39	59.65	24.9	27.4	NNE	3	N	2	NE	NNE	11.4
13	60.43	59.65	24.9	28.9	NNE	3	ENE	3	NE	ENE	11
14	61.09	59.61	24.4	29.7	NE	1	NNE	1	ENE	NE	
15	60.07	59.50	24.8	29.2	N	2	NE	2	NE	ENE	
16	60.23	58.97	24.6	31.4	NE	2	NE	3	ENE		5.8
17	59.69	58.66	23.4	30.9	NNE	2	NNE	2	NE	NE	.3
18	59.38	57.51	24	30	NE	2	NNW	3	ENE	N	
19	58.30	57.36	21	30.1	NNW	1	NNW	2			
20	58.40	57.88	24.6	26	NE	1	N	2	NE	NNE	14.7
21	58.90	57.67	23.7	29.4	N	1	NNW	2	NNE	N	
22	58.99	58.32	24.6	31.2	N	2	N	2	NNE	NNE	3.3
23	60.21	59.73	24.3	29	N	2	N	3	NNE	NNE	1.3
24	59.64	58.97	23.6	26.5	N	3	N	3	N	NNE	32.1
25	60.02	59.67	24.1	26.2	N	2	N	3	NNE	NNE	56.9
26	60.47	59.15	24.4	27	N	3	NE	3	NE	ENE	2
27	59.76	59.41	24.4	28	ENE	3	N	2	E	NNE	.3
28	60.39	59.45	25.1	29.1	NE	2	NE	2	ENE	ENE	.8
29	60.44	59.66	25	31.6	NE	3	NNE	3	ENE	NE	
30	60.99	59.92	24.9	29.7	NE	3	NE	3	ENE	ENE	.8
31	60.48	59.17	24.9	30.7	NE	3	NNE	3	ENE		21.6
Mean	59.74	58.83	24.1	29.2	2.1		2.5				
Total											225.8

LAOANG.

[ϕ=12° 35′ N; λ=125° 01′ E; barometer above sea, 11 meters; gravity correction not applied, —1.78 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	60.09	58.73	21.6	28.5	SE	1	ENE	3	E	E	------
2	60.74	60.19	20.7	26.7	SSE	1	NE	2	E	------	1.8
3	61.04	60.64	23.1	25	NE	1	ENE	2	ENE	ENE	3.6
4	61.64	60.28	22.7	28.5	S	1	E	3	E	E	1.6
5	61	59.81	22.9	27.3	E	1	E	2	E	E	6.1
6	60.22	59.52	24.2	24.7	E	1	NNE	1	E	NE	21.3
7	60.94	60.27	23.7	27.1	NE	2	NE	3	NE	NE	------
8	61	60.02	23.7	25.7	NNE	1	NE	2	NE	NE	15.5
9	60.55	59.45	23.5	26.4	N	1	NE	2	NE	E	3.1
10	61.48	60.23	21	28.4	SE	1	NE	2	------	NE	3.8
11	62.54	60.92	21.2	29	SE	1	ENE	2	------	E	9.4
12	62.33	60.78	23.1	27.2	ESE	1	ENE	3	E	E	12.9
13	62.73	61.26	23.6	27.5	ESE	2	E	2	E	E	------
14	62.95	61.23	19.3	29.1	ESE	1	NNE	2	NE	NE	------
15	62.20	61.41	21.1	28.9	S	1	NE	2	NE	NE	.8
16	63.05	62.05	19.9	27.8	ESE	1	NE	2	NE	NE	------
17	63.14	62.26	20.6	29.1	ESE	1	NE	2	NE	NE	------
18	62.84	61.77	21.7	28.3	S	1	ENE	2	NE	ENE	.3
19	63.53	62.81	21.6	28.6	SSE	1	NNE	2	NE	NE	6.1
20	62.98	61.93	23.4	26.9	NE	1	NE	2	NE	NE	.2
21	62.91	62.22	21	28.9	NE	1	NNE	2	NE	NE	------
22	62.60	61.40	19.9	29.6	SE	1	NNE	2	NE	NE	2.8
23	61.63	60.87	22.2	29.1	N	1	E	2	NE	SE	2.3
24	63.01	61.85	20	29.3	SE	1	NE	2	------	SE	------
25	63.09	61.88	19.3	28.7	E	1	NE	3	E	SE	------
26	62.64	62.21	22.6	28.2	S	1	ENE	2	ENE	ENE	.5
27	63.76	62.66	20.5	29.5	ESE	1	NNE	2	NE	NE	.2
28	63.40	62.28	23.6	27.5	NNE	1	ENE	2	NE	NE	.2
29	63.15	61.28	23.2	28.7	NNE	1	NE	2	NE	NE	2.1
30	62.30	61.31	21.2	29.2	SE	1	NE	2	E	------	1.3
31	62.33	61	20.7	29.4	SE	1	E	2	E	E	------
Mean	62.19	61.11	21.8	28		1.1		2.1	------	------	------
Total	------	------	------	------	------		------		------	------	95.9

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	62.55	60.85	19.5	29.3	SE	1	N	2	------	NE	2
2	62.05	60.97	21.9	26.7	SE	1	N	2	NE	N	9.9
3	62.14	60.98	23.1	26.6	E	1	N	2	------	NE	14.7
4	62.29	62.01	24.1	28.5	NE	1	NE	2	------	NE	1.3
5	62.85	62.50	25.2	26.2	NE	3	ENE	4	NE	ENE	9.1
6	63.58	63.11	24.1	27.6	E	2	ENE	3	E	ENE	------
7	64.17	62.77	23.8	28.2	NE	2	NE	3	NE	NE	------
8	63.81	62.02	19.6	28.5	E	1	ENE	2	NE	ENE	------
9	62.86	61.23	19.6	26.6	SE	1	NNE	2	E	NE	35
10	61.77	60.36	19.3	27.5	N	2	NE	3	NE	NE	50.8
11	61.15	60.53	23.4	29	SE	1	ENE	2	E	E	.3
12	61.17	59.68	24.1	27.3	NE	2	NE	2	NE	ENE	11.9
13	60.42	58.91	24.1	28.6	NE	2	NNE	2	NE	NE	1.8
14	59.19	57.81	24.2	29.9	N	1	E	3	NE	E	40.7
15	59.48	58.55	24.1	28.5	W	1	NE	3	------	NE	12.5
16	59.88	58.72	22.3	29.3	W	1	ENE	3	------	E	3
17	60.25	59.22	22.7	29.3	SE	1	NE	2	E	------	1.3
18	60.18	59.41	22.2	30.2	SE	1	NE	2	SE	NE	5.1
19	60.87	60.78	24.1	24.3	NE	1	NE	2	NE	NE	65.3
20	61.60	60.34	23.6	25.7	E	2	E	3	E	E	45.7
21	61.88	60.67	23.2	25.9	SSE	1	ESE	3	E	E	3.5
22	61.53	59.95	21.6	28.7	SSE	1	ENE	3	SE	SE	.5
23	61.49	60.03	20.3	25.3	SSE	1	ENE	2	------	ENE	31.8
24	60.90	58.86	23.3	29.1	ESE	1	E	3	------	E	3
25	60.78	60.08	21.8	27.5	SE	1	ENE	2	------	E	------
26	60.53	59.33	21.3	28.8	S	1	ENE	3	NE	E	3.3
27	60.24	59.02	24.2	29	E	2	E	3	E	E	1.8
28	60.09	58.87	21.1	29.1	SE	1	ENE	2	NE	E	.3
29	60.01	58.93	24	29.1	NE	1	ENE	4	NE	ENE	1.3
30	------	------	------	------	------		------		------	------	------
31	------	------	------	------	------		------		------	------	------
Mean	61.37	60.22	22.6	27.9		1.3		2.6	------	------	------
Total	------	------	------	------	------		------		------	------	355.9

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	59.63	59.63	21.2	29.3	ESE	1	ENE	2	E	E	14
2	61.25	60.10	22.5	28.6	ESE	1	E	2	------	E	3.5
3	61.39	61.13	24.8	29.1	E	2	NE	3	E	E	------
4	61.95	60.27	20.7	28.8	SSE	1	ENE	2	E	ENE	.8
5	60.32	59.41	21.5	29.7	SSE	1	E	3	ENE	E	8.1
6	60.88	60.35	22.3	29.5	SE	1	E	2	------	E	------
7	61.13	60.19	23.5	30.2	S	1	ENE	3	E	ESE	------
8	61.84	60.76	23	29.4	NE	1	SE	3	SE	SE	------
9	62.98	61.35	20.6	29.5	ESE	1	NE	2	E	E	------
10	62.17	60.72	20.5	29	SSE	1	E	2	E	------	.3
11	60.39	58.62	22	29.8	N	1	ENE	2	E	S	------
12	59.05	58.88	21.7	27.7	SSE	1	ESE	2	------	SE	------
13	59.11	57.88	23.1	32.7	SE	1	NE	2	------	SE	------
14	60.12	59.71	21.3	30.5	E	1	ESE	2	E	ESE	------
15	60.63	60.07	21.1	30	S	1	E	2	------	E	------
16	60.85	59.83	20.2	29.2	SSE	1	NE	2	E	------	------
17	61.24	60.16	22.1	29.8	SE	1	NE	3	------	------	------
18	61.74	61.03	19.2	29.3	SE	2	ENE	2	ENE	E	------
19	61.85	60.99	20.3	26.1	SE	1	N	2	ENE	------	.7
20	61.90	60.92	22.9	29.7	S	1	NE	3	E	SE	.3
21	62.13	61.58	22.6	28.8	SE	1	NE	3	E	E	7.1
22	62.83	61.52	24.4	29.6	SE	1	NE	3	E	E	------
23	62.03	61.23	25.5	29.3	E	2	ENE	3	E	E	------
24	61.79	60.95	22.2	29.1	ENE	1	NE	3	------	------	------
25	63.20	61.50	21.5	29.4	SE	1	E	3	E	SE	2.3
26	63.11	60.97	22.3	28.8	NE	1	ENE	3	E	ESE	.3
27	61.74	60.86	22.6	29.8	NE	1	E	2	------	E	1.3
28	62.08	60.65	22.4	30.5	E	1	ENE	3	E	E	3.3
29	61.76	61.23	22.3	29.5	SE	1	ESE	3	E	E	3
30	61.95	61.21	23	30.3	Calm		ENE	3	------	E	6.9
31	61.69	60.91	24.2	29.7	NE	3	NE	3	E	E	1
Mean	61.44	60.47	22.2	29.4		1.1		2.5	------	------	------
Total	------	------	------	------	------		------		------	------	52.9

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	60.44	60.46	23.8	29.3	Calm		E	3	ENE	ENE	0.8
2	61.51	60.31	21.7	30	Calm		ENE	3	E	ENE	------
3	61.18	60.33	23	29	E	1	NE	3	E	NE	------
4	60.49	59.25	22	29.9	Calm		E	3	ENE	E	------
5	59.78	59.10	22	30	E	1	ENE	3	ENE	------	------
6	60.06	59.46	21.9	29.5	Calm		NW	3	------	NE	------
7	60.48	59.62	23.8	27.5	Calm		N	3	NNW	NE	4.1
8	60.57	59.61	23.5	28.7	E	1	N	3	------	NNE	2.6
9	60.83	59.80	23.8	30	Calm		NNE	2	NNE	NE	2.3
10	61.92	61.16	22.8	31.5	Calm		NNE	3	NE	NE	------
11	62	60.01	23.8	28.3	Calm		E	2	------	E	------
12	63.18	61.90	21.6	30.6	ESE	1	E	3	E	------	5.8
13	63.58	62.30	23.6	29.6	Calm		ENE	3	E	ESE	4.6
14	63.20	61.56	24	30	E	1	E	3	E	E	1.6
15	61.93	60.24	23.1	30.5	Calm		ENE	3	E	E	------
16	61.26	60.41	21.5	30.3	E	1	ENE	3	------	------	.8
17	61.75	60.44	21.8	31	SSE	1	E	3	------	------	------
18	61.40	60.11	22.2	31.2	Calm		E	3	------	SE	------
19	61	59.69	22.5	31.3	Calm		ENE	3	ESE	SE	.3
20	60.07	59.97	23.7	30.6	E	1	E	3	------	E	------
21	59.94	59.31	25	31	E	1	ENE	3	E	E	4.8
22	59.99	59.22	25.5	30.9	E	1	ENE	3	E	E	------
23	59.83	58.54	24.5	32	E	1	E	2	E	------	------
24	59.96	59.03	22.1	31	Calm		ENE	2	E	------	------
25	59.86	58.40	22	31.7	Calm		E	3	------	E	1.3
26	60.06	59.06	22.1	32.3	SE	1	NE	3	SE	NE	4.8
27	59.65	59.33	25.3	25.3	Calm		E	1	E	E	31.8
28	59.77	59.35	24.3	26	Calm		SE	1	ESE	------	11.7
29	59.57	58.07	24.8	30.4	Calm		E	3	------	E	------
30	58.66	57.12	23.1	31	ESE	1	E	3	ESE	ESE	------
31	------	------	------	------	------		------		------	------	------
Mean	60.80	59.77	23.2	30		0.4		2.7	------	------	------
Total	------	------	------	------	------		------		------	------	77.3

LAOANG.

[$\phi = 12° 35'$ N; $\lambda = 125° 01'$ E; barometer above sea, 11 meters; gravity correction not applied, —1.78 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.72	56.88	23	30.4	ESE 1	E 3	------	ESE	------
2	58.96	58.15	22.5	30.5	Calm	E 3	------	ESE	------
3	60.62	59.34	24	31.6	Calm	ENE 3	E	------	------
4	60.85	59.36	22.5	31.5	ESE 1	NE 3	E	------	------
5	60.03	58.35	22	29.1	Calm	NE 2	ESE	E	------
6	59.10	57.57	23.8	32	Calm	NE 3	------	NNE	------
7	59.64	57.94	23.5	31.5	Calm	NE 3	------	------	------
8	59.67	58.44	23.5	31.4	E 1	NE 3	------	------	------
9	59.12	57.49	24	32	E 1	NE 4	------	------	------
10	59.90	58.96	22.7	31	SE 1	NE 3	------	SE	2.8
11	60.70	59.17	23.4	30.3	E 1	ENE 4	ESE	------	------
12	60.12	57.96	23.5	30.7	E 1	ENE 4	SE	ESE	------
13	59.34	57.60	25.2	32.5	Calm	NNE 3	------	NNW	------
14	58.87	58.29	25.2	33.3	Calm	NE 2	------	------	------
15	59.04	57.69	25	34	Calm	NE 3	------	NNW	------
16	59.03	57.85	26.4	31	Calm	ENE 3	------	NE	.3
17	58.75	57.54	26	33	S 1	NE 3	------	------	------
18	59.10	58.05	25.9	31.7	Calm	NE 4	------	SSE	------
19	59.08	57.69	24.5	31.4	SE 1	NE 4	------	------	------
20	58.45	56.59	24.6	31.1	ESE 1	ENE 3	------	------	------
21	58.81	57.68	25.5	28.2	SSE 1	SE 1	S	SSE	------
22	58.85	57.54	25	31	SSE 1	NE 4	------	SSE	------
23	58.90	57.11	24.4	31.9	SSE 1	ENE 3	------	------	------
24	58.88	56.54	25.1	32	E 1	NE 3	SSE	------	------
25	58.20	55.89	25	32.8	Calm	NE 3	------	------	------
26	57.72	56.18	24.5	32	ESE 1	ENE 2	------	------	------
27	57.95	56.27	26	33.5	SE 1	ENE 2	WSW	------	------
28	58.90	57.59	26.1	32	ESE 1	NE 3	------	SSE	------
29	59.65	57.44	26.2	32.2	ESE 1	ENE 3	------	------	------
30	59.26	57.25	25.6	32	Calm	ENE 3	------	ESE	8.1
31	58.98	56.89	24.8	33.5	Calm	E 3	------	------	------
Mean	59.20	57.65	24.5	31.6	0.6	3	------	------	------
Total	------	------	------	------	------	------	------	------	11.4

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.80	57.07	25.7	33.2	SE 1	NE 4	------	------	------
2	60.03	58.39	25.7	32.1	Calm	E 3	------	------	------
3	59.53	58.82	26	30.5	Calm	SW 4	------	E	18.8
4	58.76	56.76	25.6	32	Calm	ENE 3	------	------	------
5	58.29	56.53	25.3	32.6	ENE 1	ENE 2	------	SSE	------
6	59.05	56.40	26.2	32.5	Calm	NE 3	------	SSE	------
7	58.80	56.53	25.5	33.8	Calm	ENE 3	------	SSE	------
8	58.30	55.69	25.4	33.9	Calm	NE 3	------	------	------
9	58.72	56.62	24.5	33.8	SE 1	NNE 2	------	------	1.3
10	59.41	56.86	25.5	32.4	SSE 1	NE 3	------	------	23.9
11	60.09	58.47	23.8	30.4	Calm	NW 1	------	S	5.6
12	58.96	57.97	24.8	25.2	S 1	ESE 1	------	NE	30
13	58.81	57.95	24.4	28.8	SSE 1	ESE 1	------	------	4.8
14	59.54	57.34	24.6	32.2	SSE 1	NNE 2	------	------	------
15	58.92	56.29	25	33	Calm	ESE 2	------	------	------
16	57.28	55.32	26.6	33.5	SSE 1	WNW 1	------	------	1.3
17	56.61	56.06	25.5	24	ESE 1	ENE 2	SSE	------	23.1
18	57.70	56.02	26.6	29.5	SSE 1	NE 1	------	------	6.4
19	57.68	55.51	26.6	31	SE 1	ENE 1	------	S	5.6
20	57.53	55.78	26	33.8	SSE 1	NE 1	------	S	------
21	57.13	56.19	25.7	32.1	S 1	NE 1	S	S	------
22	58.93	56.43	25.6	31.5	Calm	SE 1	------	S	------
23	58.59	56.39	24.9	33.5	Calm	NE 2	------	S	------
24	58.34	55.87	26	33.2	SE 1	ENE 2	------	S	------
25	58.24	56.35	25.4	30.9	SE 1	NE 1	------	S	------
26	57.59	56.45	25.3	33.6	SE 1	NE 1	------	S	------
27	58.76	56.53	24.4	32.6	SE 1	ENE 2	------	S	------
28	57.81	55.99	25.4	33	SE 1	NE 1	------	SSE	.8
29	57.83	56.51	26.4	29.7	S 1	Calm	------	------	1.3
30	58.67	57	24.3	32.2	S 1	ENE 2	------	S	------
31	------	------	------	------	------	------	------	------	------
Mean	58.49	56.67	25.4	31.7	0.7	1.9	------	------	------
Total	------	------	------	------	------	------	------	------	122.9

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.33	56.25	25.5	31.5	Calm	NNE 2	------	S	------
2	58.20	56.73	25.4	30.8	SE 1	WNW 2	ESE	SW	2.1
3	58.79	57.22	25.4	29.5	SSE 1	ENE 1	------	S	12.2
4	59.99	58.46	23.9	29.5	Calm	NE 1	NE	SW	2.3
5	59.84	57.60	24	31.5	ESE 1	ENE 2	------	SE	2.8
6	58.51	56.54	25.2	32.8	SE 1	ENE 2	------	S	------
7	58.15	56.16	26?	29.5	Calm	ENE 1	------	SE	6.4
8	57.53	56.42	24.8	29.4	Calm	Calm	------	------	4.1
9	57.70	55.86	23.6	30	S 1	NNE 2	------	SW	1.8
10	58.45	57.68	23.7	29.7	SE 1	ENE 1	------	S	.5
11	58.62	56.86	23.8	31	ESE 1	NNE 2	------	SW	.3
12	58.27	56.46	24.1	29.8	SE 1	NE 1	ENE	SSW	.8
13	57.45	56.54	25	30.3	SE 1	ENE 1	------	ESE	------
14	57.87	56.93	25	29.6	ESE 1	SSW 1	E	S	1.3
15	58.38	56.39	26.5?	30.5	SW 1	NNE 2	SSW	SW	.8
16	58.18	56.78	24.7	29.5	SE 1	WNW 1	------	NNW	39.4
17	57.56	55.56	24.5	30.1	Calm	W 2	------	WNW	1.3
18	53.69	55.38	25	26	SSE 1	W 3	------	SW	20.8
19	55.67	54.74	25.2	27.4	SSE 1	S 1	W	WSW	5.6
20	55.88	55.05	25.2	30.5	SW 1	SSW 3	SW	SW	------
21	56.54	55.60	26.4?	32	SSE 1	WSW 3	ESE	SW	------
22	57.17	55.99	24.1	32.6	SSE 1	SSW 2	WSW	SW	------
23	56.98	55.24	25.1	32	ESE 1	NNW 2	WSW	W	------
24	57.11	55.94	25.5	32.5	W 1	NW 2	------	WSW	------
25	58.10	56.64	25.5	31.5	Calm	NNW 1	NE	W	------
26	57.57	56.69	24.5	29.2	SSE 1	NNW 1	E	E	30.7
27	56.10	54.44	23.7	28.5	SSE 1	ESE 1	E	ENE	2.3
28	55.19	55.02	24	26.9	SSE 1	SW 1	------	SW	4.5
29	56.84	56.20	24.6	31.2	SW 1	SW 3	W	SWbyW	.8
30	57.98	56.44	25	31.9	SSE 1	SW 2	------	WSW	------
31	57.21	56.36	25	30.9	Calm	SW 2	W	W	------
Mean	57.64	56.26	24.8	30.3	0.8	1.6	------	------	------
Total	------	------	------	------	------	------	------	------	140.8

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	55.90	56.11	25.1	32.1	SSE 1	W 1	------	W	------
2	56.99	56.38	24.8	30.5	Calm	W 3	NNW	NNW	1
3	58.37	57.28	24.6	27.7	SSE 1	WSW 1	NW	NNW	------
4	58.14	56.51	25.5	30.4	SW 1	WSW 3	------	WSW	------
5	57.33	56.10	25.2	32.1	Calm	WNW 3	------	WSW	11.7
6	58.40	57.52	24.5	29	Calm	SSE 1	------	W	------
7	58.87	57.50	24.1	32.3	SSE 1	W 2	------	WNW	5.1
8	57.91	56.28	25	31.4	SSE 1	WNW 2	------	NW	3.8
9	57.30	56.63	25	25.8	SSE 1	S 1	------	------	4.1
10	57.37	56.65	24	26.9	S 1	S 1	------	------	1
11	56.76	55.36	24.6	30.5	SSW 1	W 4	------	WSW	11.4
12	55.86	54.87	25.9	30	WSW 2	SW 4	------	W	1
13	55.43	54.93	25	30.4	SSW 1	SW 3	WSW	WSW	7.1
14	56.26	55.32	26	31.1	SSW 1	WSW 4	------	W	------
15	57.79	56.39	25.5	30	SSW 1	WSW 1	------	W	------
16	57.90	56.07	24.5	31.8	Calm	WNW 2	------	W	1.5
17	57.54	55.52	26	31.7	SSE 1	WNW 2	------	W	8.4
18	57.63	55.83	25	25.1	SSW 1	SSW 1	W	------	7.4
19	57.05	55.80	24	29.1	S 1	WSW 2	------	WSW	18.3
20	57.30	55.96	25	27.2	Calm	ESE 1	------	W	2
21	57.42	56.54	25.1	26.5	SSE 1	Calm	------	------	5.9
22	57.65	56.46	24.2	28.6	Calm	W 1	SE	W	2.5
23	56.79	55.30	24.5	29.1	SSW 1	WSW 2	------	W	------
24	56.91	55.92	25.3	27.7	WSW 2	WSW 3	------	W	------
25	56.05	54.55	25.6	28.9	WSW 3	SW 4	WSW	W	------
26	55.23	53.29	26.6	30.9	WSW 2	SW 4	------	WSW	------
27	54.15	52.57	26	30.5	SSW 2	SW 5	------	swbyw	------
28	54	52.98	26.9	32	SW 3	SW 5	W	SW	------
29	55.08	54.51	26.2	31	SSW 3	WSW 5	------	WSW	------
30	56.44	54.96	27.2	29.9	SW 3	WSW 4	------	W	------
31	54.75	52.77	26.6	29.5	SW 2	WSW 4	------	W	.5
Mean	56.79	55.58	25.3	29.7	1.2	2.5	------	------	------
Total	------	------	------	------	------	------	------	------	92.7

LAOANG.

[ϕ=12° 35′ N; λ=125° 01′ E; barometer above sea, 11 meters; gravity correction not applied, —1.78 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	53.34	52.87	26.5	28.8	SW 2	W 3	W	W	16.3
2	55.24	54.16	24.7	30	SSW 2	WSW 4	WSW	WSW	3
3	55.77	55.09	25	32	SSE 1	SW 2		SWbyW	
4	57.05	56.25	25.6	34.7	S 1	SSW 1	W	SW	
5	57.68	56.67	24.5	32	SE 1	WNW 1			
6	57.69	56.36	24.2	29.5	Calm	NNW 1	NNE	NNE	39.6
7	56.45	54.83	25	23.9	Calm	NEbyE 1	NE	E	49.6
8	56.95	55.63	24.5	33.1	ESE 1	SSW 1		SE	
9	57.65	56.65	25	31.9	SSE 1	WSW 2		W	
10	57.76	56.07	25	32.7	SSW 1	W 3		W	
11	56.73	55.05	24.9	30.7	SSW 1	WSW 3		W	
12	56.88	55.04	26.2	30.7	W 3	WNW 4	W	WbyS	6.4
13	56.02	53.55	26.5	29.8	WSW 3	WSW 4		W	
14	53.91	51.71	26.5	28.5	WSW 3	WSW 5		W	
15	51.23	50.32	27.2	28	sw byw 5	SW 5	WSW	SWbyW	
16	53.41	52.95	26.4	31.4	SSW 2	SSW 4	WSW	SWbyW	
17	55.45	55.36	25.9	30.6	SSW 1	SW 3		SW	
18	55.70	54.39	26.8	32	Calm	WNW 3		WSW	
19	54.52	53.42	25.1	30.6	Calm	WNW 3	NW	W	
20	54.82	53.82	24.6	32	SSW 1	SW 3		WSW	
21	56.78	55.59	25.6	32.2	SSW 1	WSW 2	SW	WSW	
22	58.55	57.09	25.6	30.5	S 1	WNW 2		W	
23	59.69	58.31	24.7	30	Calm	NW 1		NW	4.6
24	58.81	56.97	24.7	27.9	SSE 1	WNW 1			13.7
25	57.63	56.03	24.6	31.7	Calm	WNW 2		NNW	49.5
26	55.86	53.43	25.6	29	W 3	W 4	NW	W	.3
27	55	54.47	25.5	31.6	SSW 2	SW 2		SW	
28	57.76	55.79	25.8	33.4	SSE 1	SW 2		SW	
29	57.50	55.70	26	31.5	S 1	SW 2		SW	
30	57.19	55.36	24.6	31.5	S 1	WSW 4		W	
31									
Mean	56.30	54.96	25.4	30.7	1.3	2.6			
Total									183

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.38	57.11	26	31.5	Calm	W 2			
2	59.48	58.66	25.2	29.2	Calm	S 1		W	
3	60.01	58.06	23.6	32.5	SE 1	WNW 1			
4	59.35	57.21	24.4	33.1	Calm	WNW 1		W	2.3
5	58.70	56.73	24	29	Calm	WNW 1	NW		
6	58.32	57.44	23	28.8	Calm	WSW 1		WSW	
7	59.35	57.36	24.5	27	S 1	WSW 2		W	1.5
8	59.10	57.49	24.6	25.5	SSE 1	WSW 2		WSW	3.3
9	58.37	56.52	24.6	29.7	SSE 1	NE 1		NE	7.2
10	58	55.70	25.7	32	SSE 1	SSW 2		SW	5.1
11	57.71	56.65	25.8	24.2	Calm	ENE 1			20.5
12	58.47	56.10	24.5	30.5	SE 1	WNW 2	ENE		14.2
13	57.71	56.06	24.8	30.4	W 1	NW 2	NW	NNW	9.2
14	54.87	53.34	26.4	27	N 1	NE 3	NNE	NE	22.1
15	52.88	51.07	27	25.7	ENE 5	ENE 5	ENE	ENE	23.8
16	52.94	53.46	26	26.2	ESE 2	SEbyE 2	ESE	SE	16.5
17	57.01	56.75	26	29.1	SSE 2	ESE 1	SE	S	7.4
18	59.90	58.06	25.6	32.4	Calm	NE 1		E	22.9
19	60.13	58.13	25.4	30.5	W 1	ENE 1	NE	NE	15.5
20	58.99	56.50	24.5	30.1	Calm	NNE 1	ENE	N	13.7
21	59.32	57.58	23.5	29.1	Calm	NW 1		NE	7.6
22	58.90	57.10	24.6	31.3	Calm	NE 1	NE	NE	4.1
23	58.61	56.54	24	29.5	SE 1	NW 1	NE	NNE	14.2
24	58.14	55.99	24.8	29.4	Calm	N 2	NE	NE	10.1
25	56.53	55.20	25.9	26.1	NW 2	WNW 4	N W	NW	4.3
26	57	56.11	25	32.2	Calm	SW 2		SW	
27	59.23	57.83	25.1	31.6	SE 1	ESE 2		SE	
28	59.99	58.28	24	30.2	Calm	ENE 2			
29	58.85	58.17	22.9	27.4	Calm	ESE 1	NE		3.3
30	59.04	56.67	23.2	31.6	SSE 1	ENE 2	SE		
31	60.20	58.76	22.8	29.8	Calm	NE 2		NE	26.9
Mean	58.24	56.70	24.8	29.4	0.7	1.7			
Total									255.7

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.98	56.63	26.4	28.5	NE 2	ESE 4	NE	E	2.8
2	59.66	57.98	24.6	27.5	ESE 1	ESE 2		SE	
3	60.03	57.81	23.8	30.2	Calm	ENE 2			
4	59.61	58.18	22.6	31	SSE 1	NE 2	NE	NE	
5	58.70	57.08	25.5	28.5	NE 1	NNE 2	NE	NE	39.3
6	56.04	56.32	26.3	29.2	ENE 3	ESE 3	EbyN	SE	10.2
7	59.25	58.69	24.6	26	Calm	SSE 1		E	31.7
8	60.14	58.76	23.5	30.4	Calm	ENE 3	E	EbyN	1.5
9	59.01	57.76	24.1	27.1	Calm	NE 2	ENE	ENE	18.3
10	59.15	57.28	23.7	30.4	Calm	ENE 2	ENE	E	13.7
11	59.44	58.29	24	28.7	Calm	ENE 2	ENE	ENE	12.2
12	59.53	57.93	25.8	30.3	Calm	ENE 2	ENE	SE	8.1
13	59.01	57.52	24	29	Calm	E 2	ENE	E	2.1
14	58.82	57.31	23.5	28.5	SE 1	NE 1	NE	NE	1.5
15	59.42	57.71	23.4	30	Calm	NE 2	NE	NE	.5
16	59.25	58	24.1	31.2	Calm	ENE 2	ESE	SE	
17	58.95	57.73	23.2	30	Calm	NE 2		ENE	.5
18	58.96	57.05	22.4	30.9	SSE 1	NE 2			2.3
19	58.79	56.75	22.5	29	Calm	NNE 2	NE	NE	2.3
20	57.61	56.43	25.3	30.8	NNW 1	NW 3	NNE	N	1.3
21	57	55.90	24.5	28.7	Calm	NNW 2	N	N	11.9
22	57.68	56.56	25.1	28.9	NNE 1	NNE 3	NNE	NE	1.8
23	57.83	56.17	25.8	28.2	NNE 2	N 3	NE	NNE	11.9
24	54.96	52.08	26	26.5	NNE 3	NNE 6	NNE	NNE	49.6
25	52.10	54.49	24.8	29.2	EbyS 5	ESE 2	ESE	SE	39.6
26	58.35	56.70	23.1	31.2	Calm	NE 2		ENE	.5
27	58.12	56.95	23.5	25.2	Calm	N 2	E	NNE	35.9
28	56.05	55.08	26.4	26.2	ENE 4	EbyN 4	ENE	E	45.3
29	58.06	57.69	23.5	26.5	Calm	ENE 1			16.5
30	59.73	58.12	22.5	28.3	Calm	ENE 2		E	4.8
31									
Mean	58.34	57.03	24.3	28.9	0.9	2.3			
Total									366.1

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	61.01	59.87	22.6	30.2	Calm	E 2			
2	61.49	59.40	21.8	27	Calm	NNE 1		NE	5.9
3	59.21	56.76	24.6	28.1	N 1	NNW 2	NNE	N	2.5
4	56.27	54.56	24.5	26.6	WSW 4	swbyw 5		WNW	
5	56.92	56.35	24.4	30.5	Calm	WSW 4		W	
6	59.07	58.41	22.2	30.5	Calm	WNW 2			
7	60.82	59.49	24.9	28.1	N 1	NE 2		NW	.5
8	60.11	59.19	23	29.9	NW 1	NE 1		ENE	9.4
9	61.22	59.74	23.9	25.9	NE 2	NE 1		SE	35.6
10	59.64	59.92	24.8	25.9	NNE 2	NE 1		NE	56.1
11	60.05	59.76	25.8	28.8	NE 1	ENE 1	NE	ENE	13.5
12	60.59	59.93	24.3	28.9	E 1	ENE 2	NE	E	14.7
13	60.73	60.09	24.3	27.7	ESE 2	E 1	ENE	NE	24.6
14	60.87	59.83	25	29.6	ENE 1	ENE 2	E	ESE	2.5
15	61	59.62	22.7	29.7	Calm	ENE 2	E	E	1.5
16	60.97	59.47	24.7	28.5	ENE 1	NE 2		ENE	.3
17	60.35	59.12	21.8	28	Calm	E 3	E	E	2
18	59.72	57.52	21.3	28	Calm	NNW 2	NNE		
19	58.02	57.44	21.9	29.6	Calm	WNW 3			10.7
20	58.92	57.87	23.4	28	Calm	NNE 2	NE	NNE	2.5
21	59.11	57.79	24.7	29.5	NNE 1	N 2	NE	NE	31.7
22	59.52	58.44	25	26.5	Calm	ENE 2		ENE	135.9
23	60.83	59.84	23.1	28	NW 4	N 3	N	NNE	18
24	59.97	58.86	23.6	25	Calm	ENE 3	E	E	18.8
25	60.18	59.70	24.6	27.4	NEbyE 2	NE 3	ENE	ENE	16.8
26	60.75	59.40	25.4	29.7	ESE 1	ENE 2	SE	ESE	9.9
27	60.62	59.55	25.4	29.1	E 1	E 2	ESE	SE	33.8
28	60.45	59.89	24	26.2	E 1	NNW 1	ESE		24.9
29	61.68	60.46	23.5	29.2	E 1	E 2	E	E	9.9
30	61.72	60.32	25.5	29.2	E 2	ENE 3		E	10.9
31	61.22	59.95	25.5	25	ENE 1	ENE 1	E		17.5
Mean	60.10	58.99	23.9	28.2	1	2.1			
Total									510.4

GUBAT.

[$\phi = 12° 55'$ N; $\lambda = 124° 08'$ E; barometer above sea, 3.5 meters; gravity correction not applied, —1.77 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	60.16	59.02	25.3	27.6	NE	3	ENE	3	NE	NE	1.8
2	60.64	60.03	25.5	26.3	NE	2	N	2	NE		3.6
3	61.10	60.78	25.5	26.6	NE	4	NE	4	NE	NE	4.8
4	61.69	60.48	24.7	27.6	NE	4	NE	2		NE	1.8
5	61.15	60.02	25.5	26.9	NE	3	NE	4	NE	NE	6.3
6	60.52	59.87	25.6	26.4	NE	3	NE	3	NE	NE	
7	60.99	60.26	25	27.3	NE	4	NE	4	NE	NE	1.8
8	61.37	60.01	25	27.5	NE	3	NE	4	NE	NE	1.8
9	60.88	59.56	23.5	28	N	2	ENE	2	NE	NE	1.8
10	61.09	60.20	22.8	28	E	2	E	2	E	E	1.3
11	62.36	61.19	22.4	26.9	SE	1	E	2	E	NE	8.4
12	62.13	61.04	24.2	25.5	SE	2	NE	3		NE	21
13	62.54	61.36	24.6	27	E	5	E	5	E	E	
14	63.03	61.57	23.5	26.9	N	2	NE	2	NE	NE	
15	62.51	60.81	22.5	27.4	N	2	NE	2	NE	NE	1.3
16	63	62.23	23	28	N	2	E	2	NE	E	
17	63.09	62.12	21.5	25.6	N	2	NE	3	NE	NE	
18	62.97	62.23	24	27.8	NE	2	NE	2	NE	NE	
19	63.48	62.73	20.7	28.4	NE	2	NE	2	NE	NE	3.3
20	63.25	62.24	22.9	27	N	2	NE	3	NE	NE	1.3
21	62.99	62.08	21.4	27.5	NE	1	NE	2	NE	NE	
22	62.69	61.73	21.8	29	N	2	NE	2	NE	NE	
23	61.89	60.58	20.1	29	NE	2	NE	2		NE	10.9
24	63	62.13	23	28	SE	1	E	2	E	E	
25	62.83	62.08	24.8	27.9	E	2	E	2	E	E	
26	62.57	62.26	22.5	27.4	NE	2	E	2	NE		2.8
27	63.86	63.02	22.2	28.2	NE	2	NE	2	NE	NE	
28	63.85	62.10	23	27.6	NE	2	NE	3	NE	NE	12.7
29	63.43	61.83	23	26.6	N	2	ENE	3	NE	NE	2.5
30	62.48	61.37	23.7	27.5	E	2	E	2	E	E	4.3
31	62.60	61.44	23	27.4	NE	1	NE	2	NE	NE	20.1
Mean	62.26	61.24	23.4	27.4		2.3		2.6			
Total											113.6

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	62.56	61.22	20	28	E	1	E	2	E	E	
2	62.05	60.87	24.2	27.4	E	2	NE	2	N	NE	2.5
3	62.59	61.31	22.7	27.5	N	2	N	2		N	5.6
4	62.39	61.33	23	28.3	NE	2	NE	2	NE	NE	16.3
5	63.08	62.56	24.8	26.5	NE	4	NE	5	NE	NE	
6	63.79	63.28	23	27	E	4	NE	3	E	NE	
7	63.58	62.98	24	27.3	NE	3	NE	3	NE	NE	
8	63.82	62.28	24	27.6	NE	2	NE	2	NE	NE	
9	63.05	62.16	20.5	27.8	NE	1	NE	2	NE	NE	4.8
10	62.14	60.74	23.5	26.5	NE	2	NE	2	NE	NE	12
11	61.72	60.88	23.4	25.1	NE	2	NE	2	NE		12.2
12	61.40	60.02	23.5	26.2	N	1	NE	2	NE	NE	7.1
13	60.68	60.01	24	27.3	NE	3	NE	2	NE	NE	
14	59.59	58.27	23.5	27.9	NE	2	NE	2	NE	NE	9.1
15	59.48	58.91	24.2	27.2	NE	2	NE	2	NE	NE	4.8
16	60.02	58.93	24.6	28.5	E	2	NE	2	E	NE	4
17	60.11	59.52	25.9	28.5	E	2	E	2	E	E	
18	60.08	59.82	22.5	27.8	NE	2	NE	3	NE	NE	7.4
19	61.14	60.56	24.5	25	N	2	NE	3	NE		62.8
20	61.93	61.15	23.8	23.6	NE	4	NE	5			70.6
21	61.68	60.75	24.5	25.3	E	3	E	4	E		5.8
22	61.73	60.62	22.2	27.2	E	2	SE	1	SE	E	
23	61.60	60.52	23	26.5	E	1	NE	2	SE		11.7
24	60.95	60.23	24.7	28	E	2	E	2	E	E	1.5
25	60.90	60.23	25	28	E	2	NE	2	E	NE	
26	60.69	59.53	23.4	27.9	N	2	NE	2	NE	NE	1
27	60.45	59.31	24.6	26.5	NE	2	NE	2	NE	NE	4.8
28	60.17	58.78	25.2	28	E	2	NE	2	NE	NE	1.3
29	60.09	59.15	23.5	28.8	NE	2	NE	3	NE	NE	3
Mean	61.50	60.55	23.6	27.1		2.2		2.4			
Total											248.3

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.79	59.43	25.2	28.5	NE	2	NE	2	NE	NE	
2	60.97	60.33	25	26.5	NE	2	NE	2	NE	NE	1
3	61.48	61.20	26	28.6	ENE	3	NE	3	NE	NE	
4	61.75	60.56	25.5	28.6	NE	3	NE	2	NE	NE	
5	60.60	59.72	23.5	29	NE	2	NE	2	NE	NE	5.1
6	61.06	60.60	25.8	28.8	E	3	E	2	NE	E	
7	61.51	60.36	24.8	28.9	NE	2	NE	2	NE	NE	
8	61.91	61.03	25.9	28.8	E	2	NE	2	E	NE	
9	62.81	61.57	25.8	28.8	NE	2	NE	2	NE	NE	
10	62.09	60.86	25.5	29	NE	2	NE	2	NE	NE	
11	60.45	59.20	23.4	28.8	NE	2	NE	2		NE	
12	58.90	57.85	23.8	28.7	SE	2	E	2	E	E	
13	58.93	58.40	26	29.6	SE	1	NE	2	NE	NE	
14	60.06	59.41	25.9	29.3	SE	2	NE	2	SE	NE	
15	60.73	60.25	24.7	29.8	SE	2	NE	2	SE	NE	
16	60.77	59.97	22.8	29.6	SE	2	NE	2	E	NE	
17	61.33	60.41	22.9	27	NE	2	NE	2	NE	NE	7.4
18	61.70	61.16	25	29.3	NE	2	NE	2	NE	NE	5.1
19	61.90	61.12	23	27	NE	2	NE	4	NE	NE	22.4
20	61.84	60.91	25	28.5	NE	3	NE	3	NE	NE	
21	62.11	61.44	25.9	28.9	NE	3	NE	2	NE	NE	
22	62.87	61.68	26	28.8	NE	3	NE	3	NE	NE	
23	62.38	61.81	26	28.9	NE	2	NE	2	NE	NE	
24	61.91	61.16	25.9	29.8	E	2	NE	2	E	NE	
25	63.28	62.07	26	28.8	NE	2	NE	3	NE	NE	
26	62.99	61.32	24	27.5	NE	1	NE	4	NE	NE	
27	62.11	61.18	25.8	29.5	NE	3	NE	2	NE	NE	
28	61.96	61.01	25.8	29.7	NE	2	NE	2	NE	NE	9.1
29	61.65	61.21	26.5	27.9	NE	3	NE	2	NE	NE	2.8
30	62.06	61.27	26.5	29	E	3	NE	2	E	E	8.4
31	61.50	60.93	25.8	29	NE	3	NE	3	NE	NE	
Mean	61.46	60.63	25.2	28.7		2.3		2.3			
Total											61.3

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	61.74	60.69	23.6	28.9	NE	2	NE	2	NE	NE	4.8
2	61.42	60.62	26.2	29	NE	2	NE	2	NE	NE	
3	61.52	60.63	26.2	29.5	NE	2	NE	2	NE	NE	
4	60.69	59.55	26.4	30	NE	2	NE	2	NE	NE	
5	59.90	59.30	25	30	NE	2	NE	2	NE	NE	
6	60.23	59.46	23.6	28.3	NE	2	NE	2	NE	NE	7.3
7	60.74	59.62	23.3	32.5	NE	2	NE	2	NE	NE	
8	60.76	59.41	21.7	29.5	NE	2	NE	2		NE	
9	60.99	60.03	23.1	30	NE	2	NE	2	NE	NE	
10	62.21	61.28	25	30	NE	2	NE	2		NE	
11	62.26	61.17	23.6	29.5	NE	2	NE	2	NE	NE	
12	63	62.20	26	30	E	1	NE	2	E	NE	8.4
13	63.81	62.68	26	29.3	E	2	NE	3	E	NE	6.6
14	63.31	61.79	26.1	28.9	NE	2	NE	3	NE	NE	5.3
15	61.79	60.51	26.5	29.8	E	2	NE	2	E	NE	1
16	61.50	60.72	25	29.7	E	2	NE	2	E	NE	
17	61.69	60.75	26.5	29.2	NE	2	NE	2	NE	NE	
18	61.39	60.21	25.5	30	NE	2	NE	2	NE	NE	
19	61.22	60.03	26.7	30.3	NE	2	NE	2	NE	NE	18.8
20	60.10	60.07	27	30	E	3	E	2	E	E	
21	60.29	59.60	27.2	30	E	2	NE	2	E	NE	
22	60.17	59.52	27.4	29.8	NE	2	NE	2	NE	NE	5.6
23	60.25	58.80	26.5	30	NE	2	NE	2	NE	NE	
24	60.05	59.32	26.5	29.6	NE	2	NE	2	NE	NE	
25	59.84	58.62	27.3	29.5	NE	2	NE	2	NE	NE	
26	59.99	59.10	26	30	NE	2	NE	2	NE	NE	
27	59.94	59.48	25.8	27.4	NE	2	NE	2	NE		28.5
28	60.18	59.19	26.1	28.8	NE	2	NE	2	NE	NE	1.8
29	59.70	58.29	26	29.7	E	2	NE	2	E	NE	
30	58.85	57.50	26.5	30	E	2	E	2	E	E	
Mean	60.98	60	25.6	29.6		2		2.1			
Total											88.1

GUBAT.

[$\phi = 12°\ 55'$ N; $\lambda = 124°\ 08'$ E; barometer above sea, 3.5 meters; gravity correction not applied, —1.77 mm.]

MAY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58.75	57.25	26.4	30.1	SE	2	NE	2	E	NE	-------
2	59.04	58.48	27	30.2	SE	2	NE	2	E	NE	-------
3	60.84	59.97	27.4	30.5	SE	2	NE	2	E	NE	-------
4	60.89	59.70	25	30.5	SE	2	NE	2	NE	NE	-------
5	60.12	58.58	24.6	30.2	NE	2	NE	2	E	NE	-------
6	59.06	57.62	22.8	32.8	S	2	SE	2	S	-------	-------
7	59.43	58.22	23.5	31	NE	2	NE	2	-------	E	-------
8	59.62	58.35	25.6	31	SE	2	NE	2	E	-------	-------
9	59	57.92	26.5	30.4	NE	2	NE	2	E	E	-------
10	59.92	59.40	25.8	30.6	ESE	2	NE	2	E	NE	6.6
11	60.85	59.60	25.4	30	NE	2	NE	2	-------	E	3.8
12	59.99	58.27	26.6	30.3	NE	2	NE	2	E	-------	-------
13	59.07	57.62	25.5	32.2	SE	2	NE	2	E	-------	-------
14	58.66	58.15	24.9	32.1	SE	2	SE	2	E	-------	-------
15	58.94	57.92	25.3	31.5	SE	2	SE	2	E	E	-------
16	58.96	57.97	24.9	31	SE	2	SE	2	SE	-------	-------
17	58.61	57.76	25.3	31.6	SE	2	SE	2	E	E	-------
18	58.97	58.46	27.4	32	SE	2	SE	2	E	E	-------
19	59.07	58.17	27.6	31.9	SE	2	SE	2	E	E	-------
20	58.58	57.02	27	31.5	S	2	ENE	2	SE	E	-------
21	58.49	57.64	25.8	31.8	ESE	2	ESE	2	E	E	-------
22	58.63	58.23	24.3	30.6	ESE	2	SE	2	E	-------	-------
23	58.94	57.46	25.2	31.6	SE	2	SE	2	E	-------	-------
24	58.67	56.96	25.2	31.5	SE	2	SE	2	E	E	-------
25	57.91	56.14	24.9	31.4	SE	2	SE	2	E	-------	-------
26	57.54	56.25	26.4	31.9	SE	2	SE	2	SW	-------	-------
27	57.61	56.48	25.9	34.5	SE	2	SE	2	SW	E	-------
28	58.55	57.91	26	32	SE	2	SE	2	E	-------	-------
29	59.38	58.10	27	32.2	SE	2	SE	2	SE	-------	-------
30	59	57.74	27.6	32.4	SE	2	E	2	-------	SE	-------
31	58.84	57.05	25.2	32.4	SE	2	SE	2	-------	E	-------
Mean	59.09	57.95	25.7	31.4		2		2	-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	10.4

JUNE.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58.93	57.50	26	32.3	SE	2	NE	2	E	E	-------
2	60.14	58.67	27	32.5	SE	2	SE	2	E	E	-------
3	59.49	58.82	26.8	32	SE	2	SE	2	E	E	-------
4	58.50	57.14	26.2	32	SE	2	SE	2	E	E	-------
5	58.39	56.70	26.5	32.4	SE	2	SE	2	E	E	-------
6	58.76	56.82	26.8	32.4	SE	2	E	2	E	E	-------
7	58.80	56.60	25.5	32.2	SE	2	SE	2	-------	-------	-------
8	58.15	56.59	25.4	34	SE	2	SE	2	S	S	-------
9	58.44	56.81	25.6	33.3	SE	2	SE	2	W	E	-------
10	59.05	57.07	25.2	34.8	SE	2	SE	2	E	E	-------
11	58.91	58.30	25.7	28	NE	2	SE	2	-------	-------	14.5
12	58.73	57.73	24.9	29.2	SE	2	SE	2	SW	SW	8.9
13	59.10	57.58	24.5	31.6	NW	2	NW	2	S	SW	6.4
14	58.84	57.40	-------	32.9	SE	2	SW	2	S	S	-------
15	58.50	56.55	26	34	SE	2	SE	2	-------	E	-------
16	57.26	55.49	26.4	32	SE	3	SE	2	S	E	-------
17	56.29	55.45	26.6	32.5	W	2	W	2	WSW	SW	-------
18	57.45	55.70	26.9	35.6	W	2	W	2	SW	SW	-------
19	57.21	55.24	26.6	35.4	W	2	W	2	SW	SW	-------
20	57.26	55.40	27.4	35.6	SW	3	W	2	S	SW	-------
21	56.83	55.68	27.5	34.4	W	2	W	2	-------	SW	-------
22	58.20	56.48	26.2	33.5	SW	2	SE	2	S	SW	-------
23	58.07	56.68	26.2	33.1	SE	2	SE	2	S	S	-------
24	58.09	56.29	26.5	34.5	SE	2	SE	2	S	-------	-------
25	58.32	56.77	25.1	32	SE	2	SE	2	S	-------	-------
26	58.17	56.90	25.2	33.4	SE	2	SE	2	E	S	-------
27	58.59	56.40	25.8	32.6	SE	2	SE	2	S	S	-------
28	57.76	55.91	25.5	32.5	SE	2	SE	2	S	S	-------
29	57.69	56.36	26	33.6	SE	2	SE	2	S	S	-------
30	58.32	57.32	25	32	SE	2	SE	2	E	E	-------
31	-------	-------	-------	-------	-------		-------		-------	-------	-------
Mean	58.27	56.74	26	32.9		2.1		2	-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	29.8

JULY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58.44	56.75	25.8	32.4	SE	2	SE	2	E	E	-------
2	58.14	56.79	25.9	30.9	NE	2	SE	2	E	S	-------
3	58.31	56.28	24.9	31.4	SE	2	SE	2	E	E	-------
4	59.66	58.60	23.6	30.5	SE	2	SE	2	E	E	-------
5	59.68	57.85	24.4	31.9	S	2	NE	2	-------	-------	3.3
6	58.20	56.84	25.4	32	SE	2	SE	2	E	-------	6.6
7	57.61	56.22	24	31.6	SE	2	SE	2	E	E	32.3
8	57.27	56.37	24	30.4	SE	2	SE	2	E	E	-------
9	57.11	56.17	24	31	SE	2	SE	2	E	E	-------
10	58.20	57.41	25	30.5	SE	2	SE	2	E	E	-------
11	58.33	57.35	24	31.3	SE	2	SE	2	E	E	-------
12	58.13	56.80	24.2	32.6	NE	2	NE	2	E	NE	9.9
13	57.39	56.45	25.8	31.9	SE	2	NE	2	E	E	5.3
14	57.51	56.32	25.2	30.2	NE	2	E	2	E	NE	-------
15	58.45	56.88	25.5	31.5	SE	2	SE	2	E	E	-------
16	58.21	57.44	24.8	29.3	SE	2	SW	2	E	-------	3
17	57.70	55.80	24.7	28	W	2	W	2	-------	NW	6.4
18	56.18	54.99	24	29.5	SE	3	SE	3	SW	SW	-------
19	55.38	54.13	24.5	31.9	S	2	S	2	SW	SW	-------
20	56.73	55.39	25.5?	26.3	SE	2	S	2	SW	-------	5.3
21	56.10	55.06	25.3	32	SW	2	S	2	WSW	SW	4.8
22	56.96	55.64	24.9	34.1	SW	2	W	3	W	SW	-------
23	56.67	55.19	25.5	33.6	SE	2	SW	2	SW	W	-------
24	57.09	56.07	25.7	32.5	SW	2	W	3	W	-------	-------
25	57.61	56.67	26	31.5	SW	2	SE	2	W	SW	7.1
26	57.67	56.42	25.6	31.5	SE	2	ESE	2	E	E	29
27	56.04	55.01	25.4	27.3	E	2	NE	2	NE	E	17
28	55.12	54.46	24.7	32.4	S	2	S	2	SW	SW	5.8
29	56.55	56.51	24.8	30.3	SE	2	SW	3	SW	-------	10.9
30	57.26	59.35	24.2	31.4	SW	2	WSW	2	SW	SW	1.3
31	56.95	56.24	25.4	30.8	SW	2	SW	2	W	WSW	-------
Mean	57.44	56.30	24.9	31		2		2.1	-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	148

AUGUST.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	56.04	56.13	25.5	30.2	SW	2	SW	2	S	WSW	-------
2	56.49	55.77	24.9	29	SW	2	SW	2	WSW	W	8.1
3	58.26	57.23	25	28.5	SW	2	SW	2	W	W	5.1
4	57.98	56.42	25	32.2	WSW	3	SW	2	SW	W	-------
5	57.34	56.29	24.9	32.7	W	1	WSW	2	SW	SW	-------
6	58.22	56.99	26.2	33	SW	2	SW	3	W	W	-------
7	58.24	57.68	26	30.5	W	2	W	2	WSW	NW	-------
8	57.65	56.34	24.5	30	WSW	2	W	2	W	WNW	-------
9	56.91	56.42	24.8	30	W	2	W	3	WSW	SW	2
10	57.25	56.13	24.1	32	WSW	2	NW	3	W	W	1.5
11	56.75	55.72	24.8	32	SW	2	SW	3	W	W	17.8
12	55.66	55.16	25	27.8	SW	2	WSW	2	W	W	9.6
13	55.08	54.98	25	28.9	WSW	2	SW	2	SW	WSW	3.8
14	56.09	55.43	25.5	31.5	SW	2	SW	2	W	W	-------
15	57.50	56.47	25.5	31.5	W	2	WSW	2	SW	W	-------
16	57.89	56.36	26	33.1	WSW	2	WSW	2	W	W	22.4
17	57.25	55.57	25.2	33	WSW	2	SW	2	W	W	-------
18	56.89	56.42	25.5	28.2	WSW	2	S	2	W	SE	-------
19	56.73	55.69	24.4	30.2	WSW	2	WSW	2	W	W	6.1
20	57.14	55.52	25	33	WSW	2	WSW	3	W	W	-------
21	57.14	56.54	25.2	27.9	WSW	2	SW	1	W	W	10.7
22	57.70	56.31	24.9	31.8	WSW	2	W	2	W	-------	7.4
23	56.91	55.18	24.2	31	WSW	2	SW	2	W	W	-------
24	56.82	56.24	25	28.3	WSW	2	WSW	2	W	W	-------
25	55.86	54.49	26.4	29	SW	3	WSW	3	W	W	-------
26	55.04	53.13	26	31.8	SW	2	SW	4	WSW	W	-------
27	53.90	52.48	26.1	32.5	SW	2	SW	2	W	WSW	3
28	54.06	53.06	26	30.9	SW	2	SW	3	WSW	WSW	6.6
29	54.94	54.32	25.4	32	SW	2	SW	3	WSW	WSW	-------
30	55.91	55.02	26.6	29.1	SW	2	SW	2	WSW	W	-------
31	54.56	52.89	26.7	29.7	SW	2	SW	2	WSW	WSW	57.1
Mean	56.59	55.56	25.3	30.7		2		2.3	-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	161.2

GUBAT.

[$\phi = 12°\ 55'$ N; $\lambda = 124°\ 08'$ E; barometer above sea, 3.5 meters; gravity correction not applied, —1.77 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	53.84	53.21	25	25.7	WSW	3	SW	2	------	WSW	90.2
2	54.85	54.19	24.2	26.5	SW	2	SW	2	WSW	WSW	13.4
3	55.73	54.96	25	30.6	SW	2	SW	2	W	WSW	------
4	56.47	56.22	26	31	SW	2	SW	2	WSW	WSW	------
5	57.36	56.50	24.5	31.5	S	2	SE	2	SW	SW	------
6	57.88	56.58	24.5	30	N	2	NE	2	NE	N	18.8
7	56.37	55.73	24.7	25.3	W	2	E	2	N	NE	25.6
8	56.36	55.61	26	29.9	SE	2	SE	3	E	S	------
9	57.52	56.80	25.1	31.9	WSW	2	WSW	3	W	SW	------
10	57.44	55.95	25.5	32.4	WSW	2	WSW	2	W	W	------
11	56.35	55.22	26	32	SW	2	SW	3	WSW	WSW	2.3
12	56.82	54.98	25.5	31	SW	2	WSW	3	W	W	------
13	56.21	53.98	26.5	31.3	W	2	WSW	3	WSW	W	3.8
14	54.22	52.13	26.4	29.1	SW	2	WSW	3	W	W	------
15	50.75	50.02	26.5	30.5	WSW	3	SW	3	W	WSW	------
16	52.64	52.25	26.5	31.2	SW	2	SW	2	WSW	WSW	1.8
17	55.44	55.37	25.8	30.1	WSW	2	WSW	2	W	SW	------
18	55.99	54.55	25.6	32.9	SW	2	SW	2	W	WSW	------
19	54.51	53.48	26	31.4	WSW	2	SW	3	W	W	1.3
20	54.74	54.02	25.6	32.3	WSW	2	SW	3	W	W	1.8
21	56.34	55.67	25.4	32	WSW	2	W	2	W	WSW	------
22	58.14	57.31	25.5	32.5	WSW	2	WSW	2	W	W	------
23	59.02	58.14	26	32.2	WSW	2	N	2	W	NW	------
24	58.65	57.25	25	26.5	NW	2	SW	2	N	NE	6.4
25	57.64	56.10	24.5	30.5	NW	2	NE	3	NE	N	6.9
26	56.42	53.63	24.8	29.2	WSW	2	SW	2	N	W	7.9
27	54.69	54.37	26	30.6	SW	2	SW	2	WSW	WSW	------
28	57.05	55.56	26.4	33	WSW	2	SW	3	SW	WSW	------
29	56.95	55.97	26.3	31	SW	2	SW	2	WSW	WSW	------
30	56.67	55.67	25.5	31.6	WSW	2	W	2	------	WSW	------
31	------	------	------	------	------		------		------	------	------
Mean	56.10	55.05	25.5	30.5	2.1		2.4		------	------	------
Total	------	------	------	------	------		------		------	------	180.2

OCTOBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	58.30	57.17	25.9	30	SW	2	WSW	2	WSW	W	------
2	59.21	58.15	24.6	33.5	SE	2	WSW	2	S	W	------
3	59.86	58.20	22.2	33.6	W	1	WSW	2	WSW	SW	------
4	59.15	57.04	24.5	33.8	WSW	2	WSW	2	W	W	------
5	58.05	56.57	24.9	30	SW	2	SE	2	W	W	2
6	58.27	56.99	23.5	30.5	SE	2	SE	2	W	W	3.8
7	59.14	57.29	24	31.2	W	2	SW	2	WSW	WSW	12.2
8	58.58	57.25	25	29.6	WSW	2	WSW	2	W	W	------
9	58	56.25	25.4	30.5	SW	2	SW	2	WSW	WSW	------
10	57.30	55.77	24.8	31.9	S	2	SW	2	SW	WSW	29
11	57.31	55.93	24.5	29.3	E	2	SE	2	WSW	SW	1.5
12	57.75	56.21	24.7	31.5	W	2	NW	2	NW	------	21.6
13	58.01	55.87	24	31	WSW	2	NW	2	W	N	5.1
14	55.37	54.19	25.5	28	NW	2	NE	3	N	NNE	31.5
15	54.13	52.05	26.5	26.7	N	3	NE	5	NNE	NNE	62.7
16	53.80	52.29	25.8	28	E	6	E	6	ENE	------	7.6
17	56.40	56.71	26	27.5	SE	2	SE	2	SSE	S	------
18	59.67	58.27	24.8	30.4	SE	2	E	2	ESE	S	20.3
19	60.14	58.26	23.9	29.9	SE	2	ENE	2	E	E	1.5
20	59.03	56.71	25	30.8	NE	2	NE	2	ENE	ENE	2
21	58.82	58.06	25	27.4	NE	2	NE	2	ENE	ENE	47
22	58.77	57.45	25.2	28.6	NE	2	NE	2	ENE	ENE	8.9
23	58.56	56.96	24	25	NE	2	NE	2	ENE	N	43.9
24	58.20	56.33	24	29.5	N	2	NE	2	NNE	NNE	2
25	56.69	55.80	24.4	29	SW	2	NW	2	NE	N	8.6
26	56.21	55.82	25.2	32.5	SW	2	WSW	2	W	SW	------
27	58.71	58.09	26.3	32	SE	2	SE	2	S	S	------
28	59.72	58.98	25	30.8	SE	2	E	2	E	ENE	------
29	58.66	58.19	23.6	26.7	NE	2	NE	2	ENE	ENE	8.2
30	59.07	58.26	24.8	30.4	NE	2	NE	2	E	ENE	------
31	60.10	58.80	25	31.2	E	2	NE	2	ENE	NNE	------
Mean	58.10	56.77	24.8	30	2.1		2.3		------	------	------
Total	------	------	------	------	------		------		------	------	319.4

NOVEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	59.28	57.42	25.6	28.9	N	2	NE	3	NE	ENE	20.1
2	59.37	58.08	26.3	28.6	SE	2	ENE	2	ESE	E	35.8
3	60.09	58.14	25	30	SE	2	SE	2	E	E	10.2
4	59.58	58.13	25	30.4	NE	2	NE	2	ENE	ENE	1
5	58.73	57.81	24.1	26.6	NE	2	N	2	ENE	NE	16.8
6	56.46	56.41	27	26.5	NE	4	E	4	ENE	ESE	12.9
7	59.44	59.04	26.5	26	SE	2	E	2	ESE	ENE	------
8	60.33	59.06	26.6	29.5	E	3	NE	3	ENE	ENE	------
9	59.25	57.86	26.1	29.5	E	2	NE	2	ENE	ENE	14.9
10	58.96	57.71	24.3	29.1	NE	2	N	2	ENE	NE	6.6
11	59.37	58.45	25.2	29.5	NE	2	NE	2	ENE	ENE	17.3
12	59.62	58.38	26	28	NE	2	NE	2	ENE	ENE	12.7
13	58.82	57.80	26	28.2	E	2	NE	2	ENE	ENE	6.4
14	58.68	57.53	23.4	29.9	NE	2	NE	2	ENE	ENE	2.5
15	59.60	58.03	23.5	28.1	NE	2	NE	2	ENE	ENE	6.3
16	59.34	58.29	24.9	30.2	NE	2	NE	2	ENE	ENE	1.3
17	58.89	57.74	26	30.1	N	2	NE	2	E	ENE	------
18	58.83	57.55	24	30	E	2	NE	2	ENE	ENE	1.3
19	58.97	56.91	23.1	31.5	NE	2	N	2	ENE	NNE	.8
20	57.82	56.63	24.1	29	NE	2	NE	2	NNE	NNE	------
21	57.28	56.50	23.5	26.9	SE	2	NE	2	NE	NNE	27.7
22	57.92	56.83	24.2	28.8	N	2	N	2	NNE	NNE	------
23	58.28	56.26	22.3	29.7	NE	2	N	3	NNE	NNE	4.3
24	56.27	54.20	25	27.4	NE	2	N	4	NNE	NNE	48.5
25	51.71	54.10	27?	27	E	8	ESE	3	ESE	SE	11.4
26	58.41	56.89	22	30	E	2	E	2	------	ENE	------
27	57.45	57.23	25	29.9	N	2	NW	2	NE	N	19.8
28	56.50	55.03	26.6	27.8	NE	3	NE	5	ENE	ENE	25.7
29	57.61	57.30	24.5	26.5	ESE	2	E	2	SE	ESE	5.3
30	59.24	58.55	24.2	27	S	2	ENE	2	SE	E	4.8
31	------	------	------	------	------		------		------	------	------
Mean	58.40	57.33	24.9	28.7	2.3		2.4		------	------	------
Total	------	------	------	------	------		------		------	------	314.4

DECEMBER.

Day.	Pressure, 700 mm. + 6 a. m.	Pressure, 700 mm. + 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	60.98	59.69	24.5	28.4	E	2	NE	2	ESE	E	------
2	61.14	59.42	22	28.7	NE	2	NE	2	ENE	ENE	------
3	59.46	57.02	23	29	NW	2	N	2	N	NNE	------
4	56.87	55.25	23.8	26.5	WSW	2	WSW	2	NW	NW	0.5
5	56.94	56.43	25.2	30.2	SW	2	SW	2	W	W	------
6	59.06	58.34	23.3	30	N	2	N	2	NNW	NNW	------
7	60.76	59.60	23.3	27.5	NE	2	N	2	NNE	NNE	1.5
8	60.34	59.39	20.2	26.9	NE	3	NE	3	NNE	NNE	2.5
9	60.61	59.92	23.5	27	NE	2	NE	3	ENE	ENE	20.3
10	60.90	60.70	25	24.5	NE	3	NE	2	ENE	ENE	45.5
11	60.79	60	25.5?	27.5	NE	3	NE	3	ENE	NNE	2
12	61.20	60.32	25.5	27.5	NE	3	NE	3	ENE	ENE	4
13	61.32	60.42	25.5	26	NE	3	ENE	4	ENE	E	6.6
14	61.27	60.17	25.8	28.4	NE	2	E	4	ENE	E	23.1
15	60.89	59.95	26	29	E	3	NE	3	ENE	ENE	------
16	60.81	59.61	25.4	28	NE	2	NE	2	ENE	ENE	2
17	60.41	59.15	25.4	28.8	E	3	NE	2	ENE	ENE	------
18	60.01	57.67	21.4	29	N	2	N	3	ENE	NNE	------
19	58.27	57.37	22.5	30	NW	2	W	2	NNW	NW	3.3
20	58.66	57.96	24	27.5	NW	2	N	2	N	NNE	18.8
21	59.18	57.74	23.5	30	NW	2	NNW	2	NNW	N	------
22	59.53	58.91	25	25.2	N	2	NE	2	NE	ENE	56.9
23	61.17	60.20	22	24.6	NW	2	N	2	NNW	NNE	24.7
24	59.81	59.79	25	24.5	NE	3	NE	3	ENE	ENE	16.8
25	60.84	60.39	24.8	25.6	NE	2	NE	4	ENE	ENE	7.6
26	60.73	59.69	25.4	28.5	NE	3	E	3	ENE	ENE	------
27	60.62	59.84	25.5	27.5	E	4	E	4	ENE	ENE	6.6
28	60.75	59.93	25.6	26	NE	2	NE	2	ENE	ENE	24.4
29	61.53	60.79	23.7	26.5	NE	2	NE	2	ENE	ENE	7.4
30	61.58	60.60	24.6	27.8	NE	3	E	3	ENE	ENE	6.1
31	61.10	60.15	26	26.5	NE	3	NE	3	ENE	ENE	5.3
Mean	60.24	59.24	24.3	27.5	2.4		2.6		------	------	------
Total	------	------	------	------	------		------		------	------	285.9

SUMAY, GUAM (LADRONE ISLANDS).

[$\phi = 13° 24'$ N; $\lambda = 144° 38'$ E; barometer above sea, 20.4 meters; gravity correction not applied, —1.76 mm.]

JANUARY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	61.90	58.57	24.8	27	ENE	3	ENE	6			
2	59.75	57.95	24.6	28.6	ENE	3	ENE	5			
3	61.62	59.02	24.4	28	ENE	3	ENE	5			
4	61.20	58.77	24	25	ENE	3	ENE	6			5.1
5	59.92	57.70	24.4	27	ENE	4	ENE	5			5
6	58.62	57.35	25	27	ENE	6	ENE	6			
7	59.12	57.07	25	28	ENE	3	NE	3			
8	59.22	57.70	22	27.6	Calm		NE	3			
9	59.92	58.07	23.6	27.6	ENE	2	ENE	3			
10	60.62	58.72	25	28	ENE	3	ENE	4			
11	60.65	58.68	25	28	NE	4	ENE	5			2.5
12	60.40	59	25	28	ENE	4	ENE	4			5.1
13	59.80	58.92	24.6	26	NE	4	NE	3			5.1
14	61.25	59.27	24	27	ENE	3	ENE	4			3.8
15	60.79	59.27	24	27	ENE	5	ENE	4			5.1
16	61.78	60.50	23.4	27.6	Calm		ENE	3			
17	61.97	60.18	24.4	27.2	ENE	3	E	4			
18	62.02	59.70	24.4	27.6	ENE	2	ENE	6			
19	61.40	59.40	24	27	ENE	3	ENE	5			
20	61.08	59.05	24.4	27	ENE	2	ENE	5			
21	60.67	59.17	24.4	27	ENE	2	ENE	5			2.5
22	60.55	59.42	24	27	ENE	1	ENE	5			2.5
23	62.15	60.57	24	27	ENE	3	ENE	6			
24	61.97	60.35	24	27	ENE	3	ENE	6			
25	61.38	60.10	23	26.6	E	3	ENE	5			7.6
26	62.57	60.65	23.8	26.8	ENE	3	ENE	5			1.3
27	62.50	60.30	23.4	26.2	ENE	2	ENE	5			
28	61.75	60.20	24	25.8	ENE	4	ENE	6			5.1
29	60.90	59.27	24.2	27	ENE	2	ENE	5			
30	61.05	59.78	24.4	28	ENE	1	ENE	4			
31	61.45	60.02	24.4	28	ENE	2	ENE	4			
Mean	60.97	59.18	24.2	27.2	2.8		4.7				
Total											50.7

FEBRUARY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	62.25	60.65	24	26.8	ENE	2	ENE	3			1.3
2	62.05	59.72	24	27	ENE	4	ENE	5			3.8
3	61.13	59.95	24	28.8	ENE	2	E	4			
4	61.18	59.85	23	27.4	N	2	NNW	2			2.5
5	61.77	59.80	23.4	26.8	NE	1	NE	4			1.3
6	61.92	60.07	24	26.6	ENE	3	ENE	5			
7	62.18	61.25	24	28	ENE	1	E	3			3.8
8	62.20	60.93	24.4	28	ENE	2	ENE	4			
9	61.45	59.98	24	28	ENE	1	ENE	4			
10	61.22	59.38	24	28.4	ENE	2	E	4			
11	61.45	59.20	23.8	26.6	ENE	2	ENE	5			
12	61.82	59.47	24	27	ENE	2	ENE	5			
13	60.62	58.95	24	28.6	ENE	2	ENE	4			
14	61.20	60.38	24	27.8	E	4	ENE	5			2.5
15	62.12	61.25	24	26	E	3	SE	4			
16	61.82	60.48	24.4	28	E	3	E	4			
17	61.78	59.80	24	28.6	ENE	2	ENE	5			
18	61.42	59.98	23.8	28	ENE	2	ENE	4			
19	61.78	60.38	24	28	ENE	2	ENE	3			
20	61.20	60.85	23.6	28.4	ENE	1	ENE	4			
21	62.70	61.05	24.6	27	ENE	3	ENE	4			
22	62.47	60.83	24.4	28	ENE	3	ENE	5			2.5
23	62.30	60.98	24	27	ENE	2	ENE	4			5.1
24	60.87	59.23	23.8	28.6	ENE	1	ENE	4			
25	61.35	60.05	24	28	ENE	4	ENE	5			1.3
26	60.32	58.82	24	27	ENE	4	ENE	6			2.5
27	60.77	58.32	25	27	ENE	5	ENE	7			2.5
28	60.90	58.95	24	28.4	ENE	4	ENE	6			2.5
29	60.29	59	24.4	28.2	ENE	3	ENE	4			1.3
Mean	61.54	59.98	24	27.7	2.5		4.3				
Total											32.9

MARCH.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	59.72	58.25	24	27.6	ENE	4	ENE	5			
2	60.40	59.08	24.8	28	ENE	3	ENE	5			
3	60.85	59.35	25	28.4	ENE	3	ENE	5			
4	60.45	58.90	25	28	ENE	2	ENE	5			
5	60.65	59.05	25	28.8	ENE	3	ENE	5			
6	61.75	60.93	24.6	28.6	ENE	2	ENE	5			
7	61.82	61.08	25	29	ENE	2	E	5			
8	61.70	60	24.4	27.4	ENE	4	ENE	6			
9	62.27	61.18	24.4	28	ENE	3	ENE	5			
10	62.10	60.93	24.6	27.6	ENE	3	ENE	3			
11	61.12	59.57	24.2	28.6	ENE	4	ENE	5			
12	60.50	58.40	24	29.6	ENE	3	E	3			
13	60.20	58.43	23.6	29	SE	1	ESE	3			
14	61.20	60.15	23.6	29	ENE	1	E	3			
15	61.28	59.20	24.6	29	ENE	2	ENE	4			
16	60.59	58.33	24.6	28	ENE	2	ENE	4			
17	60.22	58.88	24.8	29.4	ENE	2	ENE	4			
18	60.78	58.93	24.8	29.2	ENE	2	ENE	4			3.8
19	61.02	59.58	24.4	27.4	ENE	3	ENE	5			
20	61.38	59.83	25	29.4	ENE	3	ENE	4			
21	61.65	60.90	24.4	27.4	ENE	3	NE	4			1.3
22	62.57	60.98	24.4	27	NE	3	NE	4			
23	61.28	60.05	24.4	28	ENE	3	NE	4			2.5
24	61.18	59.93	24.6	29	NE	3	ENE	3			2.1
25	62.80	60.43	24.2	28.6	ENE	4	ENE	4			2.5
26	62.27	60.93	24.6	28.8	ENE	3	ENE	4			
27	62.78	59.98	25	28	ENE	3	ENE	6			
28	59.20	60.55	25	28	ENE	3	ENE	5			
29	61.98	60.35	25	28.6	ENE	4	ENE	6			2.5
30	61.62	59.77	24.8	27.4	ENE	3	ENE	6			1.3
31	60.40	58.77	25	28.4	ENE	3	ENE	5			
Mean	61.22	59.76	24.6	28.4	2.8		4.5				
Total											16

APRIL.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	60.10	57.83	25	29.8	ENE	3	E	4			1.3
2	60.27	58.05	25	28.2	ENE	3	ENE	6			
3	60.15	58.43	25.4	28.4	ENE	3	ENE	5			
4	60.07	58.55	25.8	28.6	ENE	5	E	6			1.3
5	61.55	59.33	25.4	29.2	E	4	ENE	6			
6	61.93	60.93	25	28.4	ENE	4	E	5			
7	61.55	60.23	25.8	29.8	ENE	3	E	4			
8	62.15	60.20	25	30.6	E	2	ENE	3			
9	62.38	60.35	23.8	29	E	3	E	5			1.3
10	63.18	61.33	25	28	ENE	3	E	4			1.3
11	63.25	61.10	25.4	28.4	ENE	3	ENE	6			2.5
12	63.65	62.30	25.4	29	ENE	3	ENE	3			
13	64.30	62.60	25.2	29	ENE	3	ENE	5			5.1
14	63.78	61.95	25	27.4	ENE	3	E	6			
15	62.15	60.42	25.4	27.6	ENE	4	ENE	6			.8
16	61.80	60.47	24	27.4	ENE	3	ENE	5			9.1
17	62.05	60.35	24.6	27	ENE	3	E	6			1.3
18	61.98	60.45	25.8	29.2	ENE	3	E	6			
19	61.58	60.60	26.2	28.6	ENE	3	E	5			3.8
20	60.90	60.03	25.4	29	E	4	E	6			1.3
21	60.47	59.63	26	29	ENE	3	E	6			
22	60.35	59.25	25.4	29	ENE	3	E	5			
23	60.42	58.75	24.8	29	ENE	4	E	4			
24	60.27	58.85	25.4	29	ENE	2	ENE	5			
25	60.85	59.65	26	30	ENE	3	ENE	4			
26	60.95	59.25	25.8	30	ENE	2	ENE	4			
27	60.83	59.20	25.6	31	ENE	3	E	4			
28	60.78	59.13	25.8	30.4	ENE	3	ENE	4			
29	60.47	58.73	25.8	30.2	ENE	3	E	4			
30	59.20	58.03	25.6	29.6	ENE	3	E	4			
Mean	61.45	59.87	25.3	29	3.1		4.9				
Total											29.1

SUMAY, GUAM (LADRONE ISLANDS).

[$\phi = 13° 24'$ N; $\lambda = 144° 38'$ E; barometer above sea, 20.4 meters; gravity correction not applied, —1.76 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	59.15	57.78	25.4	30.4	E	3	E	4			
2	60.47	58.83	26	30	ENE	3	E	5			
3	61.65	59.33	26.6	28.8	ENE	3	ENE	6			1.3
4	61.05	59.63	25.4	29.6	ENE	3	ENE	4			
5	60.98	58	25.4	30	ENE	3	ENE	4			
6	59.67	58.30	26	29.4	ENE	4	E	4			5.1
7	59.97	58.58	24.2	29	Calm		ESE	3			2.5
8	59.77	57.90	26.6	29.6	E	2	E	3			
9	59.85	58.23	26	29.8	ENE	3	E	4			
10	60.50	58.73	26.6	29	E	2	E	4			
11	61.05	59.95	26	29	ENE	3	E	4			6.4
12	60.65	59.63	25.8	30	ENE	2	ENE	3			
13	60.98	58.90	26.8	30	E	1	ESE	3			
14	59.72	59.10	26.6	30.6	E	1	ESE	3			
15	60.20	59.20	26.8	30.6	E	1	ESE	3			
16	60.38	57.90	26.2	30.6	ENE	1	E	3			
17	59.72	58.25	26	30.4	E	1	ENE	3			
18	59.55	58.03	26.2	31	E	1	ENE	3			
19	59	57.53	26.4	30.2	E	1	E	3			
20	59.67	58.35	27	31.6	E	2	E	3			
21	59.97	58.40	27	30	E	1	E	3			
22	60.20	58.55	27	30.4	ENE	3	E	3			
23	59.57	58.20	26.4	30.2	ENE	2	E	3			
24	59.67	57.80	26	29.4	Calm		NW	1			
25	59.40	57.20	26	29	Calm		N	2			
26	58.27	57.20	26.4	31.4	Calm		S	3			
27	59.07	58.08	26	31	Calm		SSW	3			5.1
28	60.85	59.48	27	32	S	1	S	1			11.4
29	61.33	58.70	27	30	Calm		E	1			11.4
30	59.65	57.93	26.6	30.2	Calm		NNW	2			2.5
31	58.98	58.05	26	28.2	Calm		ESE	2			1.3
Mean	60.03	58.44	26.2	30	1.5		3.1				
Total											16.6

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	60.07	58.63	25.4	30	Calm		E	2			
2	60.95	58.80	25.6	31	E	3	E	4			
3	59.90	58.26	25.4	31.4	E	3	ENE	3			
4	58.70	57.50	26.4	31	E	3	ENE	4			
5	58.98	57.70	27	31	ENE	2	E	3			2.5
6	59.45	57.60	26	30.4	Calm		WNW	1			5.1
7	58.72	57.60	25.8	30.4	Calm		ESE	3			3.8
8	59.05	58.16	27.4	30.6	Calm		E	3			2.5
9	60.05	58.90	27.4	30.6	E	2	E	4			
10	61.33	59.31	27.2	31.4	E	1	ESE	4			
11	60.93	58.40	27.4	30.6	ENE	2	ENE	3			
12	59.95	58.30	27.6	31	ENE	1	E	3			5.1
13	60.50	59.10	26	30.6	E	1	ESE	3			6.4
14	60.95	59.66	27	31	Calm		NW	1			
15	60.35	58.86	27.6	31	E	1	E	3			
16	59.05	58.01	27.6	31.4	Calm		ESE	2			
17	58.35	57.26	27.6	30	SE	1	WSW	1			2.5
18	58.95	57.73	26.2	29	Calm		SE	1			3.8
19	58.85	56.86	27	31.4	Calm		E	3			
20	59.08	57.06	27.6	31.4	E	1	ESE	3			
21	59.23	58.01	27.6	32.4	Calm		ENE	2			
22	59.90	58.43	27.8	32	ENE	1	E	3			
23	59.98	58.83	27.6	32	E	1	E	3			
24	58.60	57.38	28 ?	32	E	1	ENE	3			
25	58.95	57.78	27	32.2	Calm		ESE	3			
26	59.87	58.60	26.6	30.6	ENE	3	ENE	4			
27	59.08	57.83	27	28	Calm		N	3			5.1
28	58.45	58.38	27	27.2	Calm		NW	1			11.4
29	59.75	58.56	27	31	SE	1	E	3			11.4
30	59.95	58.80	26.6	31	Calm		E	3			2.5
31											
Mean	59.60	58.21	26.9	30.8	0.9		2.7				
Total											62.1

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	60	58.30	27	30.6	SE	1	ENE	3			1.3
2	59.15	58.46	27	31.4	E	2	E	4			1.3
3	59.88	58.98	27.8	31	ENE	1	E	3			
4	60	58.86	27.4	31	E	1	E	3			
5	59.78	58.73	27.6	31	ENE	1	E	3			3.8
6	58.33	57.60	27.8	31	E	1	E	3			8.9
7	58.48	57.38	26.4	31	Calm		E	3			
8	58.65	57.48	27	31	ENE	3	ENE	4			
9	58.25	57.15	28	29.6	ENE	3	ENE	4			2.5
10	58.35	57.13	27.6	31	ENE	3	E	4			
11	57.75	56.70	28	31.2	E	1	ESE	3			
12	57.75	56.63	27.8	30.6	E	2	E	4			2.5
13	58.08	57.70	26	30	Calm		ESE	4			1.3
14	58.78	58.10	26.4	31	ENE	3	E	3			15.2
15	58.07	57.70	27	30.4	ENE	4	E	4			1.3
16	58.45	57.13	27.6	31	ENE	2	E	4			2.5
17	58.45	57.46	26.6	31	Calm		E	2			1.3
18	58.05	57.30	27.6	31	ENE	1	E	3			6.4
19	58.05	57.90	27	30.2	Calm		ENE	4			5.1
20	59.05	59.40	26.4	24	S	2	SSE	1			11.5
21	59.47	58.50	25.8	28	ENE	1	ENE	3			6.4
22	59.77	57.23	25	29	ENE	1	E	3			
23	58.75	57.06	27.6	30.4	ENE	1	E	4			6.4
24	58.60	57.75	26.6	29	ENE	2	E	3			22.8
25	59.47	58.73	25	28	ESE	1	ESE	3			2.5
26	58.85	58	27.6	27	ENE	1	ENE	3			22.8
27	58.10	57.25	26	28	ENE	1	E	2			14
28	58.17	56.90	26	30.4	Calm		ESE	3			10.2
29	58.50	57.20	26	29.6	ENE	1	E	3			
30	57.45	56.70	27.6	29.8	ENE	2	ESE	4			2.5
31	57.75	56.80	26.6	29.6	ESE	1	E	3			5.1
Mean	58.65	57.68	26.9	29.9	1.4		3.2				
Total											157.6

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	58.45	57.95	25.4	26.6	S	1	SW	2			29.2
2	59.85	58.83	26	28.4	Calm		E	1			3.8
3	59.57	58.65	25.4	27	Calm		SE	2			17.7
4	58.25	57.53	25.4	29.4	Calm		NNW	1			19
5	57.55	56.90	25.6	30	E	1	ESE	3			
6	58.98	57.60	27	30	ENE	2	E	3			1.3
7	59.43	58.45	26.4	27	Calm		S	1			60.9
8	57.95	56.90	26.6	29.4	Calm		SW	3			12.7
9	57.13	56.60	25.4	24	Calm		SSW	3			29.2
10	56.35	55.80	26	28	Calm		SW	2			12.7
11	57.35	56.33	26	28.6	SSW	2	SW	4			7.6
12	57.05	56.20	25	29.6	S	3	SW	4			5
13	58.10	57.18	27	30.2	SW	3	WSW	4			
14	58.98	57.88	26.6	30	Calm		N	2			
15	57.65	56.70	27	31	Calm		NE	3			6.4
16	57.20	56.45	26	27.2	Calm		Calm			N	2.6
17	57.17	56.33	25	29	Calm		SSW	3			2.5
18	57.30	56.70	27	30.4	Calm		WSW	4			2.5
19	57.15	56.20	26	30.2	Calm		SSW	4			
20	57.68	56.80	26.6	31	Calm		SE	3			2.5
21	58.93	57.10	26	29	Calm		SW	3			1.3
22	58.05	57.03	26.6	29	Calm		SE	2			5.1
23	56.28	55.15	25	28	Calm		ENE	3			14
24	56.82	56.60	25.4	28.6	Calm		SW	4			11.5
25	57.50	56.33	25.8	29.4	W	4	W	4			5.1
26	55.40	54.52	27	28.8	WSW	5	WSW	6	W		88.9
27	54.30	52.97	26.8	27.6	WSW	6	WSW	6	W	W	57.2
28	54.57	54.05	25.6	27.6	WSW	6	SW	5	W	W	71.1
29	56.45	55.17	26.4	28.4	SW	4	SSW	5			33
30	56.17	55.25		28	SSW	5	SSW	2			14
31	56.22	54.85	25.4	29	SSW	1	SSW	3			
Mean	57.41	56.48	26	28.7	1.4		3.1				
Total											516.8

SUMAY, GUAM (LADRONE ISLANDS).

[$\phi = 13° 24'$ N; $\lambda = 144° 38'$ E; barometer above sea, 20.4 meters; gravity correction not applied, —1.76 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.					*mm.*
1	56.40	55.68	25.4	30	Calm	ESE 2			1.3
2	57.98	56.38	26	29.6	ENE 2	ESE 4			
3	58.30	56.73	26.8	30	E 4	ENE 4			
4	58.15	56.45	27	30	E 2	ENE 4			
5	56.95	55.40	27	30.6	Calm	SE 3			
6	56.50	55.90	29.8	25.2	SSE 2	SW 4			2.5
7	58.05	56.80	29	25	WSW 4	SSW 4			
8	57.95	56.93	26.8		Calm	SSW 2			50.8
9	58.10	56.38	25.4	28.4	Calm	W 1		W	
10	56.07	54.65	25.4	28	Calm	S 2		S	10.1
11	56.37	55.95	25	25	Calm	Calm			81.3
12		56.67		24		WSW 5			52.1
13	56.67	55.53	24	28.6	SSW 3	SSW 4			
14	57	55.83	25.4	29.8	ENE 6	NNE 4			12.7
15	55.35	54	27	29	NNW 6	NNW 7		NNW	88.9
16	50.80	48.97	25	28	NE 8	EbyS 9	NE	SE	11.5
17	55.78	55.93	25.4	29	SSE 4	S 4	SSE	S	29.2
18	57.50	56.48	23.4	27.6	SSE 3	S 4	SSE	S	6.3
19	58.98	57.60	26.6	30	S 1	ENE 3			
20	58.75	57.20	25.4	30	Calm	N 1			5.1
21	57.58	55.52	26	24.6	NE 5	N 5	NE	N	71.1
22	57.90	57.60	24.4	29	S 2	SE 3			1.3
23	58.85	57.13	25.4	30	Calm	E 3			
24	59.05	57.70	26.4	30	E 1	ESE 4			2.5
25	57.87	57.48	27	29.6	ENE 2	ENE 4			
26	57.85	56.30	25.4	29.6	Calm	NNE 3			
27	57.28	56.25	27.4	30	Calm	NE 2			
28	56.63	55.46	27	30	NNW 2	NNW 3			
29	55.07	53.88	27	30.6	W 2	WSW 3	W		
30	54.97	54.38	27	28.4	WSW 4	WSW 4	W	W	
31									
Mean	57.06	55.91	26.2	28.6	2.2	3.5			
Total									426.7

OCTOBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.					*mm.*
1	57	56.50	27	30	SW 4	SW 4			
2	58.28	57.13	26.4	30	SW 1	SW 3			
3	58.98	57.30	25.6	30.2	Calm	SE 3			
4	58.50	56.96	25	31	Calm	E 3			6.4
5	59.15	58.33	27	31	Calm	NE 4			
6	60.10	59.40	27	30	ENE 3	E 3			6.4
7	60.53	58.70	26.8	30.4	ENE 4	ENE 6			2.5
8	59.77	57.53	26.8	30	ENE 5	ENE 6			
9	57.45	55.05	27.2	28	ENE 5	N 5			12.7
10	56.57	55.47	25.8	28	ESE 4	ESE 5	SE		15.3
11	56.18	55.20	27	29	ENE 2	E 4			7.6
12		55.48		29.4		ENE 5			3.8
13	55.40	53.50	25.8	27	ENE 4	E 6		E	50.8
14	53.07	52.20	25.6	26	ESE 7	SSE 6	E	SE	85.1
15	54.12	54.25	25.8	26.4	S 6	SSW 6	S	SW	35.5
16	57.68	56.83	26	28.4	SSW 5	SW 4	SSW	SSW	6.4
17	58.90	58.56	26.4	30	Calm	NNW 1			1.3
18	59.08	57.05	26	28.2	ENE 1	SE 2	E		12.7
19	57.02	55.48	26	28.6	ENE 3	E 5			8.9
20	57.82	57.13	26.4	29.6	E 1	ESE 3		SE	
21	59.90	58.73	26	29	Calm	ENE 4			
22	59.30	57.05	27	28.6	ENE 1	ENE 4			
23	58.57	56.73	26	29	ENE 2	ENE 4			12.7
24	58.60	57.03	26	28.6	ENE 3	ENE 4			22.9
25	58.57	57.55	25.4	28	ESE 3	ESE 4	SE	SE	22.9
26	59.47	58.70	25	25.4	S 1	S 2			12.7
27	59.70	57.85	25.6	29	Calm	ENE 4			
28	59.70	57.93	26	28	ENE 2	E 4		E	40.6
29	60.42	58.75	23.4	25.6	ESE 4	ENE 4	E		12.8
30	59.10	58.13	26	29	ENE 4	ENE 5	E	ENE	
31	60.47	58	26.4	29	ENE 3	ENE 4	E	E	
Mean	58.31	56.92	26.1	28.7	2.6	4.1			
Total									380

NOVEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.					*mm.*
1	60.17	58.23	26.4	29	ENE 4	ENE 5	E	ENE	
2	59.17	58.05	27	29.2	ENE 4	ENE 5	E		
3	59.07	56.83	26.6	29	ENE 4	ENE 5			
4	58	56.88	26.6	29.4	ENE 1	E 3	E	E	
5	58.77	57.60	26.4	29	E 1	ENE 2			11.4
6	59.60	57.55	25.4	28	ENE 3	ENE 1	ENE	ENE	5.1
7	58.82	57.73	25.4	29	ENE 4	ENE 5	ENE	ENE	25.4
8	58.80	57.45	25	29	ENE 4	ENE 5	ENE	ENE	8.9
9	59.17	56.95	25	27.4	E 3	ENE 4		E	12.7
10	58.67	57.78	26.6	28	ESE 1	E 3			10.1
11	59.05	57.63	25.4	30	E 3	ESE 2			
12	59.40	57.33	25	29.2	Calm	NE 3		SE	
13	58	55.93	26.6	29	ENE 1	NE 4		NE	
14	57.98	56.70	26.6	29	Calm	NE 1	E	ENE	
15	59.47	57.88	26.4	29	Calm	ENE 3			
16	59.05	57.88	26.6	29	ENE 4	ENE 5			10.2
17	58.07	55.85	26	28.4	ENE 4	ENE 6			5.1
18	57.37	56.32	26	26.6	ENE 6	ENE 6			14
19	59.05	56.93	26.6	29	E 3	E 6	E	E	3.8
20	58.10	55.98	27	29.4	ENE 3	ENE 5			7.7
21	57.20	56.13	26.6	28.8	E 4	ENE 5			3.8
22	58.28	56.83	25.8	29	ESE 4	E 5		E	8.9
23	58.18	56.23	26.8	29	ENE 3	E 4	ENE		3.8
24	57.50	55.73	26.6	28.6	ENE 3	ENE 5		ENE	12.8
25	56.65	55.18	25.6	28.8	ENE 4	ENE 5		ENE	8.9
26	57.17	55.93	26	28.6	ENE 4	ENE 5	ENE	ENE	1.3
27	57.97	57	26.6	29.6	E 2	E 4		E	
28	58.25	56.83	27	29	ENE 4	ENE 4	ENE	ENE	1.3
29	57.62	56.45	26	28	ENE 4	ENE 6			1.3
30	58.40	57.03	26	28	ENE 6	ENE 6		ENE	
31									
Mean	58.43	56.89	26.2	28.8	3	4.3			
Total									156.5

DECEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.					*mm.*
1	57.27	56.30	25.8	27.4	ENE 6	ENE 7			76.2
2	58.40	57.60	23.4	25.4	ESE 8	ENE 5	ESE	E	24.1
3	59.47	57.65	26	28.8	E 2	E 4		E	
4	59.52	58.88	26.4	28.6	E 4	E 4	E	E	
5	59.02	58.23	26	28.4	ENE 3	ENE 5			3.8
6	59.77	57.53	25.8	28.4	ENE 3	ENE 4	ENE	ENE	5.1
7	59.10	57.23	25.4	29.2	E 2	E 3	E		
8	58.80	57.83	26.4	30	ENE 3	ENE 5			
9	60.27	58.40	26.4	28.2	E 1	ENE 4			
10	60.17	58.85	25.6	28.4	ENE 3	ENE 5			2.5
11	59.50	59.05	25.8	28.4	ENE 5	ENE 6			3.8
12	59.17	58.95	25	28	ENE 5	ENE 7			3.8
13	58.97	59.25	25	28	ENE 3	ENE 7			1.3
14	60.68	58.85	26	28.2	ENE 4	ENE 7			3.8
15	58.62	56.95	26	28.4	ENE 4	ENE 7			
16	53.70	51.90	26	23.4	ENE 8	ENE 10			76.2
17	57.75	57.43	26.4	29	SE 4	SE 4	SE	SE	5.1
18	60.05	58.38	25.2	28.4	E 4	E 5	E	E	
19	60.20	58.03	25	28.6	ESE 3	E 5	E	E	
20	59.12	57.30	25.8	28.8	ENE 3	ESE 4			
21	60.10	57.15	25	29	E 2	E 3			1.3
22	59.47	57.90	25	29	E 1	E 3		E	3.8
23	59.95	58.15	24.8	28.8	ENE 3	E 4			
24	59.95	58.53	25	28.6	E 3	E 4			
25	60.47	59.33	25	28.8	E 3	E 5	E		
26	59.27	58.68	25	28	ENE 3	E 4			3.8
27	60.70	58.95	25.6	28	ENE 5	ENE 7			16.5
28	61.10	59.45	24	28	ENE 4	E 5		E	7.6
29	61.50	59.95	25	28.4	E 3	E 4			3.8
30	61.65	59.93	26	28.2	ENE 3	ENE 4			
31	61.48	59.63	26	28	ENE 4	ENE 5			1.3
Mean	59.52	58.14	25.5	28.2	3.6	5			
Total									243.8

CALAPAN.[a]

[$\phi = 13°\ 25'$ N; $\lambda = 121°\ 11'$ E; barometer above sea, 7 meters; gravity correction not applied, −1.76 mm.]

JANUARY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.					*mm.*
1									
2									
3									
4									
5									
6									
7	61.91	60.85	23.5	27	Calm	Calm	NE	NE	1
8	61.75	59.52	22	27.2	Calm	NE 1	NE	NE	
9	61.34	59.58	22.4	27.4	Calm	NE 1	E	NE	
10	61.75	60.36	20.5	27.7	Calm	NE 1	NE	NE	
11	62.80	61.09	24	29.3	Calm	NE 1	NE	NE	.5
12	62.74	61.38	23.4	27.1	Calm	E 2	E	NE	1.3
13	62.80	60.92	23.2	28.5	Calm	NE 1	E	NE	8.9
14	63.44	61.74	23	29.2	Calm	NE 1	NE	NE	.3
15	63.07	62.01	22.8	29.5	Calm	Calm	NE	NE	
16	63.75	62.41	23	28.9	Calm	E 1	NE	NE	
17	63.50	62.74	24.5	29.5	Calm	NE 1	NE	NE	
18	63.72	62.39	20.8	29	Calm	NE 1	NE	NE	
19	63.91	62.93	22.6	29.9	Calm	NE 1	NE	NE	.5
20	63.89	62.61	24	30.1	E 1	Calm	NE	NE	
21	63.71	62.27	22.8	29.5	Calm	Calm	NE	NE	
22	63.19	62.12	21.5	28.2	Calm	NE 1	NE	NE	
23	62.74	61.92	20.3	28.2	Calm	Calm	NE	NE	
24	63.31	62.07	19.5	27.7	Calm	NE 1		NE	
25	62.92	62.03	20.9	27.5	Calm	NE 2	NE	NE	1.3
26	63.56	62.43	21.1	28	Calm	NE 1	E	NE	
27	64.79	63.39	23.1	29.2	Calm	NE 2	NE	NE	
28	64.63	62.54	22	29	Calm	NE 1	NE	NE	
29	64.02	62.14	21.5	28	Calm	NE 1	NE	NE	
30	63.12	62.07	19.5	28.2	Calm	NE 1	NE	NE	
31	63.20	61.49	23.8	28.5	Calm	NE 1	NE	NE	
Mean	63.18	61.80	22.2	28.5	0	0.9			
Total									[b] 13.8

FEBRUARY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.					*mm.*
1	62.89	61.38	22	28.5	Calm	NE 1	NE	NE	
2	62.91	61.62	20.8	28.4	Calm	NE 1	NE	NE	
3	62.89	61.53	24.6	28.5	Calm	NE 1	NE	NE	
4	63.14	61.64	23	28.4	Calm	NE 1	NE	NE	1.3
5	63.56	62.53	22.5	27	Calm	NE 2	NE	NE	6.1
6	64.29	62.87	22.6	29.1	Calm	NE 1	E	E	
7	64.47	62.86	22.7	30.6	Calm	NE 1	E	NE	2.3
8	64.34	62.24	20.5	29.5	Calm	NE 1	E	NE	
9	63.66	61.67	20.5	29.7	Calm	NE 1	E	NE	
10	62.74	61.25	21.8	29.2	Calm	NE 1	NE	NE	
11	61.91	61.28	24.5	28	NE 1	NE 1	E	NE	
12	62.06	60.26	22.5	29.1	Calm	E 1	E	E	
13	61.11	59.02	24.3	29.5	NE 1	NE 1	E	NE	
14	60.41	58.99	22.5	29.9	Calm	NE 1	NE	NE	
15	60.11	59.26	23.2	31	Calm	NE 1	NE	NE	
16	60.54	59.01	25.2	29.7	Calm	NE 1	NE	NE	.3
17	60.56	58.76	24.2	30.9	Calm	NE 1	NE	NE	
18	60.77	59.79	24.4	28.6	Calm	NE 1	NE	NE	9.1
19	62.33	61.88	25.2	28.5	NE 1	NE 2	NE	NE	3
20	62.88	61.60	24	28	NE 1	NE 3	NE	NE	4.3
21	62.66	61.55	23.5	27.5	Calm	E 2	NE	SE	26.2
22	62.05	60.33	25.4	28.2	Calm	E 2	SE	E	1.8
23	61.64	60.29	22.2	27.5	Calm	NE 2	NE	E	.8
24	60.91	59.33	23	28.4	Calm	E 3	SE	SE	
25	61.35	59.74	23.5	29.4	Calm	NE 1	NE	E	
26	60.80	59.69	24	29	Calm	E 1	E	E	
27	60.44	59.27	23	31.2	E 1	NE 1	SE	NE	
28	60.50	58.93	23.3	28.6	Calm	NE 2	E	NE	
29	60.16	59.20	24.8	30.5	E 1	NE 1	NE	NE	
30									
31									
Mean	62	60.61	23.2	29	0.2	1.3			
Total									55.2

MARCH.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.					*mm.*
1	60.29	59.87	24.7	30.5	E 1	NE 2	NE	NE	
2	61.69	60.87	24.5	30	Calm	NE 1	E	E	
3	62.20	60.73	23.6	29.6	Calm	NE 1	NE	ENE	
4	61.99	60.61	23.5	30.6	Calm	E 1	SE	NE	
5	61.24	60.28	22.3	30	Calm	NE 1	NE	E	
6	61.50	60.47	23.5	30	Calm	NE 2	SE	ENE	3.8
7	61.79	60.52	24	30.4	Calm	NE 1	SE	NE	
8	61.80	61.03	25	32	Calm	E 2	SE	SE	
9	62.56	61.15	24.2	30.6	Calm	NE 1	NE	NE	
10	62.29	60.47	22.8	31.2	Calm	E 1	SE	E	
11	60.54	58.99	20.8	28.3	Calm	SE 1	E	S	
12	58.90	57.49	20	31.5	Calm	E 1	ESE	NE	
13	58.87	57.75	22.3	30.9	Calm	NE 1	SE	NE	
14	59.80	58.81	22.7	32	Calm	E 2	SE	NE	
15	60.26	59.65	24.5	31.2	Calm	ESE 1	E	NE	1.8
16	60.79	59.35	23.9	31.5	Calm	E 1	NE	NE	3.8
17	61.56	59.99	21.7	30.5	Calm	E 1	NE	NE	
18	61.96	60.48	23	30.2	Calm	E 1	NE	NE	15.5
19	62.53	61.89	22	23.5	Calm	SE 1	NE	E	12.7
20	62.06	60.79	24.6	30.2	E 1	E 2	NE	NE	
21	62.53	61.27	22.6	30.5	Calm	E 1	SE	NE	
22	63.15	61.26	25.5	30.6	SE 1	E 1	SE	NE	
23	62.70	60.67	24.2	32	Calm	SE 1	E	NE	4.6
24	62.25	60.72	24	30.8	Calm	E 2	SE	NE	
25	62.93	61.15	24	31.4	Calm	E 2	SE	NE	
26	62.94	61.06	23.7	28.7	SE 1	E 2	E	NE	
27	62.29	60.91	24.3	31.5	Calm	NE 1	E	NE	.3
28	61.67	60.67	25.2	31	Calm	E 3	NE	SE	
29	61.94	61.05	24.1	30.5	Calm	E 1	SE	NE	20.8
30	61.85	60.95	25.6	31.8	NE 1	SE 1	E	NE	
31	62.13	60.57	26	30	Calm	Calm	ENE	NE	18.5
Mean	61.65	60.37	23.6	30.4	0.2	1.3			
Total									81.8

APRIL.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.					*mm.*
1	61.79	60.39	24.2	29.3	E 1	E 1	SE	NE	
2	61.78	60.37	24.2	31.2	Calm	E 1	NE	NE	
3	61.79	60.45	22.5	31.5	Calm	Calm	E	NE	
4	60.90	59.13	25.4	30.2	NE 1	E 1	E	NE	9.1
5	60.30	59	23.8	30.2	SE 1	Calm	E	NE	9.9
6	60.91	59.55	22.2	31	Calm	Calm	NE	ENE	1.8
7	61.36	60.22	22.8	30.8	Calm	E 1	NE	NE	.3
8	61.15	59.77	23.2	31	Calm	NE 1	NE	NE	
9	61.59	60.15	23.3	31	Calm	E 1	E	NE	
10	62.95	61.45	23.5	31.8	Calm	E 1	NE	NE	
11	63.06	61.67	22.7	32.4	Calm	NE 1	E	NE	
12	63.43	62.29	25.9	28.8	Calm	S 2	NE	NE	
13	63.58	62.67	24	29.7	Calm	E 1	NE	NE	10.9
14	63.49	62.27	24.5	30	Calm	E 1	NE	NE	7.3
15	62.26	60.63	24.2	29	Calm	ESE 2	NE	E	
16	61.59	60.67	24.5	30	Calm	NE 1	E	NE	
17	61.78	60.43	23.5	30.8	Calm	NE 2	E	NE	
18	61.77	60.11	24.6	30.6	Calm	NE 1	E	E	
19	61.24	59.85	21.7	30.8	Calm	NE 1	E	E	
20	60.64	59.55	24.1	32.2	Calm	SE 2	E	E	3.8
21	60.47	59.05	24.9	32.5	Calm	Calm	E	E	
22	60.92	59.15	25	31.5	Calm	E 1	E	E	.3
23	60.29	58.85	25.5	32.2	Calm	E 1	NE	NE	1.5
24	59.97	58.52	25.5	32.5	SE 1	E 2	E	NE	
25	59.83	58.78	24	31	Calm	NE 2	NE	NE	.3
26	60.61	58.85	23.5	31.2	Calm	E 1	E	E	
27	61.12	59.15	23	31.5	Calm	NE 1	NE	E	
28	60.64	58.97	27	31.5	NE 1	NE 2	E	E	20.8
29	59.64	57.75	25.8	32	Calm	ESE 2	SE	NE	1.5
30	58.37	56.80	26	31.5	Calm	E 2	SE	E	
31									
Mean	61.30	59.88	24.2	31	0.2	1.2			
Total									67.5

[a] The barometric readings of this station seem to be too high by about 0.50 mm.

[b] 25 days of observation.

CALAPAN.

[$\phi = 13°\ 25'$ N; $\lambda = 121°\ 11'$ E; barometer above sea, 7 meters; gravity correction not applied, −1.76 mm.]

MAY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.					*mm.*
1	58.52	56.76	23.5	32.2	Calm	SE 1	SE	E	-------
2	59.25	57.95	24.2	32.4	Calm	SE 1	E	E	-------
3	60.82	59.41	27.5	32.1	Calm	ESE 2	ESE	E	-------
4	61.25	59.36	24	32	Calm	E 2	E	E	-------
5	60.61	58.17	24	31.5	Calm	ESE 1	SE	E	-------
6	59.44	57.34	23.2	31.8	Calm	Calm	E	NE	-------
7	59.46	57.94	26	32	Calm	E 2	E	NE	-------
8	59.53	58.90	26.9	29	NW 2	NW 2	NW	NW	-------
9	58.88	57.22	24	32	Calm	SE 1	NE	E	59.7
10	60.48	58.96	24.4	31.6	Calm	E 1	E	NE	5.1
11	60.54	58.93	26.6	32.6	Calm	ESE 1	E	E	3
12	59.79	58.05	24.5	31	Calm	SE 2	E	E	4.1
13	59.31	57.41	23.2	31.7	Calm	NW 1	NE	NW	-------
14	58.97	57.87	23.5	32	Calm	Calm	E	WNW	-------
15	59.12	58.02	24.6	31.5	Calm	NW 1	E	SW	-------
16	59.02	57.67	25	31	Calm	NW 1	SE	NW	-------
17	58.51	57.51	24	30.8	Calm	NW 2	E	NW	-------
18	58.61	58.37	25	32.5	Calm	NE 2	-------	NE	-------
19	59.33	57.27	28.5?	32.5	Calm	NE 1	E	NE	-------
20	58.63	56.57	26.5	32.6	Calm	NE 1	E	E	-------
21	58.78	58.02	25.5	31	Calm	Calm	SE	W	-------
22	58.81	57.67	23.7	32	Calm	NW 1	E	W	-------
23	58.96	57.39	24.1	32.2	Calm	NE 1	E	SW	-------
24	58.90	56.50	25.4	33	Calm	Calm	ESE	E	2
25	58.07	55.95	24.5	32.7	Calm	NE 1	E	E	-------
26	57.36	56.29	26 ?	34	Calm	Calm	E	NE	-------
27	57.41	56.47	25.4	32.7	Calm	Calm	-------	W	-------
28	58.36	57.35	25.2	33 ?	Calm	E 1	NW	NE	-------
29	59.67	57.69	26.6	33.5	Calm	ESE 2	SE	E	-------
30	59.33	57.11	25.5	32.4	Calm	NE 2	SE	E	-------
31	58.64	57.24	27.9	31.9	NW 1	NW 2	W	NW	-------
Mean	59.17	57.66	25.1	32	0.1	1.1	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	73.9

JUNE.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.					*mm.*
1	58.83	57.34	24.7?	32.7	Calm	E 2	SE	E	-------
2	59.86	58.51	25.2	34.4	Calm	ESE 1	SE	E	26.2
3	59.98	58.01	25.9	33.4	Calm	Calm	NE	E	38.6
4	58.64	56.55	25.5	32.8	Calm	Calm	E	E	-------
5	58.39	56.77	25.5	32	Calm	N 1	E	SE	6.4
6	58.63	56.62	-----	33	Calm	NE 1	-------	E	-------
7	58.85	55.95	-----	33.1	Calm	Calm	-------	NE	-------
8	59.06	56.72	24.2	31.7	Calm	Calm	E	SW	-------
9	58.58	57.17	25.5	29.5	Calm	NW 3	SE	NW	-------
10	59.59	56.95	24.8	32.7	SE 1	Calm	NE	SE	-------
11	58.90	57.77	24.5	30.8	Calm	NE 1	E	NE	.5
12	59.27	56.96	26	32.4	Calm	SE 1	E	SE	-------
13	58.84	57.98	25	30.7	Calm	Calm	NW	SE	.3
14	59.39	57.17	25.5?	31.5	Calm	NE 1	SE	NE	-------
15	58.28	56.83	24.8	31	Calm	NE 1	NE	NE	-------
16	57.27	56.37	26.7?	31.7	Calm	Calm	NE	SE	-------
17	57.06	55.34	24.7	31.3	Calm	NW 2	-------	W	-------
18	57.26	56.14	25.8	32.5	Calm	Calm	NE	SW	-------
19	57.53	55.60	25.8?	34.2	Calm	NW 1	NE	SW	-------
20	56.71	55.75	24.8	32.5	Calm	NW 2	NW	W	-------
21	56.77	55.65	25.2	33.6	Calm	NW 1	NE	NE	5.5
22	57.77	56.30	24	31.1	Calm	NE 1	SE	NNE	-------
23	57.95	56.68	24.7	30.8	Calm	WNW 1	E	W	.3
24	57.81	56.55	24.4	32.5	Calm	Calm	E	NW	-------
25	57.98	56.30	26 ?	33.1	Calm	NE 1	E	NE	-------
26	58.13	57.22	25	33.5	Calm	NW 1	NE	W	-------
27	58.31	56.72	25	31.8	Calm	NE 1	ENE	E	-------
28	57.51	55.95	25.5	33.5	Calm	NW 1	SE	SSW	8.4
29	57.65	56.67	23.5	31.3	Calm	NW 1	NE	SW	-------
30	58.33	56.77	24	32.9	Calm	NE 1	SE	NE	-------
Mean	58.27	56.71	25.1	32.3	0	0.9	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	86.2

JULY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.					*mm.*
1	58.22	56.54	24.5	31.5	Calm	NE 2	NE	SE	-------
2	58.16	56.42	25.2	32	Calm	NE 2	NE	NE	0.3
3	58.34	57.12	24.8	30.9	Calm	Calm	E	W	2
4	59.46	57.84	24.8	28.7	Calm	Calm	SE	SE	2.8
5	59.18	57.75	23.8	31.7	Calm	NE 1	SE	E	-------
6	58.99	56.56	23	31.5	Calm	NE 2	NE	NE	.3
7	57.90	56.17	24	30.5	Calm	Calm	NE	E	45.2
8	57.66	56.65	24	30	Calm	Calm	NE	NE	18.3
9	57.11	57.22	23.5	25	Calm	Calm	NE	E	15
10	57.93	56.87	23.3	30	Calm	NE *2	NE	NE	19.6
11	58.80	57.47	24.5	30	Calm	NE 1	NE	E	-------
12	58	56.85	24	31	Calm	NE 1	NE	NE	2.3
13	57.91	56.66	24.5	31.6	Calm	Calm	SW	E	39.9
14	58.77	57.03	22.2	27.5	S 2	Calm	SE	E	9.7
15	58.72	56.89	23.7	30.8	Calm	Calm	E	NE	26.2
16	58.40	58.13	23.5	29	Calm	Calm	E	E	8.1
17	58.28	57.37	23.8	29	Calm	Calm	SE	SE	.3
18	56.90	55.38	26.5?	27.7	NW 1	NW 2	W	NE	28.7
19	54.50	54.12	23.7	27.6	Calm	NW 1	NW	NW	4.3
20	54.45	53.77	24.5	28.2	Calm	NW 1	SE	E	34.8
21	55.31	54.59	25	27	Calm	NW 1	SW	W	6.8
22	55.78	55.55	24.6	29.5	Calm	Calm	W	W	-------
23	55.92	55.80	24.5	26.9	Calm	NW 2	NW	W	5.6
24	56.55	56.09	24.1	29.2	Calm	Calm	W	W	1
25	57.45	56.76	24.7	31.5	Calm	NE 1	WNW	W	.5
26	57.81	56.66	23.8	30.6	Calm	Calm	E	NE	6.9
27	57.10	55.36	25.1	31.3	Calm	Calm	NE	NE	14
28	55.60	55.56	23.5	24.5	Calm	W 2	NE	-------	10.4
29	56.28	56.31	23.7	25.2	Calm	Calm	E	NW	18.5
30	57.42	56.87	23.5	25.5	Calm	Calm	W	NW	9.6
31	56.82	56.67	25 ?	25.1	Calm	Calm	NE	W	19.3
Mean	57.41	56.42	24.2	29	0.1	0.7	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	350.4

AUGUST.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.					*mm.*
1	54.99	54.70	23.3	28.5	Calm	Calm	WNW	W	5.6
2	56	57.26	23.8	27.6	Calm	Calm	W	W	3.9
3	57.31	56.54	23.5	30.5	Calm	Calm	NW	W	1.3
4	58.13	56.70	24.5	28.1	Calm	W 1	NW	W	-------
5	57.40	56.82	23.2	30.1	Calm	Calm	NW	SW	-------
6	58.20	57.92	23.4	30.2	Calm	NW 2	NE	WSW	-------
7	59.11	58.28	23.5	28	Calm	NW 4	SW	W	-------
8	58.29	56.87	25.1	29.5	W 1	NW 3	W	W	1.5
9	57.23	56.94	24	29.5	Calm	S 1	WNW	W	-------
10	57.61	56.50	23	28.7	Calm	NW 3	W	W	.3
11	57.23	56.62	23.3	28.5	Calm	NW 3	NW	NW	1.5
12	56.33	55.31	24.1	26.4	Calm	NW 3	W	W	10.4
13	55.26	55.27	23.8	26	Calm	Calm	W	W	25.7
14	56.26	55.14	23.2	29.5	Calm	Calm	W	NW	.8
15	58.44	56.77	26.5	29.7	NW 1	NW 1	W	NW	1.8
16	58.17	57.14	23.7	28.8	Calm	NW 3	NW	W	-------
17	57.59	56.55	23.5	29.2	Calm	NW 3	NW	W	.3
18	57.33	55.75	23.4	28.7	Calm	NW 3	NW	W	-------
19	56.71	56.44	25.2	26.6	NW 1	WNW 1	W	W	.3
20	57.61	55.77	23	29.4	Calm	NW 3	NW	W	13
21	57.18	55.99	23.6	29.6	Calm	NW 2	NW	W	2.8
22	57.63	56.61	23.5	29.5	Calm	Calm	W	W	.3
23	57.20	55.04	25.2	29.4	Calm	WNW 1	NE	NW	-------
24	57.21	56.35	23.7	29	Calm	WNW 1	NW	W	-------
25	57.11	55.62	25.1	28.2	Calm	WNW 4	W	W	4.1
26	55.35	53.71	23.5	26.7	Calm	Calm	W	WNW	16
27	53.65	52.31	23.5	26.6	Calm	Calm	W	W	3.8
28	53.39	52.63	24	26.7	Calm	Calm	NW	W	1.3
29	54.63	53.64	24.2	29.4	Calm	Calm	W	W	-------
30	55.71	54.76	25	30.8	Calm	WNW 4	W	W	-------
31	54.45	52.81	27	31.2	Calm	WNW 2	W	W	74.4
Mean	56.73	55.77	24	28.7	0.1	1.5	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	169.1

CALAPAN.

[$\phi = 13° 25'$ N; $\lambda = 121° 11'$ E; barometer above sea, 7 meters; gravity correction not applied, −1.76 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	54.51	53.76	24	25.5	Calm	Calm	W	NE	148.1
2	55.23	54.25	23.5	24	WNW 2	Calm	W	W	50.3
3	55.09	54.84	23	26	Calm	Calm	W	W	13.7
4	56	55.62	24.3	26	Calm	Calm	W	W	4.3
5	56.25	56.23	24.1	31	Calm	Calm	NNW	NW	-------
6	58.56	57.12	23.5	30.5	Calm	Calm	-------	NE	-------
7	57.81	56.52	26.6	28.5	NW 2	NW 3	NE	NNW	30.7
8	56.57	55.90	25.5	25.7	NW 2	NW 3	NE	NE	18.1
9	57.77	56.79	22.1	29	Calm	NW 1	N	W	-------
10	57.72	56.12	22.6	29	Calm	NW 4	NW	W	-------
11	57.23	55.54	23.2	29.8	Calm	NW 3	NW	W	.8
12	57	55.66	24.1	30	Calm	Calm	NE	SE	.5
13	56.39	55.44	24.9	26.7	Calm	NW 3	NW	W	.3
14	54.35	52.68	23.7	28.5	Calm	WNW 2	NW	NW	-------
15	51.61	50.02	24	29.2	Calm	NW 4	NE	NW	1.8
16	51.16	51.88	25.6	28.8	Calm	NNW 3	NW	W	9.1
17	54.60	54.55	24.3	27	Calm	Calm	NW	NW	14.3
18	56.35	54.59	24	28.8	Calm	Calm	WNW	W	.8
19	55.31	53.96	24.2	27.8	Calm	NW 3	NE	W	-------
20	55.54	54.50	23.2	29	Calm	NW 2	SE	W	.3
21	56.70	56.27	23.6	28.7	Calm	NW 4	W	W	.3
22	57.63	57.62	23.6	28.6	Calm	NW 2	E	NW	.8
23	59.76	57.87	23	29	Calm	NW 2	NE	NW	.3
24	59.48	57.59	24	30.2	Calm	Calm	E	E	4.8
25	58.53	57.21	24.4	30.2	Calm	NE 1	E	ENE	1.8
26	57.86	55.57	24.8	30.8	Calm	NNW 1	NE	W	3
27	55.68	53.73	24.2	31.3	Calm	Calm	W	W	-------
28	55.71	55.59	25.6	28	Calm	Calm	W	NW	18
29	57.05	55.47	24	28.5	Calm	Calm	W	NW	4.9
30	56.73	56.21	23.8	28	Calm	Calm	W	W	1.8
31	-------	-------	-------	-------	-------	-------	-------	-------	-------
Mean	56.34	55.30	24	28.5	0.2	1.4	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	328.8

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.08	57.09	23.7	30.2	Calm	Calm	W	W	0.3
2	59.16	58.22	23.4	30.5	Calm	Calm	SW	W	-------
3	59.89	58.72	23	29.4	Calm	NW 2	W	W	-------
4	59.25	57.49	23.5	26	Calm	Calm	W	W	17.1
5	58.57	57.42	23.6	29.1	Calm	Calm	NW	W	-------
6	58.86	57	23.2	28.3	Calm	NW 2	NW	NW	1
7	59.79	58.37	24	30.5	Calm	NW 1	W	NW	6.6
8	59.80	57.56	23.5	27.5	Calm	NNW 2	W	W	1.3
9	57.83	56.31	23.7	29.6	Calm	NW 1	W	W	1
10	56.71	55.17	23.2	29.5	Calm	Calm	NW	W	11.9
11	55.65	55.50	23.8	27.5	Calm	WNW 1	SW	W	3
12	58.61	57.05	23.8	29	Calm	Calm	W	W	.3
13	59.03	56.67	24.3	27.5	Calm	Calm	W	NW	13.2
14	57.28	56.38	24.5	27.2	Calm	Calm	NE	NE	12.5
15	57.07	55.03	23.6	28.2	Calm	Calm	NE	NE	7.6
16	56.79	54.17	25.5	25.8	NW 2	NE 2	NE	NE	77.2
17	51.86	52.36	24.5	28.5	NE 7	SE 5	E	SSE	18.1
18	59.01	58.63	24	26.7	Calm	SE 2	SE	NE	24.4
19	60.89	58.83	23.7	30.1	Calm	Calm	E	NE	1
20	60.46	57.86	24.7	28	Calm	Calm	NE	NE	15.5
21	59.80	58.70	25.5	28.5	NE 2	Calm	NE	NE	37.1
22	59.86	58.59	24.5	27.1	Calm	Calm	NE	NE	36.1
23	59.64	57.48	24.3	30.1	Calm	Calm	NE	E	-------
24	59.33	57.64	24.2	27.6	Calm	NE 1	E	NE	-------
25	58.63	57.22	21.7	30	Calm	Calm	E	NE	-------
26	57.42	55.94	23.2	28.6	Calm	NW 4	NE	SW	-------
27	57.63	57.49	22.6	31.1	Calm	Calm	E	NW	-------
28	59.91	58.51	24	29.5	Calm	NE 1	NE	NE	-------
29	59.08	58.26	23.3	30	Calm	Calm	NE	NE	36.8
30	60.26	58.73	23.4	28.2	Calm	Calm	NE	NE	6.1
31	60.76	58.92	23.3	30.2	Calm	Calm	NE	NE	-------
Mean	58.61	57.20	23.8	28.7	0.4	0.8	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	328.1

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	60.67	58.27	25	30.6	Calm	Calm	NE	NE	-------
2	59.13	57.72	26.5	27.8	NE 1	NE 1	NE	NE	1.3
3	59.59	57.74	25	29.1	Calm	NE 2	NE	NE	-------
4	59.90	58.13	22.8	30.1	Calm	NE 1	NE	NE	-------
5	60.49	59.32	23.5	29	Calm	Calm	NE	NE	3.6
6	59.27	56.02	23.5	26	Calm	NNE 4	NE	NE	9.9
7	59.27	58.57	26.7	28.5	ENE 3	ENE 3	NE	ESE	6.9
8	61.13	59.41	24.2	29.8	Calm	Calm	E	E	.3
9	60.14	58.47	24.5	28.1	Calm	NE 1	NE	NE	1.5
10	59.64	58.29	23.7	29.5	Calm	NE 2	ENE	ENE	-------
11	60.34	59.17	24.5	30.5	Calm	Calm	NE	NE	5.6
12	61.03	59.13	24.6	30	Calm	Calm	NE	NE	1.8
13	59.74	58.24	24.8	30.1	Calm	Calm	NE	NE	-------
14	59.55	58.18	24	28.1	Calm	ENE 2	NE	NE	3.3
15	60.35	58.80	24.1	28.5	Calm	ENE 1	NE	NE	.3
16	59.98	58.64	26.7?	28.6	Calm	ENE 1	NE	NE	2.3
17	59.24	57.72	25.6	28.5	ENE 1	Calm	NE	NE	8.5
18	59.99	57.32	23.7	29.1	Calm	Calm	NE	NE	.5
19	59.71	57.49	23.5	30	Calm	ENE 1	NE	E	-------
20	59.32	57.52	23	29.3	Calm	Calm	NE	NE	18
21	59.24	57.55	24	27.4	ENE 2	Calm	NE	NE	8.7
22	59.58	57.78	24	29.5	Calm	NE 1	NE	NE	.8
23	59.54	57.79	24.3	27.3	Calm	ENE 2	NE	NE	2.3
24	58.61	57.32	25	29.2	Calm	ENE 2	NE	NE	2.5
25	54.37	51.41	24.5	26.6	NW 3	NE 5	N	ENE	57.9
26	57.74	56.62	22	28.6	Calm	ENE 2	NE	SE	-------
27	59.41	58.09	22	30	Calm	NE 1	NE	NE	1
28	58.22	55.92	25.9	29.2	Calm	NE 2	NE	NE	17.8
29	55.99	55.72	25.6	24.6	ENE 5	ENE 4	E	E	49.8
30	58.41	57.82	24	25.8	S 1	NW 2	SE	S	4
31	-------	-------	-------	-------	-------	-------	-------	-------	-------
Mean	59.32	57.67	24.4	28.6	0.5	1.3	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	208.6

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	60.97	60.08	23	29.2	Calm	Calm	SE	E	-------
2	61.45	60.07	22	28.7	Calm	Calm	E	NE	-------
3	60.76	58.31	21.2	29.5	Calm	Calm	NE	NE	-------
4	59.04	56.63	22	28.7	Calm	NW 1	N	N	-------
5	57.38	56.82	21.3	28.2	Calm	NW 4	NW	NW	-------
6	59.38	58.47	21.8	28.8	Calm	NE 1	NE	NE	-------
7	61.39	60.30	24.5	27	NE 2	NE 2	E	E	-------
8	61.37	60.57	20.7	26.5	Calm	Calm	NE	NE	1.5
9	61.86	61.05	24.4	24.1	NE 1	NE 1	NE	NE	3.1
10	61.73	61.75	24.7	25.5	NE 2	NE 3	NE	NE	3.7
11	61.76	60.87	24.2	25.4	NE 2	NE 4	NE	NE	2.3?
12	-------	-------	-------	-------	-------	-------	-------	-------	-------
13	-------	-------	-------	-------	-------	-------	-------	-------	-------
14	-------	-------	-------	-------	-------	-------	-------	-------	-------
15	-------	-------	-------	-------	-------	-------	-------	-------	19.8?
16	61.53	59.24	23.2	24.5	Calm	NE 2	E	E	3
17	61.13	59.42	23.5	28	Calm	NE 1	E	NE	1
18	61.07	58.49	22	29.5	Calm	NE 1	NE	NE	-------
19	59.38	58.14	20	29.3	Calm	Calm	NE	NE	-------
20	59.46	58.52	21.7	29.2	Calm	NE 1	E	ENE	5.6
21	60.18	58.48	23.4	29	Calm	Calm	NE	NE	-------
22	60.49	59.32	22.8	28.5	Calm	ENE 1	E	NE	-------
23	61.86	61.09	23	27.6	Calm	Calm	NE	NE	5.6
24	61.36	60.40	22.7	25.5	S 1	NE 2	NE	NE	11.7
25	61.76	60.77	23.5	26.2	Calm	NE 1	NE	NE	19.6
26	62.59	60.59	23	26.7	Calm	Calm	NE	NE	2.6
27	61.94	60.26	23.7	28.3	Calm	Calm	NE	NE	16.8
28	62.29	60.11	24.1	28.6	Calm	Calm	NE	NE	4.8
29	62.09	60.90	24.5	26.5	Calm	NE 1	NE	NE	2
30	62.39	60.94	24	24.2	Calm	Calm	NE	NE	3
31	62.40	60.33	23.8	28.7	Calm	NE 1	NE	NE	2.8
Mean	61.07	59.70	22.9	27.5	0.3	1	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	[1]108.9?

[1] 27 days of observation.

This station was temporarily closed from December 12 to 15.

VIRAC.

[$\phi = 13°\ 35'$ N; $\lambda = 124°\ 14'$ E; barometer above sea, 7 meters; gravity correction not applied, —1.76 mm.]

JANUARY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.							*mm.*
1	60.51	58.94	21.5	28.8	N	1	ESE	4	E	E	3.2
2	60.51	59.69	20.5	28	WNW	1	W	4	E	E	1.3
3	61.45	60.77	23.9	28.4	ENE	2	ENE	4	E	E	1.9
4	61.61	60.72	24.5	25	E	3	E	3	E	E	33.5
5	61.06	60.16	24.4	27	ENE	4	ENE	4	E	E	17.8
6	60.60	59.44	23	30	NW	2	ESE	3	NE	NE	------
7	60.87	60.02	23.3	29.7	NNE	1	E	3	NE	NE	------
8	61.17	59.93	24.2	28.6	E	3	E	3	E	NE	------
9	60.68	59.30	21.5	29	WNW	2	ESE	3	NE	NE	.5
10	61.12	60.35	21.2	24.9	N	1	NW	2	------	NE	7.5
11	62.27	60.96	21	27.2	WNW	2	SE	4	NE	NE	18.3
12	62.05	60.91	24	27.5	E	4	E	5	E	E	8.9
13	62.65	61.45	24	28	E	4	E	4	E	E	.3
14	62.93	61.40	20	28.5	N	1	ESE	3	NE	NE	------
15	62.14	61.53	19.5	28.5	NW	1	E	2	E	NE	------
16	63.03	62.09	20.5	29.8	W	1	ESE	3	NE	NE	------
17	62.89	62.24	21.5	30.1	NNW	1	ESE	3	E	E	------
18	63.07	61.85	19.8	29.4	NNW	2	ESE	3	E	NE	------
19	63.31	62.62	20.5	29.8	NNW	1	ESE	3	NE	NE	------
20	63.08	62.14	22.5	27.1	WNW	1	E	4	NE	NE	------
21	62.85	62.13	19	30	WNW	1	E	3	NE	NE	------
22	62.58	61.47	19	30	WNW	2	ESE	3	NE	NE	------
23	61.72	61.27	19.5	27.6	NW	1	SE	3	NE	NE	------
24	62.83	62.14	21	29	WNW	2	SE	3	NE	E	------
25	62.87	61.96	19	29.7	NW	1	ESE	3	E	E	------
26	62.66	62.29	19.6	28.5	WNW	1	SE	3	E	E	3
27	63.79	62.82	20.2	29	NW	1	ESE	3	E	E	------
28	63.76	61.87	22	29.5	N	1	ENE	2	E	NE	------
29	63.15	61.58	24	28.3	SE	2	ESE	2	NE	NE	1
30	62.18	61.51	20.4	29.5	WSW	2	ESE	3	NE	NE	3.8
31	62.50	61.58	22.2	28	ENE	1	ESE	2	NE	NE	.3
Mean	62.19	61.20	21.5	28.5	1.7		3.1		------	------	------
Total	------	------	------	------	------		------		------	------	101.3

FEBRUARY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.							*mm.*
1	62.44	61.06	19	30	NNW	2	SSE	2	NE	NE	------
2	62.16	60.88	22	31.2	NW	2	SSE	2	NE	N	5.8
3	62.17	61.19	22.5	26.2	NW	2	WSW	1	N	NE	1.5
4	62.16	61.84	22	28.5	NNE	1	E	2	N	NE	21.6
5	62.92	62.76	24.5	25	E	4	E	4	E	E	1.8
6	63.91	63.05	23.5	27.1	E	4	ESE	4	E	E	.8
7	64.18	62.97	23	28.6	ENE	2	ESE	4	NE	NE	------
8	63.69	62.22	23.6	30	E	2	ESE	3	NE	NE	------
9	63.08	60.94	18.7	30	NW	1	ESE	4	E	NE	------
10	62.07	60.74	24	27.6	S	1	NNE	3	E	NE	------
11	61.21	60.71	21.5	26.7	WSW	1	ENE	3	E	E	1.4
12	61.36	59.55	21	30.2	NNW	1	ENE	3	E	NE	------
13	60.51	58.93	21.5	30.6	ENE	1	SE	3	E	NE	------
14	59.36	58.24	22	26.6	WNW	2	ESE	2	E	NE	4.5
15	59.16	58.41	22	29.5	WNW	1	ESE	3	NE	NE	.3
16	59.96	58.93	23	29.9	WNW	1	SE	3	NE	E	1.2
17	60.01	59.09	23.5	30	SE	2	SE	3	E	E	.3
18	60.22	59.09	20.5	30.5	N	1	S	2	NE	NE	4.1
19	61.22	61.06	23.7	25.6	N	1	N	2	E	NE	15.6
20	61.41	60.56	24.5	25.7	NE	3	ESE	5	NE	NE	45
21	62	61.18	23.5	24.8	E	4	E	4	E	E	23.9
22	61.58	60.27	24.5	27.8	E	2	E	3	E	E	12.5
23	61.37	60.08	24	30.4	SSE	1	ESE	3	E	E	6.1
24	60.51	59.07	24.5	29	E	3	E	3	E	E	.6
25	61.07	60.03	24.2	30	ENE	2	ESE	3	E	E	------
26	60.88	59.59	20	29.8	WNW	2	ESE	2	E	E	------
27	60.05	59.04	24.3	30.3	E	2	E	3	E	E	1.8
28	59.97	58.66	24	29.5	E	2	ESE	3	E	E	1.5
29	60.01	59.05	23	30.6	SE	2	E	3	E	E	.3
30	------	------	------	------	------		------		------	------	------
31	------	------	------	------	------		------		------	------	------
Mean	61.40	60.32	22.7	28.7	1.9		2.9		------	------	------
Total	------	------	------	------	------		------		------	------	150.6

MARCH.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.							*mm.*
1	59.70	59.79	25	31	E	2	SE	3	E	E	------
2	61.03	60.32	21	29.4	NW	2	E	3	E	E	2.3
3	61.53	61.05	25	30	E	2	E	3	E	E	.1
4	61.85	60.19	24.5	31.3	E	2	ESE	3	E	E	.4
5	60.34	59.55	21	30.9	WNW	2	ESE	3	E	E	2
6	60.84	60.51	25.2	31.4	E	3	ESE	3	E	E	.8
7	61.22	60.35	23	30.6	NNE	1	ESE	3	E	E	3.1
8	61.82	61.07	25.2	30	E	2	SE	3	E	E	1.5
9	62.61	61.60	24.2	29.6	E	2	SE	3	E	E	------
10	62.02	60.50	20	29	NNW	1	ESE	3	E	E	------
11	60.23	59.25	20.2	31.6	NNW	2	SSE	3	E	E	------
12	58.77	57.89	20.5	31.3	NNW	2	SE	2	E	E	------
13	58.67	58.25	26.5	31.5	SSE	2	SSE	3	SE	SE	------
14	60.01	59.93	22.5	30	N	1	SSE	3	E	E	------
15	60.67	60.06	21	30.4	E	1	SE	3	E	E	------
16	60.80	60.06	20.3	30.3	N	1	SE	3	E	E	1.8
17	61.71	60.01	22.3	29.4	ENE	1	ESE	3	E	E	1.3
18	61.70	60.93	19.5	31.4	NNE	1	ESE	3	E	E	------
19	61.88	61.16	20.5	25.6	N	1	ESE	3	E	E	19.6
20	61.62	60.96	24.5	29	E	2	ESE	3	E	E	4.6
21	62.15	61.54	21	31.5	E	1	ESE	3	E	E	1.3
22	62.94	61.63	25.2	31.5	E	1	ESE	3	E	E	11.9
23	62.17	61.25	25.3	30.5	E	2	ESE	3	E	E	------
24	61.82	61.03	22	30	E	1	ESE	3	E	E	------
25	62.93	61.98	23	30.3	ENE	1	SE	3	E	E	1.8
26	63.04	61.06	21.5	30	SSE	4	E	3	E	E	11.9
27	61.90	61.22	25?	28.6	ENE	2	ESE	3	E	E	------
28	61.90	60.99	25	30	E	1	SE	3	E	E	2.8
29	61.72	61.24	25.2	30.7	E	1	ESE	2	E	E	1.8
30	61.86	61.14	25.4	31.3	E	2	ESE	3	E	E	.3
31	61.17	60.62	25.6	30	ENE	2	E	3	E	E	.5
Mean	61.37	60.55	23.1	30.3	1.6		2.9		------	------	------
Total	------	------	------	------	------		------		------	------	69.8

APRIL.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).				Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.		2 p. m.		6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.							*mm.*
1	61.21	60.27	21	31.4	N	1	ESE	2	E	E	0.3
2	61.38	60.25	20.6	31.2	NNW	1	ESE	3	E	E	------
3	61.38	60.28	24	31.4	ENE	1	ESE	3	E	E	------
4	60.63	58.99	22	30.8	NNW	2	E	2	E	E	1.8
5	59.86	58.82	21	30.5	NNW	1	SE	3	E	E	------
6	59.80	59.19	22.5	29.5	NNW	1	SW	2	E	NW	.8
7	60.49	58.86	21.5	30.5	NNW	1	SW	2	N	N	------
8	60.47	59.31	23	28	N	1	WSW	2	N	N	1.3
9	60.71	59.69	22.5	30.5	NW	1	SSE	2	N	N	------
10	62.01	60.94	21.5	31.3	WNW	1	WSW	2	NE	W	------
11	62.03	60.70	22	29.8	WNW	1	WNW	3	NE	NW	38.9
12	63	62.12	24.8	30.8	ESE	1	ESE	2	E	E	3
13	63.47	62.60	25	31	E	2	ESE	3	E	E	6.9
14	63.06	61.38	25.5	30.2	ESE	3	ESE	3	E	E	3.9
15	61.70	60.52	25.8	31	E	2	E	2	E	E	4.1
16	61.16	60.69	23.5	30.3	ENE	1	SE	3	E	E	------
17	61.88	60.22	21.7	29.5	N	1	ESE	3	E	N	------
18	61.33	60.02	21	29.8	NNW	1	SE	3	E	E	------
19	60.99	59.90	26.2	30.5	ESE	2	SE	3	E	E	13.6
20	60	60.01	26.4	30.5	ESE	2	ESE	2	SE	E	------
21	60	59.34	26.5	31.7	E	2	E	2	E	E	1.5
22	60.11	59.32	26	30.5	E	2	E	3	E	E	1.2
23	59.87	58.72	26.5	31.1	E	2	ESE	2	E	E	------
24	59.90	58.82	22.7	30.5	NNE	1	SE	3	E	E	------
25	59.70	58.50	26.1?	30	ESE	2	SE	3	E	E	------
26	60.04	58.64	22	30.5	WNW	1	SE	3	E	E	------
27	60.06	59.40	25.5	31.5	NW	1	ESE	2	E	E	11.4
28	59.70	59.01	24.5	25 2	NNW	2	E	2	E	E	30
29	59.37	58	26	30.7	E	2	ESE	2	E	E	1.5
30	58.57	57.32	23.6	31.3	E	1	SSE	2	E	E	.5
31	------	------	------	------	------		------		------	------	------
Mean	60.80	59.73	23.7	30.4	1.4		2.5		------	------	------
Total	------	------	------	------	------		------		------	------	120.7

VIRAC.

[$\phi = 13°\ 35'$ N; $\lambda = 124°\ 14'$ E; barometer above sea, 7 meters; gravity correction not applied, −1.76 mm.]

MAY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.67	56.66	25	29.5	ENE 1	SSE 2	E	E	-------
2	59	58.40	23	31.5	N 1	SSE 2	E	E	2.9
3	60.71	59.68	25.7	30.3	E 1	SE 2	E	E	-------
4	60.93	59.05	22	31.3	NNW 1	SSE 3	E	N	-------
5	60.01	58.07	21.5	30.5	NNW 1	SSE 2	E	E	-------
6	59.01	57.33	23	31.4	WNW 1	SSE 2	E	N	.8
7	59.41	58.10	25.5	29.6	N 2	SSE 2	E	E	-------
8	59.31	58.27	24	30.7	SSW 1	SSE 2	E	N	-------
9	58.90	57.90	23	31.5	NNW 1	SSE 2	E	E	-------
10	59.77	59.14	22.5	31.8	NNW 1	ESE 2	E	E	7.4
11	60.81	59.66	25.8	30.3	E 2	SE 2	E	E	.3
12	60.10	58	26.4?	31.3	E 2	SSE 2	E	E	-------
13	59.31	57.62	25.2?	32.8	NNW 1	SSE 2	E	E	-------
14	58.57	57.93	27.2?	32.5	SSE 2	SSE 2	E	-------	-------
15	58.81	58.31	27.7?	32.5	SSE 3	SSE 2	SE	-------	-------
16	58.80	58.09	28	32.4	SSE 3	SSE 2	SE	SE	-------
17	58.26	57.88	28.1	33	SSE 3	SSE 2	SE	SE	-------
18	58.94	58.69	27	33.2	E 1	SSE 3	E	E	-------
19	58.98	57.66	24.5	31.2	ESE 1	ESE 2	E	E	-------
20	58.63	57	25.7	30.8	NNW 1	SSE 3	E	E	1.3
21	58.62	57.70	26.8?	31.5	N 1	SE 2	E	E	2.3
22	58.80	58.02	24.3	33	NW 1	SE 3	E	E	-------
23	58.94	57.62	26 ?	32.4	N 1	SSE 2	E	SE	-------
24	58.70	57.09	24.6	31.8	NNW 1	SSE 2	E	SE	.3
25	58.13	56.44	24.6	29	NNW 1	ESE 1	SE	W	1.3
26	57.60	56.03	24.3	32	WNW 1	SSE 3	SE	SE	-------
27	57.63	56.59	25.2	34.7	NNW 1	SSE 2	SE	SE	-------
28	58.22	57.77	27.5	34	ESE 1	SSE 2	SE	E	-------
29	59.39	58.23	25.5	33.5	NNW 1	SSE 2	E	E	-------
30	59.20	57.16	26.5	33.4	NNE 1	SE 2	E	E	-------
31	58.68	57.07	26	34.1	WNW 1	SSE 2	E	E	-------
Mean	59.06	57.84	25.2	31.9	1.3	2.1	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	16.6

JUNE.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.57	57.76	25.5	34	NNE 1	SSE 1	E	E	-------
2	60.01	58.29	24.7	33	NNW 1	SE 3	E	E	-------
3	59.36	58.70	25	33.8	NW 1	SSE 3	E	E	-------
4	58.38	56.84	26.4	33.2	ESE 1	SSE 3	E	E	-------
5	58.27	56.31	24.5	33.5	NNW 2	SSE 2	E	E	-------
6	58.88	56.80	25.2	34	NNW 1	SSE 2	E	E	-------
7	58.51	56.52	25.2	34.4	WSW 1	SSE 2	E	E	-------
8	57.97	56.62	26.5	34.5	N 1	SSE 2	E	E	12.4
9	58.37	56.47	25.2	33.8	NW 2	SSE 2	SW	E	-------
10	59.06	57.09	26	33.5	NW 2	SSE 2	E	E	-------
11	58.84	58.27	25.4	28.6	NNW 1	S 2	E	E	25
12	58.69	57.48	25.7	32.4	NNW 1	SSE 2	SW	SW	-------
13	58.68	57.45	25.5	34	WNW 1	W 2	SW	SW	5.8
14	58.93	57.44	26	32	WNW 2	SSE 2	W	W	-------
15	58.22	56.89	26	33.2	W 1	SSE 3	SW	-------	-------
16	56.90	55.47	28.5	33.4	SSE 3	SSE 2	S	S	-------
17	56.21	55.09	25.6	33.5	WNW 2	S 3	W	W	5.1
18	56.86	55.66	25.5	33	W 2	S 2	W	SW	.3
19	57.08	54.97	26.2	35	NW 1	SW 3	SW	SW	-------
20	56.93	55.17	26.6	34.6	NW 1	S 3	SW	SW	-------
21	56.62	55.68	26.2	33.2	NW 1	SSW 3	SW	SW	-------
22	57.95	56.63	26.6	33	NW 1	SE 2	S	S	19.3
23	57.93	56.88	25.7	32	E 1	SSE 2	S	-------	.3
24	58.10	56.32	26.5	32.2	NNE 1	SSE 2	SE	SE	-------
25	58.16	56.72	25.5	33	NNW 1	SSE 3	SE	SE	2.2
26	58.19	57.07	25.8	32.1	NW 1	ESE 3	SE	SE	.5
27	58.37	56.77	26.4	33	WSW 2	SE 3	SE	SE	-------
28	57.32	56.08	26.5	33.5	SSE 1	SSE 2	SE	SE	2
29	57.51	56.57	25	33.5	WNW 1	SSE 2	-------	SE	.4
30	58.19	56.99	25.2	31.5	NW 2	SE 3	E	E	-------
31	-------	-------	-------	-------	-------	-------	-------	-------	-------
Mean	58.10	56.70	25.8	33.1	1.3	2.4	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	73.3

JULY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.25	57.11	25.5	32.3	NNW 1	SE 3	E	E	-------
2	57.88	56.61	25.8	31.1	NW 1	SE 2	E	E	-------
3	58.43	56.73	25.2	30.6	W 2	S 2	-------	E	3
4	59.31	58.11	24.2	31	WNW 2	SSE 2	E	E	1.6
5	59.59	57.91	25.9	33	N 1	SSE 2	E	E	.4
6	58.36	56.77	24.8	32.5	NW 1	SE 2	E	E	5.6
7	57.62	56	24.5	30.5	NW 1	ESE 3	E	E	80.3
8	57.38	56.20	23.6	30.2	NNW 1	SE 3	SE	SE	1.5
9	56.87	56.14	24	30.7	WNW 1	SSE 1	SE	SE	3.8
10	57.94	57.38	25	30.4	NW 1	SSE 3	SE	SE	1.1
11	58.44	57.36	24.5	31	NW 1	SSE 3	E	E	-------
12	57.85	56.44	23	31.5	NW 2	ESE 3	E	E	-------
13	57.22	56.41	25	32.4	NW 2	SSE 3	E	E	2.8
14	57.51	57.06	25.6	29	NW 1	SSW 2	E	SE	3.6
15	58.47	57.11	25.5	30	ENE 1	SE 2	SE	E	8.3
16	58.14	57.32	24.5	28	NW 1	NW 2	E	NE	12.5
17	58.04	56.06	24.4	25.5	N 1	W 2	-------	NE	80.3
18	56.49	55.36	25.5?	30	SE 2	SE 3	SE	S	.3
19	55.36	54.40	25.5	30.5	NW 1	SSE 2	S	S	5.1
20	55.32	55.11	25.4	27	WNW 1	W 3	SW	SW	1.3
21	56	55.08	26.5	30	W 2	W 3	SW	SW	8
22	57.08	55.57	25	31	W 2	W 3	-------	W	-------
23	57.03	55.11	24.5	31.7	NNW 2	W 3	W	W	-------
24	57.02	55.84	24.6	32	WNW 2	W 3	W	W	-------
25	58.04	56.54	24.5	30.7	WNW 1	SSE 3	-------	W	21.3
26	58.03	57.01	24.3	27.8	NNW 1	WNW 3	E	NE	37.6
27	56.53	55.02	24	27	WNW 1	ESE 3	E	E	72.9
28	55.04	54.43	24.3	30	WNW 1	W 3	SW	SW	30.2
29	56.52	56.03	25.2	30	NW 2	W 3	SW	SW	13.2
30	57.95	57	25	27.7	NW 2	NW 3	W	W	1.5
31	57.04	56.33	26	29.4	WNW 2	SW 3	W	W	-------
Mean	57.44	56.31	24.9	30.1	1.4	2.6	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	396.2

AUGUST.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	56.06	56.04	25.7	28.5	WNW 3	W 3	W	W	-------
2	57.01	56.02	25.3	31	NNW 1	WNW 5	SW	SW	7.9
3	57.77	57.34	24.5	27.5	NW 1	W 1	-------	SW	1.8
4	58.02	56.33	24.5	31	NNW 2	W 3	SW	W	-------
5	57.88	56.40	24	31.5	NW 1	ESE 3	-------	W	1
6	58.12	57.04	24.5	31.7	WNW 1	W 3	W	W	.3
7	59.02	57.11	24.3	33	NW 1	ESE 2	W	NW	-------
8	58.12	57.01	24	29.6	NW 1	WNW 2	W	W	.3
9	57.03	56.88	24.1	28.3	WNW 1	W 2	-------	W	2
10	57.02	56.54	23.6	25.5	W 1	NW 1	W	NW	6.4
11	57	55.98	23.8	29.5	NW 1	WNW 2	W	W	2
12	56.08	55	25	30	W 2	W 3	W	W	2.8
13	55.51	55	25	29	W 1	SW 4	W	W	.5
14	56.29	56	26	27.6	WSW 3	W 4	W	W	.5
15	57.61	56.25	25	30.5	W 2	W 2	W	W	2.5
16	58.01	56.03	24.5	32.3	WNW 2	W 3	W	W	3
17	57.42	55.56	24.5	32.7	NW 1	W 2	W	W	1.3
18	56.88	56.07	24.2	28	W 1	SW 2	-------	W	.5
19	57.04	55.83	25	30.1	W 1	S 2	-------	W	.5
20	57.34	55.84	24.5	29.5	NNW 1	SE 4	SW	S	58.4
21	57.97	56.30	23.8	30.7	NW 1	S 3	-------	W	5.6
22	58.03	56.93	23.9	29.5	NW 1	SW 2	W	W	16.5
23	57.02	55.29	24.2	29	WNW 1	WSW 1	W	W	.8
24	56.99	56.12	25	29	WNW 2	SW 2	W	W	2
25	56.08	55.02	25.7	28	W 3	W 3	W	W	1
26	55.21	53.01	26	27.6	NW 2	SSW 4	W	W	5.1
27	54.05	52.95	26	28.3	W 2	W 3	W	W	5.6
28	54.06	52.89	26.6	30.3	WSW 3	WSW 5	W	W	-------
29	55.03	54	27	31.5	WSW 4	WSW 6	W	W	-------
30	55.80	54.29	27.4	30.7	W 4	W 4	W	W	-------
31	54.30	52.75	26.1	27.8	WNW 2	W 3	W	W	10.7
Mean	56.77	55.61	25	29.7	1.7	2.9	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	139

VIRAC.

[$\phi = 13° 35'$ N; $\lambda = 124° 14'$ E; barometer above sea, 7 meters; gravity correction not applied, —1.76 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		2 p. m.		Lower clouds, direction. 6 a. m.	2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	53.29	52.91	25	28.5	WNW	2	W	3	W	W	-------
2	54.99	54.13	25	27.5	WNW	1	W	3	W	W	6.6
3	55.31	55.03	25.5	29.7	WNW	1	W	3	W	W	.5
4	57.01	56.27	25.5	30.6	WNW	1	S	3	W	SW	-------
5	57.84	56.80	24.6	31	WNW	1	SSE	2	-------	SW	-------
6	58.15	56.67	24	30	W	1	W	2	-------	N	-------
7	57.01	55.07	25	31.4	NNW	1	ENE	3	NE	NE	69.1
8	56.41	56	26.6	29.6	ESE	4	SE	2	E	SE	-------
9	57.59	56.28	24.8	30.6	WNW	2	W	3	SW	W	-------
10	57.43	55.53	25	31.2	WNW	2	W	3	W	W	-------
11	56.16	54.93	25	30.5	WNW	2	WNW	3	W	W	.8
12	56.86	54.77	25	31.1	W	2	W	4	W	W	-------
13	56.02	53.60	25.6	31	W	1	W	4	W	W	-------
14	54	52.01	26.4	29	WNW	4	WNW	3	W	W	3.8
15	51.03	50.01	26.2	29.5	WNW	2	WNW	5	W	W	-------
16	52.12	52	26.7	30.8	W	2	WSW	6	W	W	-------
17	55.07	55	26.7	30.3	WNW	3	WNW	4	W	W	-------
18	56.01	54.04	25.8	34	NNW	2	SW	3	W	NW	-------
19	54.81	53	24.8	31.5	WNW	1	WNW	3	W	W	-------
20	54.48	54	25	32.5	NW	2	WSW	3	WNW	W	-------
21	56.11	55.40	25.6	31	NNW	1	WNW	2	W	W	-------
22	58.08	56.99	25	33.5	NW	1	W	2	W	W	-------
23	59.16	57.86	25	31	NW	1	SE	1	W	-------	-------
24	58.47	57.07	24.5	27	NNW	1	NW	1	NE	NE	3.6
25	58	56.09	23.5	28.7	NW	1	SW	2	NE	NE	6.4
26	56.10	53.33	24.5	28.8	NW	1	NW	4	N	NW	14
27	54.13	54.08	25.6	31	WNW	3	W	6	WNW	W	-------
28	57.01	55 79	27.6	33	SW	4	SW	3	SW	SW	-------
29	56.91	55.97	27	30	WNW	2	WNW	3	W	W	-------
30	56.76	55.21	26	33.1	WNW	1	WNW	4	W	W	-------
31											
Mean	56.08	54.86	25.4	30.6	1.8		3.1				
Total											104.8

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		2 p. m.		Lower clouds, direction. 6 a. m.	2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	58.04	56.94	26.5	32.5	NW	2	WNW	3	W	W	-------
2	59.23	57.97	24.3	34.2	NW	1	WNW	2	-------	W	-------
3	60.10	58.09	23.6	33	SE	1	WNW	2	-------	W	4.3
4	59.06	56.99	24.4	32.2	NW	1	W	3	-------	NW	-------
5	58.02	57	24	31	NW	1	SSW	2	-------	NW	7.4
6	58.10	57.05	23.4	31	NNE	1	SSW	1	E	E	4.3
7	59.05	57.02	24	31	NNW	1	NNW	2	E	N	21.6
8	58.90	57	24.2	31.1	NW	2	WNW	2	N	NW	7.9
9	58.84	56.24	23.8	31.5	NW	1	S	2	WNW	WSW	-------
10	57.86	55.94	26	32	NW	1	SSW	3	SW	SW	1.3
11	57.58	56.16	26.2	29.8	NW	1	S	3	SW	S	41.4
12	58.03	56.71	24.1	30.2	NNW	1	SE	2	E	NE	29
13	58.08	56.27	24	31.3	N	1	SSW	2	NE	NE	1.8
14	55.99	54.17	26.5	31	ENE	1	ENE	3	NE	NE	35.3
15	54.71	52.49	27.5	28.5	ENE	5	ENE	6	NE	NE	63.5
16	54.25	53	26	29.5	E	6	E	6	ENE	E.	10.4
17	57	57.01	27.6	25.1	SE	8	SSW	6	SE	SE	4.3
18	59.86	58.08	26	32.3	SE	2	SE	2	S	S	39.9
19	60.06	58.45	24	29.7	NW	1	E	2	ENE	ENE	9.1
20	59.02	57.15	25	31	SE	1	SSE	2	E	NE	8.4
21	59.04	58.88	23.5	26.8	NNW	1	SW	1	E	E	33.3
22	59.22	58.04	24	28.3	NW	1	SE	1	E	E	1.1
23	59.19	57.20	24.1	25.7	NNW	1	SSW	2	NE	NE	21.6
24	59.03	56.41	24	29.7	N	1	SE	2	NE	ENE	.3
25	57.08	55.25	24.5	26	W	2	NNW	3	N	N	14.8
26	56.10	56	24.4	30.2	WNW	3	W	3	WNW	W	-------
27	58.96	58.43	27.2	29.5	SSE	3	ESE	3	S	S	-------
28	60	58.69	23.7	30.5	E	2	SE	3	E	E	.8
29	59.10	58.04	23	29.2	NW	1	SE	3	E	E	10.4
30	59.86	58.45	24.6	28.4	ESE	2	SE	3	E	E	8.7
31	60.95	59	23.5	27.8	NW	1	NNW	1	E	NE	4.3
Mean	58.40	56.91	24.8	30	1.8		2.6				
Total											385.2

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		2 p. m.		Lower clouds, direction. 6 a. m.	2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	60	58	23.7	29.5	N	1	E	5	E	E	28.4
2	59.96	58.64	26	29.4	E	4	ESE	3	E	E	3.9
3	59.99	58.50	25.6	29	E	1	SE	3	E	E	3
4	60.03	58.04	22.7	30.9	NNW	1	ESE	3	E	ENE	.3
5	59	58	22.5	28	NNW	2	E	2	ENE	NE	16.5
6	56.25	56.89	27	28	ENE	6	E	5	NE	ENE	21.8
7	59.32	59.12	26	26.5	ESE	3	E	3	E	E	45
8	60.40	59.02	25.5	30.8	E	1	E	3	E	E	1.5
9	59.32	57.99	23.7	28.5	NE	1	SE	3	E	E	2.1
10	59.07	57.98	24	30	NNW	1	E	3	E	E	1.5
11	59.97	58.57	23.2	29.2	NW	1	E	3	E	E	23.4
12	59.95	58.31	24.5	27.7	N	2	E	2	NE	NE	6.9
13	59.09	57.98	23.7	29	NW	2	ESE	2	ENE	E	3.6
14	59	57.14	23.2	30	NNE	1	S	3	E	NE	-------
15	59.58	58	22.8	28	NW	1	W	3	E	NE	7.4
16	58.95	58.51	25	29.8	ESE	1	SE	3	E	E	2.5
17	59.13	58.02	22.2	30	NW	2	ESE	3	-------	E	-------
18	59.16	57.35	22.5	30	NNW	1	SE	3	E	E	-------
19	59.94	56.83	22	31.5	NNW	2	S	2	E	NE	-------
20	58.35	56.16	23.4	31	N	1	N	2	NE	N	-------
21	57.98	56.49	23.8	28	N	1	N	2	NE	NE	1
22	58.01	57	25.5	29.5	E	1	E	2	NE	NE	-------
23	58.22	56.33	25.1	30	ENE	2	NNE	3	NNE	NNE	.8
24	56.01	54.27	25.4	27.4	NW	2	N	6	NE	NE	77.9
25	53.09	54.98	26	-----	E	9	ESE	8	E	ESE	38.1
26	58.18	56.85	-----	29.8	NW	2	SE	3	S	-------	.5
27	58	57.01	23	29.5	NW	2	NNW	2	NE	NE	2.8
28	57	55.19	27.2	28.6	ENE	6	E	6	ENE	E	87.2
29	58.14	57.86	23.5	26.2	E	3	E	3	-------	SE	15.3
30	59.78	59	24.2	27.8	E	2	SE	3	-------	SE	3
31											
Mean	58.70	57.47	24.2	29.1	2.2		3.2				
Total											394.4

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		2 p. m.		Lower clouds, direction. 6 a. m.	2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	61.07	59.99	22.6	30.4	NNE	1	ESE	3	E	E	-------
2	61.84	60.01	21	26.5	NW	1	NE	2	E	NE	10.6
3	59.98	57	22	30	NW	1	NNW	2	NE	NE	3.3
4	56.60	53.99	23.6	24.8	WNW	1	NW	6	NNW	NW	9.1
5	59.99	56.95	23.5	28.5	WNW	3	WNW	2	WNW	WNW	2.8
6	59.76	58.49	21.8	30.3	NW	1	SE	3	NW	N	-------
7	61.03	59.99	22.5	27.6	NNW	1	ENE	2	NE	NE	-------
8	61.01	60.01	19.6	27.6	NNW	1	E	2	NE	E	-------
9	61.03	60.41	24.5	26.7	E	2	ENE	3	NE	NE	24.2
10	60.92	60.91	24.6	24.6	ENE	6	ENE	4	NE	NE	16.2
11	61.01	60	25?	29	E	3	E	3	NE	NE	8.6
12	61.26	60.04	24	29.6	NE	2	E	3	E	E	11.7
13	61.05	60.89	25.5	29.5	E	3	E	3	E	E	3.6
14	61.19	60.51	25.7	29	E	2	E	3	E	E	6.3
15	61.18	59.93	21.5	29.5	NNW	2	E	3	E	E	-------
16	61.08	59.83	23.5	30	E	2	E	3	E	E	-------
17	61.02	59.33	20.8	27	NW	2	E	2	E	E	.5
18	60.63	57.30	20.5	29.5	NW	1	ENE	2	E	NE	.3
19	58.10	57.10	24.5	28	WNW	3	WNW	3	N	N	.5
20	59	58.25	23	27.2	NW	1	SSW	2	NE	NE	2.4
21	59.10	58	22.2	30	NW	1	S	2	NE	NE	-------
22	59.90	59.02	25	27.5	S	2	ESE	2	NE	NE	3.3
23	61.05	60.07	24.6	24	NNW	3	S	2	NE	NE	76.7
24	60.26	59.96	24	26.2	ENE	3	ENE	2	NE	NE	28.2
25	61	60	24.6	26.6	ENE	3	ENE	4	NE	NE	10.6
26	61.07	60	24.6	29.5	ENE	3	E	3	NE	E	11.9
27	61	59.95	25.3	30	E	2	E	3	E	E	15.7
28	61.01	60	24.2	30	SE	2	E	3	E	E	16.3
29	62	61	24	29	ESE	2	E	3	E	E	6.8
30	62.02	60.99	23.6	29	E	3	E	3	E	E	7.3
31	61.68	59.92	26?	29.6	E	3	E	3	E	E	11.9
Mean	60.51	59.35	23.5	28.3	2.1		2.8				
Total											288.8

NUEVA CACERES.[a]

[$\phi = 13° 37'$ N; $\lambda = 123° 11'$ E; barometer above sea, 8 meters; gravity correction not applied, −1.75 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	60.88	58.62	17.8	31.7	Calm	E 3			
2	61.26	59.74	17.3	30.6	Calm	NNE 3			
3	61.47	60.85	21.5	29.4	Calm	NNE 3		NE	
4	62.02	60.69	21.3	27	Calm	E 3		NE	
5	61.55	60.26	22.8	25.6	Calm	N 2	NE	NE	1
6	61.01	59.92	23	29.5	N 2	N 3	NE	NE	
7	60.98	60.49	22.6	28	N 2	NNE 3		NE	
8	61.87	59.52	17.2	29	Calm	N 2			
9	61.32	59.13	20.6	31	Calm	WNW 2			
10	61.83	59.98	20	30	Calm	N 2			
11	62.56	61.09	21	30.4	N 1	N 2			.3
12	62.22	61.09	23	27.2	NNE 1	NNE 1	E	E	
13	62.75	61.12	20.8	28	Calm	ESE 1		E	
14	63.39	61.44	17.8	30.4	Calm	N 3			
15	63.09	61.50	18.4	29.6	Calm	N 3			
16	63.69	61.97	18.2	28.8	Calm	N 3			
17	63.61	62.52	18	29.8	N 1	N 3			
18	63.47	62.04	16.4	30	Calm	N 2			
19	64.03	62.65	19.4	30.2	Calm	N 3			
20	63.37	62.04	22.6	30	NNE 1	N 3			
21	63.26	62.15	17	29.5	Calm	SSE 1			
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Mean	62.36	60.90	19.8	29.3	0.4	2.4			
Total									[b]1.3

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22	62.25	60.31	18.9	30.2	Calm	NE 3		NE	
23	61.92	60.03	23	30.5	Calm	NNE 3			
24	61.01	59.14	22.4	29	Calm	N 1	E		
25	61.42	59.92	19	31.2	Calm	N 3			
26	61.29	59.26	18	29.8	Calm	N 2		NE	
27	60.90	59.28	18.5	29.5	Calm	NNE 3		NE	
28	60.23	58.11	19	31.4	Calm	N 2			
29	60.16	59.31	17.5	30	Calm	N 3			
30									
31									
Mean	61.15	59.42	19.5	30.2	0	2.5			
Total									

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	60.20	59.43	18.7	30.2	Calm	E 1			
2	61.41	60.53	16.4	27.2	Calm	N 3			
3	61.96	60.77	20	32.4	Calm	N 3			
4	62.21	60.56	17.4	30.9	Calm	NNE 3			
5	61.18	59.83	19	29.4	NNE 1	N 3	NE		
6	61.33	60.43	20.6	29.6	Calm	N 3			
7	61.81	60.69	19.5	30	Calm	N 3			
8	62.36	60.69	20	32.5	Calm	SE 3			
9	63.13	61.24	19.8	31.4	Calm	NE 2			
10	62.72	60.79	17	30	Calm	N 4		NE	
11	60.64	59.11	17.5	31	Calm	N 3			
12	59.07	57.39	20.2	34.8	Calm	SW 2			
13	59.14	57.97	21.4	32.8	Calm	NE 3			
14	60.32	59.03	21.4	29.9	Calm	SE 2			
15	60.95	59.53	20	32.4	Calm	N 2			
16	60.95	59.68	20	31.8	SSE 1	N 3			
17	61.98	60.02	16.8	30.5	Calm	N 4			
18	61.92	60.99	18.6	32	Calm	N 4			
19	62.50	61.37	21.4	27.7	Calm	NNE 4			1.0
20	62.20	60.93	22	28.3	Calm	N 4			
21	62.62	61.58	19	29	Calm	NNE 3			
22	63.50	61.56	20.5	30.5	Calm	NNE 3			
23	62.53	60.78	20.4	33.2	Calm	SE 2			
24	62.46	60.83	19.4	32	Calm	NNE 3			
25	63.13	61.27	20	31	Calm	E 2			
26	63.31	61.13	17.4	30.6	Calm	SE 4			
27	62.53	61.28	18.5	29.8	Calm	N 3			
28	62.11	60.51	21.5	33.3	Calm	SE 4			
29	62.10	61.43	22.8	29	Calm	NE 3			
30	62.09	60.80	23.2	33	NW 1	WNW 2			
31	61.76	61.18	22.2	30	Calm	NE 3			
Mean	61.81	60.43	19.8	30.8	0.1	2.9			
Total									1.0

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	61.75	60.77	19	27.9	Calm	NNE 2			
2	61.92	60.26	19	30	Calm	N 2			
3	62.16	60.27	19	30.5	Calm	N 2			
4	61.07	59.24	19.3	31.8	Calm	N 3			
5	60.28	58.95	20.4	32.2	Calm	NNW 3			
6	60.98	59.68	20.5	30.5	Calm	N 4			
7	61	59.74	23.5	31.2	Calm	N 3			
8	61	59.98	20.2	31	Calm	N 3			
9	61.46	60.99	21.3	31.6	Calm	NNE 4			
10	62.50	61.23	22.6	31	Calm	NNE 3			
11	62.86	61.37	20.2	31	Calm	N 4			1.1
12	63.38	61.98	24	30	Calm	WNW 1			
13	64.06	62.88	23.8	30	SSE 1	SE 2			1.8
14	63.45	61.37	25.2	30.6	S 2	SE 2			
15	62.45	60.37	20.8	34	ESE 1	ESE 1	E		
16	61.42	60.59	22.2	30.2	Calm	NE 2			.5
17	62.18	60.27	20.2	32.5	Calm	N 3			
18	62.08	59.76	19.5	32.4	Calm	NNE 2			
19	61.48	59.41	20.8	32.5	SE 1	Calm			
20	60.71	59.66	24.2	32.5	SE 2	SSW 2			
21	60.32	59.36	21.2	31.5	Calm	NNE 3			
22	60.87	58.82	21.6	31.8	Calm	N 3			
23	60.61	58.82	21	31	Calm	N 3			
24	60.31	58.31	21.5	32.9	Calm	N 3			
25	60.07	58.25	19.5	33.8	Calm	N 2			
26	60.42	58.68	19.7	32.5	Calm	N 3			
27	60.58	59.22	20	30.5	Calm	N 3			3
28	60.59	59.40	24.4	29.9	Calm	ENE 2			6.1
29	59.71	57.64	24	33.6	E 1	E 1		Variable	
30	58.92	56.79	22	34.2	Calm	N 2			
31									
Mean	61.35	59.80	21.4	31.5	0.3	2.4			
Total									12.5

[a] This station was temporarily closed from January 22 to February 21.

[b] 21 days of observation.

NUEVA CACERES.

[ϕ=13° 37′ N; λ=123° 11′ E; barometer above sea, 8 meters; gravity correction not applied, —1.75 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.97	56.77	20.6	33.3	Calm	N 2			
2	59.32	57.88	21	33.5	Calm	N 3			
3	60.99	59.44	21.2	34.5	Calm	N 2			
4	61.22	59.41	20.6	33	Calm	N 3			
5	60.53	58.11	21	32.2	Calm	ESE 1			
6	59.36	57.29	22.9	35.2	Calm	WSW 3			
7	59.81	57.74	23.8	33	SE 1	SSE 1			
8	59.68	58.23	23.4	31.2	Calm	N 2			
9	59.15	57.41	22.8	31.5	SE 1	WSW 1			
10	60.03	58.65	21.6	33.5	Calm	N 3			
11	61.06	59.57	23.2	30.5	Calm	SSE 3			0.8
12	60.18	57.92	21.7	32	Calm	N 1			1
13	59.40	57.26	23	33.2	Calm	NNE 1			
14	58.98	57.57	24	35.8	Calm	WSW 2			
15	58.95	57.72	25	36.2	S 1	WSW 3			
16	58.93	57.52	24.6	35	SSE 1	SSW 3			
17	58.85	57.22	25.4	35.9	Calm	SW 3			
18	58.96	58.22	24.6	34	ESE 1	N 3			
19	59.08	58.01	23.6	33.2	SE 1	NNE 1			
20	58.83	57.42	24.6	26	Calm	NNW 1			26.8
21	58.93	57.53	24	28.2	SE 1	Calm			
22	58.63	57.69	23	33	Calm	ENE 3			
23	59.11	57.36	24.4	35	Calm	SE 1			
24	58.63	56.94	24.8	31.4	Calm	SSE 2			40.9
25	58.35	55.66	24	33.6	Calm	N 2			
26	57.53	57	25	34.4	SSE 1	SSE 2			
27	57.55	55.94	24.8	35.2	Calm	SE 1			38.1
28	58.78	57.54	23.6	34.4	Calm	WSW 1			1.5
29	59.55	57.64	24.5	36.2	Calm	N 2			2.7
30	59.28	57.48	24.8	29.5	Calm	NNW 2			10.4
31	58.91	56.89	23.4	35.2	Calm	WSW 2			1.5
Mean	59.28	57.65	23.4	33.2	0.3	1.9			
Total									123.7

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	59.03	57.46	23	33.2	Calm	NE 1			
2	60.09	58.45	23.6	33.4	Calm	NNE 2			
3	59.66	58.33	24.6	32.6	Calm	N 1			
4	58.96	57.08	24	32.2	Calm	N 1			50.4
5	58.42	56.49	24	35	Calm	SSE 1			.1
6	58.93	56.63	24.6	33.8	S 1	SW 2			.5
7	59	56.15	24.2	33.6	Calm	NE 1			
8	58.67	56.85	25.4	32.2	Calm	SW 2			
9	58.92	56.60	24.8	35	Calm	WSW 2			
10	59.31	56.86	23.8	34.8	Calm	SSE 1			4.6
11	59.15	58.15	25	29.4	Calm	Calm			
12	59.06	57.62	24	29	Calm	ENE 1			4.4
13	59.13	58.53	24.6	31.4	SSW 1	SW 3		SW	
14	59.45	57.66	24.8	31.8	SSE 1	SSW 2			
15	58.28	56.45	24.8	33.8	SSE 1	SW 3			
16	57.13	56.30	24.8	33	S 1	SW 3			
17	56.80	55.66	25.2	33.6	SE 1	SSW 3			
18	57.50	56.30	26	33.6	Calm	SW 3	SW	SW	
19	57.58	55.75	26.4	34	SSE 1	SSW 3	S	SW	8.6
20	57.47	55.92	25	32.8	SSE 1	SW 3	SW	SW	
21	56.99	55.96	26	33.4	Calm	SSW 3		SW	
22	57.61	56.88	25.6	33.5	SE 1	SW 2			
23	58.16	56.92	25.6	34.8	ESE 1	SW 2			
24	58.51	56.03	24.3	34.4	SE 1	SSW 1			
25	58.38	56.42	24	36.3	Calm	S 1			
26	58.43	56.85	24.4	34.6	Calm	SW 2			
27	58.57	56.70	25	34	Calm	SSW 3			
28	57.79	56.21	25	33.6	SE 1	SW 3			
29	57.87	58.51	25.2	24.6	Calm	ESE 3			17.8
30	58.71	56.79	24	33.5	Calm	NW 1			12.7
31									
Mean	58.45	56.88	24.7	33	0.4	2			
Total									99.1

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.13	56.79	23	32.5	Calm	WNW 1			18.3
2	58.51	56.74	23.4	33.5	Calm	S 4			1.1
3	58.58	57.27	25	31.2	SSE 1	S 2			1.1
4	59.73	58.63	24.6	30.6	SSE 1	S 2	S	S	5.6
5	59.82	57.63	24	32	Calm	SSW 1			17.8
6	58.92	57.44	23.2	28.2	E 1	E 1			13.2
7	58.22	56.66	23.2	26.8	Calm	Calm			12.3
8	57.59	56.66	24	26.7	SE 1	SW 1			7.7
9	57.58	56.80	23.5	26.4	Calm	NNE 1			3.1
10	58.21	58.01	23.8	25.4	SE 1	ENE 1			27.4
11	58.79	57.37	23.2	31.5	Calm	ESE 1			
12	58.63	56.97	23	31.6	Calm	N 1			4.1
13	57.72	56.85	23.9	29.2	Calm	NNE 1			.1
14	58.03	57.82	24.9	28.6	SW 1	NW 2			41.4
15	58.88	57.22	23	30.8	Calm	NE 2			
16	58.88	58.05	23.8	23.6	Calm	WSW 1			6.9
17	57.98	56.85	23	27.8	Calm	N 1			117.7
18	55.91	54.69	24	26.6	Calm	ESE 2			58.9
19	55.27	53.92	24.5	29.6	S 1	S 2			11.7
20	54.85	55.31	25.2	24.4	SSE 1	Calm	SW		23.3
21	55.90	55.60	26.4	27.7	SSW 2	SSW 3	SW		28.5
22	56.92	56.34	24.4	29	SSE 1	S 2			.5
23	56.80	55.78	25.2	30.5	SE 1	SW 3	SW		4.1
24	57.06	56.56	24.4	31.8	Calm	S 2			
25	58.05	57.17	24	31	SE 1	S 1			.5
26	58.15	57.33	24.4	28.6	SE 1	E 1			12.5
27	56.42	55.50	24	25	Calm	Calm			16.7
28	55.10	54.88	24	30.6	Calm	S 1			11.9
29	56	56.72	24.8	25.8	S 2	S 1	S		19.4
30	57.20	57.53	25.8	24.8	SSE 1	Calm	S		10.3
31	56.61	56.37	25.9	29.8	S 1	S 3	SW	SW	.8
Mean	57.56	56.69	24.2	28.8	0.6	1.4			
Total									476.9

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	55.78	55.93	26	28.6	S 2	S 3	SW	SW	3
2	57.17	57.09	24.4	30.2	ESE 1	SSW 2			
3	57.88	57.44	24.8	29.5	SSE 1	S 3			11.2
4	58.32	57.22	23.8	28.4	SSE 1	S 2			
5	57.65	56.72	24	30.8	S 1	SSW 2			
6	58.05	57.70	23.9	32	ESE 1	SSW 3			10.2
7	59.19	57.76	23.8	32	SE 1	S 2			13.2
8	58.18	57.02	22.9	29	SSE 1	W 1			6.4
9	57.28	56.54	23.1	31	SE 1	NNW 1			1.5
10	57.28	56.87	23.5	24	SE 1	SE 1			37.1
11	57.02	56.18	23	30.5	Calm	SW 2			12.4
12	56.34	55.02	24.4	29.5	SW 1	SSW 3			10.2
13	55	54.57	24.8	28.2	S 1	S 3	SW	SW	2.3
14	55.68	55.67	26	29.6	SSW 2	SSW 2	SW	SW	12.7
15	57.87	56.86	25	31.5	Calm	S 2			
16	58.23	56.45	25	31.6	Calm	S 2			23.7
17	57.90	56.07	24.2	30.7	SE 1	SSW 2			
18	56.83	56.13	24.8	28.4	SE 1	SSE 1			.5
19	57.05	56.02	24	30.6	SE 1	S 2			
20	57.55	55.62	24.4	32	SE 1	S 2			7.7
21	57.22	56.77	24	30.5	SE 1	SSW 3			
22	57.91	56.79	24.4	28.4	SE 1	SSW 1	SW		20.1
23	57.22	55.49	24	30	SE 1	SSW 2			1.3
24	57.17	56.73	24.8	28.8	Calm	SSW 2			1.3
25	56.75	55.27	24.5	28.5	Calm	WNW 3			2.3
26	55.30	53.72	24.9	29	Calm	S 3			1.5
27	53.73	52.63	24.6	29.4	SE 1	SSW 3			6.7
28	53.57	52.75	26	29.8	SSW 4	SW 5	SW	SW	2.8
29	54.54	54.19	27	31	SSW 3	SSW 4	SW	SW	
30	55.85	55.38	27	30	SSW 4	SW 3	SW	SW	
31	54.62	52.84	26.6	28.5	SSW 1	SSW 3	SW	SW	6.1
Mean	56.78	55.85	24.6	29.7	1.1	2.4			
Total									194.2

NUEVA CACERES.

[$\phi = 13°\ 37'$ N; $\lambda = 123°\ 11'$ E; barometer above sea, 8 meters; gravity correction not applied, —1.75 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	53.77	53.20	25	26.5	Calm	SSW 1	SW	SW	10.5
2	54.68	54.27	24.4	26.4	S 1	SSW 1		SW	5.7
3	55.07	54.88	25.4	29	S 1	SSW 3	SW	SW	.1
4	56.30	56.03	25	32	SE 2	S 3	S	SW	
5	57.42	57.02	24.2	32.	SSE 1	S 2			
6	58.26	56.95	23.4	32.2	Calm	NNW 2			22.9
7	57.05	55.26	24.5	31.9	Calm	N 3	N	N	41.1
8	55.93	55.55	24.5	29.4	SSW 1	SSE 2		S	2.1
9	57.79	57.27	24.3	29.2	SSE 2	SSW 3	S	SW	
10	58.06	56.36	24.2	31.2	Calm	SSW 3		SW	
11	57.10	55.91	24.6	30	Calm	SSW 2		SW	.1
12	57	55.66	25	31.8	S 1	SSW 3			19.3
13	56.76	54.72	24	30	Calm	SSW 3		SW	1
14	54.47	52.65	24.6	29.7	Calm	SSW 3			
15	51.25	49.98	26.6	29.6	SSW 3	SSW 3	SW	SW	
16	51.90	52.25	27	28.8	S 2	SSW 4	SW	SW	
17	55.22	55.38	26.5	28	SSW 3	S 2	SW	SW	5.1
18	56.57	54.83	25.2	30	Calm	SSW 3	SW	SW	1.5
19	54.97	54.10	25	29.5	Calm	SSW 2			
20	55.10	54.41	24	30.2	Calm	S 2			4.6
21	56.66	56.12	25.5	31.2	S 1	SSW 3	W		
22	58.63	57.66	24.9	31.5	Calm	S 3	SW		
23	59.61	58.44	24.8	30.8	Calm	NNW 1			
24	58.96	57.60	24.5	27.2	Calm	N 1	N		47.2
25	58.16	57.35	24.5	27.5	Calm	NW 2			53.1
26	57.06	54.35	24	27.8	N 2	NNW 2		NW	22.3
27	54.58	54.12	26	29.6	SSW 3	SSW 4		SW	
28	56.60	55.98	27	30.2	S 3	SSW 4	SW	SW	2
29	57.13	56.10	26	29.5	S 3	SSW 3	SW	SW	.8
30	56.91	56.19	25.8	27.8	SSE 1	SSW 3		SW	9
31									
Mean	56.30	55.35	25	29.7	1	2.5			
Total									248.4

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.60	57.58	24.4	30	SSE 1	S 2	SW	SW	
2	59.40	58.37	24.6	32.6	SSE 1	SSW 1			
3	60.36	58.73	22.8	31.8	Calm	SSW 3			
4	59.41	57.45	23.6	27	Calm	Calm			23.5
5	58.52	57.16	24.1	27.2	Calm	N 1			2.7
6	58.64	57.32	22.6	28.6	Calm	NNE 2			52.6
7	59.46	58.08	22.8	28.2	Calm	NNW 2		N	20.1
8	59.50	57.48	23	30.5	Calm	SSW 3			4.1
9	57.98	56.68	23	30.2	SSE 2	SSW 3		SW	.4
10	57.50	55.82	24.5	29	SSE 1	S 3	SW		44.9
11	56.86	55.48	24.4	28	SSE 2	SSE 1			23.9
12	57.96		24.1		Calm				48.2
13	58.49	56.73	23.7	29.5	Calm	N 3			3.3
14	56.21	55.09	24.5	30.5	Calm	N 3			28.6
15	55.98	53.26	24.4	27.4	N 1	NNE 4			67.1
16	54.56	52.76	25	26.5	NE 1	N 2			68.5
17	55.46	56.09	25	28	SE 2	SSE 4	SE	S	7.4
18	59.61	58.39	23.4	32	Calm	SSW 1			
19	60.51	58.45	24	30.3	Calm	N 3	S	N	
20	59.46	57.37	23.2	30	N 1	NNW 3			
21	59.39	58.60	23.5	28	SE 1	NNE 2		N	1.8
22	59.39	58.03	23.7	29	Calm	N 2	E		
23	59.13	57.14	23.2	29.6	Calm	N 2			3.5
24	58.57	57.05	23.2	29.8	Calm	NNE 2			11.7
25	57.56	56.63	24.4	28.2	Calm	N 3		N	12.9
26	56.46	55.92	23.5	29.2	Calm	SSW 3	NW		
27	58.44	58.08	24.3	31.8	SSE 1	S 3			
28	60.05	58.64	22.8	31.5	Calm	N 2			
29	59.30	58.35	22	28	Calm	N 1			2.6
30	59.54	58.44	23.8	28	Calm	NNW 1			8.9
31	60.55	59.16	23.6	30	Calm	NNW 2		N	.3
Mean	58.48	57.14	23.7	29.3	0.5	2.2			
Total									437

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.98	57.65	25.2	29.9	Calm	NNE 3	N	NE	5.8
2	59.12	57.82	24.4	31.5	Calm	SE 2			1.4
3	60.15	58.27	22.6	28.6	Calm	SW 2			18.2
4	59.94	58.01	22.2	31	Calm	N 3			
5	59.69	58.76	22.4	27.5	Calm	NNE 2			14.8
6	57.92	56.30	24.5	29.4	NNE 3	WSW 2			19.3
7	59.64	58.88	24.4	26	Calm	Calm			15.8
8	60.96	59.03	21	28.9	Calm	N 2			
9	59.85	58.13	21	28.8	Calm	NE 1			.1
10	59.34	58.24	21.4	27	Calm	NNE 2			
11	59.98	58.75	21	30	Calm	NE 3			
12	60.03	58.41	25.2	30.8	N 2	N 3			
13	59.34	58.40	23	27.4	Calm	SW 1			13.2
14	59.37	57.84	21.1	29	Calm	N 2			
15	59.98	58.14	21.6	30.7	Calm	NNW 2			
16	59.35	58.45	24.5	27.7	N 2	SSE 1			7.4
17	59.17	57.80	23.2	29.8	Calm	N 3			
18	59.51	57.39	22	30.5	Calm	NNW 1			
19	59.50	57.40	21	30.2	Calm	N 3			.5
20	58.57	57.18	24	29	N 1	N 2	N	N	27.9
21	58.16	57.01	23.2	25	Calm	NNE 3		NE	39.9
22	58.48	57.60	24	26.8	N 1	NNE 2			.3
23	58.88	57.35	23.4	29	N 2	N 3		N	2
24	57.04	55.71	25.2	27.2	N 2	N 4	N	N	85.9
25	52.84	53.63	24.4	29	ENE 3	SE 3	E		4.5
26	58.42	56.98	22	31.4	SSE 1	S 1			
27	59.76	57.90	22.4	30.2	Calm	N 2			4.8
28	56.80	55.45	26	28.5	N 3	NNE 3	NE	NE	33.3
29	57.08	57.57	23.6	26.5	SE 2	Calm			3.3
30	58.98	58.38	23.6	29.6	Calm	S 2			
31									
Mean	58.93	57.61	23.1	28.9	0.7	2.1			
Total									298.4

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	61.25	59.55	23	30	Calm	S 2			
2	61.68	60.04	21.6	29.8	Calm	N 2			
3	59.82	57.53	23.8	29.5	N 1	NNE 3			0.8
4	57.74	55.93	22.5	26.6	Calm	WNW 2			
5	57.09	56.96	24	30.6	Calm	SSW 2			
6	59.56	59	22.2	29	Calm	N 3		N	
7	61.17	60.15	23	27.2	N 1	NNE 3	N		
8	60.95	59.79	20.8	28.3	Calm	N 3		N	.9
9	61.11	60.46	22.5	25	N 2	NNE 2			10.1
10	61.29	61.26	23.6	24	NNE 2	NNE 3	NE		19.6
11	61.25	60.45	23.2	28	N 1	N 1	NE	NE	1
12	61.47	60.63	23.4	28.6	NNE 1	N 1	NE	NE	
13	61.66	60.63	24	27.8	N 2	NNE 1	NE	NE	21.2
14	62	60.76	23.2	22.4	N 1	WNW 1	NE		16.2
15	61.50	60.09	20.6	30.5	Calm	N 2		NE	
16	61.30	59.75	19.8	29.6	Calm	N 3			
17	61.02	59.49	19.5	29.4	Calm	NNW 3			14.5
18	60.54	58.34	18.5	28.6	Calm	NNE 3		NE	
19	58.70	57.71	21	28.6	Calm	N 3		N	7.1
20	59.07	58.31	24.2	27.4	N 1	N 3	N	N	2.8
21	59.64	58.18	23.4	29	NNE 1	N 3		N	
22	60.12	59.25	23.5	27.8	NNE 1	NNE 3		N	.1
23	61.37	60.48	23.4	25.6	N 1	N 3		N	3.8
24	60.67	59.70	23	27	N 1	N 3	N	N	28
25	60.90	60.45	23.5	27.2	N 1	N 3	N	NE	27.9
26	61.50	59.39	23	29.5	N 1	E 3	ENE	E	.5
27	61.13	59.97	22	31	Calm	ESE 1			22.3
28	61.62	60.27	22.6	28.2	Calm	N 2			
29	61.77	60.83	23	28	SSE 1	NNW 1			2.3
30	62.06	61.09	20.8	29	Calm	WNW 2			1.1
31	61.78	60.07	23.5	28	NNE 1	N 3			18.8
Mean	60.73	59.56	22.5	28.1	0.6	2.4			
Total									199

BATANGAS.

[$\phi = 13°\ 45'$ N; $\lambda = 121°\ 03'$ E; barometer above sea, 4 meters; gravity correction not applied, −1.75 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	60.69	58.60	21.4	32.3	Calm		E	2	E	E	-------
2	61.22	59.50	22.8	30.2	Calm		ENE	2	NE	NE	-------
3	61.53	60.40	23	29.4	ENE	1	ENE	3	E	NE	-------
4	61.83	60.08	23	31.8	ENE	1	E	3	ENE	ENE	6.9
5	61.38	60.32	23.4	26.2	ENE	2	E	2	ENE	NE	5.3
6	60.94	59.49	23	31.1	E	1	E	3	ENE	E	2
7	61.27	59.96	22.4	29.8	Calm		ENE	3	ENE	ENE	-------
8	61.39	58.60	22.8	31.2	ENE	1	E	3	ENE	E	-------
9	61.14	59.18	22	29.8	Calm		W	1	SE	SE	-------
10	61.58	60.05	20	28.8	Calm		ESE	2	E	E	.5
11	62.74	60.35	23.2	29.2	Calm		ESE	1	NE	ENE	6.1
12	62.21	60.72	23	28.4	Calm		ENE	2	E	E	-------
13	62.24	60.44	22.7	31.5	E	1	E	2	E	ENE	-------
14	62.97	60.83	21.8	30.6	E	1	E	2	E	E	-------
15	62.79	60.90	20.5	32	E	1	E	3	ENE	ENE	-------
16	63.42	61.59	21.8	32.4	ENE	1	E	2	E	E	-------
17	63.37	61.95	22.2	31.7	E	1	E	2	E	ENE	-------
18	63.24	61.51	20.6	30.4	Calm		ENE	2	ENE	NE	-------
19	63.87	62.05	21.7	31	Calm		ENE	2	NE	NE	-------
20	63.49	61.78	22.4	32	Calm		E	2	NE	ENE	-------
21	63.19	61.51	20.8	29	ENE	1	SE	2	E	NE	.5
22	63.19	61.30	19.4	29.8	Calm		SE	3	E	ENE	-------
23	62.91	61.20	19.2	31.4	ENE	1	ESE	3	ENE	E	-------
24	63.10	61.43	19.6	31.8	Calm		E	2	E	SE	-------
25	62.69	61.21	20.4	32.8	Calm		ESE	3	E	E	-------
26	63.06	61.86	19.4	32.7	ENE	1	E	2	E	E	-------
27	64.45	62.97	20.8	32.8	Calm		W	2	E	NE	-------
28	64.54	62.48	22.4	30.3	NE	1	NE	2	NE	NE	-------
29	63.96	61.66	19	29.4	ENE	1	WSW	2	ENE	NE	-------
30	63.14	61.35	19.4	26	NE	1	W	1	ENE	E	5.8
31	63.04	61.55	22.4	28.3	Calm		S	2	ENE	NE	-------
Mean	62.60	60.87	21.5	30.5	0.5		2.2		-------	-------	-------
Total	------	------	------	------	----------		----------		-------	-------	27.1

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	63	60.86	21.3	31.2	Calm		SW	2	ENE	N	-------
2	62.94	61.14	20.4	30.3	Calm		SW	2	-------	ENE	-------
3	62.99	61.52	21.4	29.4	NE	1	NE	2	NE	E	-------
4	63.01	61.29	19.4	31	Calm		SW	2	E	E	-------
5	63.52	62.20	22	28.1	NE	1	E	2	E	E	-------
6	64.04	62.59	23.2	30.2	NE	1	E	1	NE	E	-------
7	64.08	62.25	21	29.6	Calm		E	2	E	NE	-------
8	64.04	61.60	20.1	32.4	E	1	ESE	3	E	NE	-------
9	63.62	60.58	19.4	33.9	ENE	1	E	2	E	E	-------
10	62.28	60.57	21.2	28.4	Calm		SE	2	E	NE	-------
11	61.62	60.46	21.8	29	E	1	ENE	1	E	E	-------
12	61.80	59.33	20.4	33	Calm		E	3	E	E	-------
13	61.01	58.34	23.4	33.4	ENE	1	E	2	E	E	-------
14	60.18	58.05	20.4	33.2	ENE	1	SE	2	E	E	-------
15	59.95	58.13	22.4	33.3	E	1	E	2	E	E	-------
16	60.13	58.11	24.4	33.3	ENE	1	SE	2	E	E	-------
17	60.24	58.43	23.4	33	E	1	SW	2	E	E	-------
18	60.16	59.75	23.6	30	Calm		ENE	2	E	E	-------
19	61.92	60.85	23.4	31.3	Calm		E	2	E	E	-------
20	61.92	60.70	22.4	29.4	ENE	1	ENE	3	ENE	ENE	-------
21	61.72	60.98	23.4	31.8	ENE	2	E	3	ENE	E	0.5
22	61.74	60.31	22.4	33.3	ENE	1	SSE	3	E	E	-------
23	61.62	59.69	22.8	32.3	Calm		E	3	E	ENE	-------
24	60.24	58.48	24.8	32.4	E	1	E	3	E	E	-------
25	61.04	59.44	23	33.8	ENE	1	E	2	E	E	-------
26	60.56	59.05	22.4	33.6	Calm		E	2	E	E	-------
27	60.06	58.17	23.8	32.8	E	1	E	3	E	E	-------
28	60.52	58.05	23.4	33.8	Calm		E	3	E	E	-------
29	59.96	58.27	24	34.5	E	1	E	3	E	E	-------
Mean	61.72	59.97	22.2	31.8	0.7		2.3		-------	-------	-------
Total	------	------	------	------	----------		----------		-------	-------	0.5

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	60.13	59.44	22	32	ENE	1	E	2	E	E	-------
2	61.64	60.02	21.4	32.3	E	1	ENE	2	E	E	-------
3	61.84	60.25	22.8	34.6	Calm		ESE	3	E	E	-------
4	61.66	60.02	22.8	32.3	ENE	1	E	2	E	ENE	-------
5	61.28	59.24	20.6	32.9	Calm		SE	3	E	E	-------
6	61.17	59.83	23.7	34.5	ENE	1	E	3	E	E	-------
7	61.20	59.71	24.3	35	Calm		E	2	E	E	-------
8	61.48	60.58	24.4	33.4	Calm		ESE	3	-------	E	-------
9	62.73	60.52	24.3	32.8	Calm		SE	3	E	NE	-------
10	62.14	59.79	22.5	33	E	1	E	3	E	E	-------
11	60.89	58.39	21.6	33.3	ENE	1	S	3	E	N	-------
12	59.56	58.28	22	32.6	Calm		SSW	3	-------	W	-------
13	58.74	57.51	21.4	33.8	Calm		S	2	E	N	-------
14	59.94	57.97	23.5	34.8	Calm		SE	3	E	E	-------
15	59.79	58.84	24.4	34.3	E	1	SE	3	E	E	-------
16	60.20	59.05	23.4	30.5	Calm		ESE	2	NE	NE	-------
17	61.48	59.35	21.8	35.8	Calm		ENE	2	ENE	E	-------
18	61.77	60.03	22.4	33.3	ENE	1	E	2	-------	E	0.3
19	62.64	60.95	22.4	34.8	ENE	1	ENE	3	NE	NE	.3
20	61.82	60.08	24.4	32.6	ENE	1	SE	3	NE	E	-------
21	62.04	61.04	23.8	36	ENE	1	E	2	E	E	-------
22	62.81	60.73	24	34.8	Calm		E	2	-------	E	.3
23	62.42	60.29	25.4	34.8	E	1	SE	3	E	E	-------
24	61.88	60.28	23.8	34.4	Calm		SE	3	E	E	-------
25	62.72	60.59	24	34	ENE	1	E	3	-------	E	-------
26	62.72	60.05	22.5	33.4	Calm		E	3	E	E	-------
27	62.02	60.38	24.4	35.4	Calm		ESE	3	-------	E	-------
28	62.52	60.03	23.4	34	Calm		E	3	E	E	-------
29	61.37	60.13	24.3	35.3	ENE	1	E	2	E	E	-------
30	61.83	60.23	25	34.4	E	1	E	2	E	E	-------
31	61.71	59.88	25	33.8	E	1	E	2	E	E	-------
Mean	61.49	59.79	23.3	33.8	0.5		2.6		-------	-------	-------
Total	------	------	------	------	----------		----------		-------	-------	0.9

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	61.54	59.75	23	34.5	E	1	E	2	NE	E	-------
2	61.51	59.48	22.8	33.4	Calm		SE	3	E	E	-------
3	61.69	59.51	22.3	31.6	E	1	ESE	2	E	E	-------
4	60.88	58.82	24.2	33.2	E	1	E	2	E	E	-------
5	60.42	58.90	24	36.6	Calm		E	1	E	E	-------
6	60.66	59.32	22.4	33.5	Calm		S	2	E	ENE	-------
7	61.09	59.19	21.6	33.2	Calm		SE	2	E	E	-------
8	60.96	59.29	24.8	32.4	Calm		E	2	E	NE	-------
9	61.27	59.38	21.4	34.3	Calm		S	2	E	E	-------
10	62.42	60.38	23.3	35.3	Calm		E	2	E	NE	-------
11	62.83	60.77	23.4	35.2	Calm		E	1	NE	NE	-------
12	62.93	61.25	24.4	30.5	Calm		E	4	E	NE	-------
13	63.38	61.97	25.4	34.6	Calm		ENE	2	SE	E	-------
14	63.20	61.61	25.4	31.7	Calm		E	3	E	E	-------
15	62.07	59.57	23.3	32.2	NE	1	SE	2	NE	E	-------
16	61.61	59.47	23.4	33.8	Calm		ESE	3	E	E	-------
17	61.37	59.40	23.5	34.3	Calm		SE	2	E	E	-------
18	61.51	59.16	23.4	34.7	Calm		NW	2	NE	NE	-------
19	61.03	58.76	23.3	35.6	Calm		SE	3	ENE	E	-------
20	60.32	59	24.8	34.3	Calm		ESE	3	E	E	-------
21	60.30	58.57	25	36.5	Calm		SE	2	ENE	E	-------
22	60.24	57.97	25.5	35.8	Calm		SE	2	E	E	-------
23	59.70	58.28	25.5	35.4	E	1	SE	2	E	E	-------
24	59.59	57.64	25.8	36.3	ENE	1	E	2	E	E	-------
25	59.77	58.03	24.2	34.8	E	1	SE	2	E	E	-------
26	59.95	57.73	24	31.6	E	1	SE	3	-------	E	-------
27	60.72	58.36	22.8	37	Calm		ESE	2	-------	E	-------
28	60.20	58.24	26.5	34.4	ENE	1	ESE	2	E	ESE	-------
29	59.59	57.23	26.8	35.4	E	1	SE	3	E	E	-------
30	58.25	56.03	26.8	36	E	1	SE	2	E	E	-------
31	------	------	------	------	----------		----------		-------	-------	-------
Mean	61.03	59.10	24.1	34.3	0.4		2.2		-------	-------	-------
Total	------	------	------	------	----------		----------		-------	-------	0

BATANGAS.

[$\phi = 13° 45'$ N; $\lambda = 121° 03'$ E; barometer above sea, 4 meters; gravity correction not applied, —1.75 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58.08	56.37	24.8	36	Calm		SE	2	E	NE	-------
2	58.57	56.83	26.3	35.3	Calm		ESE	3	NE	NE	-------
3	60.41	58.54	26.4	36.3	E	1	SE	3	NE	NE	-------
4	61.02	58.76	24.8	34.4	ENE	1	SE	2	NE	NE	-------
5	60.05	58.16	23.7	36.8	Calm		SSE	3	NE	NE	-------
6	58.91	57.41	24.3	32.8	Calm		S	2	-------	SW	-------
7	59.02	57.80	25.4	33.3	Calm		SW	2	-------	NE	10.4
8	59.90	58.80	24.6	30.6	Calm		NW	2	W	E	-------
9	58.44	57.02	24.4	31.6	Calm		E	1	-------	E	.5
10	59.85	58.08	24.3	35.4	ENE	1	E	1	E	E	-------
11	60.41	58.41	24	35.3	Calm		ESE	2	-------	E	-------
12	59.45	57.31	25.6	36.8	Calm		ESE	2	E	E	-------
13	58.95	57.35	24.4	33.8	Calm		S	3	E	E	-------
14	58.56	58.38	24.8	35.1	Calm		SSW	2	-------	E	-------
15	58.89	57.85	24.8	33.7	Calm		WSW	3	-------	W	-------
16	58.39	57.53	25.2	34.3	Calm		W	3	-------	E	-------
17	58.41	57.81	24.4	34.8	Calm		WSW	2	-------	WSW	-------
18	58.34	57.95	24.7	37.3	Calm		WSW	2	-------	ENE	-------
19	58.87	57.16	24.8	37.4	Calm		SSW	1	E	ENE	-------
20	58.16	56.63	26.4	31.3	Calm		N	1	E	E	-------
21	58.69	57.65	26	31.4	Calm		S	2	E	W	-------
22	58.14	57.23	24.8	32.8	Calm		SSW	2	W	W	-------
23	58.29	57.32	25.5	35.2	Calm		SW	2	-------	W	-------
24	58.12	56.55	26	31.4	Calm		SSW	2	E	E	2
25	57.70	55.64	25.4	32.6	Calm		SW	2	-------	E	.5
26	56.82	56.33	25.3	31.6	Calm		SW	2	-------	W	-------
27	56.99	56.21	25.4	35.6	ENE	1	WNW	3	-------	-------	-------
28	58.37	57.19	26.4	34	Calm		WNW	3	W	E	-------
29	59.30	57.86	25.4	34.8	Calm		WSW	2	E	E	-------
30	58.89	56.74	25.8	35.6	Calm		SW	2	E	E	.8
31	58.68	57.11	25.3	32.3	Calm		WSW	2	E	W	-------
Mean	58.80	57.42	25.1	34.2	0.1		2.1		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	14.2

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58.39	57.29	25	33.8	Calm		SE	2	-------	E	-------
2	59.52	58.01	26.2	35.6	Calm		NW	3	-------	E	-------
3	59.27	57.66	26	35.3	Calm		SW	2	E	E	-------
4	58.08	56.46	26.4	35	Calm		WSW	2	E	NE	-------
5	57.89	56.80	26.4	31	Calm		WSW	2	W	E	-------
6	58.07	55.71	24.8	35.3	Calm		SW	2	E	E	0.5
7	58.38	55.83	25.2	33.3	Calm		SW	3	-------	W	34
8	57.72	56.90	25.4	30.6	Calm		NNW	2	-------	E	-------
9	58.02	57.04	25	32.3	Calm		W	3	W	E	5.8
10	58.99	56.94	24.4	33.4	Calm		WSW	2	W	E	-------
11	58.64	57.59	25.3	32	Calm		S	2	-------	E	.8
12	59.08	56.23	25.5	34.8	Calm		SE	3	E	ENE	-------
13	58.53	57.55	26	29.2	Calm		SW	1	W	W	-------
14	58.98	56.94	24.8	34.4	Calm		SW	2	SW	W	5.1
15	57.30	56.53	24	32.3	Calm		SSW	2	E	E	-------
16	56.89	55.93	25.3	33.3	Calm		NW	2	-------	W	.3
17	56.72	55.87	25.2	34.7	Calm		NW	3	-------	W	-------
18	56.82	56.11	26.2	35.3	Calm		NW	3	-------	W	-------
19	57.28	55.84	26.3	34.4	Calm		NW	3	W	W	-------
20	56.60	55.59	27.4	34.4	NW	3	NNW	3	W	W	-------
21	56.69	55.92	26.4	35.2	Calm		SW	3	-------	W	-------
22	57.04	56.67	24.4	33	Calm		SSW	3	-------	E	-------
23	57.75	56.76	25.4	33.3	Calm		WSW	3	-------	SW	-------
24	57.43	56.52	25	34.5	Calm		SW	2	SE	E	-------
25	57.85	56.02	25.4	33.8	Calm		SW	2	W	E	-------
26	57.77	56.83	25.3	34.4	Calm		SSW	2	-------	E	-------
27	57.79	56.27	25.2	32.2	Calm		SSW	2	-------	E	.5
28	57.13	55.51	25.4	34.3	Calm		WSW	2	S	W	-------
29	57.30	56.35	24	32.8	Calm		S	2	-------	SE	1
30	57.91	56.98	24.4	33.8	Calm		NW	2	-------	E	-------
31	-------	-------	-------	-------	-------		-------		-------	-------	-------
Mean	57.86	56.56	25.4	33.6	0.1		2.3		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	48

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	57.73	56.21	25.4	34.8	Calm		SE	2	-------	E	-------
2	57.71	56.11	25.8	35.6	Calm		SE	2	E	E	-------
3	57.86	56.65	26.4	31.6	Calm		S	2	SE	E	46.7
4	58.84	58.67	24.8	26.4	Calm		SE	1	E	E	32
5	58.91	57.68	24.3	31.2	Calm		S	2	E	E	-------
6	58.71	56.78	24.4	34	Calm		S	2	SE	E	-------
7	57.43	55.75	24.3	32.8	Calm		S	2	E	E	1.8
8	57.20	56.40	24.5	26.4	Calm		E	1	NE	E	29
9	56.51	56.80	24.4	27.8	Calm		SE	1	NE	E	3.8
10	57.74	56.63	24	31.8	Calm		E	2	E	SE	6.9
11	58.35	57.12	25	29.4	SE	1	WNW	2	E	E	-------
12	57.61	56.47	24.4	32.7	Calm		SE	1	E	E	-------
13	57.55	56.44	23.9	31	Calm		S	1	E	E	35.3
14	57.64	57.59	25	29.9	Calm		SE	2	SE	E	3.8
15	58.39	56.65	24.3	30.3	Calm		S	1	E	E	51.1
16	58.08	58.08	25	26	Calm		Calm		E	E	.5
17	57.84	57.07	23.8	26.5	Calm		NE	1	E	E	10.2
18	56.86	55.45	23.8	28.8	Calm		SW	1	E	N	61.5
19	54.94	54.06	24.8	30	NNW	2	NW	2	WSW	SW	-------
20	54.35	53.92	24.4	29.4	Calm		WSW	2	SW	SW	34
21	54.84	54.82	24.8	26.5	SW	1	WSW	4	SW	SW	14.2
22	55.80	55.55	26.2	27.8	SW	3	SW	3	SW	SW	.5
23	55.69	55.92	26.4	26	SSW	2	SW	3	SW	SW	8.4
24	56.61	56.46	23.8	28	Calm		NW	4	SW	SW	-------
25	57.30	56.55	26.3	31.7	WSW	3	NW	2	SW	SW	8.9
26	57.51	56.73	23.4	31.8	NW	1	W	2	E	W	-------
27	56.94	55.08	24.3	31.4	Calm		ENE	2	E	E	12.4
28	55.29	55.30	24	27.4	Calm		S	2	SW	SW	10.7
29	55.84	56.59	23.8	26.7	Calm		SW	4	SW	SW	16.6
30	57.63	56.98	24.8	25.8	SW	3	SW	1	SW	SW	15
31	55.72	56.81	27	24.8	SSW	2	SW	1	SW	SW	17.8
Mean	57.08	56.37	24.8	29.5	0.6		1.9		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	421.1

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	55.01	54.87	26.6	28.3	SW	4	SW	4	SW	SW	0.8
2	55.68	56.94	26.8	26.4	SW	2	SW	3	SW	SW	1.8
3	57.10	56.58	24.2	31.8	Calm		SW	2	SW	SW	.5
4	57.75	56.91	25.3	28.8	Calm		SW	1	SW	SW	-------
5	57.04	56.65	23.3	31.3	Calm		NW	2	-------	SW	-------
6	57.95	57.85	23.3	30.3	Calm		NW	3	-------	W	-------
7	58.90	58.87	24.2	27.3	Calm		NW	2	W	W	2
8	58.22	56.87	24.8	31.6	Calm		W	2	W	W	36.1
9	56.93	56.81	24.4	27.3	Calm		Calm		-------	W	32
10	57.18	56.60	24.3	30.8	Calm		NW	2	W	W	-------
11	56.83	56.51	26.3	30.2	NW	1	NW	2	W	W	9.1
12	56.19	56.59	26	26.3	NW	1	NW	2	W	W	66.3
13	55.26	55.19	23.8	25.6	N	1	NW	3	W	WSW	26.4
14	55.93	55.42	23.7	29.4	Calm		NW	2	SW	SW	8.6
15	57.69	56.84	23.6	31	Calm		W	2	W	W	-------
16	57.82	56.97	24.8	29.3	Calm		NW	2	W	W	-------
17	57.17	56.79	24.8	29.3	Calm		W	2	W	W	-------
18	56.90	56.19	24.2	30.3	Calm		W	2	W	W	42.7
19	56.49	56.25	25	30.3	Calm		W	2	W	W	-------
20	57.10	56.20	24.8	31.5	Calm		NW	3	W	W	-------
21	56.74	56.86	25.3	30.3	Calm		WSW	1	W	W	-------
22	57.32	56.62	24.8	32	Calm		NW	2	W	W	-------
23	56.74	55.40	25.8	32.3	WSW	1	NW	2	SW	W	-------
24	56.83	56.79	25.6	29.3	Calm		NW	3	W	W	4.3
25	56.75	56.20	26	28.5	NW	2	WSW	2	W	W	35.3
26	55.09	53.96	25	26.7	NNW	2	WNW	2	W	W	44.7
27	53.35	52.63	25.3	27.5	SW	2	NW	3	SW	SW	11.9
28	53.35	53.07	24.8	27.6	SW	1	NW	3	SW	SW	11.7
29	53.28	53.12	25.8	29.7	SW	3	SW	4	SW	SW	1.8
30	55.65	55.09	26.4	31.5	SW	5	SW	4	SW	W	-------
31	54.59	53.57	25.8	29.8	SSW	3	WSW	3	SSW	W	54.1
Mean	56.41	55.97	25	29.4	0.9		2.3		-------	-------	-------
Total	-------	-------	-------	-------	-------		-------		-------	-------	390.1

BATANGAS.

[ϕ=13° 45′ N; λ=121° 03′ E; barometer above sea, 4 meters; gravity correction not applied, —1.75 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	54.61	53.96	23.6	23.8	W 3	NW 2	WSW	W	114.1
2	55.02	54.43	23.8	24.8	WSW 1	SW 1	WSW	SW	81.8
3	54.60	54.68	24.3	24.8	Calm	SW 2	SW	SW	53.3
4	55.36	55.42	23.6	28	Calm	SW 2	SW	SW	.5
5	56.18	56.08	24.5	31.8	Calm	S 1	SW	SW	-------
6	58.06	56.98	22.4	32.8	Calm	SSW 2	-------	-------	-------
7	57.77	56.21	24.4	28.4	Calm	SSE 2	N	NE	38.9
8	56.90	55.97	23.2	25.8	Calm	Calm	E	W	22.1
9	57.35	57.32	23.8	31	Calm	W 2	WSW	W	-------
10	57.59	56.35	24.8	31.5	W 1	NW 2	W	W	6.6
11	57.03	55.85	24.8	31.8	Calm	WSW 2	W	W	-------
12	57.10	56	25	32	Calm	WSW 2	W	W	4.3
13	56.45	55.35	25.3	28.8	Calm	WSW 2	W	WSW	8.4
14	54.19	52.92	24.3	27.1	Calm	WSW 2	SSE	SW	3.8
15	52.04	50.74	26.7	30.8	SW 2	WSW 2	W	W	-------
16	51.92	52.29	26.8	31.5	SW 3	SW 3	N	WSW	3
17	54.71	54.65	25	32.3	Calm	WSW 1	SW	WSW	8.6
18	56.04	54.63	24.5	31.2	Calm	SW 1	W	W	4.1
19	55.15	54.20	24.6	31	Calm	SW 2	W	W	-------
20	55.25	54.63	24.4	32.2	Calm	NW 2	WSW	W	-------
21	56.57	55.90	24.4	32.3	Calm	W 2	W	W	-------
22	58.14	57.97	24.3	32.8	Calm	WSW 2	W	W	-------
23	59.29	58.09	24.5	31.8	Calm	WSW 2	W	W	-------
24	59.11	57.06	24.3	25.4	Calm	NE 1	E	NNE	14
25	58.04	56.43	23.8	32.4	Calm	S 1	NE	NE	5.3
26	57.20	55.35	24.2	31	Calm	SSE 1	NE	NE	14.3
27	55.37	54.26	27	30.5	SW 2	SW 3	W	WSW	4.6
28	55.74	55.85	26.8	30.5	SW 3	SSW 3	SW	W	6.4
29	56.74	56.35	26.4	29	SW 3	WSW 3	SW	SW	-------
30	56.69	56.40	26.8	28.3	W 2	SW 3	W	W	4.6
31	-------	-------	-------	-------	-------	-------	-------	-------	-------
Mean	56.21	55.41	24.7	29.8	0.7	1.9	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	398.7

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.63	56.98	24.4	31.7	Calm	SW 2	SW	SW	-------
2	58.95	58.02	23.8	32.4	Calm	SW 1	SW	SW	-------
3	59.35	58.92	24.3	29	Calm	W 2	-------	SW	3.9
4	58.80	57.84	23.5	31.3	Calm	WSW 1	SW	SW	1.5
5	58.16	57.39	24.1	25.3	Calm	Calm	NE	E	6.6
6	58.06	56.97	23	31.5	Calm	WNW 2	-------	W	-------
7	59.14	58.74	24.4	25.7	Calm	E 1	E	E	13.4
8	59.53	57.59	23.6	27.7	Calm	SW 1	NE	W	1.8
9	57.26	55.94	24.8	30	Calm	SW 2	W	W	1.5
10	56.44	54.91	23.5	30.2	Calm	Calm	-------	NE	-------
11	55.42	55.07	24.8	26.3	Calm	SW 2	W	SW	7.4
12	57.67	56.89	22.5	31.6	Calm	SW 1	SW	SW	-------
13	58.56	56.56	23.4	30.5	Calm	ENE 1	E	NE	20.1
14	56.63	56.74	24	26.5	Calm	WSW 1	NE	NE	12.2
15	56.89	54.78	23	29.3	Calm	NE 1	NE	NE	58.4
16	56.36	54.20	23.8	25.4	Calm	ENE 1	NE	NE	81.1
17	53.25	52.56	23.8	26.5	NE 2	ENE 4	NE	.E	18.6
18	57.99	57.70	23.8	30.6	Calm	SSE 1	SSE	SE	-------
19	59.89	57.45	23.3	30	Calm	Calm	N	E	11.7
20	59.77	57.60	23.2	29	Calm	NE 1	NE	NE	1.8
21	59.94	58.95	24.2	23.8	Calm	Calm	NE	NE	54.6
22	59.14	58.12	24	27.8	Calm	ENE 1	NE	NE	.5
23	58.82	56.97	22.8	31.4	Calm	Calm	NE	NE	2
24	58.75	57.78	23	25.1	Calm	Calm	NE	ENE	49.8
25	58.18	56.93	20.6	30.3	Calm	NNE 1	ENE	N	.3
26	56.80	55.90	22.6	31.5	Calm	WNW 2	W	W	-------
27	57.24	57.48	23.5	31.8	SSE 1	NNW 1	SE	SW	-------
28	59.59	58.10	24.3	33.3	Calm	SW 1	E	SW	-------
29	58.45	58.93	23.2	31.7	SE 1	SSW 1	E	ENE	-------
30	59.28	58.79	23.5	26.5	Calm	Calm	E	E	11.9
31	60.48	58.90	23.2	32.5	Calm	SSW 1	SE	E	-------
Mean	58.14	57.09	23.5	29.2	0.1	1.1	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	359.1

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.90	57.80	22.8	31.5	Calm	SW 2	NE	E	0.3
2	58.79	57.04	23.8	32.7	Calm	ENE 2	NE	SE	2.8
3	59.16	57.28	24.5	32.3	Calm	E 1	SE	SE	1.8
4	59.19	57.64	23.3	32.8	NE 1	SE 2	NE	SE	-------
5	59.80	58.85	21.8	31.3	Calm	SE 1	NE	N	.8
6	58.94	55.42	23.5	26.1	Calm	NE 2	NE	NE	4
7	58.34	58.16	25.3	30.6	E 2	ENE 2	E	E	-------
8	60.34	58.93	23.3	31.7	Calm	ESE 2	NE	E	1
9	59.71	58.19	22.5	25.7	Calm	ENE 1	NE	NE	6.4
10	59.19	57.33	21.7	31.8	Calm	ESE 2	NE	NE	-------
11	59.58	58.72	23.6	31.8	E 1	E 2	E	NE	-------
12	60.49	58.63	22.8	33	Calm	ENE 2	E	NE	-------
13	58.98	57.53	23.8	33	Calm	ENE 1	E	E	-------
14	58.85	57.73	21.3	30.8	NE 1	ENE 1	NE	E	4.8
15	59.56	58.72	22.3	30.5	Calm	E 1	E	E	1
16	59.41	58.59	22.3	28.8	Calm	SSE 2	E	ENE	-------
17	58.84	57.76	24.2	27.8	Calm	SE 1	NE	NE	2.5
18	58.92	57.05	22.3	32.8	Calm	ESE 1	-------	E	-------
19	59.15	57.28	22.3	31.5	Calm	E 1	NE	E	-------
20	58.83	57.10	20.9	31.7	Calm	SSW 1	E	N	12.7
21	58.31	57.37	23.7	29.4	Calm	ENE 1	NE	NE	5.1
22	58.66	57.10	21.3	31.6	Calm	SW 1	NE	E	-------
23	58.73	56.72	21.3	30.8	Calm	SW 1	E	N	.8
24	57.81	56.52	22.4	29.6	Calm	ENE 1	NE	NE	.5
25	54.77	51.16	23.8	24.8	Calm	NE 2	NE	NE	34.7
26	57.16	56.03	21.8	31.3	Calm	ESE 1	SE	E	-------
27	59.20	57.40	21.5	31.9	Calm	SE 1	-------	NE	.8
28	58.14	55.55	23.5	28.9	Calm	ENE 1	NE	NE	20.3
29	55.58	55.58	24.3	25.1	E 2	ENE 1	E	E	36.9
30	58	58.10	24.3	26.2	Calm	WSW 3	SE	SW	2.1
31	-------	-------	-------	-------	-------	-------	-------	-------	-------
Mean	58.74	57.24	22.9	30.3	0.2	1.4	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	139.3

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	60.19	58.89	23.3	30.9	Calm	SE 1	SE	SE	-------
2	60.85	59.41	21.9	30.3	Calm	SE 1	SE	SE	-------
3	60.23	58.27	20	28.8	Calm	Calm	NE	E	3.8
4	58.48	56.90	21.3	28.4	Calm	SSW 1	N	N	-------
5	57.07	56.74	25.7	29.2	SW 1	SW 2	WNW	W	-------
6	59.06	58.20	22.2	27	Calm	SE 1	-------	SE	2.3
7	60.77	59.59	22	28.9	Calm	S 1	NE	NE	2.5
8	61.29	60.17	17.5	25.2	Calm	NE 1	E	ENE	-------
9	61.58	60.27	18.4	27.7	Calm	E 1	E	E	.8
10	61.40	60.78	22.8	26.3	E 2	E 4	ENE	ENE	.5
11	61.14	60.50	22.8	26.3	E 1	E 3	ENE	ENE	-------
12	61.16	60.20	23.8	29.3	E 2	E 3	E	E	-------
13	61.58	60.20	23.6	29.3	Clam	E 3	NE	NE	-------
14	61.94	59.78	22.8	30.2	Calm	E 3	E	E	-------
15	60.85	59.59	21.8	30.3	ESE 1	E 2	E	E	-------
16	61.24	59.66	22.3	29.5	E 1	E 2	E	E	-------
17	60.68	59.21	21.6	29.8	E 1	E 3	E	E	-------
18	60.66	57.76	21.6	30.3	Calm	E 2	E	N	-------
19	59.09	57.87	17.8	28.8	Calm	S 2	-------	NE	-------
20	59.28	58	19.8	29.8	Calm	SSW 2	-------	NE	-------
21	59.82	58	22.5	29.3	Calm	SW 2	E	E	-------
22	59.97	58.32	20.3	29.8	Calm	E 2	E	E	-------
23	61.43	60.08	21.8	29.4	Calm	E 2	E	E	-------
24	61.07	59.69	21.3	27	E 1	E 3	E	E	-------
25	61.45	60.12	22.4	26.7	E 1	E 3	E	ENE	11.7
26	62.24	59.79	22.8	26.3	NE 2	ENE 1	E	E	1.3
27	60.80	59.60	22.9	30	Calm	E 2	E	E	-------
28	61.27	59.59	22.8	31.2	Calm	E 1	E	E	-------
29	61.93	60.45	22.7	28.3	Calm	E 3	E	E	2.1
30	62.14	60.49	22.6	28.8	Calm	E 3	E	E	.3
31	61.67	59.67	23.3	30.3	E 1	E 3	E	E	-------
Mean	60.72	59.28	21.9	28.8	0.5	2	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	25.3

SANTA CRUZ, LAGUNA.

[$\phi = 14°\ 18'$ N; $\lambda = 121°\ 25'$ E; barometer above sea, 9 meters; gravity correction not applied, —1.73 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	60.74	59.05	20.4	28.6	Calm	E 2	E	E	0.5
2	60.95	59.78	20.5	29	Calm	ENE 3	E	ENE	------
3	61.53	60.75	22.2	28.4	Calm	NE 3	E	ENE	------
4	61.93	60.75	22.3	25.5	Calm	NE 2	ENE	ENE	21.5
5	61.68	60.49	22.6	26.6	ENE 1	ENE 3	ENE	ENE	.5
6	61.31	60.09	22.4	28	Calm	NE 3	ENE	NE	------
7	61.48	60.50	22.4	26.8	E 1	NE 2	E	ENE	.5
8	61.52	59.64	22	27.9	Calm	ENE 3	ENE	ENE	.6
9	61.25	59.62	21.4	29	Calm	ENE 2	ENE	ENE	------
10	61.81	60.45	19.8	27	Calm	NE 2	ENE	NE	.8
11	62.85	60.83	21.6	28	Calm	NE 2	ENE	ENE	------
12	62.43	61.31	23.4	25.5	Calm	NE 2	NE	NE	5.3
13	62.43	61.14	23.8	28.5	E 1	ENE 2	ESE	ENE	------
14	63.36	61.80	22.3	27	Calm	ENE 1	ENE	ENE	------
15	62.58	61.69	21.3	27.9	Calm	ENE 3	ENE	ENE	1
16	63.58	61.74	20.6	28.8	Calm	ENE 3	E	E	------
17	63.45	62.64	20.1	27.9	Calm	NE 3	NE	NE	------
18	63.48	62.08	20.2	28.8	Calm	NE 2	ENE	ENE	------
19	63.73	63.24	19.4	24.2	Calm	ENE 3	E	ENE	.8
20	63.65	62.90	21.5	26.5	Calm	NE 2	ENE	NE	------
21	63.17	62.70	20.5	24.4	Calm	NE 2	ENE	N	.8
22	62.85	61.93	19.8	28	Calm	NE 4	ENE	ENE	------
23	62.61	61.70	17.8	28	Calm	ENE 2	ENE	E	------
24	63	61.77	19.1	29.9	Calm	E 2	------	ESE	.3
25	62.85	61.72	21.7	29.4	Calm	ENE 3	E	E	------
26	63.08	62.45	19.5	29.5	Calm	ENE 3	ENE	E	------
27	64.35	63.75	21.8	24.9	Calm	NE 3	E	ENE	.5
28	64.40	62.50	20.8	26.9	Calm	NNE 3	NE	NE	.8
29	63.72	61.94	18.6	28.2	Calm	NE 3	E	ENE	.8
30	62.80	62.36	20.8	24.6	Calm	NNE 2	E	ENE	2.8
31	62.94	61.81	21.4	27	Calm	NE 3	E	NE	.3
Mean	62.63	61.46	21	27.4	0.1	2.5	------	------	------
Total	------	------	------	------	------	------	------	------	37.8

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	62.54	60.87	20.6	30	Calm	ENE 2	E	E	------
2	62.56	61.17	20.5	28	Calm	NE 1	ENE	ENE	11.2
3	62.78	62.06	21.6	24.5	Calm	NE 1	ENE	NE	2.5
4	62.81	61.80	20.4	29	Calm	ENE 3	E	E	9.4
5	63.28	62.61	22.1	25.2	Calm	ENE 2	ENE	ENE	4.6
6	63.67	63.16	22.2	24.6	ENE 2	NE 2	ENE	ENE	2.8
7	63.82	62.78	20.6	26.3	Calm	NE 3	E	ENE	.8
8	63.95	62.43	21.5	26	Calm	ENE 2	ENE	ENE	------
9	63.75	61.55	20.6	28.6	Calm	ENE 4	E	E	------
10	62.57	60.91	21.2	28.5	Calm	ENE 4	E	E	------
11	61.56	60.79	20.4	28.2	Calm	NE 3	ENE	ENE	------
12	61.56	59.70	21.1	28.5	ENE 1	NE 4	E	NE	------
13	60.86	58.91	21.5	29	Calm	ENE 3	ENE	E	.8
14	60.08	58.43	18.8	29.8	Calm	ENE 3	ENE	E	------
15	59.65	58.89	22.2	27.8	Calm	ENE 2	E	ENE	------
16	60.25	58.90	23.4	28.8	Calm	E 2	NE	E	.5
17	60.29	58.86	23.4	29.5	Calm	NE 3	E	ENE	.3
18	60.34	60.07	22.5	28.3	Calm	NE 4	ENE	NE	------
19	61.80	61.48	24.2	28.6	NE 2	NE 4	ENE	ENE	------
20	61.90	61.53	24.4	26.4	ENE 5	NE 5	ENE	ENE	------
21	61.88	61.26	22.6	26.2	Calm	NE 2	ENE	ENE	.5
22	61.77	59.88	21.8	31.4	Calm	ESE 3	E	ESE	1.3
23	61.13	60.03	21.8	28.2	Calm	ENE 3	E	ENE	.5
24	60.18	58.99	23.2	29.5	E 2	ENE 3	ESE	E	------
25	60.70	59.88	21	29.8	Calm	E 3	E	E	------
26	60.48	59.43	21	29.8	Calm	E 3	E	E	------
27	59.90	58.79	22.5	29.5	Calm	ENE 3	E	E	------
28	60.09	58.42	21.2	30.6	Calm	ENE 3	E	E	------
29	59.90	58.99	21.6	29.5	Calm	E 3	E	E	------
Mean	61.59	60.43	21.7	28.3	0.4	2.9	------	------	------
Total	------	------	------	------	------	------	------	------	35.2

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	59.94	59.83	21	28.8	Calm	ENE 3	ESE	E	4.6
2	61.23	60.38	20.6	29.2	Calm	ENE 2	E	E	.5
3	61.65	60.82	21	29.2	Calm	ENE 2	E	E	------
4	61.55	60.60	21	30.4	Calm	ENE 3	E	E	------
5	60.75	59.88	20	28.5	Calm	NE 2	E	ENE	.3
6	60.90	59.90	21.4	31.2	Calm	E 3	E	E	------
7	61.28	60.28	23.4	30.9	Calm	E 3	ESE	E	------
8	61.33	60.22	22.4	31.6	Calm	E 2	ESE	ESE	------
9	62.18	61.58	23.3	32	Calm	ENE 3	E	E	------
10	62.33	60.50	20.1	30.2	Calm	E 3	------	E	------
11	60.15	58.60	20.3	30.9	Calm	NE 2	------	NE	------
12	58.52	56.63	19.5	32.3	Calm	N 2	------	NNE	------
13	58.84	57.21	20.7	33	Calm	E 1	------	E	------
14	59.60	58.22	22	33.1	Calm	ENE 2	ESE	E	------
15	60.14	59.31	22.7	32.2	Calm	ESE 2	ESE	ESE	------
16	60.27	59.53	22.4	31.5	Calm	ENE 2	E	ENE	.8
17	61.22	59.94	19.8	30.7	Calm	ENE 2	E	E	------
18	61.55	60.80	19.3	29.7	Calm	E 3	ENE	ESE	.5
19	62.15	61.46	22.2	25.4	Calm	ENE 3	E	ENE	2.8
20	61.68	60.50	23	30.6	ENE 1	E 4	ENE	ESE	1
21	62.08	61.42	21.1	31.2	Calm	E 3	------	E	1.5
22	62.69	61.49	21.8	30.5	Calm	E 3	ESE	ESE	5.6
23	62.13	61.15	23	29.6	Calm	ESE 4	E	SE	10.9
24	61.79	60.53	23.4	30	Calm	Calm	E	SE	------
25	62.39	61.18	23.4	31.7	Calm	E 3	ESE	E	------
26	62.54	60.54	22.7	29.5	Calm	E 3	------	ESE	.3
27	61.88	60.68	22.7	30.4	Calm	ENE 4	ESE	E	------
28	61.53	60.23	21.6	30.8	Calm	E 4	ESE	ESE	------
29	61.38	60.93	21.4	30.3	Calm	ESE 2	------	SE	------
30	61.60	61.02	23	31	Calm	E 3	E	E	.3
31	61.63	61.38	23.4	29.5	SE 1	ENE 3	E	E	1.3
Mean	61.25	60.22	21.7	30.5	0.1	2.6	------	------	------
Total	------	------	------	------	------	------	------	------	30.4

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	61.48	61.32	23.2	29.8	Calm	E 3	ENE	E	1
2	61.75	60.48	22.7	30.7	Calm	E 2	E	ESE	------
3	61.59	60.52	21.3	31	Calm	ENE 2	ESE	E	2
4	60.69	59.38	21.5	30	Calm	ENE 4	ESE	ESE	------
5	60.08	59.08	22.8	31.7	Calm	ENE 1	------	E	------
6	60.40	59.38	21.6	32	Calm	NE 3	------	E	------
7	61.03	59.78	22	31.5	Calm	E 2	ENE	E	------
8	60.63	59.63	22.6	32	Calm	E 2	------	ENE	------
9	61.43	59.82	20.6	32.6	Calm	ENE 2	------	E	------
10	62.20	60.88	21.5	32.5	Calm	NE 2	------	NE	------
11	62.30	60.91	23.6	32.4	Calm	E 3	E	ENE	------
12	62.28	60.74	23.4	33.4	Calm	ENE 2	------	E	.5
13	63.23	62.41	24	30.5	ESE 1	ENE 3	E	E	.5
14	63.05	62.13	23.1	29.9	Calm	E 3	E	ESE	.3
15	62.07	59.99	23.5	32.8	Calm	E 3	E	ESE	------
16	61.19	60.28	22.4	32.4	Calm	ENE 2	NE	E	------
17	61.57	60.01	22.7	33.4	Calm	ENE 4	E	E	------
18	61.62	59.77	21.7	32.9	Calm	E 2	------	E	------
19	61.05	59.58	24.4	33.4	NE 1	E 3	NE	E	1.8
20	60.08	58.72	24.5	33	Calm	ENE 3	ENE	E	------
21	59.88	59.48	24.8	31.8	E 1	NE 3	ESE	ENE	------
22	60.40	58.78	23.4	32.6	Calm	E 3	E	ESE	------
23	59.95	58.03	24.4	32.6	Calm	ENE 2	------	E	------
24	59.65	58.18	24	32.7	Calm	E 4	ENE	ESE	------
25	59.60	58.13	22.4	32.6	Calm	ENE 3	E	E	------
26	60.05	58.53	22	32.7	Calm	ENE 2	------	E	------
27	60.40	59.28	22	32	E 1	ENE 4	E	E	------
28	60.45	59.16	23.8	30	Calm	NE 4	ENE	ENE	3
29	59.45	56.38	24.5	34.4	Calm	SE 3	E	SSE	------
30	58	55.83	25.4	34	Calm	SE 3	E	SE	------
Mean	60.92	59.55	23	32.1	0.1	2.7	------	------	------
Total	------	------	------	------	------	------	------	------	9.1

SANTA CRUZ, LAGUNA.

[ϕ=14° 18′ N; λ=121° 25′ E; barometer above sea, 9 meters; gravity correction not applied, —1.73 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58.20	56.67	24	33.8	Calm		E	2			
2	58.71	57.28	25.2	33.6	Calm		ENE	4	ENE	E	
3	60.68	58.80	24.8	33.7	Calm		NE	3		E	
4	60.86	58.87	25.1	33.5	Calm		ENE	3		ENE	
5	60.96	58.95	24.6	33.8	Calm		E	3	E	ESE	
6	58.80	56.76	23.2	33.4	Calm		W	2		W	
7	58.96	56.91	25	32.4	SE	1	SE	2		SE	4.3
8	59.26	58.40	24.8	30.4	Calm		W	1	S	W	
9	58.55	56.38	23.6	33.5	Calm		E	3		ESE	
10	59.68	57.70	24.9	33.7	Calm		E	3	E	ESE	
11	60.52	58.35	23.5	33.8	SE	1	E	3	ESE	ESE	
12	59.61	57.63	25.4	32.2	Calm		NE	1	E	E	
13	59.01	56.51	23.5	35.4	Calm		S	1		SW	
14	58.56	56.77	24.5	35.5	Calm		SW	1		SW	
15	58.63	56.85	23.5	35	Calm		W	2		WSW	
16	58.58	56.64	24	34.6	Calm		W	2		W	
17	58.61	56.76	22.6	34.7	Calm		WNW	2		W	
18	58.67	56.99	24.6	33.6	Calm		S	2	S	SSE	
19	59.11	57.40	25.4	34.4	E	1	NE	3		E	
20	58.21	55.51	26.3	34.5	Calm		SE	2	E	SSE	.5
21	58.48	56.90	24.8	31.6	Calm		S	1	NE		.3
22	58.63	56.70	24.3	34.8	Calm		W	2	SE	W	
23	58.53	57.35	24.8	29.4	Calm		SE	1		SE	
24	58.40	55.83	25.3	30	Calm		Calm			SSE	
25	57.87	54.76	24.8	30.7	SE	1	SSE	2		S	5.6
26	56.80	55.91	24.4	33.8	Calm		SE	1		SE	
27	57.28	55.16	25.2	35.5	SE	1	SE	1		SE	54.4
28	58.34	56.43	24.3	32.5	Calm		Calm			SSE	35.3
29	59.28	57.05	25	26.6	Calm		N	2		SE	35.8
30	59.04	56.95	25.4	27.7	Calm		ESE	1		S	.3
31	58.50	56.68	24.6	33.5	Caim		WNW	2	NW	W	
Mean	58.88	56.96	24.6	33	0.2		1.9				
Total											136.5

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58.45	57.23	25	24.8	ENE	1	WSW	1	E		41.4
2	59.65	58.08	24.8	33	Calm		ENE	2	E	E	
3	59.38	57.75	26.4	33.7	Calm		E	2	SE	SE	
4	58.33	56.27	24.7	33	Calm		SW	1	ESE	WSW	.5
5	58.03	56.25	24.9	26.5	Calm		Calm			S	3.3
6	58.53	56.11	23.5	31.6	SE	1	Calm			SSE	2
7	58.40	55.61	24.5	32.2	SE	1	NW	1	ESE	SE	1
8	57.83	56.47	24.5	29.5	Calm		SSE	1	ENE	WSW	
9	57.99	57.06	25	27.2	Calm		S	1	E	S	2.3
10	59.16	56.47	24.4	32	Calm		WNW	1		SSW	3
11	58.62	57.32	24.5	26.6	Calm		SSW	1	W	SW	2.8
12	59.14	56.42	25.2	32.3	Calm		ESE	2	SE	SE	3
13	58.71	57.39	25	26.7	Calm		Calm			S	.5
14	58.95	56.78	24.2	33	Calm		E	1	SE	S	14.5
15	57.87	56.64	23.5	31.8	Calm		Calm		SE	S	
16	56.97	56.01	24.4	31.5	Calm		WNW	2	WSW	W	
17	56.88	55.17	24	31.3	Calm		W	1	WSW	WSW	
18	56.91	55.73	24.8	32.8	Calm		WNW	2	W	W	1.8
19	57.14	55.36	25	31.8	Calm		WNW	3	W	W	
20	56.73	55.21	25.8	33	Calm		WNW	2	WSW	W	
21	56.58	55.46	24.2	32.6	Calm		NW	2	W	ENE	
22	57.30	55.96	23.6	32.8	Calm		NE	1	SE	ENE	
23	57.93	56.61	24.2	27.6	Calm		SSE	2	W	SSE	
24	57.37	55.81	23.8	33.5	Calm		WNW	2		WNW	
25	57.92	56.13	23.2	33.8	Calm		WNW	1		WSW	
26	57.91	56.61	24.6	33.8	Calm		W	1		WNW	
27	58.03	56.11	24.2	33.4	S	1	W	2		WSW	
28	57.38	55.14	24.2	35	Calm		Calm		WSW	SW	24.6
29	57.52	56.22	23.1	28	Calm		S	2	SW	S	5.8
30	57.84	56.73	23.5	29.3	SE	1	Calm			SW	2
31											
Mean	57.98	56.34	24.4	31.1	0.2		1.2				
Total											108.5

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	57.82	56.26	23.6	33.8	Calm		WSW	1		SSW	
2	57.70	56.15	25	32.6	SE	1	SSW	2	SSE	SSE	
3	58.04	56.56	24.1	29.9	Calm		ENE	1	ESE	E	
4	58.82	57.79	24.4	31.5	Calm		SE	2	SE	SE	3.3
5	58.79	57.66	24.3	30.2	Calm		N	2		SE	
6	58.77	56.31	23.5	30.7	Calm		SW	2		SE	
7	57.64	55.86	23.8	27.7	Calm		S	1	SE	S	1.8
8	57.10	56.37	23.6	29.2	Calm		E	1	NE	E	2.5
9	56.95	56.56	24.2	28.6	Calm		N	1	ESE	ENE	5.1
10	57.31	56.70	23.4	30.3	Calm		E	1	ESE	ESE	
11	58.42	57.08	23.3	29.7	Calm		NNE	1	ESE	ENE	
12	57.93	56.68	23	33.4	Calm		E	2	ESE	ESE	
13	57.50	56.43	23	30.3	Calm		SE	1	SE	SSE	4.3
14	57.99	57.25	24.2	30	Calm		S	1	SE	S	3.3
15	58.43	56.34	23.4	32.2	Calm		ENE	2	ESE	E	1.3
16	58.33	57.75	24.2	27	Calm		Calm		SE	SE	17.3
17	57.81	57.31	23.4	24.8	Calm		Calm		SE		14.7
18	57.01	55.43	23.3	26	Calm		Caim		NNE	NNE	36.6
19	54.63	53.50	24	28.8	Calm		NNE	2	ESE	ENE	15
20	54.67	53.38	23.2	28.5	Calm		S	2	ESE	S	46.2
21	54.97	54.33	23.7	27.4	Calm		SW	2	SW	SW	8.1
22	55.81	55.72	24.4	26	Calm		W	1	WSW	W	3.8
23	55.35	55.21	24	26.7	Calm		W	2	W	W	4.3
24	56.54	56.45	23.5	24.9	Calm		WNW	3		W	6.6
25	57.16	57.05	23.8	25.5	Calm		WNW	2	WSW	W	8.4
26	57.87	56.62	23	31	Calm		NW	2		NW	8.1
27	57.15	55.20	23.5	30.5	Calm		NE	2	NE	NE	18.5
28	55.20	54.55	23.2	28.6	Calm		Calm		ENE	E	4.3
29	55.55	56.35	23.4	25.5	Calm		SW	1	WSW	WSW	7.6
30	57.17	56.91	23.8	24.6	Calm		W	1	WSW	W	9.9
31	55.91	55.95	22.6	25.9	Calm		SW	2	WSW	WSW	16.8
Mean	57.11	56.18	23.7	28.8	0		1.4				
Total											247.8

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	54.86	54.57	23.8	26.6	Calm		W	1	W	W	8.7
2	55.76	56.55	23.6	26.2	Calm		Calm		W	W	7.4
3	57.30	56.56	22.8	28.4	Calm		NW	1	W	WNW	1
4	57.70	56.70	23.7	28	Calm		Calm		SW	WSW	
5	56.97	56.19	22.3	29.2	Calm		Calm			WSW	
6	57.61	57.52	23.6	28.8	Calm		WNW	3	WSW	W	
7	58.81	58.22	23.1	28	Calm		WSW	1	W	W	11.7
8	58.35	56.37	24	30.7	Calm		W	2	WSW	NW	1
9	57	56.53	24	27.8	Calm		W	1	W	WSW	1.5
10	57.51	56.49	24	26.9	Calm		SW	1	W	SW	4.1
11	57.07	56.04	23.7	29.8	Calm		W	1	W	W	17.3
12	56.43	54.64	23.5	25.8	Calm		WNW	1	NW	W	16
13	54.82	54.21	23.5	26.5	Calm		WSW	1	W	W	9.6
14	55.76	55.67	24.4	24.5	WSW	1	Calm		W		67.3
15	57.88	56.73	23.2	30.2	Calm		W	2	W	W	2.8
16	57.95	56.43	24.4	31.2	Calm		W	2	W	W	
17	57.21	56.13	24	30.2	Calm		SW	1	W	WSW	
18	57.03	55.80	24.5	30.4	Calm		W	2	W	WSW	
19	56.53	55.29	24.6	31.8	Calm		W	1	W	W	.8
20	56.83	56.30	25	26.9	Calm		SW	1	W	WSW	11.4
21	56.88	56.75	24.5	25.3	Calm		Calm		W	SW	.5
22	57.40	56.40	23.8	30.3	Calm		NW	2	W	WSW	2
23	56.63	55	24.4	29.8	Calm		WNW	2	W	W	
24	56.89	56.28	24.5	28.5	Calm		WNW	1	W	W	1
25	56.81	55.97	24	26	Calm		SW	1	W	WSW	69.4
26	55.18	53.70	23.5	26	Calm		WNW	1	W	W	43.5
27	53.09	52.12	23.4	29.2	Calm		SW	1	WSW	SW	14.5
28	52.80	52.45	24.8	27	SW	2	SW	1	WSW	SW	3.6
29	53.94	53.27	24.9	29.4	Calm		WSW	2	WSW	WSW	7.4
30	55.27	54.57	25.3	30.6	SW	2	WSW	4	WSW	W	
31	54.45	52.91	25.4	27.8	WSW	1	W	1	W	W	76.2
Mean	56.41	55.56	24	28.3	0.2		1.2				
Total											378.7

SANTA CRUZ, LAGUNA.

[$\phi = 14°\ 18'$ N; $\lambda = 121°\ 25'$ E; barometer above sea, 9 meters; gravity correction not applied, —1.73 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	54.02	53.11	23.8	24.8	WSW 1	WSW 2	------	W	43.5
2	54.27	53.82	23.2	25	Calm	SW 1	W	WSW	3.3
3	54.95	53.99	23.8	25.6	Calm	W 1	W	W	4.4
4	55.23	54.70	24	27.8	Calm	WNW 2	WSW	W	2.5
5	56.06	55.93	22.5	31	Calm	Calm	------	SW	5.6
6	58.21	56.65	22.2	31.5	Calm	WNW 1	------	NW	------
7	57.64	56.02	23.9	30.3	Calm	N 1	NNE	NE	25.9
8	56.73	55.67	23	24.7	Calm	NW 1	------	NW	37.3
9	57.32	56.67	23.8	25.8	W 1	W 2	WNW	W	.5
10	57.78	55.98	24.4	30.4	Calm	W 1	------	W	------
11	57.01	55.39	23.6	28.8	Calm	W 1	W	W	8.9
12	56.70	55.30	24.8	27.5	Calm	W 1	W	W	11.2
13	56.44	54.77	24.4	27.2	Calm	WSW 1	W	W	4.8
14	54.51	52.83	23.2	26.9	Calm	Calm	WNW	W	9.2
15	51.63	50.30	25	28.8	Calm	W 1	W	WNW	------
16	51.72	51.76	26	27	W 2	W 2	WSW	W	11.7
17	54.30	54.10	25.1	29.3	Calm	WSW 1	W	WSW	4.1
18	55.77	54.29	23.8	29.4	Calm	W 1	WSW	W	9.4
19	55.02	53.58	23.5	27.5	Calm	W 1	WNW	WNW	.8
20	54.87	53.75	23.5	30.4	Calm	W 1	WNW	W	15.5
21	56.31	55.28	23.8	30	Calm	WNW 2	W	W	------
22	58.20	57.35	23.6	30	Calm	W 1	W	W	------
23	59.22	57.89	24	31.5	Calm	W 1	W	W	9.7
24	59.44	57.85	23.8	27.8	Calm	NE 1	E	NE	3.5
25	58.21	57.08	24	29.8	Calm	ENE 1	ENE	ENE	11.2
26	57.28	55.33	23	29.8	Calm	N 1	------	NNE	4.3
27	55.05	53.75	25	29.1	Calm	W 2	WNW	W	10.2
28	55.37	54.77	25.6	26.3	WSW 2	WSW 1	WSW	W	29.5
29	56.37	55.75	24.5	28.7	SW 1	SW 3	------	WSW	1
30	56.26	56.36	24.8	26.5	Calm	W 1	WSW	W	4.3
31	------	------	------	------	------	------	------	------	------
Mean	56.06	55	24	28.3	0.2	1.2	------	------	------
Total	------	------	------	------	------	------	------	------	272.8

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.70	56.84	23.9	28.6	Calm	Calm	W	W	------
2	58.97	58.25	23.7	31.2	Calm	W 1	------	W	------
3	59.85	58.74	22.4	25.2	Calm	Calm	------	W	3.8
4	59.03	57.65	23.9	28.4	Calm	WSW 1	W	W	2
5	58.69	56.72	24	31.4	Calm	SE 1	SE	ESE	------
6	58.39	56.95	23	28	Calm	W 1	NW	WNW	14.5
7	59.13	58.03	23.6	28.5	SE 1	Calm	SE	SE	26.4
8	59.44	57.63	23.2	27.2	Calm	Calm	W	W	4.6
9	57.17	56.08	23.6	27.4	Calm	W 2	WNW	W	15.7
10	56.58	54.95	23.2	31.4	Calm	W 2	W	WSW	------
11	55.31	54.05	24.8	28.1	Calm	SSE 1	SW	S	25.4
12	57.75	56.38	22.1	31.5	Calm	SE 1	SW	ESE	------
13	58.72	56.65	23.5	27.6	Calm	NE 1	E	NE	5.4
14	56.88	55.86	23.6	28.3	Calm	Calm	ENE	NE	8.7
15	56.70	54.93	24.2	27.9	Calm	NE 1	ENE	ENE	12.2
16	56.12	54.16	26	25.4	NNE 3	NNE 2	NE	NE	56.1
17	54.14	54.12	25.5	25.9	NE 4	ESE 2	------	SE	19.3
18	58.30	57.82	24.7	31.4	SE 1	Calm	SE	SSE	5.1
19	59.94	58.75	24	28	Calm	SE 3	SE	E	3.1
20	59.61	58.05	23.6	28	Calm	NE 2	ENE	NE	5.4
21	59.35	59.21	23.8	23.7	Calm	Calm	ENE	------	28.9
22	59.58	58.36	25	27.7	NE 1	ENE 1	NE	E	4.6
23	58.99	57.48	23.7	29.5	Calm	NE 2	NE	ENE	.3
24	58.75	57.44	22.9	29.8	Calm	ENE 1	E	ENE	7.4
25	58.52	57.12	22	29.7	Calm	NE 2	NE	NE	------
26	57	55.27	22.5	29.8	Calm	WNW 1	WNW	WNW	------
27	57.02	56.90	24.4	31.4	Calm	WSW 1	W	WSW	------
28	59.39	57.92	22.7	31.4	Calm	Calm	------	ENE	5.1
29	58.70	57.84	22.6	31	Calm	E 2	------	E	4.1
30	59.44	58.34	23.1	27.5	Calm	Calm	E	E	10.9
31	60.34	58.80	23.4	30.6	Calm	NE 1	ESE	E	.5
Mean	58.24	57.01	23.6	28.8	0.3	1	------	------	------
Total	------	------	------	------	------	------	------	------	269.5

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.85	58.10	23.6	30.3	Calm	NE 2	ESE	ENE	------
2	59.14	57.47	26	29.3	NE 1	ENE 1	ENE	E	14.2
3	59.22	57.63	24.4	30.7	Calm	SE 1	E	SE	------
4	59.55	57.82	23.5	29.5	Calm	ESE 1	SE	ESE	------
5	59.90	59.08	22.5	29.1	Calm	NE 2	------	ENE	2.5
6	58.85	56.42	25.2	25.4	NNE 2	NE 4	NE	NE	17.6
7	58.77	58.87	24.8	26.6	ESE 1	ESE 1	ESE	ESE	4.3
8	60.74	59.38	23.8	27.5	Calm	E 2	E	E	5.6
9	59.84	58.04	22.6	29	Calm	Calm	ENE	E	.8
10	59.33	58.16	22.2	28.4	Calm	E 1	E	E	------
11	------	------	------	------	------	------	------	------	1.3
12	60.25	58.77	24.2	29.5	Calm	NE 2	E	ENE	------
13	59.31	58.03	23.7	29	Calm	NE 1	ENE	ENE	------
14	58.96	57.95	22.4	27.4	Calm	NNE 1	E	ENE	8.1
15	59.88	58.93	22.6	27.1	Calm	NE 2	E	ENE	1.5
16	59.55	58.40	22.5	28.5	Calm	NE 1	ENE	NE	4.6
17	59.22	57.65	22.6	28.2	Calm	NNE 2	NE	NE	.8
18	59.21	57.20	22.6	30.1	Calm	E 1	E	E	------
19	59.30	57.50	21.6	29.9	Calm	ENE 1	------	E	------
20	58.80	57.48	21.1	29.2	Calm	NE 3	E	ENE	44.4
21	57.71	57.61	24	25.2	Calm	NE 1	NE	NE	------
22	58.89	57.55	21.4	28.2	Calm	NE 2	ENE	ENE	------
23	58.80	57.48	24	28.4	Calm	NE 1	ENE	NE	2.5
24	57.90	57.10	23.9	27.8	Calm	NNE 2	ENE	NE	.8
25	55.30	53.22	24.5	25.7	NNE 3	E 3	NE	ENE	24.1
26	57.31	55.85	22.8	31.4	Calm	SE 1	ESE	E	------
27	59.02	57.83	21.2	30.6	Calm	ENE 1	------	ENE	1.3
28	58.17	56.10	25	27.9	Calm	NE 3	------	NE	38.1
29	56.50	56.35	24.5	25.6	ENE 1	E 1	E	ESE	48.7
30	57.96	57.16	24.4	27.5	ESE 1	ENE 1	SE	SE	4.9
31	------	------	------	------	------	------	------	------	------
Mean	58.87	57.56	23.4	28.4	0.3	1.6	------	------	------
Total	------	------	------	------	------	------	------	------	226.1

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	60.38	59.09	23	28.8	Calm	E 1	ESE	ESE	0.8
2	61.05	59.42	21.4	29.6	Calm	ENE 1	------	E	------
3	60.10	57.89	21.6	29	Calm	NE 1	ENE	NE	1.3
4	58.67	56.47	20.7	27.4	Calm	Calm	ENE	NNE	------
5	57.27	56.53	22.7	28.4	Calm	W 1	NW	W	------
6	59.36	58.42	22	30.3	Calm	E 1	SE	E	------
7	60.68	59.84	21.5	28	Calm	NE 2	NE	ENE	------
8	61.01	60	20	26.5	Calm	NE 3	NE	NE	.3
9	61.40	60.71	20.4	26.4	Calm	NE 2	NE	ENE	2.6
10	61.50	61.47	23.6	24.2	NE 2	NNE 2	ENE	NE	------
11	61.24	60.92	23.4	24.6	NE 1	ENE 2	ENE	E	3.3
12	61.30	60.50	23.6	28.8	Calm	E 2	ENE	E	------
13	61.25	60.54	23.8	26.8	ENE 1	ENE 1	E	E	------
14	61.84	60.45	22.4	28.7	Calm	E 2	SE	E	------
15	60.88	59.83	22	29.4	Calm	ENE 2	E	E	------
16	60.95	60.25	22	24.6	Calm	ENE 1	ENE	E	1
17	60.71	59.23	21.7	29.4	Calm	ENE 1	SE	E	.5
18	60.24	58.25	21.4	28.5	Calm	NE 2	E	ENE	------
19	59.02	57.80	18.6	28.4	Calm	NW 1	SE	------	------
20	59.31	58.04	19.3	30.2	SW 1	N 2	------	ENE	------
21	59.54	58.08	21.6	30	SSE 1	N 2	------	------	------
22	59.93	58.91	20	28	Calm	N 3	------	ENE	------
23	61.38	60.49	24.5	27.2	NNE 1	N 4	NE	ENE	------
24	60.78	60.24	23.5	26.2	NNE 1	N 4	ENE	ENE	1.8
25	61.45	60.75	23.6	25.4	NE 2	NE 4	ENE	ENE	40.4
26	62.15	60.14	21.4	25.6	NNE 1	NE 3	ENE	ENE	3
27	60.75	59.71	23.8	28.6	ESE 1	ESE 4	------	ENE	4.3
28	61.35	59.78	22.2	30.1	Calm	WSW 1	------	------	.8
29	61.23	60.88	22.9	25.4	Calm	SE 1	ESE	ESE	2.8
30	61.49	60.60	23.4	28	ESE 1	NW 4	ESE	ESE	2.1
31	61.47	60.13	24.5	28.2	E 1	SE 3	ESE	ESE	14
Mean	60.63	59.53	22.1	27.8	0.5	2	------	------	------
Total	------	------	------	------	------	------	------	------	79

ANTIPOLO.

[ϕ=14° 36′ N; λ=121° 10′ E.]

JANUARY.

Day.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, form and direction. 6 a. m.	Lower clouds, form and direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	°C.	°C.							mm.
1	20.4	30.7	E	1	ESE	3	Cu. ENE	cu.-N. ESE	
2	21.2	31.4	Calm		ESE	2	Cu. ENE	Cu. E	
3	20.8	29.3	Calm		ENE	3	Cu. ENE	Cu. ENE	
4	22	27.5	Calm		ESE	2	N. ENE	Cu.-N. E	3.3
5	21.9	29.2	NE	1	NE	2	cu.-N. NE	Cu. ENE	
6	20	30.4	Calm		ENE	2	Cu. ENE	Cu. ENE	
7	21	28.6	Calm		NE	3	Cu. ENE	Cu. ENE	
8	20	26.2	Calm		ENE	2	cu.-N. ENE	cu.-N. ENE	
9	19	31	Calm		ESE	2	Cu. SE	Cu. SE	
10	21	24	Calm		WSW	1	cu.-N. NE	Cu.-N. WSW	2
11	21.6	24.6	Calm		SSW	1	S.-Cu. ENE	cu.-N. NE	3.3
12	21.9	27.6	Calm		ESE	2	S.-Cu. ENE	cu.-N. ENE	10.4
13	21.6	28.6	ESE	1	SE	3	Cu.-N. E	Cu.-N. E	
14	20.7	29.2	E	1	NE	2	Cu. NE	cu.-N. ENE	
15	20.4	30.4	E	1	E	2	S.-Cu. NE	cu.-N. ENE	
16	19.2	30.8	Calm		SSE	2	S.-Cu. NE	Cu. NE	
17	19.5	30.7	Calm		ENE	3	Cu. NE	Cu. ENE	
18	20	31.3	Calm		ENE	2	Cu. ENE	Cu. NE	
19	20.8	30.2	Calm		NE	2	cu.-N. NE	cu.-N. ENE	
20	21.5	27.7	NE	1	E	2	Cu. ENE	Cu. ENE	
21	18.8	26.5	Calm		E	2	Cu.	cu.-N. ENE	
22	19.4	27.3	Calm		E	2	Cu. ENE	cu.-N. ENE	
23	17.4	29.6	Calm		SE	2	Cu.	Cu. ENE	
24	19.5	29	Calm		ESE	2	Cu.	Cu. SE	
25	19.7	30.4	Calm		SE	2	cu.-N. ENE	cu.-N. ENE	
26	19.8	29.9	ENE	1	SE	3	Cu.	Cu.-N. E	
27	20.7	26.4	Calm		SE	2	cu.-N. ENE	cu.-N. ENE	
28	20.7	30.6	Calm		NE	2	S.-Cu. ENE	cu.-N. ENE	
29	14	24.4	Calm		ENE	1	Fr.-Cu. NE	cu.-N. NE	2.8
30	20.5	24.4	Calm		Calm		cu.-N. NE	cu.-N. NE	
31	20.3	29.1	Calm		S	2	cu.-N. ENE	cu.-N. NE	
Mean	20.3	28.6		0.2		2			
Total									21.8

FEBRUARY.

Day.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, form and direction. 6 a. m.	Lower clouds, form and direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	°C.	°C.							mm.
1	19.8	29.1	Calm		SSW	2	Cu.	cu.-N. SW	
2	20.2	29.4	Calm		SSE	1	cu.-N. NE	Cu.-N. WSW	4.6
3	19	24.4	N	2	SSW	1	N. NNW	cu.-N. ENE	
4	19	26.8	Calm		N	2	cu.-N. NE	cu.-N. NE	1.5
5	20.4	27.3	Calm		ESE	2	S.-Cu. NE	Cu.-N. E	
6	20.4	25.4	Calm		E	2	cu.-N. ENE	cu.-N. ENE	1
7	20.9	26.7	E	1	E	2	cu.-N. ENE	cu.-N. ENE	
8	20.4	27.8	Calm		NE	2	cu.-N. ENE	cu.-N. ENE	
9	19.2	31	Calm		E	2	Cu.	cu.-N. ENE	
10	19.4	30.4	Calm		SW	2	Cu.	Cu.-N. WSW	
11	19.4	31.4	Calm		SSW	2	Cu.	cu.-N. SW	
12	21	31.1	Calm		E	3	Cu.	Cu. ENE	
13	20.4	31.8	Calm		SE	3	S.-Cu. E	Fr.-Cu. E	
14	19.5	32.1	Calm		SE	3	Cu.	Cu. ENE	
15	20.4	32.1	Calm		NE	2	S.-Cu. ENE	cu.-N. ENE	
16	21.9	29.4	Calm		E	1	Cu. ENE	cu.-N. ENE	
17	22.8	28.2	Calm		SE	1	cu.-N. ENE	cu.-N. ENE	22.9
18	21.8	29.9	Calm		NE	2	Cu.	cu.-N. ENE	
19	24	29.7	ENE	2	NE	3	Fr.-Cu. ENE	Cu. ENE	
20	23.4	27.7	NE	2	NE	2	cu.-N. ENE	Cu. ENE	
21	22.5	27.6	N	1	NE	2	cu.-N. NE	cu.-N. ENE	
22	22.2	31.6	E	1	ESE	2	M.-Cu. ENE	Fr.-Cu. ESE	
23	20.4	29.9	Calm		NE	2	Cu.	cu.-N. ENE	
24	22.2	30.6	Calm		E	2	Cu.-N. E	Cu. E	
25	21.7	31.3	E	1	E	2	Cu.	Fr.-Cu. E	
26	21.2	31.8	NE	1	ESE	2	Cu. ENE	Cu. E	
27	21	31.1	E	1	ESE	3	Cu. NE	Fr.-Cu. ESE	
28	21.4	31.2	Calm		ESE	2	Cu.-N. SE	Cu. E	
29	21.5	31.5	Calm		ESE	3	Cu.	Cu. E	
30									
31									
Mean	20.9	29.6		0.4		2.1			
Total									30

MARCH.

Day.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, form and direction. 6 a. m.	Lower clouds, form and direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	°C.	°C.							mm.
1	22.5	30.8	ENE	1	ENE	3	Cu.	Cu. E	
2	21.8	30.2	Calm		NE	2	Cu.	Cu. ENE	
3	21.7	30.1	Calm		ENE	2	Cu. ENE	Cu. E	
4	21.9	28.7	Calm		ENE	2	Cu.-N. E	Cu.-N. E	
5	20	31	Calm		NE	1	cu.-N. ENE	Cu. ENE	
6	21.3	32.5	Calm		SE	3	cu.-N. NE	Cu. ESE	
7	22.2	31.1	Calm		ENE	2	cu.-N. NE	Cu.-N. E	
8	23.2	32.4	E	1	ESE	2	cu.-N. ENE	Cu. E	
9	23.5	32	E	1	NE	3	Cu. ENE	cu.-N. ENE	
10	21.9	32.2	E	1	NE	3	Cu. E	Cu. NE	
11	19.4	33	ENE	1	SE	2	Cu.	cu.-N. ESE	
12	22	32.5	Calm		WSW	2	Cu.	Cu. SW	
13	22.1	34.3	Calm		SSW	2		cu.-N. ESE	
14	22.5	34	N	1	S	3	Cu.	cu.-N. SSE	1.5
15	22.9	31.2	ENE	1	W	1	Cu.	Cu.-N. SE	2
16	22.3	33.5	Calm		NNE	2	cu.-N. NE	cu.-N. NE	
17	20.8	32	Calm		NE	2	Cu. ENE	cu.-N. ENE	
18	21.3	29.8	NE	1	ESE	2	cu.-N. ENE	Cu.-N. E	
19	21	27	Calm		NE	2	cu.-N. ENE	cu.-N. ENE	
20	23.4	29.5	ENE	1	SE	4	Cu. NE	cu.-N. ENE	
21	22.7	31.6	E	1	E	2	cu.-N. ENE	cu.-N. ENE	
22	22.9	32.2	Calm		E	3	cu.-N. ENE	Cu. ENE	
23	22.4	31.7	SE	1	SE	3	cu.-N. ENE	cu.-N. ESE	
24	21.9	33.3	Calm		SSE	2	S.-Cu. SE	Cu. SE	
25	22.4	32.2	Calm		ESE	2	Cu. NE	Cu. ENE	
26	22.4	32.4	ENE	1	E	3	Cu. NE	Cu. E	
27	23.1	32.9	E	1	ESE	2	Cu. ESE	Cu. E	
28	22.4	32.3	ENE	1	ESE	2	Cu.	Cu. E	
29	23.9	29.2	E	1	ENE	2	Cu. SE	Cu.-N. E	
30	22.4	31.7	E	1	SE	2	Cu.-N. SE	cu.-N. ESE	
31	23.9	31.4	NE	1	E	3	cu.-N. ENE	cu.-N. ESE	
Mean	22.2	31.6		0.5		2.3			
Total									3.5

APRIL.

Day.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, form and direction. 6 a. m.	Lower clouds, form and direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	°C.	°C.							mm.
1	23.9	30.1	NE	1	E	2	S.-Cu. E	Cu. E	
2	22.4	29.9	Calm		NE	2	Cu.-N. E	cu.-N. ENE	
3	21.4	31.4	Calm		SE	2	Cu.	Cu.-N. E	
4	21.7	31.1	Calm		ENE	2	cu.-N. ENE	Cu. E	
5	23.1	32.9	NE	1	SE	2	Cu.	cu.-N. ESE	
6	22.4	33.4	Calm		WSW	2	Cu.	cu.-N. SW	
7	22.2	29.3	Calm		ENE	2	cu.-N. ENE	Cu.-N. E	4.1
8	22.5	33.5	Calm		NE	1	Cu.	cu.-N. ENE	
9	21.9	33.4	Calm		SSW	1	Cu.	Cu. SW	
10	23.2	34.4	Calm		NE	2		cu.-N. ENE	
11	22.9	33.5	Calm		WNW	1	Cu.	cu.-N. NE	
12	23.4	34.2	Calm		SSW	2	Fr.-Cu.	cu.-N. NE	2.3
13	22.5	31.4	E	1	E	2	cu.-N. ENE	Cu. ENE	
14	24.3	30.2	NE	2	E	3	cu.-N. ENE	Cu. ENE	
15	21.7	31.1	ESE	1	NE	2	N. E	cu.-N. ENE	
16	22.9	31.7	ENE	1	SE	2	Cu.	Cu.-N. E	
17	21.4	30	E	1	E	3	cu.-N. ENE	cu.-N. ENE	
18	23.6	33.3	E	1	SE	3	cu.-N. NE	cu.-N. ENE	
19	23.8	33.5	ENE	1	ESE	3	cu.-N. NE	Cu.-N. E	
20	22.9	32.5	Calm		E	2	Cu. NE	cu.-N. ESE	
21	23.9	34.3	ENE	1	ESE	2	Cu. NE	Cu. NE	
22	23.5	33.5	ENE	1	ESE	2	Cu.	Cu. SE	
23	23.9	34.4	E	1	SE	3	Cu. ESE	Cu. ESE	
24	24.7	35.7	E	1	ESE	2	Cu.	Cu. ENE	
25	23.7	35	Calm		SE	2	Cu.	Cu. ENE	
26	23.9	35	NE	1	SSE	3	Cu.	cu.-N. ESE	
27	23.3	34.1	E	1	ENE	2	Cu.	Cu. E	
28	23	33.8	Calm		SE	2	Cu. SE	cu.-N. SSE	
29	24.7	34.9	Calm		SSE	3	cu.-N. ESE	Cu.-N. SE	
30	24.9	34.6	Calm		SE	3	cu.-N. ESE	cu.-N. ESE	
31									
Mean	23.1	32.9		0.5		2.2			
Total									6.4

ANTIPOLO.

[$\phi = 14° 36'$ N; $\lambda = 121° 10'$ E.]

MAY.

Day.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, form and direction. 6 a. m.	Lower clouds, form and direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	°C.	°C.							mm.
1	25.1	33.7	Calm		SSE	4	Cu.-N. NE	Cu.-N. SE	
2	26	35.3	E	1	E	2	cu.-N. ENE	Cu. ENE	
3	24.6	35.5	ENE	1	SE	4	Cu. NE	Cu. ENE	
4	25.4	33.2	ENE	1	SSW	2	Cu.-N. NE	Cu.-N. SE	
5	23.7	34.1	Calm		SE	2	Cu.-N. NE	Cu.-N. E	
6	25.3	33.2	Calm		WSW	2	cu.-N. SSW	Cu. W	
7	25.2	32.5	ENE	1	SSW	2	cu.-N. SSW	Cu.-N. S	3
8	24.1	26.4	ESE	1	Calm		Cu.-N. SE	N. WSW	
9	23.9	30.4	Calm		NE	2	Cu.	N.	61.5
10	23.7	29.9	Calm		E	2	Cu.-N. E	cu.-N. ENE	
11	23.3	31.4	Calm		ENE	2	Cu.	cu.-N. ENE	
12	24.2	34.4	Calm		ESE	1	Cu.	Cu.-N. E	
13	25.3	34.9	Calm		SW	1	Cu. ENE	cu.-N. WSW	
14	25.3	33.8	Calm		W	2	Cu. W	Cu. SW	
15	24.4	33.4	Calm		W	2	S.-Cu. S	cu.-N. SSW	
16	25.1	33.5	Calm		W	2	Cu.	cu.-N. WSW	
17	24.6	33.6	Calm		WNW	2	Cu.-N. SW	cu.-N. SSW	
18	25.4	34.5	Calm		SSE	1		Cu.-N. S	
19	26.1	36.2	ENE	1	SE	3	Cu.	cu.-N. ENE	
20	25.6	25.9	Calm		NNE	1	cu.-N. ENE	cu.-N. ENE	10.2
21	25	30.2	Calm		SW	1	Cu.-N. S	cu.-N. WSW	
22	24.2	32.4	Calm		WNW	1	S.-cu. NNE	cu.-N. WSW	
23	24.9	27.8	Calm		NE	1	Cu.	Cu.-N. SW	
24	24.9	30.4	Calm		E	2	Cu.-N.	Cu.-N. S	17.5
25	24.1	29.8	Calm		NNE	1	Cu.	Cu.-N. S	63.5
26	24.3	32.4	Calm		NW	1	Cu.	Cu.-N. W	
27	24.4	29.7	Calm		N	1	Cu.	cu.-N. SSW	
28	24.7	33.4	Calm		S	1	Cu.-N.	Cu.-N. SSE	3.8
29	24.8	32.1	Calm		SSW	2	Cu. ENE	Cu.-N. S	
30	25	34.6	Calm		SW	2	Cu.	cu.-N. SSW	1.8
31	23.9	33.2	NE	1	W	1	Cu.-N. SW	cu.-N. WSW	
Mean	24.7	32.3		0.2		1.7			
Total									161.3

JUNE.

Day.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, form and direction. 6 a. m.	Lower clouds, form and direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	°C.	°C.							mm.
1	25	26.6	Calm		N	2	Cu.	cu.-N. NNE	
2	24	33.4	Calm		ESE	1	Cu.-N.	Cu.-N. S	
3	24.2	34.8	Calm		S	1	Cu.-N. NE	Cu.-N. SE	
4	24.4	33.3	Calm		S	1	Cu.-N.	Cu.-N. SE	
5	24.6	30	Calm		SSW	3	cu.-N. ENE	Cu.-N. SW	
6	24.4	35.1	Calm		SSW	1	Cu.	Cu.-N. S	0.8
7	25	34.6	Calm		SW	1	Cu.	Cu. E	58.4
8	24.4	31.4	Calm		W	2	Cu.	cu.-N. WSW	.8
9	24.5	28.9	Calm		SSW	1	cu.-N. ENE	Cu. NW	
10	24.7	33	Calm		SW	1	Cu.	Cu.-N. E	
11	25.4	31.5	Calm		ESE	2	Cu.-N. SE	Cu.-N.	
12	23.9	33.3	Calm		SSE	2	Cu.-N.	cu.-N. ESE	4.6
13	23.8	29.9	Calm		SSW	1	N. SW	Cu.-N. S	.5
14	24.2	30.4	Calm		WSW	2	S.-Cu. SSW	Cu.-N. SW	4.6
15	23.4	31.1	Calm		SE	1	Fr.-N.	cu.-N. WSW	
16	24.4	31.6	Calm		SW	1	Cu.	Cu.-N. W	
17	24.3	31.2	Calm		W	2	Cu.	Cu. WSW	
18	25.1	31.8	Calm		WSW	2	cu.-N. WSW	Cu. WSW	6.1
19	25.1	29.6	Calm		W	4	cu.-N. WSW	Cu.-N. W	25.4
20	24.6	28.4	SSW	1	WNW	2	Cu.-N. SW	Cu.-N. W	
21	24.8	30.1	Calm		W	3	cu.-N. WSW	cu.-N. WSW	
22	23.5	31.7	Calm		NW	1	Cu. SW	Cu.-N. W	
23	24.9	32.4	Calm		NW	1	Cu.	Cu.-N. S	
24	24.4	31.3	Calm		WNW	2	Cu.	Fr.-Cu. NW	
25	24.4	33.2	Calm		SW	2	Cu.-N. S	Cu. W	
26	24.7	31.5	Calm		SW	1	Cu.-N. S	Cu.-N. S	
27	24.9	32.8	Calm		W	2	Cu.-N. S	Cu.-N. S	.5
28	25.1	30.8	Calm		WSW	1	Cu.-N. SSE	Cu.-N. W	
29	24.4	32.3	Calm		WSW	2	Cu.-N. SW	Cu.-N. SW	30.5
30	24.4	29.6	Calm		SSW	1	Cu.	cu.-N. SSW	
31									
Mean	24.5	31.5		0		1.6			
Total									132.2

JULY.

Day.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, form and direction. 6 a. m.	Lower clouds, form and direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	°C.	°C.							mm.
1	23.6	30.9	Calm		S	1	Cu. SE	Cu.-N. SSE	33.8
2	24.4	32.2	Calm		SSE	2	Cu.	Cu. SE	
3	24	28	Calm		SSE	1	Cu.	Cu.-N. SE	17
4	23.9	28.7	Calm		SSW	1	Cu.	Cu.-N. SSE	22.9
5	23.7	30.2	ENE	1	SE	1	Cu. ENE	Cu.-N. SSE	20.8
6	23.4	32.1	Calm		SE	1	Cu.	cu.-N. ESE	
7	24	29.4	Calm		N	1	Cu.	cu.-N. NNE	4.3
8	22.8	27.6	Calm		SW	1	Cu. E	cu.-N. ESE	6.3
9	23.2	27.4	ENE	1	Calm		N. ESE	Cu.-N. NE	2.8
10	23.4	29.3	ENE	1	ESE	2	N. SE	Cu.-N. SSE	
11	23.8	29.4	Calm		SE	1	S.-Cu. E	Cu.-N. NE	
12	23.2	31.9	Calm		SE	1	Cu.-N.	Cu. SSE	
13	23	30.4	Calm		NW	1	Cu.-N.	Cu. NE	18.3
14	23.7	31	Calm		SE	1	S.-Cu. ESE	Cu.-N. ESE	.3
15	23.4	32.5	Calm		SSE	1	Cu.-N.	Cu.-N. SE	
16	23.5	22.6	Calm		Calm		Cu.	N.	16.5
17	22.5	25.4	Calm		ENE	1	cu.-N. ENE	Cu.-N.	4.6
18	22.5	26.4	Calm		W	1	N. NE	N. NE	6.3
19	23	28.9	Calm		Calm		N. ENE	cu.-N. ENE	35
20	22.8	29.2	Calm		SW	2	Cu.-N.	Cu.-N. SW	17.8
21	23.7	25.6	SW	1	SW	4	Fr.-Cu. SSW	N. SW	12.9
22	23.4	24	Calm		SSW	2	N. SW	N. SW	17.2
23	23.6	26.5	Calm		SSW	2	S.-Cu.	Cu.-N. SW	26.2
24	23.8	28.4	Calm		WSW	3	S.-Cu. SW	cu.-N. WSW	.5
25	23.4	25.7	Calm		W	2	S.-Cu.	Cu.-N. W	.5
26	22.6	28.6	Calm		SW	2	Cu.	Cu. WSW	
27	23.2	27.9	NE	2	W	1	cu.-N. ENE	Cu.-N. NE	19.8
28	22.6	25.7	Calm		W	1	N.	N.	7.9
29	22.4	24	Calm		SSW	1	S.-Cu.	N. SW	78.7
30	22.5	22.6	Calm		W	2	N. SW	N. WNW	48.8
31	23.3	22.8	Calm		Calm		Fr.-N. SW	N. SSW	175.6
Mean	23.3	27.9		0.2		1.3			
Total									594.8

AUGUST.

Day.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, form and direction. 6 a. m.	Lower clouds, form and direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	°C.	°C.							mm.
1	22.2	24.4	SW	6	SSW	2	N. SW	N. SW	57.7
2	22.8	25.1	SW	2	SSW	2	N. SW	Fr.-N. SW	12.2
3	23.6	26.9	Calm		SSW	1	Cu. SW	Cu.-N. SW	31.3
4	22.4	27	Calm		W	1	S.-Cu. SW	S.-Cu. WSW	1.8
5	22.7	28.4	Calm		W	2	S.-Cu.	cu.-N. WSW	2.5
6	22.4	27.6	Calm		W	2	Cu.-N. SW	Cu.-N. SW	
7	22.9	28.3	Calm		WSW	2	Cu.	Cu.-N. W	8.9
8	22.4	29.3	Calm		W	2	cu.-N. WSW	Cu. WNW	6.4
9	23.2	27.4	Calm		S	2	Cu.	N. WSW	20.8
10	23.1	27.2	Calm		SSW	2	N.	Cu.-N. SW	13.5
11	22.4	28.8	Calm		WSW	2	Fr.-N. WNW	Cu.-N. W	54.4
12	22.7	27.3	Calm		WSW	2	Fr.-N. SW	cu.-N. WSW	13.4
13	22.6	24.7	Calm		WSW	2	N. ESE	N. WSW	55.1
14	22.7	25.9	NW	1	W	3	N. W	N. W	55.9
15	22.9	26.8	Calm		W	2	N. WSW	cu.-N. WSW	1
16	23	27.6	Calm		SW	2	Cu.-N. W	cu.-N. WSW	
17	23.4	27.4	Calm		W	2	N. W	cu.-N. WSW	
18	23.9	28.7	Calm		W	2	cu.-N. WSW	Cu.-N. W	20.3
19	23.3	29.4	Calm		W	2	cu.-N. WSW	Cu. WNW	4.8
20	23.8	29.1	N	1	WSW	2	cu.-N. WSW	Cu.-N. W	1.3
21	24.1	27.7	Calm		W	1	N. SSW	cu.-N. WSW	2.1
22	23.7	29.2	Calm		W	2	N. WSW	cu.-N. WSW	6.9
23	23.5	28.5	Calm		WSW	3	Cu.-N. NW	cu.-N. WSW	2.3
24	23.2	25.8	SW	1	WSW	4	Cu.-N. SW	Fr.-N. WSW	10.2
25	23.4	25.2	N	1	SW	2	S.-Cu. W	N. SW	43.9
26	22.8	23.3	SW	1	SW	3	N. SW	N. SW	52.8
27	22.7	26.4	SE	1	SW	3	N. SW	N. SW	22.6
28	23.4	25	SSW	1	SW	1	S.-Cu. SW	N. SW	46.5
29	23.6	26.8	SW	3	SW	4	N. SW	Cu.-N. SW	23.1
30	23.8	26.5	SW	2	WSW	5	N. SW	cu.-N. WSW	25.4
31	24.4	24.2	SW	1	NW	4	cu.-N. WSW	N. NW	51.3
Mean	23.1	27		0.7		2.3			
Total									648.4

ANTIPOLO.

[ϕ=14° 36′ N; λ=121° 10′ E.]

SEPTEMBER.

Day.	Temperature. 6 a.m.	Temperature. 2 p.m.	Wind, direction and force (0-12). 6 a.m.		Wind, direction and force (0-12). 2 p.m.		Lower clouds, form and direction. 6 a.m.	Lower clouds, form and direction. 2 p.m.	Rain, 24 hrs. beginning 6 a.m.
	°C.	°C.							mm.
1	22.4	24.7	Calm		SW	2	N. SW	N. SW	11.2
2	22.7	25.1	Calm		SW	1	N. SW	Cu.-N. SW	4.6
3	22.7	24.6	Calm		SSW	1	Cu.-N. SW	N. SW	4
4	23.1	25.7	SE	1	S	1	S.-Cu. SSW	Cu.-N. SSW	3.8
5	22.7	30.1	Calm		S	1	Cu. SSW	Cu. WSW	9.4
6	22.4	30	Calm		W	1	Cu.	Cu. W	1
7	22.4	29	Calm		SE	1	Cu.	Cu.-N. NE	23.9
8	22.7	24.1	Calm		NW	2	Fr.-N. NW	Fr.-N. NW	69.9
9	22.4	26.3	Calm		W	1	Cu.-N. NE	Cu.-N. W	1.5
10	23.1	27.9	Calm		W	2	Cu.-N. WNW	Cu.-N. W	------
11	23.4	28	Calm		W	2	Cu.-N. W	Cu.-N. WSW	2.3
12	23.3	29	Calm		WSW	2	N.	Cu.-N. W	------
13	22.5	27.8	Calm		WSW	3	Cu.	Cu.-N. W	5.1
14	23.3	26.8	Calm		SW	2	Cu.-N. WSW	Cu.-N. WSW	.5
15	24.1	26.3	Calm		WSW	4	Cu.-N. WNW	Cu.-N. W	9.1
16	24.7	25.6	WSW	2	WSW	4	Fr.-N. WSW	N. WSW	14.2
17	23.8	25.7	SW	2	WSW	1	N. WSW	Cu.-N. WSW	10.2
18	22.9	29	Calm		SW	2	S.-Cu. WSW	Cu.-N. WSW	27.9
19	23.1	29.2	Calm		WSW	2	S.-Cu. WSW	Cu. W	.5
20	23.3	29.1	Calm		SW	2	Cu. W	Cu. WSW	------
21	23.5	28.5	Calm		WSW	3	Cu.-N. W	Fr.-Cu. W	3.6
22	22.5	29.8	Calm		WSW	2	Cu.	Cu. WSW	------
23	22.7	28.3	Calm		Calm		Cu.	Cu.-N.	62
24	22.3	27.2	Calm		Calm		S.-Cu. NE	Cu.-N. ENE	5.4
25	22.4	29	Calm		NW	2	S.-Cu.	Cu.-N. E	2.8
26	22.1	27.3	Calm		NW	1	Cu.-N.	Cu.-N. N	13.3
27	23.7	26.2	Calm		WSW	6	Cu.-N. W	N. WSW	21.1
28	24.1	27.5	WSW	2	SW	5	N. W	Cu.-N. SW	2
29	23.9	26.2	SW	2	SW	3	N. SW	Cu.-N. SW	39.8
30	23.5	23.4	WSW	1	WSW	3	N. SW	N. WSW	45.4
31									
Mean	23.1	27.2		0.3		2.1			
Total									394.5

OCTOBER.

Day.	Temperature. 6 a.m.	Temperature. 2 p.m.	Wind, direction and force (0-12). 6 a.m.		Wind, direction and force (0-12). 2 p.m.		Lower clouds, form and direction. 6 a.m.	Lower clouds, form and direction. 2 p.m.	Rain, 24 hrs. beginning 6 a.m.
	°C.	°C.							mm.
1	22.8	26.7	Calm		WSW	2	N. WSW	Cu.-N. WSW	5
2	22	29.4	Calm		W	2	S.-Cu.	Cu. W	------
3	22.7	25.5	Calm		SW	2	S.-Cu.	Cu.-N. WSW	25.4
4	23.1	28.1	Calm		S	2	N.	Cu.-N. SW	17.7
5	22.9	23.3	Calm		W	1	Cu.-N.	Cu.-N. WSW	4.8
6	23.2	25.4	Calm		W	1	S.-Cu. NE	Cu.-N. W	12.4
7	22.9	26.4	Calm		Calm		S.-Cu NE	Cu.	25.1
8	22.8	25.3	Calm		WNW	1	S.-Cu. NW	Cu.-N.WNW	3
9	23.3	28.4	Calm		W	2	S.-Cu. W	Cu. WSW	.5
10	23.9	27.6	Calm		WSW	2	Cu.-N. SSW	Cu.-N. W	------
11	23.4	27.1	Calm		SW	2	S.-Cu.	Cu.-N. SW	15.5
12	21.6	30.2	Calm		S	2	S.-Cu.	Cu. SSE	16.5
13	22.6	27.3	Calm		W	1	S.-Cu.	Cu.-N.WNW	5.6
14	22.7	27.3	Calm		Calm		S.-Cu. NE	Cu.-N. NE	.5
15	21.5	28.6	Calm		NNW	1	Cu. NE	Cu.-N.NNE	3.8
16	22.8	25	Calm		NW	1	Cu.-N. NE	N. NE	21.8
17	21.8	24.9	Calm		E	2	N. ENE	Cu.-N. E	21.1
18	23.3	31.2	ESE	1	SSE	2	S.-Cu. ESE	Cu.-N. SSW	3.6
19	23.4	27.4	Calm		W	1	Cu.-N. NE	Cu.	8.2
20	21.7	28.8	Calm		E	2	Fr.-Cu. NE	Cu. ENE	.3
21	22.3	22.9	Calm		Calm		Cu.-N. NE	N.	22.1
22	22.6	27.7	Calm		NNW	1	Fr.-N. NE	Cu.-N. NE	4.6
23	23.3	24.7	Calm		Calm		Cu.-N. NE	Cu.-N. NE	6.8
24	22.1	24.7	Calm		W	1	Cu.-N. NE	Cu.-N. NE	8.4
25	20.8	29	Calm		SW	2	Cu.	Cu.-N. NE	------
26	22.4	28	Calm		WSW	3	Cu.-N.NNW	Cu.-N. W	1.8
27	24.8	28.4	S	1	SSW	2	S.-Cu. SW	Cu.-N. SSW	------
28	23.2	31	E	1	SE	1	Cu. S	Cu.	------
29	21.6	30.4	Calm		S	1	Cu.	Cu. NNE	------
30	22.4	28.2	Calm		Calm		Cu. E	Cu.-N. NE	18.3
31	22.4	28.1	Calm		W	1	S.-Cu. ENE	Cu.-N. ESE	4.3
Mean	22.7	27.3		0.1		1.3			
Total									257.1

NOVEMBER.

Day.	Temperature. 6 a.m.	Temperature. 2 p.m.	Wind, direction and force (0-12). 6 a.m.		Wind, direction and force (0-12). 2 p.m.		Lower clouds, form and direction. 6 a.m.	Lower clouds, form and direction. 2 p.m.	Rain, 24 hrs. beginning 6 a.m.
	°C.	°C.							mm.
1	22.2	29.9	Calm		E	1	Cu.	Cu.-N. ENE	0.5
2	23.3	30.3	Calm		ENE	2	Cu.-N. NE	Cu. NE	1.3
3	23.4	30.6	E	1	SE	2	Cu. ESE	Fr.-Cu. SSE	------
4	22.2	28.5	Calm		SE	3	Cu. E	Cu.-N. ESE	------
5	20.1	30.3	Calm		ENE	1	Cu.	Cu. NE	------
6	21.7	23.4	Calm		NW	1	Cu.-N. NE	Cu.-N. NE	52.1
7	23.2	24.4	E	2	E	3	Cu.-N. E	N.-cf. ENE	5.8
8	22	29.9	E	1	E	3	Cu.-N. ENE	Cu.-N. ENE	.8
9	21	29.6	Calm		ENE	3	Cu.-N. ENE	Cu.-N. ENE	------
10	21.9	30.2	Calm		E	2	Fr.-Cu.ENE	Fr.-Cu.ENE	------
11	20.4	29.4	Calm		ENE	2	Fr.-Cu. NE	Cu.-N. ENE	------
12	22	30.9	Calm		ENE	3	Cu. ENE	Fr.-Cu.ENE	------
13	21.2	29.3	Calm		E	2	Fr.-Cu.ENE	Cu.-N. ENE	------
14	20.6	24.3	Calm		Calm		Cu.	Cu.-N. ENE	9.9
15	20.9	28.4	Calm		Calm		Fr.-Cu. E	N.-cf. NE	------
16	21.9	29.5	Calm		ESE	1	Fr.-Cu. NE	Cu. NE	.3
17	22.4	28.3	Calm		S	1	S.-Cu. NE	Cu.-N. ENE	------
18	21.7	28.4	Calm		W	2	Cu.	Cu.-N. SSW	14
19	21.1	29	Calm		W	1	Cu.	Cu.-N. ENE	------
20	21.8	28.9	Calm		W	1	S.-Cu. NE	Cu.-N. ENE	3.3
21	22.6	28.7	Calm		Calm		N.-cf. NE	S.-Cu. NE	------
22	20.2	28.2	Calm		NE	3	Cu.	Cu.-N. ENE	------
23	20.4	29	Calm		NE	4	Cu. NE	Fr.-Cu. NE	------
24	21.8	28	Calm		NE	4	N.-cf. NE	Cu.-N. ENE	------
25	22.8	22.5	N	2	Calm		Cu.-N. NE	N. NE	8.9
26	22.5	30.7	ESE	1	E	2	Fr.-Cu. S	Cu.	------
27	20.5	31	Calm		SE	1	Cu.	Cu. NE	------
28	22.2	29.4	Calm		NE	2	Cu.-N. ENE	Cu.-N. ENE	63.8
29	22.4	23.8	Calm		ENE	1	Cu.-N. E	N. ESE	38.1
30	22.7	27.3	Calm		SE	3	Cu.-N. SE	Cu.-N. SSE	8.4
31									
Mean	21.8	28.4		0.2		1.8			
Total									207.2

DECEMBER.

Day.	Temperature. 6 a.m.	Temperature. 2 p.m.	Wind, direction and force (0-12). 6 a.m.		Wind, direction and force (0-12). 2 p.m.		Lower clouds, form and direction. 6 a.m.	Lower clouds, form and direction. 2 p.m.	Rain, 24 hrs. beginning 6 a.m.
	°C.	°C.							mm.
1	22.3	30.4	E	1	SE	3	S.-Cu.	Cu. SSE	1
2	21	27.6	Calm		Calm		S.-Cu.	Cu. ESE	4
3	19.4	27.2	Calm		Calm		Fr-Cu. NE	Cu.-N. NW	------
4	20	26.9	Calm		W	1	Cu.	Cu.-N.NNW	------
5	22.4	28.4	Calm		WSW	1	Cu.-N. N	Cu. W	------
6	21.9	27.2	Calm		SW	1	S.-Cu. SE	Cu.-N. NW	------
7	20	28.4	Calm		Calm		Cu. NNE	Cu.-N.NNE	------
8	17.2	27	Calm		NNE	3	Cu.	Cu.-N. NE	------
9	19.2	28	Calm		E	2	N.-cf. NE	Cu. NE	------
10	21.2	25.7	Calm		ENE	3	S.-Cu. NE	Cu.-N. NE	------
11	21.1	25.2	Calm		ENE	1	S.-Cu. NE	Cu.-N. E	1
12	21.5	29.2	ENE	1	NE	4	Cu. NE	Cu. NE	------
13	21.9	29.3	Calm		NE	2	Cu.-N. NE	Cu. NE	------
14	20.2	29.3	Calm		NE	2	Cu.	Cu.-N. ENE	------
15	21.4	28.3	Calm		E	1	Cu. E	Cu.-N. ENE	------
16	20.5	29.5	Calm		NE	2	N.-cf. ENE	Cu. ENE	------
17	20.9	27.8	Calm		Calm		Cu.	Cu.-N. E	------
18	19.7	27.3	Calm		SSW	1	Cu.-N. NE	N.-cf. E	------
19	18.8	29.3	Calm		Calm		Cu.	Cu.-N. ENE	------
20	20.8	29	Calm		SSW	2	Cu.	Cu.-N. NE	------
21	21.4	29.7	Calm		SW	2	Cu. NE	Cu.-N. NE	------
22	20	27.6	Calm		NE	2	S.-Cu. E	S.-Cu. ENE	------
23	21	29.2	Calm		NE	3	S.-Cu. NNE	Fr.-Cu.ENE	------
24	20	26.8	Calm		ENE	2	S.-Cu. NE	Cu.-N. NE	.8
25	21.3	26.6	Calm		NE	2	Cu.-N. NE	Cu.-N. NE	7.1
26	21	22.4	Calm		NE	1	N.-cf. SW	Fr.-N. ENE	4.8
27	22.4	29.8	Calm		E	4	Fr.-Cu.ENE	Fr.-Cu.ENE	1
28	21.6	30.8	Calm		S	2	S.-Cu. ENE	Cu. SSE	------
29	20.4	27.5	Calm		NE	3	Cu.	Cu.-N. ENE	------
30	21.3	30.2	Calm		NE	2	Cu. NE	Cu.-N. NE	4.3
31	21.7	29.5	Calm		NE	4	Cu. NE	Cu. NE	8.9
Mean	20.8	28.1		0.1		1.8			
Total									32.9

IBA.

[ϕ=15° 20′ N; λ=119° 58′ E; barometer above sea, 4.8 meters; gravity correction not applied, —1.69 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	60.14	58.74	18.5	29.5	E 1	NW 4		E	
2	60.54	59.20	20.8	30.4	Calm	NW 3	E	E	
3	61.35	59.75	19.4	28.3	Calm	NW 2		E	
4	61.43	60.15	23.9	27	E 2	NNW 1	ENE	E	
5	60.58	59.34	22.6	30.2	Calm	NW 2			
6	60.70	59.17	18.5	30	Calm	WNW 2			
7	60.25	59.25	18.7	28.7	E 1	NW 2		E	
8	60.67	58.65	19.6	28.5	E 1	NW 3			
9	60.69	59.34	18.6	29	ENE 1	WNW 2			
10	61.19	59.97	19.6	29.2	Calm	NW 2			
11	62.09	60.56	23	29.8	Calm	WNW 2		E	
12	62.09	60.64	21	30.4	NE 1	NNW 2		E	2.4
13	61.94	60.27	21.7	29.4	Calm	NW 1	E	E	
14	62.42	61.16	21.3	29.6	NE 1	W 2			
15	62.06	61.21	19.9	29.4	E 1	NW 2		E	
16	63.12	61.94	19.5	29.4	Calm	NW 3		E	
17	62.82	62.37	19.4	29.7	NE 1	WNW 2			
18	62.99	61.36	19.5	29.5	E 1	NW 2			
19	63.42	62.24	19.4	29.5	ENE 1	NW 3			
20	62.95	61.82	19.2	29.5	E 1	WNW 2			
21	62.78	61.76	18.5	29.8	Calm	WNW 2			
22	61.90	61.47	21.8	29.6	E 3	WNW 2		E	
23	61.91	61.54	17	29.4	E 1	WNW 2			
24	62.88	61.56	16.6	30	E 1	NW 2			
25	62.39	61.47	14.8	29.4	Calm	NW 3		E	
26	62.57	61.91	17.9	29.6	ENE 1	WNW 2			
27	63.94	62.71	17.7	29.8	ENE 1	NW 3			
28	63.78	62.15	17.9	29.4	Calm	NW 3			
29	63.40	61.60	18	29.4	Calm	NW 2			5.5
30	62.44	61.33	20.2	28.7	NE 1	NW 2		ENE	1.8
31	62.50	61.16	21.3	28	E 1	NW 3	ENE	E	
Mean	62.06	60.83	19.5	29.4	0.7	2.3			
Total									9.7

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	62.43	61.25	19.4	29	NE 1	NNW 4			
2	62.64	61.55	21.4	28.8	Calm	NW 5			
3	62.62	61.81	18	26	NE 1	NW 3			
4	62.75	61.77	17	26.8	NNE 1	NW 1		E	
5	62.74	62.25	19.5	28.5	E 1	NW 2	E	E	
6	63.47	62.40	18.8	28.7	Calm	NW 3		E	
7	63.63	62.42	18.5	29	ENE 1	NNW 2		E	
8	63.87	61.83	19.3	28.5	E 1	NW 2			
9	63.13	61	19	29.5	Calm	NNW 3			
10	62.27	60.29	18.6	28	Calm	NW 4			
11	61.24	60.47	18.5	28.6	Calm	NW 3			
12	60.92	59.24	19	29.5	Calm	NW 2			
13	59.97	58.44	18.2	29.7	E 1	WNW 2			
14	59.74	58.40	18	29.7	Calm	NW 2			
15	59.40	58.45	18	29.4	Calm	NW 2			
16	59.67	58.49	20	30.8	NE 1	WNW 3			
17	59.74	58.73	21	29.7	Calm	WNW 2			
18	60.13	59.54	21.5	31.3	NE 1	NW 2			.3
19	61.07	60.25	21.8	30.6	E 1	NW 3			
20	60.66	59.55	24	29.6	NE 5	NW 3		ENE	3
21	61.43	59.84	21.9	30.5	SE 1	NW 3		E	.5
22	61.42	60.15	22.6	31	E 1	NW 3	E	E	
23	60.65	59.56	19.5	30	ESE 2	NW 3			
24	59.88	58.21	22.8	31.6	NE 2	NW 2	E		
25	60.08	58.91	20.5	30.1	ENE 1	NW 2			
26	59.82	58.95	18.7	30.4	E 1	NNW 2			
27	59.52	58.62	18.3	30	NE 1	NNW 2			
28	59.55	57.96	21	30.9	SE 2	NW 3		E	
29	58.88	58.05	23	31.3	E 2	NW 2			
30									
31									
Mean	61.15	59.94	19.9	29.6	1	2.6			
Total									3.8

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	60	58.75	19	31	E 1	WNW 3			
2	60.64	59.83	19.5	31.3	E 2	NW 3			
3	61.45	60.28	19.9	31.8	E 1	NW 3			
4	61.13	60.11	21.1	30	E 1	NW 2			
5	59.99	59.05	20.1	31.4	ESE 2	NW 2			
6	60.62	59.45	19.6	31	E 1	NW 2			
7	60.79	59.79	20.3	31.5	Calm	NWW 2			
8	60.81	60.18	23	32	ENE 1	NW 2		E	
9	61.89	60.83	22.9	31.5	E 1	NW 2		E	
10	61.41	59.73	22	31.4	Calm	NW 3			
11	59.88	58.68	20	30.5	ESE 1	NW 3		E	
12	58.10	57.63	19.4	30.8	Calm	SW 3			
13	58.61	57.96	18.3	31.5	SE 1	WNW 2			
14	59.23	58.54	20.4	31.7	E 1	NW 3			
15	59.81	59.21	20.6	30.5	ENE 1	NNW 4		ENE	1.9
16	59.98	59.44	21.3	26.6	Calm	NNE 2		E	.2
17	60.67	59.51	22.2	29	Calm	NW 3			
18	61.21	60.46	23.6	29	Calm	NW 2	NE		.4
19	61.56	60.65	23.5	29.5	ESE 2	WNW 2		E	
20	61.07	59.95	20.6	30.5	Calm	NW 3			
21	61.96	61.10	20.6	31.8	NE 1	WNW 4		E	
22	62.37	60.63	23.9	31	SE 2	NW 4		E	
23	61.86	59.71	20	32.5	E 2	WNW 3			
24	61.56	60.64	20.5	31.6	ESE 1	NW 2			
25	62.02	60.59	20.5	31.4	Calm	NW 3		E	
26	61.79	58.59	24.4	36	SE 2	SE 4			
27	61.34	60.33	22.3	32.3	SE 2	WNW 2			
28	60.97	59.83	23	32	SE 2	W 2			
29	60.83	60.36	23.7	31.5	SE 2	NW 4		E	
30	61.34	59.90	19.6	32.2	NE 1	NW 3		E	
31	61.01	59.86	24.4	34	E 4	NNW 2		E	
Mean	60.84	59.73	21.3	31.3	1.1	2.7			
Total									2.5

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	60.43	59.14	22.4	32	E 1	NW 3			
2	61.34	59.83	19.8	31.4	E 1	WNW 3		E	
3	61.17	60.03	24	32.3	E 1	W 2	ENE		
4	60.28	58.36	20	32	Calm	WNW 2		E	
5	59.78	59.10	20.6	32.4	Calm	NW 3			
6	60.21	58.95	22.1	31.5	Calm	WNW 4			
7	60.48	59.95	23	29.5	Calm	WNW 1			
8	60.26	59.48	23.3	31.5	Calm	WNW 3			1
9	60.73	60.09	23	32.2	Calm	WNW 2			
10	61.92	60.70	22.5	32.5	E 1	NW 3			
11	62.08	60.95	23.9	31.4	ENE 1	SW 2			
12	62.42	60.96	24	31.4	Calm	NW 3		E	
13	62.31	61.12	25.9	33.1	SE 3	E 3		E	
14	62.78	60.63	22	31.2	E 1	NW 3		E	
15	61.52	59.68	25	31.7	ESE 2	NW 2			
16	60.92	60.24	22	31.5	ESE 1	WNW 2		ENE	
17	61.21	60.15	21	31	Calm	NW 2		ENE	
18	60.92	59.98	24.6	31.5	E 2	NW 3	NE		
19	60.48	59.31	24	32	SE 1	WNW 2	ENE	E	
20	59.67	58.58	23.5	32.4	E 1	NW 2		E	
21	59.48	58.48	24	33	E 1	NW 3			
22	59.86	58.67	21	33	ESE 1	WNW 2			
23	59.33	58.09	24.5	32.5	E 1	W 3			
24	59.37	57.82	21.5	32.5	ENE 1	W 3			
25	58.76	57.99	24.6	32.8	E 2	W 3			
26	59.30	58.63	22.2	32.5	E 1	NW 2		E	
27	59.17	58.28	25.8	33	SE 1	W 3			
28	59.96	58.39	21.5	33	Calm	W 2			
29	58.85	57.33	26	33	ESE 2	W 2			
30	57.76	56.16	26	33	Calm	SW 2	SE		22.9
31									
Mean	60.42	59.24	23.1	32.1	0.9	2.5			
Total									23.9

IBA.

[ϕ=15° 20′ N; λ=119° 58′ E; barometer above sea, 4.8 meters; gravity correction not applied, —1.69 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	57.61	56.65	25.4	31.5	NE 1	SW 2	-------	E	24.7
2	57.88	57.58	26.5	32.3	SE 2	W 3	-------	-------	
3	59.82	59.12	24.4	32.2	ESE 2	WNW 3	-------	-------	7.4
4	60.47	59.10	24.9	31.7	E 1	SW 2	ENE	-------	
5	59.25	58.25	25.5	31.3	Calm	SSW 2	-------	-------	
6	58.34	57.59	24.4	31.9	Calm	W 3	-------	-------	
7	58.72	57.96	22	31.5	NE 1	W 3	-------	-------	
8	58.88	58.35	24.1	32	Calm	WNW 3	-------	-------	20.1
9	58.05	57.19	23.2	32.1	Calm	WNW 2	-------	-------	
10	59.03	58.29	25	32	ESE 2	WSW 2	SE	-------	
11	59.68	58.75	25.5	32.2	SE 2	W 3	-------	E	
12	59.07	58.09	23.9	32	Calm	NW 3	-------	-------	
13	58.50	57.86	24.2	30.8	ESE 1	NNW 3	ESE	-------	
14	58.45	57.84	23.4	32.5	NE 1	WSW 3	-------	-------	
15	58.67	58.26	22.2	32	ESE 1	SW 3	-------	-------	
16	58.08	58.33	22.4	32.3	SE 1	SW 2	-------	-------	
17	58.52	57.90	22.1	32.8	ESE 1	SW 3	-------	-------	
18	58.57	58.38	22.2	33	E 1	WNW 4	-------	-------	
19	58.61	57.69	24.9	32.8	E 1	WSW 3	-------	-------	
20	57.79	56.88	25.3	30.8	ESE 1	NW 2	ENE	-------	.5
21	58.26	57.54	25	27.4	NE 1	NE 1	SSE	-------	
22	58.48	57.43	23.6	33	SE 1	NW 4	-------	-------	
23	58.45	57.64	23.4	33.4	Calm	NW 3	-------	-------	
24	58.19	57.18	23.5	31.3	Calm	NW 2	-------	-------	
25	57.64	55.80	24	30.2	Calm	SW 2	-------	WNW	1.6
26	56.72	56.79	25.6	29.5	ESE 1	W 1	-------	WNW	15.4
27	56.98	56.84	23.9	32.5	ESE 1	WNW 2	-------	W	
28	58.26	57.40	24.1	31.5	ENE 1	SW 2	-------	-------	
29	58.97	57.74	24.5	32.2	Calm	SW 2	-------	-------	
30	58.58	57.33	25.5	32.4	ESE 1	SW 3	S	-------	.1
31	58.45	57.93	26.1	30	SE 1	SW 2	W	-------	
Mean	58.48	57.73	24.2	31.7	0.8	2.5	-------	-------	
Total	------	------	------	------	----------	----------	-------	-------	69.8

JUNE.

Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
mm.	*mm.*	*°C.*	*°C.*					*mm.*
58.26	58.04	24.2	30.4	E 1	SSE 2	-------	-------	
59.51	58.33	24.2	33	SE 1	NNW 2	-------	-------	
59.12	58.03	24.9	33	E 1	swbyw 4	-------	WNW	0.8
57.70	56.91	24.5	33.4	SE 1	SW 4	-------	SW	1.8
57.37	57.13	25.8	30.4	SE 2	SW 2	-------	SW	
58.02	56.48	25	32.8	SE 2	SSW 4	-------	WSW	7.5
57.84	55.99	25	31.8	SE 2	SW 3	-------	-------	4.4
57.61	56.97	25.1	28.8	NE 1	SSE 1	W	-------	3.3
57.98	57.76	24.5	27.6	SE 1	S 2	-------	WSW	
58.68	56.90	23.5	31.5	SE 2	SSW 4	-------	-------	5.1
58.23	57.18	24.6	32.7	SE 1	SW 3	-------	SE	42
58.63	56.55	25.4	30.8	SSE 1	SW 3	-------	SW	44.4
58.53	57.15	24.8	29	SSE 1	SW 4	SW	SW	36.1
59.12	57.60	24	30.4	WSW 2	SW 2	W	WSW	2.7
57.43	56.98	24	31	SE 2	S 4	-------	SSW	3.4
56.40	56.75	24.8	30.2	SE 2	S 4	SW	SW	3.5
56.35	55.82	24.1	31	ESE 1	SSW 2	SW	-------	29.1
56.84	56.96	25	26.1	SE 2	SW 2	SW	SW	47.1
56.82	56.75	25.2	26.5	SE 1	SW 4	SW	-------	22.7
56.74	55.87	24.5	30.7	E 2	S 4	SW	SW	22
56.32	56.80	24.5	28	ESE 1	S 3	SW	WSW	14.6
56.29	56.79	24.3	30.6	SE 3	S 4	-------	-------	
57.82	56.60	24.4	30.4	SE 1	SW 2	SW	-------	4.9
56.99	56.92	23.6	27.9	SE 2	SSW 2	-------	SW	
57.43	56.60	24.4	31.5	SE 2	SW 3	-------	-------	
57.42	57.38	24.4	31.4	ESE 2	SSW 2	-------	-------	
57.47	56.63	25	31	SE 2	SW 4	-------	-------	19.4
56.61	56.17	25	30.5	SE 2	SSW 4	S	SW	5.7
56.89	56.60	24.5	28.5	ESE 2	SW 3	-------	-------	.2
57.84	57.06	24.5	30.5	ESE 1	SSW 3	-------	-------	
57.61	56.92	24.6	30.4	1.6	3	-------	-------	
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JULY.

	mm.	*mm.*	*°C.*	*°C.*						*mm.*
1	57.53	56.65	25.3	30.8	SE 2	SSW 4	-------	S		
2	56.88	55.96	25.2	31.8	SE 2	SSW 4	-------	SW		24.6
3	57.27	56.66	24.4	31	SE 2	S 4	-------	SE		42.9
4	58.19	57.76	24.4	28.6	Calm	S 4	SE	SE		1.5
5	58.42	57.79	24.3	29.9	SE 1	SSW 4	-------	SW		2
6	57.84	56.73	23.8	31	SE 1	SSW 4	-------	-------		
7	57.43	56.06	23.4	31.5	E 2	SW 3	-------	W		9.3
8	56.87	56.32	24.2	29	SSE 2	WSW 2	-------	W		22.6
9	56.48	56.20	23.3	29.5	Calm	NW 1	-------	-------		.5
10	56.69	56.20	25.5	31	SE 1	SSW 2	-------	SSE		24.8
11	57.54	57.65	25.4	27	SE 2	NNE 3	-------	SW		8.7
12	57.29	57.01	23.1	30.5	Calm	SW 2	-------	-------		.5
13	57.28	56.83	23.3	31.8	Calm	SW 2	-------	-------		
14	57.10	56.81	24.1	31	ENE 1	SW 2	-------	-------		9.4
15	57.87	56.55	23	31.3	SE 1	SW 2	-------	SW		23.3
16	57.74	56.91	23.3	30.8	E 1	SSW 2	-------	SW		21.4
17	57.64	57.09	22.6	29.8	E 1	SW 2	-------	NE		35.8
18	56.82	55.47	23.9	30.4	Calm	NW 2	-------	E		3.8
19	54.17	52.58	24.4	32	E 1	SE 2	ENE	SSE		
20	53.53	53.46	25.6	26.8	SE 2	S 2	SSE	SW		38.3
21	53.98	54.05	24.4	25.2	SE 2	SSW 4	SSW	SW		102.4
22	54.82	54.68	24.4	27.5	SE 2	S 3	SW	SW		62.6
23	54.85	54.82	24.9	25	SSE 3	SE 2	SW	SW		121.8
24	55.63	56.18	24.5	26.3	SE 2	S 2	SSW	SW		100.6
25	56.76	57.02	23	26.9	SE 2	ESE 2	-------	-------		17
26	57.35	56.69	24	29.3	S 1	SE 1	SW	SSW		
27	56.36	55.55	23.9	29	SSE 1	NW 1	SSE	NE		1.1
28	55.03	55.07	24.3	27.2	Calm	Calm -------	-------	-------		6.9
29	55.44	55.49	23.6	26.3	SE 2	ESE 2	-------	-------		11.8
30	56.29	56.70	23.7	25.9	SE 1	S 3	WSW	SW		58.6
31	55.75	55.76	25.5	25.5	WSW 3	W 1	WSW	W		32.5
Mean	56.54	56.09	24.2	29	1.3	2.4	-------	-------		106.2
Total	------	------	------	------	----------	----------	-------	-------		890.9

AUGUST.

	mm.	*mm.*	*°C.*	*°C.*						*mm.*
1	54.09	54.67	26	26.1	SW 4	SW 3	WSW	W		73.6
2	54.98	55.68	25.6	27	SSW 3	SSW 4	WSW	WSW		83
3	56.27	57.18	26	26.2	SSW 4	S 2	SW	SW		99.1
4	57.45	56.67	24	28	SE 2	SSW 3	SSW	-------		
5	56.49	56.60	23.1	30	SE 2	SSW 4	-------	SSW		4.1
6	57.69	57.80	23.6	29.6	SE 2	S 2	-------	-------		28.4
7	59.18	58.13	23.4	29.8	E 1	NE 2	-------	-------		11.4
8	58.11	57.15	23.4	28.4	ESE 1	NW 2	-------	-------		
9	56.89	56.45	23.1	28.8	ESE 2	SW 2	-------	WSW		.5
10	57.44	56.47	23.6	28.4	Calm	SW 2	-------	WSW		9.1
11	57.09	56.86	22.9	24.7	NE 1	W 3	-------	W		33.7
12	55.95	54.69	23.3	27.9	ESE 2	SSW 2	-------	-------		14.2
13	54.10	54.22	22.5	29.4	ESE 1	SSW 3	-------	SW		33.9
14	55.41	55.56	23.7	27.8	Calm	SSW 2	W	W		17.8
15	56.83	57.18	24.2	26.6	SE 1	ESE 1	SW	SW		3.2
16	57.88	57.07	23.9	29.1	SE 2	SSW 3	S	SSW		
17	56.93	56.52	23.5	28.5	ESE 1	SW 2	-------	WSW		19.2
18	56.50	56.36	23.5	28	ESE 1	SW 1	-------	-------		50.8
19	56.33	55.82	24.4	30	Calm	SW 3	-------	-------		17
20	56.77	55.90	24.3	28.6	SE 1	SSW 3	SW	-------		
21	56.57	56.63	24.6	29.3	SE 2	S 3	SW	W		8.5
22	57.25	56.27	24.4	28.8	SE 1	SW 3	SW	SW		13.1
23	55.87	55.47	24.4	28	SE 2	S 1	SSW	SW		44.7
24	56.70	56.45	24	27	SSE 1	S 4	WSW	SW		57.9
25	56.94	55.83	23.8	25	ENE 2	SE 1	WSW	W		126.2
26	54.79	53.28	23.9	27	Calm	N 2	W	WNW		12
27	52.40	52.24	24	24.8	SE 1	N 2	SW	-------		207.5
28	52.21	52.52	23.8	25.9	NE 1	SSW 3	SW	SW		67.5
29	53.67	53.86	26.4	29	SW 4	SW 3	SW	SW		58.5
30	54.89	54.84	26	27.5	SW 2	SSW 3	SW	SW		70.3
31	53.49	53.14	27	28.2	SW 4	W 4	SW	WSW		195
Mean	56.04	55.73	24.2	27.9	1.6	2.5	-------	-------		
Total	------	------	------	------	----------	----------	-------	-------		1360.2

IBA.

[$\phi = 15°\ 20'$ N; $\lambda = 119°\ 58'$ E; barometer above sea, 4.8 meters; gravity correction not applied, —1.69 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	52.86	52.41	24	28	ENE 1	NNE 2	W	WNW	53.1
2	53.68	52.90	24	28	S 1	SSW 2	------	SW	53.3
3	53.22	53.09	23.4	24.6	SE 2	S 4	SW	SSW	46.4
4	54.09	53.92	24.5	29	SE 2	S 5	SSW	SSW	25.7
5	55.39	55.82	24.4	29.5	SE 2	S 4	S	S	3
6	57.89	57.20	24	30	SSE 1	SSW 2	SSW	------	2.3
7	58.04	56.19	23.5	30	Calm	NW 4	NW	NW	5.3
8	57.28	56.59	23.5	25	Calm	E 1	------	------	11.2
9	57.14	56.95	23.6	29	NE 1	SW 3	------	WSW	7.1
10	57.56	56.46	23.5	29.5	E 1	SW 2	SW	------	28.3
11	56.60	55.87	24	27.6	E 1	SE 2	------	SW	63.1
12	56.80	56.10	23	29.9	E 1	SSE 1	------	------	3.9
13	56.06	55.16	23.5	28.6	E 1	SW 2	------	W	3.2
14	54.24	52.52	23.8	30	Calm	W 2	------	------	1.1
15	51.49	50.70	24.4	26.4	Calm	NNE 2	NW	NW	9.7
16	51.92	51.70	27.4	30.4	NW 2	NW 3	WNW	WNW	.8
17	53.84	54.24	27	30	SW 2	SW 2	SW	SW	8.5
18	55.62	54.59	24.3	30	SE 2	SW 3	SW	------	12.5
19	54.82	53.84	24.3	29.6	Calm	SW 2	------	WNW	1
20	54.95	54.27	23	29.8	Calm	SW 2	------	NW	1.3
21	56.28	56.14	23.9	30.2	ESE 1	W 2	SW	W	.6
22	58.24	57.67	22.3	30.5	Calm	W 2	------	------	------
23	59.48	57.96	22.3	30	Calm	SW 3	------	W	.8
24	58.68	57.60	22.6	30.5	ESE 1	W 2	------	ENE	1
25	57.63	56.99	23.8	30.2	Calm	W 1	NE	ENE	11.7
26	57.36	56.09	22	30.8	Calm	NW 2	------	NNE	------
27	55.11	53.76	23	28.4	SE 1	WNW 2	------	NW	18.7
28	55.62	55.02	25	30.2	NW 3	NW 4	WNW	NW	13.2
29	56.19	55.46	24.1	28.5	NE 1	SSW 5	W	SW	121.2
30	56.04	56.30	23.6	27.4	Calm	SSE 2	W	SW	79.6
31	------	------	------	------	------	------	------	------	------
Mean	55.80	55.12	23.9	29.1	0.9	2.5	------	------	------
Total	------	------	------	------	------	------	------	------	587.6

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	57.84	57.54	23.6	23.6	SE 2	ENE 1	SW	------	103.4
2	58.77	57.70	22.6	29	E 2	S 2	------	------	7.1
3	58.74	58.73	24	26	SSE 2	S 2	S	SW	101.1
4	58.44	56.90	24.3	29.6	Calm	SSW 2	W	------	------
5	58.03	57.05	23	30.2	Calm	SW 2	------	------	9.1
6	58	57.50	22.5	28.5	SE 1	Calm	------	------	2.8
7	58.87	58.12	23	30	ESE 1	SW 2	------	NW	11.2
8	59.35	57.55	24.5	28.3	SE 2	SW 1	------	------	43.4
9	57.09	55.95	23.4	26.8	Calm	SW 1	NW	W	7.7
10	56.13	55.15	23.8	27.5	Calm	ESE 2	N	NNW	6.1
11	54.80	54.22	24	24.6	SSE 2	SW 3	------	SW	61.2
12	56.95	56.83	23.6	29.4	SE 3	S 3	------	S	------
13	58.36	56.81	23	29.3	Calm	NW 3	------	------	4.1
14	56.88	55.97	23	30.2	Calm	NW 2	NW	ENE	6.9
15	56.50	54.96	22	30.6	Calm	NW 2	------	ENE	------
16	56.53	54.77	23.1	30.5	NE 1	NW 2	------	NE	3
17	55.13	54.19	23.6	25.5	SE 1	E 2	E	E	10.5
18	57.71	57.50	23.6	29	ESE 3	S 4	SE	SE	------
19	59.46	58.62	22.7	28.4	NE 1	SW 1	------	E	11.6
20	59.38	57.67	22	30	E 1	NW 2	------	E	------
21	59.28	58.77	22	30.6	Calm	NW 2	------	E	.4
22	59.17	57.74	22.1	30.4	Calm	NW 3	------	E	------
23	58.81	57.24	22.9	30.2	Calm	WNW 2	------	------	1.3
24	58.71	57	22.5	30.6	Calm	NW 2	------	------	8.1
25	58.24	56.99	22	29.6	Calm	NW 2	------	NNE	------
26	56.99	55.84	21.9	29.8	Calm	WSW 1	------	WNW	.8
27	55.95	56.56	24.8	27.9	NW 1	SSW 3	WNW	SW	15.6
28	59.05	58.35	24.5	29.4	SE 2	SW 3	SSW	------	------
29	58.78	57.94	22	30	SE 1	SW 2	SW	------	------
30	59.19	58.56	22.3	30	ENE 1	WNW 3	------	------	9.4
31	60.57	58.84	22	31	Calm	NW 3	------	NW	.5
Mean	57.99	57.02	23	28.9	0.9	2.1	------	------	------
Total	------	------	------	------	------	------	------	------	425.3

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	59.89	58.15	22.4	30.8	Calm	NW 2	------	ENE	1.6
2	58.98	57.31	22	31.5	Calm	NW 3	------	E	------
3	58.62	57.34	25.6	30.5	SE 3	SW 2	------	SE	5.3
4	59.12	57.71	22.1	30.5	E 1	W 2	------	E	14.6
5	59.77	58.73	22.6	30.5	Calm	W 2	------	E	------
6	58.97	56.95	21.4	29	E 1	W 2	------	E	.5
7	57.97	57.52	24.8	29.3	ESE 3	ESE 5	ESE	ESE	------
8	60.38	58.66	24.5	31	SE 2	E 2	SE	E	------
9	59.72	57.82	23	30.9	E 1	NW 2	E	E	------
10	58.88	57.50	21.8	30.6	ENE 2	NW 2	------	E	------
11	59.59	58.63	20.4	31.4	E 1	NW 2	------	E	------
12	60.08	58.35	21.6	31.5	Calm	WNW 2	------	E	------
13	58.88	57.62	21	30.4	EbyN 1	NW 3	------	NE	10.3
14	58.54	57.62	21.2	30	E 1	NW 2	------	E	2.8
15	59.49	58.25	21	30.6	Calm	NW 2	------	E	------
16	59.17	58.01	21.5	30.4	Calm	NW 2	------	------	------
17	58.49	57.42	21.7	30.6	Calm	NW 2	------	E	3.2
18	58.72	57.32	22.2	29.5	Calm	NW 3	------	E	.3
19	59.13	57.22	22	30.2	NE 1	NW 2	------	ENE	------
20	58.39	57	21.8	30	Calm	NW 2	------	E	16
21	57.91	57.14	22.4	29	Calm	NW 2	------	------	8.5
22	58.50	57.30	23.5	29	ESE 2	NW 3	------	------	.1
23	58.68	56.79	21.6	30	ENE 1	NW 3	------	NE	------
24	57.76	56.40	19.9	30.2	E 1	NNW 3	------	ESE	------
25	55.81	53.59	20.8	27.9	NE 1	N 2	------	E	------
26	55.82	55.31	25.3	31.8	SE 4	SSE 4	SE	SE	------
27	58.74	57.40	20	30.6	SE 1	NW 2	------	------	------
28	58.14	56.31	22.6	28	Calm	NW 2	ENE	E	------
29	56.08	55.27	25.5	26	SSE 2	SE 3	E	ESE	------
30	56.49	56.77	25.5	27.2	SE 5	SE 5	S	S	2.3
31	------	------	------	------	------	------	------	------	------
Mean	58.56	57.25	22.4	30	1.1	2.5	------	------	------
Total	------	------	------	------	------	------	------	------	65.5

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	59.14	58.50	23.8	30.2	SE 4	S 4	------	S	------
2	60.77	59.41	22	29.5	ESE 1	SW 2	------	------	------
3	59.97	57.84	22.5	29.5	ESE 1	NW 2	E	ENE	------
4	58.63	56.59	21.1	29	Calm	NW 3	------	------	------
5	57.25	56.32	21	30.5	Calm	NNW 3	------	------	------
6	58.89	58.32	20.4	30.5	Calm	NW 2	------	------	------
7	60.53	59.29	19.7	29	NE 1	NW 2	------	------	------
8	60.90	59.65	20.5	30.7	E 2	NW 4	------	E	------
9	60.99	60.38	19.9	28.2	Calm	NW 2	E	E	------
10	61.23	60.17	21	30	Calm	NW 3	E	E	------
11	60.84	60.51	20.6	27.3	E 1	WNW 2	------	E	------
12	60.79	60.05	23.7	30.5	ESE 2	NW 3	------	E	------
13	61.02	59.77	19.5	30.4	E 1	NW 3	------	------	------
14	61.92	60.73	19.8	31.4	Calm	NW 3	------	------	------
15	60.75	59.51	20.5	30.6	Calm	WNW 4	------	E	------
16	60.55	59.15	19.7	29.8	ENE 1	NW 4	------	E	------
17	60.25	58.74	18.5	30	E 1	NW 3	------	E	------
18	60.02	58.21	18.8	29.2	E 1	WNW 3	------	------	------
19	58.97	57.49	19.4	29.5	Calm	WNW 2	N	------	------
20	58.94	58.01	19.6	29.6	Calm	WNW 2	------	------	------
21	59.34	58.21	20	30	Calm	NW 3	------	------	------
22	59.89	58.39	19.5	30	Calm	NW 2	------	E	------
23	60.67	59.70	20	30	ENE 2	NW 2	------	------	------
24	60.52	59.37	19.4	29.5	Calm	NW 3	------	------	------
25	60.98	59.50	23.6	30.5	ESE 2	NW 3	------	------	------
26	60.83	59.46	27 ?	30.4	SE 2	W 2	E	------	------
27	60.13	58.99	24	30.6	SE 1	NW 3	------	------	------
28	60.99	60.11	21.5	30	ENE 1	NW 3	------	------	------
29	61.02	60.34	20	28.6	Calm	NW 3	E	E	------
30	61.38	60.67	22.5	29	E 1	NW 2	ENE	E	0.4
31	61.58	60.04	19.9	29.2	Calm	WNW 4	------	E	------
Mean	60.31	59.14	20.9	29.8	0.8	2.8	------	------	------
Total	------	------	------	------	------	------	------	------	.4

SAN FERNANDO, UNION.

[ϕ=16° 37′ N; λ=120° 19′ E; barometer above sea, 3 meters; gravity correction not applied, —1.65 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	60.53	60.01	19.6	29	Calm		NW	1		NE	
2	61.12	60.07	20.5	29.2	Calm		NW	1			
3	61.69	60.49	21.2	27.5	Calm		Calm			NE	
4	61.77	60.50	24.5	30	Calm		Calm		E	E	
5	61.19	60.05	21	30.1	Calm		NNW	1			
6	61.17	60.07	20.5	29	Calm		Calm				
7	61.09	59.80	19.7	29	Calm		W	1		NE	
8	61.07	59.12	20.3	28.8	Calm		W	1		E	
9	61	59.46	21.9	31.5	Calm		W	1		NE	
10	61.57	60.27	22.5	28.3	Calm		W	1			
11	62.64	61.03	23.2	28.8	Calm		WSW	1	NW		
12	62.62	61.03	21.7	29.7	SE	0	W	1	W		
13	62.39	60.87	22.5	29.4	Calm		W	1	E		
14	62.78	61.80	20.7	29.5	Calm		W	1		NE	
15	62.27	61.48	22.8	30	Calm		SW	1			
16	63.34	62.28	21.8	29.2	Calm		SW	1	NE		
17	63.08	62.37	24.3	30.5	Calm		SW	1	NE		
18	63.29	61.76	21	30.2	Calm		WSW	1			
19	63.68	62.75	22.5	29.5	Calm		SW	1	WSW		
20	63.33	62.16	21	30.3	Calm		Calm				
21	63.34	62.20	19.2	29.3	Calm		SW	1	NW		
22	62.60	61.67	18.6	29.2	Calm		SW	1			
23	62.34	61.79	19.7	29.4	Calm		WSW	0			
24	63.29	62.14	18.8	28.8	Calm		WSW	1			
25	63.08	62.02	18	28.8	Calm		W	1			
26	62.83	62.40	20.2	29.4	Calm		SW	1	SSW	SE	
27	64.94	63.42	18.2	29	Calm		WSW	1			
28	64.25	62.72	21.3	28.1	Calm		W	1	NE	NE	
29	63.70	61.88	19.6	28.9	Calm		SW	1		SE	
30	62.92	62.11	20.3	28.4	Calm		N	2	E	SE	
31	62.90	61.51	20.6	28.4	ESE	0	NW	1			
Mean	62.51	61.33	20.9	29.3		0		0.9			
Total											0

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	62.57	61.91	21	27.5	Calm		NW	3	SE	N	
2	63.79	63.37	23.2	25.3	NNW	3	NNW	3	N	N	
3	63.38	62.59	20.8	26.4	NE	1	NW	2			
4	63.19	62.53	17.8	27.2	Calm		NW	1			
5	63.30	62.84	19	27.2	ESE	0	WNW	1		SE	
6	64.02	63.03	21	28.6	Calm		NW	1		NE	
7	64.02	62.88	19.8	28.2	Calm		NW	1			
8	64.30	62.48	22.6	28.2	Calm		NW	2	SSE	SE	
9	63.69	61.99	21.5	27.1	Calm		WNW	2	SSE	SSE	
10	62.69	60.86	21.4	28.5	Calm		NW	2	SSE	SE	
11	61.80	61.16	19.8	28.4	Calm		NW	2	SSE		
12	61.24	59.55	20	29.8	Calm		WNW	2		SSE	
13	60.19	58.67	20	29.8	Calm		WNW	2		SSE	
14	60.07	59.22	20.4	28.7	Calm		WSW	2		SSE	
15	59.66	58.93	19.7	29	Calm		SSW	2			
16	60.24	58.88	19.8	30.1	Calm		SW	2		SSE	
17	60.17	59.22	21.7	29.8	Calm		SSE	2			
18	60.44	59.78	23	30.4	Calm		SSW	2	SSE	SE	
19	61.43	61.11	21.9	30.2	Calm		SW	2		SSE	
20	61.63	60.15	21.3	30.5	Calm		WNW	2	SE	SSE	
21	61.97	60.71	23.4	29.9	Calm		WSW	2	SSE	SE	
22	61.98	61.43	21	29.2	E	0	S	2	SSE	NNE	
23	61.29	60.10	20.1	29	Calm		W	2		NNW	
24	60.18	58.35	21.5	32.8	E	0	SW	2		SSE	
25	60.90	59.33	20.9	30.6	E	1	SSW	2	S	SSE	
26	60.30	59.46	19.7	29.6	E	0	WNW	2		SSE	
27	60.13	58.89	21	31.3	E	0	WSW	2	NNW		
28	59.74	58.62	21.1	29.1	E	0	WSW	2		SE	
29	59.35	59.03	20.8	30.1	Calm		WSW	2		SE	
Mean	61.64	60.59	20.9	29.1		0.2		1.9			
Total											0

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	60.33	58.99	21.8	32.6	Calm		SSW	1			
2	61.18	60.53	20.7	30.2	E	0	WNW	2	NNW	SE	
3	61.72	61.06	19.1	30.7	E	1	WNW	2			
4	61.52	60.40	22.6	29.5	E	0	WSW	2	NE	SE	
5	60.36	59.86	20.8	30.9	Calm		W	2		NE	
6	60.99	59.80	21.8	30.5	ENE	1	WSW	2		SE	
7	61.13	60.60	22	30.4	E	0	WSW	2		SE	
8	61.54	60.46	22	32.6	E	0	W	2	SSE	SE	
9	62.12	61.08	25.1	31.9	Calm		WNW	2	S	SSE	
10	61.60	59.57	25.4	32.9	E	0	SSW	2	SW		
11	60.04	59.03	23.6	30.9	Calm		W	2	NW	SSE	
12	58.31	57.82	22.9	31.7	E	0	WSW	2		SE	
13	59.08	58.11	21.4	31.2	E	1	NW	2	SSE	SSE	
14	59.90	58.91	20.9	31.2	Calm		WNW	2	SE		
15	60.09	59.52	22.3	31.7	ESE	1	WNW	2	SSE	SSE	
16	60.56	59.73	22.1	31.4	E	0	NW	3	SSE	SSE	
17	61.41	60.21	24.5	30	ENE	1	N	3	NW	NNE	
18	61.67	60.66	22.8	30.4	E	0	WNW	2	NNW	SE	
19	61.97	60.95	24	30.5	Calm		W	2	SE	SE	
20	61.68	60.39	21.8	31.3	E	0	WSW	2			3.6
21	62.34	61.75	24	31.1	Calm		WSW	2	SE	SSE	
22	62.83	61.12	21.8	31.3	Calm		WNW	2		SSE	
23	62.39	59.76	20.8	33.1	E	0	SW	2			
24	62.07	61.11	22	30.7	E	0	W	2	SE	SSE	
25	62.26	60.80	22.1	32.5	E	1	WNW	2		SE	
26	61.88	59.39	24.1	34.2	ESE	1	S	3			
27	61.88	60.81	21.1	31.3	ESE	1	NNW	2	NNE	SE	
28	61.54	60.24	21.1	32.3	E	0	WNW	2			
29	61.43	61.21	22.6	32	Calm		WSW	2		SE	
30	61.98	60.93	21.2	31.7	ESE	1	WNW	2	NNW		
31	61.48	60.58	20.8	31.2	ENE	1	NE	2			
Mean	61.27	60.17	22.2	31.4		0.3		2.1			
Total											3.6

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	61.13	59.71	20.3	32	ESE	1	NW	2			
2	61.79	59.92	22.9	32	Calm		SSW	2		SSE	
3	61.53	60.49	22.8	31.7	ESE	0	WSW	2	SSE	SE	
4	60.56	58.36	22	35.2	ESE	0	SSW	2	SE		
5	60.08	59.50	24.1	31.3	Calm		WSW	2		SSE	
6	60.61	59.46	23.6	31.6	ESE	1	N	2	SSE	SSE	
7	60.58	59.22	26.2	34	ESE	1	SSW	2	NNW	SE	
8	60.65	59.67	26	32.8	ESE	0	WSW	2	SW	SE	
9	60.90	60.24	25.7	31.9	Calm		SSW	2	SE	SE	
10	62.11	60.85	24.7	32.5	Calm		S	2	SE	SE	
11	62.27	61.18	25.5	33.1	E	1	NNE	2	SSE	SE	
12	62.41	61.16	25.6	31.2	Calm		W	2	NNW	SE	
13	62.63	61.93	23.8	32.7	E	0	NNE	2	ESE	SE	
14	63.46	61.40	24.8	32.8	NE	1	WNW	2		SE	
15	62.13	60.20	23.1	32.6	ENE	1	WNW	2	SE	SSE	
16	61.31	60.62	26.2	31	Calm		WSW	2	S	SE	
17	61.36	60.20	24.4	32.1	E	1	WNW	2		SE	
18	60.95	60.02	25.2	32.3	NNE	1	WNW	3	SSE	SE	
19	60.56	59.20	26	34.7	E	1	SSW	2	SSW	SSE	
20	60.10	59.04	24.9	33.1	ENE	0	WSW	2	SSE	SE	
21	59.82	58.83	24.4	33.5	Calm		WNW	2		SE	
22	60.18	58.96	24	35.7	Calm		SSW	2		SE	
23	59.93	58.43	24.8	34.3	ENE	0	SSW	2		SE	
24	59.62	58.02	25.5	33.7	Calm		WNW	2			
25	59.26	57.60	26.5	34	E	1	WNW	2	SE	SE	6.1
26	59.80	58.74	25.3	32.8	E	1	WSW	2	SE	SE	.5
27	59.26	58.50	26.5	34	E	1	W	2		SSE	1
28	60.01	58.58	24.5	32.3	Calm		NW	2		SE	
29	59.32	57.50	25	33.2	Calm		NE	2		SSE	
30	57.97	56.32	27.4	33	Calm		SSW	2	SSE	SSE	
Mean	60.74	59.46	24.7	32.9		0.4		2			
Total											7.6

SAN FERNANDO, UNION.

[ϕ=16° 37′ N; λ=120° 19′ E; barometer above sea, 3 meters; gravity correction not applied, —1.65 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	57.81	56.50	26	34.6	Calm		SSW	2	SSE	SSE	-------
2	58.44	57.75	26	35.4	Calm		WSW	2	-------	-------	-------
3	59.95	59.39	26	34.9	ESE	1	ENE	2	-------	SSE	-------
4	60.49	59.33	26.9	32.8	Calm		W	2	NNW	SE	-------
5	59.51	57.79	27.3	34.7	ESE	1	WSW	2	SSE	SE	-------
6	58.53	57.95	24	33.6	E	1	WNW	2	-------	S	-------
7	58.99	58.11	24	33.2	ENE	1	WSW	2	-------	-------	-------
8	58.99	58.74	25	30.3	ENE	0	WNW	2	SSW	SSE	-------
9	58.17	57.55	23.6	32.3	ENE	1	WNW	2	SE	SE	-------
10	59.62	58.64	26	34.5	ENE	1	SSW	2	SE	SE	-------
11	60.12	58.74	26.6	34.4	ENE	1	W	2	SSE	SE	-------
12	59.48	58.33	25.8	33.2	ENE	1	WNW	2	-------	SE	-------
13	58.78	57.91	26.2	33.5	ENE	0	NW	2	SSE	SSE	-------
14	58.45	57.97	26.9	34.5	Calm		SW	2	SSE	SE	-------
15	58.81	57.91	26.5	34.5	NE	0	WSW	2	SSE	-------	-------
16	58.17	58.28	26.8	34.6	NE	1	WNW	2	S	S	-------
17	58.78	57.88	26.4	34.1	NE	1	WSW	2	S	S	-------
18	58.96	58.63	26	34.3	Calm		W	2	-------	SE	-------
19	59.16	57.99	25.9	33.9	E	0	WNW	2	SE	SE	-------
20	58.08	57.24	25.5	33.7	Calm		WNW	2	-------	SE	1
21	58.59	57.54	25.3	33.7	E	0	WNW	2	-------	SSE	-------
22	58.86	58.09	25	33.4	ENE	1	WNW	2	SSE	SE	-------
23	58.64	57.48	25.3	33.3	NE	0	WNW	2	-------	SE	-------
24	58.27	57.24	25.7	33.3	Calm		W	2	SE	SE	-------
25	58.11	55.47	25.9	33.7	ENE	1	NW	2	NNE	SE	.8
26	57.21	56.54	26.4	31.1	E	1	WNW	2	NE	SE	-------
27	57.31	56.89	26.3	33.4	E	1	WSW	2	-------	SE	-------
28	58.41	57.57	27	34	E	1	SSW	2	SE	SE	.3
29	59.32	58	27.7	34.8	SSE	1	WSW	2	-------	SSE	-------
30	58.83	57.30	26.6	34.5	Calm		W	2	-------	SE	-------
31	58.50	57.65	27.2	33.6	Calm		WSW	2	SSE	SE	-------
Mean	58.75	57.82	26	33.7	0.5			2	-------	-------	-------
Total	------	------	------	------	----------		----------		-------	-------	2.1

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58.23	58.04	26.4	33.7	ESE	0	WSW	2	SE	SE	-------
2	59.65	58.44	27.4	34.3	Calm		WSW	2	SSE	SSE	-------
3	59.47	58.03	27.4	35.3	ESE	1	WSW	2	-------	SSE	-------
4	57.92	56.70	26.1	35.7	Calm		WSW	2	SSE	SSE	-------
5	------	------	------	------	----------		----------		-------	-------	-------
6	------	------	------	------	----------		----------		-------	-------	0.5
7	58.16	56.23	25.2	35.3	Calm		W	2	SE	SSE	-------
8	57.78	56.84	26	34.5	SE	0	SW	2	S	SSE	-------
9	58	57.28	26.6	34.1	Calm		WSW	2	SSE	SSE	1.8
10	58.95	57.03	26.4	34.2	S	1	SW	2	SSE	SSE	2.3
11	58.38	57.12	26	34.4	SSE	1	WSW	2	S	SSE	.5
12	58.83	56.35	26.6	33.8	E	1	W	2	SSE	SE	18.8
13	58.71	56.64	25.1	33.1	ESE	0	SW	2	SSE	SSE	.5
14	58.46	57.54	26.3	32	ESE	1	WSW	2	S	SSE	22.7
15	57.38	56.74	24.7	33.9	SSW	1	SSW	2	SSE	SSE	-------
16	56.53	57.01	26.3	32.6	SSE	0	WSW	2	SSW	SSW	-------
17	56.06	55.51	26.8	34.4	SSE	0	SW	2	SSW	SSE	-------
18	56.80	56.79	27.2	33.4	SSE	0	SW	2	S	S	-------
19	56.72	55.86	27.1	30.8	ESE	1	SE	2	SSE	S	31.2
20	56.18	55.76	27.5	33.5	SE	1	SE	2	S	S	21.6
21	56.55	56.75	26.5	29.5	Calm		WSW	1	SSW	SSW	.8
22	56.81	56.64	26.4	33	SSW	1	SW	2	SW	S	6.4
23	57.84	56.29	26.1	34.5	ESE	1	SW	2	S	S	8.4
24	57.22	56.54	25.6	33	ESE	1	WSW	2	S	S	-------
25	57.32	56.44	25.8	33.5	Calm		WSW	2	SE	SSE	-------
26	57.52	57.51	25.9	33.2	ESE	0	WSW	2	SSE	S	-------
27	57.60	56.49	26.9	33.4	SE	0	WSW	2	S	SSE	1.5
28	56.81	55.79	26.5	32	ESE	1	SW	2	S	S	-------
29	56.53	56.25	26.7	33.6	SSW	0	SW	2	S	SSE	45.5
30	57.86	57.26	25.4	32	Calm		WSW	2	SSE	SSE	7.4
31	------	------	------	------	----------		----------		-------	-------	-------
Mean	57.65	56.78	26.3	33.5	0.4			2	-------	-------	-------
Total	------	------	------	------	----------		----------		-------	-------	169.9[1]

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	57.49	56.34	25.7	32.9	Calm		SW	2	SSE	SSE	5.8
2	57.08	55.99	25	33	Calm		W	2	SSE	SSE	33.8
3	57.60	56.99	23.9	31.5	SE	0	WSW	1	S	SSE	18.8
4	58.84	57.57	25.9	32.6	Calm		SSW	1	S	SSE	2.8
5	59.03	57.31	25.3	32.1	Calm		SW	1	SSE	SE	21.6
6	57.97	57.11	24.5	31	Calm		W	2	S	SE	18
7	57.94	56.21	24.4	32.5	ESE	0	WSW	2	-------	S	1
8	57.03	56.68	24	28.9	Calm		SSW	1	SSE	SSE	2
9	56.80	56.80	23.8	28.8	Calm		SW	1	SSE	SE	-------
10	57.30	56.46	24.9	30	Calm		SSW	1	SSE	SSE	11.9
11	58	57.17	23.9	31.5	ESE	1	WSW	2	SSE	SSE	5.1
12	57.84	57.40	23.9	31.7	Calm		WSW	2	SSE	SSE	-------
13	57.55	57.15	23.7	32	ESE	0	WSW	2	SSE	SSE	-------
14	57.54	56.87	24.9	32.5	Calm		W	2	SSE	SSE	-------
15	58.07	56.67	25.4	32	Calm		WSW	2	S	SSE	.3
16	58.28	57.70	25.4	32.5	ESE	1	WSW	1	SSE	SSE	3.6
17	57.79	57.22	24.1	31.9	Calm		W	1	SSE	SSE	2.3
18	57.08	55.70	23.8	32	E	1	WSW	2	S	S	2.8
19	54.79	53.23	24	31.5	Calm		ESE	1	SW	SSE	-------
20	54.18	52.72	24.8	30.1	Calm		ENE	2	NNW	SSE	2
21	53.50	52.88	25.5	30.8	ESE	2	SE	3	SSE	SSE	27.9
22	54.44	54.61	26	28	SE	2	SE	2	S	S	.5
23	54.20	54.24	26.1	29.9	SE	2	S	2	SSE	SSW	17.8
24	55.64	55.82	25	29.3	E	2	ESE	2	S	SSE	19.1
25	56.47	55.97	24.4	31.1	E	1	SW	2	S	SSE	6.6
26	56.89	56.45	24.9	30.8	ESE	1	SSW	2	SSE	SSE	2.5
27	57.03	55.92	23.4	29.8	Calm		WSW	2	SSE	SSE	.8
28	55.02	54.69	25.6	26.8	Calm		WSW	2	ENE	NE	2.3
29	55.57	55.37	24	29.1	Calm		SSW	2	SE	SSE	71.4
30	56.30	56.10	24.1	25	E	1	SSE	2	S	SSW	111.5
31	55.69	53.84	23.7	26.8	ESE	1	SE	2	S	S	132.6
Mean	56.74	55.97	24.6	30.6	0.5		1.7		-------	-------	-------
Total	------	------	------	------	----------		----------		-------	-------	524.8

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	53.32	53.51	24.9	24.9	S	2	SSE	3	SW	SSW	116.5
2	54.06	54.97	24.5	26.5	SE	2	SE	2	SSW	SSW	81.3
3	56.03	57.47	25.2	26.5	SE	1	E	2	S	S	8.1
4	57.20	56.31	24.4	30.4	ESE	2	S	2	SSE	SSE	2
5	56.81	56.68	23.4	30.8	Calm		SW	2	SSE	SSE	50.3
6	57.74	57.69	23.5	31.2	E	0	SW	2	SSE	SSE	26.7
7	58.85	58.39	24.1	30.1	SSE	0	SW	2	S	SSE	.3
8	58.08	56.97	24.6	30.6	ESE	1	SW	2	NW	SSE	17.8
9	57.10	56.43	24.6	29.3	ESE	1	SW	1	S	S	9.7
10	57.48	56.47	24.3	28.5	E	1	SSW	1	S	SSE	67.1
11	57.44	56.59	23.7	29.4	Calm		WSW	2	S	S	47.7
12	55.87	54.65	24.1	30.4	E	0	SW	1	S	S	7.4
13	54.66	53.74	23.6	30.8	Calm		W	2	SSW	S	12.2
14	55.24	55.19	24.3	30.8	ESE	1	SSW	2	SSE	SW	-------
15	57.05	56.22	24.5	32	Calm		SSW	2	SSE	SSE	20.8
16	57.89	56.97	24.5	30.5	Calm		SW	1	SSE	S	2.3
17	57.23	56.32	25	27.7	ESE	0	NW	2	SSE	S	59.7
18	56.29	56.61	24.7	27.6	ESE	0	SW	2	SSE	S	7.6
19	56.48	55.78	23.7	30.8	Calm		W	2	-------	NNW	33.8
20	56.90	55.56	25	31.2	Calm		WSW	2	S	S	66.8
21	56.79	56.08	24.4	31.3	ESE	1	WSW	2	SSE	SSE	8.9
22	57.07	56.26	24.6	31.5	E	1	WSW	2	SSE	SSE	36.1
23	55.99	55.03	24.6	31	Calm		WSW	2	S	S	3.8
24	56.58	55.57	24.5	30.8	Calm		SW	1	S	SSE	37.1
25	56.93	55.21	24.7	29.5	E	1	SW	1	SSW	SSE	19.1
26	54.46	52.87	24.9	29.9	Calm		WSW	2	SSW	SW	5.1
27	52.25	51.29	24.6	31.2	Calm		SSW	2	S	SSE	13.7
28	51.76	52.01	24.7	30.2	S	1	SSE	2	SSE	S	19.8
29	53.24	53.10	25.4	27.7	ESE	2	SE	2	SSE	SSE	64
30	54.61	55.08	24.8	24.7	SE	1	SE	2	S	SSW	128.6
31	53.77	53.35	24.5	25	SE	1	SE	1	SSW	SSW	72.6
Mean	55.98	55.43	24.5	29.4	0.6		1.8		-------	-------	-------
Total	------	------	------	------	----------		----------		-------	-------	1,046.9

[1] 28 days of observation.

SAN FERNANDO, UNION.

[$\phi = 16°\ 37'$ N; $\lambda = 120°\ 19'$ E; barometer above sea, 3 meters; gravity correction not applied, —1.65 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	53.16	52.70	23.6	26.2	SE 0	ESE 1	SSW	S	47.8
2	53.42	52.37	23.8	30.4	ESE 1	SSW 2	SSE	S	3.3
3	52.96	52.23	24.6	30.5	SE 1	SSW 2	SSE	S	3.6
4	53.87	53.18	25.1	31	Calm	SSW 2	S	S	.3
5	54.65	54.94	26	32.8	S 3	SW 3	SSE	SSE	-------
6	58.11	57.25	23.7	31.1	Calm	SW 2	SSE	SSE	1.3
7	58.35	56.78	24.2	31.3	ENE 1	SW 2	NW	W	2.5
8	57.34	57.14	26	27.1	Calm	SE 2	SSE	E	14.7
9	57.06	56.77	23.7	31	Calm	S 2	ESE	SSE	1.5
10	57.14	56.31	24.6	28.6	E 0	SSW 1	SSE	SSE	.5
11	56.58	55.45	25.2	31.3	SE 0	SSW 2	S	S	58.2
12	56.35	56.16	24.6	29.4	SSE 1	SSW 1	NW	SW	49.5
13	56.19	55	24.6	29.8	SSE 1	S 2	S	SSW	58.7
14	54.71	52.83	23.6	30	SE 0	WSW 2	S	S	26.9
15	50.95	50.40	25.1	27.4	NNE 1	NNE 1	NNW	NW	22.6
16	51.31	51.74	25.9	29.5	SW 1	SW 2	NW	WSW	8.2
17	53.75	54.30	25.9	28.5	ESE 1	S 2	SSW	SSW	29.7
18	55.50	54.63	24.5	31.1	SE 1	SW 1	S	SSW	7.1
19	54.86	54.13	24.1	29	SE 0	SW 1	S	SSW	.5
20	54.77	54.38	24	29.9	Calm	SSW 1	NNW	WSW	.5
21	56.17	56.53	25.2	30.3	Calm	S 1	SSW	SSW	-------
22	58.20	57.87	25.1	30.8	ESE 1	WSW 1	S	S	16
23	59.61	58.36	23	31	ESE 1	W 2	S	NNE	1
24	59.14	57.87	23.1	30.5	E 0	SW 2	SE	SE	7.1
25	58.21	57.33	23.1	29.8	Calm	WSW 2	NNW	NNW	9.9
26	57.36	56.28	22.8	30.9	ENE 1	WNW 2	W	NNW	.3
27	55.45	53.49	24.4	27.9	ENE 0	NE 2	NNW	NNW	22.4
28	54.36	54.52	25.4	27	WNW 2	W 2	NNW	NW	11.2
29	56.07	55.44	25.4	28.5	E 0	W 2	SW	SW	2
30	56.03	56.02	23	30.5	Calm	WSW 1	SSW	SSE	11.7
31	-------	-------	-------	-------	-------	-------	-------	-------	-------
Mean	55.72	55.08	24.4	29.8	0.6	1.7	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	419

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	57.65	57.78	24.7	24.5	Calm	ESE 2	S	SSE	26.6
2	59.11	57.90	23.6	30.2	Calm	SSW 1	SSE	SSE	8.7
3	59.09	58.15	24	24.7	Calm	SE 2	SSE	S	83.6
4	58.55	57.22	22.6	30.1	Calm	SW 2	S	SSE	-------
5	58.33	57.53	24.1	30.7	Calm	NW 2	N	N	-------
6	58.20	57.67	24	31.3	E 0	NW 2	SSE	SSE	-------
7	59.35	58.47	24.1	31.2	Calm	SW 2	N	SSE	-------
8	59.41	57.57	24.3	28.2	ESE 0	SSW 1	S	NNW	.3
9	57.43	56.03	24	29.3	Calm	NW 3	N	N	1.3
10	56.09	55.33	25.2	30	NW 1	NW 3	NNW	NNW	6.7
11	54.76	54.12	25	29.5	Calm	S 2	S	ENE	51
12	57.59	57.26	23.1	29.8	Calm	SSW 1	SSE	SSE	-------
13	58.54	57.24	23.5	29.7	ESE 1	SW 2	S	SSE	6.6
14	57.50	56.38	24.1	30.1	Calm	WSW 2	SSE	NNE	1.3
15	56.61	55.67	23.5	30.8	Calm	SW 1	NNE	NE	-------
16	57.05	55.29	23.5	29.9	ESE 1	S 1	SSE	SSE	1.5
17	55.94	55.12	24.6	25.4	Calm	ESE 1	SE	SSE	4
18	57.58	58.21	23.2	28.6	ESE 0	ENE 2	SSE	SSE	2.1
19	60.14	59.14	24.6	29.5	Calm	NNW 1	S	NNE	-------
20	59.78	57.78	23.5	30.5	Calm	WNW 2	-------	S	-------
21	59.61	58.94	23.1	31.5	ESE 1	WSW 1	S	SE	-------
22	59.75	57.86	25.1	30.8	SE 1	W 1	SSE	NE	-------
23	59.04	57.76	23.9	29.4	Calm	SSW 1	SSE	SSE	-------
24	59.08	57.46	22.5	30	ESE 0	SSW 1	-------	SSE	-------
25	58.61	57.15	23	30.9	ENE 0	WSW 2	SSE	SSE	-------
26	57.03	55.56	22.5	30.5	E 0	NW 2	SE	NNE	6.6
27	53.91	55.15	26.5	25.2	WNW 4	SSW 2	NNW	WSW	60.9
28	58.30	57.92	26	29.5	SSE 3	S 1	S	SSE	-------
29	59.05	58.20	24	30.2	Calm	SSW 2	S	SSE	-------
30	59.84	59.31	23.9	27.6	ESE 0	S 1	S	SSE	4.1
31	61.04	59.67	22.8	30	Calm	WNW 2	-------	NNW	-------
Mean	58.19	57.25	24	29.3	0.4	1.6	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	265.3

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	60.03	58.72	24.6	30.7	ESE 0	SW 1	SSE	SSW	-------
2	59.54	58.23	23.9	30.6	Calm	SSW 2	-------	NNE	-------
3	58.95	57.80	23.5	30.5	Calm	SSW 1	SE	SE	0.3
4	59.60	58.02	23.5	31.2	E 0	WSW 2	-------	NNE	-------
5	60.21	58.67	24.8	31.5	ENE 1	SSW 1	N	SSE	-------
6	59.59	57.89	21.9	28.4	E 1	SSE 2	SSE	SSW	-------
7	58.75	58.27	23.2	30.5	ENE 1	SE 1	SSE	SSE	-------
8	61.37	59.73	23.9	28.8	Calm	SSW 1	SSE	SSE	-------
9	60.33	58.64	23.3	29.2	Calm	WSW 2	NNE	SE	-------
10	59.69	58.37	22.3	29.9	E 1	WSW 2	NNE	SSE	-------
11	60.26	59.07	22.3	30.6	ESE 1	SSW 1	S	SSE	-------
12	60.83	58.92	22.6	30.4	Calm	WSW 2	-------	NE	-------
13	59.46	58.03	22.6	30.5	ENE 0	WSW 2	-------	NE	-------
14	58.71	57.91	22.5	30.3	ENE 0	SW 2	-------	SSE	-------
15	60.07	58.76	22	29.7	NE 0	WSW 2	NNW	SSE	.5
16	59.80	58.72	22.2	30.8	ENE 0	WSW 2	SE	SSE	-------
17	58.90	57.88	22.4	30.6	Calm	W 2	-------	SSE	-------
18	59.06	57.76	22.5	29.4	ENE 0	NNE 2	SE	SSE	-------
19	59.44	57.61	23.4	30.5	ENE 0	WNW 2	SSE	SSE	-------
20	58.83	57.44	22.6	29.9	ENE 0	WNW 1	N	NNW	-------
21	58.11	57.33	23	29	Calm	NW 2	NNW	N	-------
22	59.11	57.74	21.7	29.6	ENE 0	WNW 2	SE	N	-------
23	59.95	57.39	21.6	29.1	NE 0	WSW 2	N	N	-------
24	58.40	57.07	20.9	28.1	NE 1	NNW 2	N	NE	-------
25	57	54.49	21.3	30.2	NE 0	NNW 1	N	NE	-------
26	56.01	55.76	23	32.5	ENE 0	ENE 2	SE	E	-------
27	58.45	57.86	22.1	30	E 0	WNW 2	SSE	NNE	-------
28	58.78	57.36	22.7	29.5	ENE 1	W 2	SSE	N	-------
29	56.76	56.05	23	28	Calm	NW 1	NNE	NNE	.5
30	57.34	56.95	23.7	27.1	ENE 1	N 1	SSE	SE	.3
31	-------	-------	-------	-------	-------	-------	-------	-------	-------
Mean	59.11	57.81	22.8	29.9	0.3	1.7	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	1.4

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	59.36	58.08	23.4	31.5	ESE 0	S 3	SSE	SE	-------
2	61.16	59.53	22.9	30.3	Calm	WNW 2	S	SSE	-------
3	60.29	57.93	23.1	30	Calm	W 2	S	N	-------
4	59.09	56.51	21.9	30.8	Calm	WNW 2	SW	SW	-------
5	57.66	57.22	23.2	29.3	NNE 1	NW 3	N	NNW	-------
6	59.83	58.84	22.8	29.6	ENE 0	WSW 2	SSE	N	-------
7	60.98	59.80	18.7	28.6	ENE 0	WSW 2	-------	-------	-------
8	61.77	60.67	18	29	ENE 0	WNW 2	-------	NNE	-------
9	61.78	61.07	18.2	29.5	E 0	WSW 2	N	NNE	-------
10	61.92	60.87	19.3	28.9	ENE 1	W 1	SSE	NNE	-------
11	61.40	60.88	20.3	27.7	E 0	SW 1	SSE	SSE	-------
12	61.74	60.87	20.8	29.4	E 1	WSW 2	SSE	SSE	-------
13	-------	-------	-------	-------	-------	-------	-------	-------	-------
14	-------	-------	-------	-------	-------	-------	-------	-------	-------
15	61.74	60.06	20.9	29.6	ENE 1	NW 2	-------	N	-------
16	61.02	59.83	21.3	29.5	E 0	WSW 2	-------	SSE	-------
17	60.82	59.52	21.7	29.8	ENE 0	W 2	SSE	SSE	-------
18	60.64	59.23	20.6	29.8	Calm	WNW 2	-------	N	-------
19	58.79	57.88	20.6	28.5	Calm	WNW 2	NNE	N	-------
20	59.42	58.35	19.4	29	ENE 0	WNW 2	N	SSE	-------
21	59.40	58.79	19.9	29.6	ENE 0	WSW 2	-------	SSE	-------
22	60.59	59.04	18.4	29.1	E 0	WSW 2	-------	SSE	-------
23	61.40	60.68	19.4	29.1	ENE 1	W 2	-------	SSE	-------
24	61.38	60.09	18.4	28.8	ENE 1	W 2	-------	SE	-------
25	61.25	60.97	22	28.9	Calm	W 2	SSE	SE	-------
26	62.14	60.38	22.7	29	Calm	SW 2	SSE	SSE	1.3
27	60.52	59.89	22.2	28.5	E 1	WNW 1	SSE	SSE	-------
28	61.80	60.98	20.5	30.2	E 0	WNW 2	SSE	SSE	-------
29	61.93	60.86	22.4	29	Calm	WNW 1	S	S	-------
30	61.84	60.90	22.5	29.5	Calm	WNW 2	SSE	N	-------
31	62.37	60.86	21.4	29.9	Calm	WNW 2	-------	NE	-------
Mean	60.83	59.68	20.9	29.4	0.2	1.9	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	1.3[1]

[1] 29 days of observation.

ECHAGÜE.

[ϕ=16° 41′ N; λ=121° 39′ E; barometer above sea, 56.1 meters; gravity correction not applied, —1.64 mm.]

JANUARY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.					*mm.*
1	61.11	58.99	19.6	30.5	S 1	NNE 1	SE	SE	0.3
2	61.73	60.10	21.8	29.4	E 0	NNE 1	SE		4.4
3	62.57	62	21.6	23.7	NNE 1	NE 2	NNE	NE	4.3
4	63.70	62.24	20.5	24.5	NNE 2	Calm	N	NE	1.5
5	63.32	61.11	20.5	28.7	NNE 1	Calm		SE	
6	62.57	60.57	17.8	29.2	Calm	N 2		E	.5
7	62.95	61.14	20.4	28	E 0	NE 1	NNE	NE	1.6
8	62.57	60.03	20.2	25.9	NE 1	ENE 1	NE	ENE	.3
9	61.38	58.07	20.4	30.1	S 1	S 2	S		
10	62.90	60.97	19.9	25.4	SSW 0	NNW 1		NNE	.3
11	63.74	61.51	20.7	27.6	NE 1	NE 2	NE		
12	63.53	61.62	21	26.4	Calm	NE 2	NNE	ENE	.5
13	63.33	61.02	20.8	27.6	NE 1	E 2		SE	
14	63.20	60.99	20	30.5	NE 0	SSE 1		NNE	
15	63.03	61.35	22.3	30	ENE 1	SE 1	N	N	
16	63.73	61.35	19.2	31.4	E 1	E 1			
17	63.58	62.22	22	28.9	SE 0	E 2	N		
18	63.48	61.71	20.5	30	S 1	NNE 1			
19	64.25	63.15	20.9	29.3	NE 1	NE 1		NNE	
20	64.61	62.35	17.8	29.4	Calm	NE 2			
21	63.49	61.47	16.4	29.7	E 1	SE 1			
22	63.31	61.84	17.1	28.1	NE 1	ESE 2			
23	62.98	61.12	14.9	29.5	SSW 1	SE 1			
24	63.54	61.02	14.4	30.9	SW 1	S 2			
25	63.48	61.69	14.5	28.1	SW 1	SE 2		S	
26	63.59	62	17.3	29.6	SE 1	SE 1		SE	
27	65.47	63.01	15.9	29.4	SSW 2	ESE 1			
28	65.43	63.76	19.9	22.1	NE 1	N 2	NNE	NNE	2.8
29	65.15	62.69	19.5	24.1	NE 0	NE 3	NNE	NNE	2.1
30	64.73	63.42	19.3	24.5	NE 1	NNE 2	NNW	NNE	
31	64.62	62.33	19	26.1	SE 1	Calm	NNW	NNE	2.5
Mean	63.45	61.51	19.2	28	0.8	1.4			
Total									21.1

FEBRUARY.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.					*mm.*
1	64.16	61.47	20	25.5	S 1	NNE 1		NNE	1.8
2	63.28	61.78	20.8	28.4	NE 1	NNE 2	NE	NEbyN	
3	63.88	61.79	19.5	28.6	N 1	NE 2		N	1.3
4	64.72	63.38	20	24.4	NW 1	NNE 3		NNE	.8
5	65.46	63.77	19	25	NE 1	NE 1	NNE	NNE	1.3
6	65.08	62.69	19.9	29.4	SSW 0	E 1	NE		1.8
7	65.56	63.86	18.5	26.6	NNE 1	SSE 1	NE		
8	64.31	61.40	19.5	30.7	Calm	SE 1			
9	63.70	60.95	21	30.9	SW 1	NNW 1	SE		
10	62.94	60.27	19	30.1	SW 1	SSE 2		S	
11	61.95	60.42	20.3	31.7	Calm	ESE 2			
12	62.19	59.91	21.4	29.6	SE 0	SSE 1		E	
13	61.01	58.31	18.4	31.5	S 1	S 2			
14	60.65	58.55	17.5	29.9	S 1	E 1			
15	60.85	58.99	19.4	30.9	Calm	NNE 1			
16	61.09	58.35	20.7	32.2	Calm	E 1		SSE	
17	60.84	58.23	22.4	33.1	Calm	ENE 2	NNE		
18	61.41	60.88	23.5	25.9	NNE 1	NE 3	N	NNE	
19	63.69	62.84	21.5	25.7	E 1	SE 1	NNE	N	3
20	64.70	63.01	20	26.6	SE 1	N 1	NE	ENE	
21	64.18	62.19	20.7	26.4	Calm	NNE 1		NE	
22	61.90	59.99	21.3	30.9	S 1	SSW 2	SEbyS		
23	62.45	59.89	20.6	31	SE 1	SE 1	NNW	S	
24	61.10	58.13	19.4	33.3	SE 1	ESE 1			
25	61.56	59.13	17.3	32.5	SE 0	S 1			
26	61.05	58.77	17.5	33.8	S 1	NE 2			
27	60.96	58.43	15.7	33.2	Calm	SSE 2			
28	61.54	57.99	17.7	33	S 1	S 1			
29	60.28	57.93	19.6	33.7	S 1	SE 1			
Mean	62.64	60.46	19.7	29.8	0.7	1.4			
Total									10

MARCH.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.					*mm.*
1	61.42	59.54	17.4	32.8	Calm	S 1			
2	62.31	60.15	18.6	33.6	SSW 1	NE 1			
3	62.47	61.07	17.6	30.2	Calm	ESE 2		SE	
4	62.04	61.41	21.7	28.4	Calm	SSE 2		N	
5	61.44	59.28	18.5	34	S 1	NNE 2			
6	61.48	58.59	19.3	35.3	S 1	E 2		S	
7	61.51	59.84	19.3	34.2	Calm	S 1			
8	61.75	59.74	20.6	33.4	Calm	E 2	E	SE	
9	62.08	59.73	22.5	34.5	S 1	SE 2	N		
10	61.84	58.99	22.5	34.1	Calm	ESE 2	NE		
11	59.94	57.09	18	35.5	S 1	NNW 2			
12	58.30	55.72	18.4	34.9	Calm	E 2			
13	59.01	56.72	21.9	34.7	ESE 1	NE 2	NW	S	
14	59.79	58.14	24.3	34.5	Calm	NE 1	NNW		
15	60.47	58.12	22.6	33.9	Calm	SE 2			
16	60.52	58.07	21.5	34.9	SW 0	ENE 1			
17	61.41	59.59	22.5	31.3	S 1	NNE 1			6.1
18	62.83	62.19	21.4	25	NE 2	NNE 2	NE	NNE	3.3
19	63.94	62.44	20.8	26.8	SE 0	NE 2	N	NNE	
20	62.70	59.37	20.9	34	S 1	S 2	S	S	
21	62.75	61.41	22.3	30.5	NE 0	S 2	NE		
22	63.84	61.18	19.2	33.4	S 1	ESE 2			
23	63.51	60.08	18.4	32.9	S 1	ESE 2			
24	62.21	59.77	18.4	35.2	S 1	SSW 1		S	
25	63	60.29	20.3	34.6	S 1	SE 2			
26	62.81	59.78	19.4	35.4	E 1	SW 2			
27	62.73	59.80	16.5	34.3	Calm	S 2			
28	62.23	59.54	17.9	36.5	S 1	SSE 2			
29	61.78	60.53	20.1	33.4	S 1	E 2			
30	62.73	60.54	19.8	33.9	S 0	NE 1		ESE	
31	62.86	60.33	17.4	34.4	Calm	NE 2			
Mean	61.86	59.65	20	33.2	0.5	1.7			
Total									9.4

APRIL.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0-12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	°C.	°C.					*mm.*
1	62.45	59.60	20	35.6	SSE 1	SW 2	NNE	S	
2	62.14	59.30	18.4	33	SSW 1	E 2			
3	61.87	59.48	20.5	34.9	Calm	S 1	SE	NNE	
4	61.66	58.87	19.7	35	Calm	SE 1		SE	
5	60.55	57.88	20	35.4	Calm	E 2			1
6	60.73	58.77	23.3	34.4	Calm	NNE 2			6.1
7	61.42	59.45	22.9	31.4	Calm	ENE 1	N	NE	
8	60.87	58.88	23.4	35.7	Calm	NE 1	NW	NE	
9	60.97	58.37	21.8	35.2	ENE 0	NE 1	ENE		
10	62.81	59.96	22.8	36.1	SSW 1	NE 2	NW		
11	63.21	60.59	24	34.6	Calm	N 2	N	NW	
12	63.72	61.99	24.3	26.3	NNE 1	N 2	N	NNE	5.1
13	64.59	62.73	22.4	31.5	SE 1	S 1	SE		.3
14	64.06	61.20	20.1	31.9	SE 1	NNE 1	ESE	SEbyS	
15	62.35	59.78	20	33.6	Calm	ESE 2		SSE	
16	61.39	59.08	19.9	37	S 1	NNE 1			
17	61.67	59.25	20.1	34.4	SSE 1	E 2			
18	61.43	58.43	20.8	35.7	SSE 0	N 1			
19	60.95	58.44	22.4	36.2	SbyE 1	S 2			
20	60.49	59.21	21.9	32.7	Calm	ESE 2			
21	60.79	58.41	21.1	36.4	Calm	E 1			
22	61	58.15	20.7	37.5	Calm	E 2		S	
23	60.28	57.33	22.4	39.4	Calm	WSW 1		WSW	
24	60.19	56.73	20.4	38.4	WSW 1	WSW 1			
25	59.64	56.55	23.4	37.4	S 1	E 2			
26	59.54	56.94	21.8	37.8	SE 1	E 1			
27	60.68	58.57	24.4	36.1	E 0	Calm			
28	60.55	56.77	22.8	39.5	Calm	ESE 1			
29	59.26	56.84	26.47	37	S 1	ENE 2		SWbyW	
30	57.91	54.57	25.7	39.9	S 0	S 0	SWbyW		
31									
Mean	61.31	58.74	21.9	35.3	0.4	1.4			
Total									12.5

ECHAGÜE.

[ϕ=16° 41′ N; λ=121° 39′ E; barometer above sea, 56.1 meters; gravity correction not applied, —1.64 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	57.96	54.33	25.3	38	SE	1	SE	1	NWbyN	SW	11
2	58.65	57.16	24.2	35.8	S	0	W	1		ENE	
3	60.62	57.73	23.4	38.6	S	1	SW	1			
4	60.95	57.49	24.7	37.2	E	0	NE	1		NE	
5	59.69	56.10	26.4	36.9	Calm		E	2			
6	58.37	54.94	25.7	36	Calm		ENE	1	SW	WNW	2.3
7	59.20	56.05	25	35.5	Calm		NE	2			22.1
8	59.18	56.74	23.5	33.9	SW	1	ENE	1	NNW		7.4
9	58.99	57.05	24.8	33.4	S	0	SbyE	1		SW	
10	60.18	58.03	23.4	35.1	S	1	E	1			
11	60.48	57.29	23.5	36.4	SW	0	SSE	2			
12	59.36	56.29	23	38	SSE	1	W	1			
13	58.27	56.35	26.6	32.6	S	0	NW	1	NW	NW	
14	58	56.20	26.5	35.4	S	1	N	1	NNE		.5
15	58.27	55.75	25.6	37.7	S	0	SbyW	2	SW		
16	57.07	55.31	25.3	38.9	S	1	W	1			
17	57.86	55.43	25.2	39.6	S	1	SW	1			
18	58.84	56.71	25.5	38.6	S	1	ENE	1			
19	59.41	56.56	26.1	37.6	SW	1	NW	2		E	
20	58.24	54.59	23.9	39.5	S	1	S	1			7.4
21	58.01	54.89	25.9	38.2	Calm		W	1			42.4
22	58.70	56.33	24	34.3	Calm		SW	1			
23	58.57	55.84	25.4	36.4	W	1	N	1			
24	58.58	55.67	24.9	35.9	S	1	NNE	2	E		2
25	57.88	54.11	25.1	36.8	S	1	W	1			7.6
26	57.07	54.75	24.9	34.9	S	1	N	1	SW		3.3
27	57.11	55.28	25.3	34.9	S	1	E	1	NWbyN		
28	58.78	56.69	24.1	34.3	NNW	0	N	1			
29	58.85	56.14	25.3	37.1	S	1	E	1			41.4
30	58.80	55.73	23.4	34.9	ESE	0	E	1			.3
31	58.10	55.96	24	34.1	SW	0	NE	1			7.9
Mean	58.71	56.05	24.8	36.3		0.5		1.2			
Total											155.6

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	58.13	56.29	23.4	34.8	Calm		NbyE	1			16.8
2	60.12	57.57	22.9	34.4	Calm		N	1	SSW	SSE	
3	59.61	56.86	23.9	35.1	SSE	0	E	1			7.1
4	57.99	55.32	24.4	34.8	S	1	S	0			
5	57.46	55	24.4	35.4	S	1	NbyE	1			3.6
6	58.25	55.12	23.9	34.1	SSE	0	E	1			3.6
7	58.15	54.54	24	34.5	SW	1	NE	2			30
8	57.09	54.42	23.4	34.4	E	0	N	1			17.5
9	57.26	55.01	22.7	33.5	Calm		Calm				
10	58.47	55.64	24.3	34.5	Calm		E	1			
11	57.97	56.98	25.9	32.7	Calm		E	2	NNW		
12	58.55	55.64	25.8	34.7	SSE	1	N	1	NWbyN		
13	57.82	55.30	24.4	35.3	Calm		SW	1		SSE	2.5
14	57.76	55.08	25.4	35.4	Calm		Calm		SSE		36.1
15	56.57	54.26	24.6	35.6	SSE	1	NW	1			.3
16	55.03	53.57	24.5	36.6	Calm		NE	1			.5
17	54.49	52.86	24.5	36.8	SSE	0	NNE	1			
18	55.12	53.63	24.9	36	SW	1	NE	1			
19	55.01	52.14	25.1	35.7	Calm		NE	1			23.9
20	54.44	52.34	24.3	36.5	Calm		N	1			
21	54.36	53.12	24.3	36.1	Calm		Calm				23.1
22	56.38	54.59	23.4	34.7	Calm		WSW	0			50.8
23	56.97	54.98	24	34	SSE	0	E	0			12.2
24	56.33	54.03	23.4	34.9	SE	1	NE	1			18.8
25	56.84	53.97	23.4	35.9	S	1	ENE	1			11.7
26	56.72	55.08	23.3	34.6	SSE	1	Calm				
27	56.77	54.37	23.4	36	Calm		E	1			7.4
28	56.17	53.99	23.7	35.2	Calm		E	1			37.1
29	56.39	54.45	24.3	34.4	Calm		NE	2			8.6
30	57.53	55.28	23.7	33.5	SE	0	NE	1			
31											
Mean	56.99	54.71	24.1	35		0.3		0.9			
Total											311.6

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	57.14	55.13	23.9	34.1	Calm		SSE	1			
2	57.03	54.72	24.5	35.3	SSE	1	ENE	1			
3	57.19	55.45	24.1	34.1	Calm		N	1		ESE	1
4	58.51	56.88	24.9	33.6	SSE	1	E	1			5.1
5	58.87	56.40	24.9	33.9	Calm		WNW	0		SEbyS	
6	57.67	55.39	23.6	34.9	Calm		NNE	1			
7	57.24	54.38	23.8	35.4	SSW	1	N	1		ENE	37.3
8	57.08	55.72	24.3	30.2	Calm		Calm			E	1
9	57.68	57.10	23.3	25.6	ESE	1	Calm				7.1
10	57.78	57.76	23.6	24.9	ENE	1	ENE	1	SE		9.2
11	58.12	56.30	23.8	31.6	Calm		E	1			
12	57.77	56	22.9	32.3	S	1	N	1			
13	57.65	55.58	22.7	33.8	Calm		SE	1	NEbyE		
14	58.05	55.89	23.4	32.6	S	1	ENE	1			1.3
15	58.07	56.32	23.4	32	Calm		SE	1		W	.3
16	58.17	55.96	23.8	32.8	Calm		ENE	2			
17	57.57	55.76	23.3	33.1	Calm		ENE	1			6.4
18	57.26	55.44	24.4	29.9	Calm		NNE	0	NE	NE	.3
19	55.11	53.22	24	32.7	Calm		NE	1	N		
20	53.95	51.73	24	34.5	SSE	0	ENE	1			
21	53.07	50.87	24.4	33.5	SSE	0	SE	3	SEbyS	swbys	
22	53.34	52.77	25.1	31	N	0	SW	0	SWbyW		
23	53.79	52.53	25.4	34.1	Calm		SE	2	SW	SWbyW	1.5
24	54.71	53.06	24.4	35.7	Calm		SW	1		SW	
25	55.63	54.34	23.7	34.5	NE	0	ENE	1		SW	.8
26	56.53	55.21	23.7	34.6	Calm		ENE	1			10.7
27	56.95	55.67	23.8	30.6	Calm		Calm				11.9
28	55.04	54.66	23.7	27.1	Calm		NNE	1	NE	ENE	27.7
29	55.32	53.97	24.4	31.8	E	0	Calm		E		
30	54.66	53.15	24.3	29.4	SSE	0	NNE	1			1.5
31	53.35	51.01	23.7	29.5	ENE	0	S	3		WSW	15
Mean	56.46	54.79	24	32.2		0.2		1			
Total											138.1

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	50.71	51.39	24.6	25.5	SbyW	2	WSW	0	W	swbyw	19.3
2	52.72	53.39	23.9	28.9	SSE	2	SSE	3	SWbyW		
3	55.23	54.44	23.3	33.7	Calm		N	1			13.2
4	56.19	54.77	23.8	32.5	Calm		W	0	SE		2.5
5	56.31	54.54	24.4	33.1	Calm		NNE	1	NW		2.5
6	57.43	56.13	22.7	32.4	SW	0	Calm			NEbyE	2.5
7	58.09	55.91	22.9	32.9	WSW	1	NNE	1			5.1
8	57.59	55.45	22.7	31	Calm		SSE	0	SW		50.8
9	56.68	55.18	23.9	33.2	S	0	NE	1	N		
10	56.69	55.76	24.1	27.3	Calm		E	1	NNW		
11	56.28	54.94	24.1	28.3	Calm		E	1			52.9
12	55.06	53.35	23.3	29.9	WNW	1	E	1	ENE		7.1
13	54.19	52.32	22.6	32.4	Calm		S	1		ENE	2.3
14	54.43	52.66	24.2	32.4	WSW	1	Calm				39.9
15	56.95	54.81	23.4	33	Calm		SW	1			
16	57.14	55.15	24.9	31.6	SW	0	Calm		NNW		
17	56.32	53.89	24.9	33.4	Calm		E	1			12.2
18	55.74	53.80	23.4	33.4	Calm		Calm				.5
19	55.93	53.78	23.5	33.4	Calm		NNE	1			
20	56.20	53.81	23.9	34.4	Calm		NE	1			50
21	56.64	54.35	23.3	33	Calm		NNE	1			1.8
22	56.51	54.40	23.8	33.9	SSE	1	NbyE	1			2.5
23	55.58	53.39	24.9	33.1	WSW	0	E	1			37.8
24	56.08	53.79	24.4	33.6	SW	1	Calm		NWbyN		27.2
25	55.52	53.66	24.3	30.5	Calm		NNE	2	NW	N	2.5
26	54.04	51.07	23.6	32.9	Calm		NE	1	N		7.6
27	51.72	49.63	23.3	32.9	SW	0	Calm				2
28	49.44	48.33	23.9	32.9	Calm		SSW	2			
29	49.64	49.35	26.4	31.9	SW	2	SW	2		WSW	
30	52.35	51.88	25.4	32.2	Calm		Calm		SSW	WNW	2.8
31	52.18	50.50	23.8	31.3	Calm		SW	1		NWbyN	6.9
Mean	55.02	53.41	23.9	32		0.4		0.8			
Total											349.4

ECHAGÜE.

[$\phi = 16° 41'$ N; $\lambda = 121° 39'$ E; barometer above sea, 56.1 meters; gravity correction not applied, —1.64 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	51.52	49.61	23.4	33.3	Calm	NE 1	WSW		53.3
2	53.01	50.73	23.6	32.9	Calm	NNE 1	SW		19.6
3	53.53	51.46	24.4	32.9	Calm	N 1			4.1
4	53.94	52.56	24.3	31.6	Calm	S 2			1.8
5	54.97	54.54	22.9	32.9	Calm	SSW 2			
6	57.75	55.86	23.2	34.1	S 1	S 1			
7	57.71	55.59	23.6	33.1	Calm	Calm		E	
8	56.53	56.53	23.9	26.9	Calm	E 1		E	12.5
9	56.30	54.65	23.6	31.9	Calm	E 1			3.6
10	56.38	54.10	24.3	33	E 1	NNE 1	NNW	NW	2
11	56.29	53.58	23.9	33.1	Calm	NNE 1	NW		25.4
12	55.46	53.55	22.7	32.1	Calm	ENE 1		NE	7.6
13	55.57	52.80	23.6	31.6	Calm	ENE 2	NWbyN		1
14	53.56	51.06	23.9	32.8	Calm	NNW 1	NNW	NNW	3.8
15	50.13	48.35	24.3	24.4	Calm	SSW 1	NNW	NNW	24.7
16	46.69	46.23	23.3	31.3	NEbyN 1	S 2	WNW		
17	50.85	50.91	22.4	35.5	Calm	SSW 1			8.6
18	54.98	52.86	23.3	32.5	Calm	Calm			.5
19	54.47	52.20	24	32.1	Calm	Calm	NNW		2.5
20	54.27	51.99	26.3	33.6	Calm	Calm			12.2
21	55.02	53.25	24.2	32.9	SSW 1	NE 1	SSW		
22	56.64	55.08	23.8	33.6	Calm	Calm			50
23	58.98	56.85	23.4	32.4	Calm	NE 2			16.8
24	59.66	57.37	23.3	26.2	Calm	NE 2		ENE	.8
25	58.64	57.26	23.7	26.9	Calm	ENE 2	NNW	ENE	11.2
26	57.25	55.98	23.3	27.1	Calm	Calm		NNE	17.8
27	53.50	50.72	23.6	24.1	NW 2	WSW 3	NNE	N	17.8
28	46.87	48.24	22.9	33.1	SSW 2	SSW 2	W	WSW	
29	52.56	51.39	23.3	32.9	Calm	SW 1			
30	54.09	53.05	22.4	33.1	Calm	NE 1			
31									
Mean	54.57	52.94	23.6	31.5	0.3	1.1			
Total									297.6

OCTOBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	56.05	54.22	22.4	33	Calm	Calm			36.3
2	58.08	56.44	23.3	31.9	WSW 1	Calm			11.9
3	58.99	56.19	23.7	29.4	Calm	SSW 1	SSW	WSW	.5
4	58.48	56.62	22.9	28.2	Calm	E 1			1.8
5	58.66	56.62	22.8	29	N 1	NNE 2	N	N	2.3
6	58.22	57	23.8	27.9	W 0	Calm			3.6
7	59.36	57.43	23	30.9	SSW 1	ENE 1		N	6.1
8	58.19	55.62	23.4	29.7	Calm	NbyE 2	N		5.8
9	56.22	53.62	23.4	31.8	Calm	Calm	N	WNW	7.9
10	54.92	51.78	23.7	33	Calm	SSE 2			
11	54.93	55.95	24.3	23.7	ENE 1	Calm		E	64
12	58.09	56.85	22.3	28.9	Calm	NE 1			2.5
13	58.70	57	23.9	27.6	Calm	ENE 1		ENE	3
14	57.59	56.14	23.9	29.1	NE 0	NNE 2	NNE	ENE	2
15	57.74	55.47	23.9	30	ENE 1	E 1	NNE	N	5.3
16	58.06	56.15	23.8	29.1	EbyN 1	NE 2			9.1
17	58.61	57.45	21.9	23.4	N 1	NNE 1	NE		62.4
18	58.87	58.10	22.8	26.6	N 1	N 1		N	3.1
19	60.74	59.34	23.5	27.3	NNE 1	N 1		NE	1.5
20	61.02	58.48	22.3	28.1	NE 1	NNE 1	NEbyN		.3
21	60.64	58.92	22.5	27.5	Calm	Calm			3
22	60.32	58.48	23.4	26.1	Calm	Calm		NE	6.9
23	59.28	57.16	23.4	28.6	N 0	ENE 1	NNW	NNW	8.7
24	59.28	57.04	23.2	31.1	Calm	NNW 1		NEbyN	.5
25	58.86	56.70	22.8	27.8	SW 0	NNE 1	N	N	37.3
26	56.33	53.81	22.9	24.5	SW 0	NNW 2	N	NNW	41.1
27	50.61	54.89	24.3	24.9	SSE 3	S 1	WSW	S	15.5
28	58.30	56.43	21.8	32.1	S 1	SSE 2			
29	58.20	56.57	21.9	32.3	SW 1	NNW 0			
30	59.72	57.79	21	31.8	S 1	SE 1			
31	60.61	58	22.4	32.3	S 0	Calm			
Mean	58.18	56.52	23.1	29	0.5	0.9			
Total									342.4

NOVEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	60.38	57.74	23.3	31.4	Calm	E 1	N		
2	60.30	57.41	23.3	31.8	S 1	Calm	S		0.5
3	59.36	57	22.5	30.1	Calm	ENE 2			
4	59.48	56.93	22.3	32.3	SbyE 0	NNE 1			
5	60.27	58.60	21.7	31.2	SSE 1	NE 1		NE	
6	60.62	59.04	22.3	29.6	Calm	NEbyN 2	NbyE		3.9
7	60.91	59.33	21.9	27.9	W 1	NNE 1		SE	32.3
8	61.74	59.76	22.9	28.5	N 1	NE 1	NNE		30.2
9	60.53	58.16	23	28.1	N 1	NNE 1	N	NE	7.3
10	60.21	58.31	22.9	29.5	SW 0	E 1	NNW	ENE	1
11	60.87	59.66	22.8	26.5	Calm	NE 1		NE	1.8
12	61.24	59.13	22.8	29.6	Calm	ENE 1		ENE	.8
13	59.93	57.43	22.8	30.9	S 0	ESE 1	NE		.3
14	58.95	57.40	23.2	30	S 1	E 0	N		.8
15	60.83	59.03	22.5	26.3	Calm	N 2		N	4.5
16	60.61	59.01	22.3	26.9	Calm	N 0	N	N	4
17	60.11	58.84	22.2	24.7	Calm	SSE 1	NNW		16.7
18	59.94	57	22.2	29.8	NNE 0	E 1			
19	59.33	56.73	23.3	31.3	Calm	Calm			10.9
20	59.10	57.78	23.4	25.5	NNE 1	N 2		NbyW	18
21	59.06	57.30	21.4	28	NE 1	N 2	NNE	N	
22	59.89	57.72	19.9	26.5	W 0	ESE 1		N	.3
23	59.80	57.87	20.9	27.5	NW 0	NE 1	NNW		2.5
24	59.07	58.14	21.9	26.8	N 1	N 2		NE	
25	58.54	56.29	20.6	23.6	ENE 0	ENE 1		N	25.9
26	57.36	55.76	22.2	31.3	S 1	E 1	S	SSE	
27	59.40	57.77	20.8	30.1	E 1	NbyE 0	SE		
28	59.53	57.84	22.2	27.8	Calm	WSW 0	NE	NNE	.3
29	58.79	58.13	23.4	23.6	NNE 0	N 1			42
30	58.85	58.24	21.8	22.4	Calm	WNW 1			66.8
31									
Mean	59.83	57.98	22.3	28.3	0.4	1			
Total									270.8

DECEMBER.

Day.	Pressure, 700 mm.+		Temperature.		Wind, direction and force (0–12).		Lower clouds, direction.		Rain, 24 hrs. beginning 6 a. m.
	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	6 a. m.	2 p. m.	
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	60.22	58.25	21.8	29	Calm	Calm	S	S	
2	60.79	58.64	20.2	31	Calm	Calm			
3	60.29	57.57	20.4	27.4	Calm	Calm		ENE	
4	58.51	56.18	21.8	26.6	Calm	NNW 2	N	NNW	
5	56.60	56.11	22.9	28.9	N 2	N 2	N		
6	59.64	58.30	20.5	27.4	Calm	NNE 1			
7	61.98	60.06	20.3	26.6	Calm	NNE 1	NNW		
8	62.01	60.97	18.8	25.3	WNW 0	ENE 2	NNW	NE	
9	62.74	62.34	19.9	23.9	Calm	N 1		NE	1.8
10	63.74	63.38	20	24.2	N 1	N 2	NE	NE	1.8
11	63.20	62.53	19.7	24	Calm	N 1	N	NE	4.3
12	62.98	61.42	21.9	27.5	E 0	ENE 1		E	
13	63.15	61.41	21.1	29.3	Calm	NNE 0			
14	62.72	60.38	19.4	30	Calm	ESE 0	SE		
15	61.17	59.24	20.8	30.7	E 0	E 0			
16	61.58	59.74	20.8	28.8	S 1	Calm	SSW		
17	61.05	59.55	18.5	28.7	SSE 1	SSW 1	SSE	ENE	
18	60.72	58.11	20.9	29.3	WSW 1	E 1	ENE		
19	59.51	57.98	20.5	26.8	SSW 1	SSE 1		N	.3
20	59.57	57.81	22.6	28.5	ESE 0	NNE 2	N		
21	59.87	57.99	20.4	29.2	NE 1	Calm	NNE		
22	60.53	58.95	20	29.5	Calm	NE 1	N		
23	62.53	61.04	20.5	27.4	NbyE 0	NW 1	ENE		
24	62.20	61.34	20.9	25.3	NNE 1	NNE 1	NNE		6.1
25	63.38	62.42	19.8	23.9	Calm	N 1		NE	8.4
26	63.38	62.09	20.9	23.6	Calm	N 0		N	72.7
27	62.21	60.49	19.9	26.5	Calm	ESE 0			12.7
28	61.01	59.27	21.3	30.7	SSW 1	NE 1			
29	62.78	61.60	20.9	25.8	Calm	NNE 1			2.8
30	63.19	61.44	20.3	27	N 1	NNE 1		NE	1.3
31	63.15	61.23	21.9	23.5	N 1	N 1		NE	11.2
Mean	61.50	59.93	20.6	27.3	0.4	0.8			
Total									123.9

CANDON.

[ϕ=17° 12′ N; λ=120° 26′ E; barometer above sea, 6 meters; gravity correction not applied, —1.62 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	60.71	59.77	20.7	28.5	Calm		NW	3			
2	61.31	59.45	21.2	29	N	1	NW	1			
3	61.77	60.25	22.4	27.5	Calm		W	1		SE	
4	61.91	60.55	22	27.5	Calm		SSW	2	E	S	
5	61.03	60.04	21.2	28.5	Calm		SW	2			
6	61.38	59.85	21.5	28.5	Calm		W	3			
7	61.09	59.51	21.1	28.2	N	1	SW	3			
8	60.98	59.23	21.4	27.5	Calm		SW	2		SW	6.4
9	60.92	59.62	24.1	27.7	Calm		SSW	2			
10	61.47	60.12	22	27.5	Calm		W	1			
11	62.48	60.72	22.7	28.5	Calm		NW	2	W	NW	
12	62.93	60.94	21.5	28	Calm		WSW	3	W		
13	62.31	60.94	22.4	28.6	Calm		WSW	3		W	
14	62.84	61.59	22.6	28.5	Calm		SW	3		SW	
15	62.28	61.14	21.2	28.1	Calm		SW	2		SW	
16	63.29	62.19	22.6	28.6	Calm		W	1		W	
17	63.11	62.29	22.5	28.4	Calm		W	1	W	W	
18	63.31	61.73	22.1	29	Calm		W	1			
19	63.57	62.49	22	28.5	Calm		W	2			
20	63.57	62.19	22.5	28.2	N	1	W	2	W		
21	63.27	61.89	21.5	28.2	Calm		W	3	W		
22	62.52	61.59	19.9	27.5	Calm		W	2			
23	61.85	61.61	20.2	27.5	Calm		W	1			
24	63.42	62.11	19.5	27.6	Calm		SW	2			
25	63.14	61.50	18.9	28.5	Calm		W	3			
26	63.08	62.25	19	27.7	Calm		W	1			
27	64.82	63.29	19.9	28.2	Calm		NW	3			
28	64.29	62.05	21	28.1	Calm		N	3			
29	63.82	61.33	22.2	28.9	Calm		NW	4			
30	63.11	61.03	22.6	29.4	Calm		NNW	4	SE	W	
31	62.79	61.19	22.5	28.4	Calm		NW	2			
Mean	62.53	61.11	21.5	28.2	0.1		2.2				
Total											6.4

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	62.71	61.35	22.2	27.5	Calm		NNW	4			
2	63.89	63.05	20.8	25.5	N	1	NNW	4			
3	63.67	61.81	19.5	25.7	N	1	NNW	3			
4	63.04	62.14	18.6	26.5	Calm		NW	1			
5	63.35	62.41	21	26.9	NNE	0	NW	1			
6	65.13	63	21.4	27.2	Calm		NNW	3		NW	
7	64.29	62.55	21.5	27.6	NNE	1	WNW	2	S		
8	64.91	62.35	22.2	28	Calm		NW	2			
9	63.62	62.16	22	28.8	Calm		NW	3	SE		
10	62.99	61.40	22.5	28	Calm		NW	2			
11	61.89	60.88	21.2	28.7	Calm		NW	2		NW	
12	61.34	59.71	21.2	27.5	Calm		SW	2			
13	60.20	58.56	21.4	28	Calm		SW	1			
14	60.43	58.86	22.5	28.6	NW	0	NW	3			
15	59.92	58.94	20	28.5	Calm		SW	3			
16	60.35	58.62	21.1	28.5	Calm		WSW	2			
17	60.15	58.99	22.1	29.5	NW	1	WNW	1		W	
18	60.74	59.39	23.2	29.4	Calm		SW	1	SW		
19	61.73	60.76	23.4	30	Calm		NW	1			
20	62.11	59.98	22.1	29.5	Calm		SW	3			
21	61.91	60.49	22.6	28.5	Calm		WNW	1	SW		
22	61.81	61.45	22.2	27.5	Calm		NW	3	W		
23	61.29	60.09	21.1	28.6	Calm		NW	3			
24	60.08	58.44	22.5	29.5	Calm		W	1			
25	60.63	59.45	22.2	29.1	Calm		W	1			
26	60.22	59.45	21.5	28.8	Calm		W	3			
27	59.68	58.97	20	28.5	Calm		WNW	1			
28	60.23	58.33	23	30.1	NNE	1	W	1	SW		
29	59.35	58.85	21	28.7	Calm		W	3			
30											
31											
Mean	61.78	60.43	21.6	28.2	0.2		2.1				
Total											0

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	60.25	59.04	21.4	28.8	Calm		SW	2			
2	61.31	60.23	20.5	29.1	Calm		W	3			
3	61.70	61.06	20.2	29.4	Calm		NW	2			
4	61.74	60.31	21.9	29.9	Calm		W	3			
5	60.63	59.46	22.5	29.5	Calm		W	1			
6	61.33	59.81	21	30.1	Calm		NW	1			
7	61.36	60.30	23.4	29.9	Calm		NW	1	NW	SW	
8	61.63	60.33	23	30.5	Calm		NNW	2			
9	62.04	61.10	23	29.5	Calm		W	1	W	W	
10	62.37	59.66	25	30.5	Calm		NW	1			
11	60.06	58.59	25	29.4	Calm		NNW	2		NW	
12	58.54	57.73	24	29.8	Calm		W	1			
13	59.30	57.75	21.7	30.6	Calm		NW	2			
14	59.85	58.80	21.6	31.1	Calm		NNW	3			
15	59.82	59.74	22.2	30.5	Calm		NW	2			
16	60.69	59.58	22.5	30.2	Calm		NNW	3			
17	61.54	59.73	23	30	Calm		NW	4			
18	61.66	60.44	22.5	29.5	Calm		NW	2			
19	62.04	60.70	23.7	29.7	Calm		W	2		NW	
20	61.64	60.39	23	30.2	Calm		NW	3			
21	62.31	61.34	24.5	30.5	Calm		NNW	1			
22	62.88	61.14	23.5	30.7	Calm		W	2			
23	62.32	60.24	21.5	30	Calm		SSW	2			
24	62.14	61.09	22.9	30	Calm		NW	1			
25	62.14	60.90	22.4	30.5	Calm		NW	1			
26	61.78	60.64	22.7	30.6	Calm		W	1			
27	61.78	60.80	24	30.5	Calm		SW	1		NW	
28	61.69	60.08	22.5	31	Calm		NW	1			
29	61.74	60.93	22.5	30.6	Calm		W	1			
30	61.92	60.87	24.4	31	Calm		W	1			
31	61.58	60.54	22.5	30.5	Calm		W	3			
Mean	61.35	60.11	22.7	30.1	0		1.8				
Total											0

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	61.06	59.60	22.6	30.6	Calm		W	1			
2	61.84	60.05	22.2	30.2	Calm		W	1			
3	61.40	60.43	25	30.5	Calm		NW	1		W	
4	60.56	58.46	24	30.5	Calm		W	3			
5	59.95	59.28	23.4	31	Calm		W	1			
6	60.44	59.14	25.2	31	Calm		NW	3	SE		
7	60.37	59.29	25.2	31.5	Calm		SW	3			
8	60.69	59.57	26	31	Calm		W	2			
9	60.87	60.13	24.1	31	Calm		W	3			
10	62.04	60.65	25.5	32.2	Calm		W	2			
11	63.74	61.12	25.8	31.4	Calm		NW	1			
12	62.72	60.19	26	33.5	Calm		NNW	3			
13	62.67	62.25	26	31.4	Calm		W	2		NW	
14	63.17	60.79	25.7	31.5	Calm		SW	2			
15	62.17	60.18	25.9	30.7	Calm		W	2		W	
16	60.99	60.32	26.5	30.8	N	1	NW	3	NE	NW	
17	61.21	60.03	24.5	31	Calm		W	2		W	
18	60.87	59.98	25.5	30.8	Calm		W	1			
19	60.39	59.60	25	30.5	Calm		W	1			
20	60.06	59.20	26	30.7	Calm		NW	1			
21	59.82	59.14	25	31.7	Calm		W	2			
22	60.11	59.24	26.5	31.4	Calm		W	3			
23	59.76	58.49	25.6	31.7	Calm		W	1			
24	59.36	58.14	26.9	31.6	Calm		SW	2			
25	59.08	57.89	26.1	31.5	Calm		SW	2			
26	59.46	58.99	28	31.5	Calm		W	1	S		
27	59.23	58.79	26	31.8	N	1	NW	1	SW		
28	60.23	58.68	28	32	Calm		W	2	SW		
29	59.16	57.52	27.5	32	Calm		NW	3	SW		
30	57.63	56.11	26.5	32.7	Calm		NW	2	SW		
31											
Mean	60.70	59.44	25.5	31.3	0.1		1.9				
Total											0

CANDON.

[ϕ=17° 12′ N; λ=120° 26′ E; barometer above sea, 6 meters; gravity correction not applied, —1.62 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind direction and force (0–12). 6 a. m.	Wind direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	57.56	56.53	26.4	32	Calm	SW 2	S	NW	
2	58.06	57.72	25.4	32.4	Calm	WSW 3		NW	
3	59.98	59.65	26.5	32	Calm	W 1			
4	60.43	59.06	27.5	32.5	Calm	NW 1			
5	59.32	57.92	27	31.8	Calm	SW 1	SW	S	
6	58.36	57.72	25.4	31.6	Calm	SW 1		SW	
7	59.02	58.02	25	32.2	Calm	W 2			
8	58.84	58.33	25.6	32	Calm	W 1		SW	
9	58.69	57.22		32	Calm	W 3			
10	59.51	58.89	27.8	32.5	Calm	W 2	SW		
11	59.92	58.64	26.5	32	Calm	W 1			
12	59.33	58.17	26.4	32	Calm	W 2		W	
13	58.58	57.56	26.5	32.5	Calm	NW 1			
14	58.51	57.76	25.5	32.6	Calm	SW 1			
15	58.67	57.67	27	32	Calm	SW 3	SW		
16	57.86	57.96	27	32.5	Calm	SW 3	S		
17	58.45	57.77	28	32.5	Calm	SW 3	NW		
18	58.17	57.36	26.5	32.5	Calm	W 1			
19	58.99	57.62	26.2	32.6	Calm	NW 3		E	
20	57.99	58.13	26.5	33	Calm	NW 2		E	
21	58.29	57.49	25.5	32.5	Calm	NW 3	SW	SW	
22	59.01	57.86	25	32.5	Calm	NW 3			
23	58.56	57.72	25.5	32	Calm	NW 3			
24	57.81	57.12	25.5	32.5	Calm	NW 2			
25	57.82	55.61	27	32.6	Calm	NNW 2	W		
26	56.73	56.20	26.8	32.5	NNW 1	NNW 2			5.1
27	57.21	56.57	26	32.5	Calm	NW 3			
28	57.89	57.28	26.1	33.2	N 1	SW 1			
29	59.22	58.06	27.5	32.8	Calm	W 1		E	
30	58.62	57.19	26.5	32.5	Calm	SW 3			
31	58.43	57.54	27	31.6	Calm	SW 1			
Mean	58.58	57.69	26.4	32.3	0.1	2			
Total									5.1

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	58.07	57.85	27.4	33.2	Calm	W 1			1.8
2	59.76	58.49	25.5	32.5	Calm	NW 3			
3	59.69	58.19	26.5	32.2	Calm	NW 3		E	
4	57.69	56.94	26	32.6	Calm	SW 2			
5	57.16	56.51	27	32.5	Calm	SW 1			
6	58.18	56.26	27	32.5	NNE 1	SW 3			2
7	57.82	56.26	25.5	32.5	Calm	SW 3			
8	57.66	56.42	27.1	32	Calm	SW 3	SW		11.9
9	57.54	57.19	27.5	31	Calm	SSW 2		SW	30.2
10	58.56	57.14	25.5	31.5	Calm	SW 1			18
11	58.23	57.24	26.8	32	Calm	NW 2			
12	58.39	56.06	26.2	32.5	Calm	NW 1			47.8
13	58.56	56.60	26	30.8	Calm	W 1		SW	3
14	58.19	57.26	26.2	31	Calm	SSW 2	SW		2.3
15	56.91	56.18	25.6	32.5	Calm	SW 3		S	
16	56.13	56.45	26.5	31	Calm	SSW 3		SW	
17	55.76	55.22	25.5	32.4	Calm	SSW 3		S	
18	56.57	56.46	27.4	31.4	Calm	SW 3	S	SW	
19	56.47	55.66	27.2	30.5	Calm	SSW 3	S	SW	10.9
20	55.56	55.42	26.2	32.4	SSE 1	SSW 3			4.3
21	56.15	56.18	26.9	31	Calm	SW 4	S	S	
22	56.59	56.32	25.9	32.2	Calm	SSW 3	SW		2
23	57.86	56.17	25.7	32.2	Calm	SW 3		S	
24	57.24	56.34	25.5	31.6	Calm	SW 3	SW	SW	
25	56.89	56.62	26	31	Calm	W 1		SW	
26	57.46	57.48	25.5	31.7	Calm	W 1		S	5.1
27	57.06	56.64	26	31.4	Calm	WSW 1	S		20.3
28	56.58	55.95	26.5	30.7	Calm	W 1	S	SW	4.6
29	56.72	56.20	26.5	31	Calm	W 2	S		136.1
30	57.32	57.20	25.5	30.6	Calm	SW 3		S	1.3
31									
Mean	57.43	56.63	26.3	31.7	0.1	2.3			
Total									301.6

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind direction and force (0–12). 6 a. m.	Wind direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	57.51	56.49	26	31	Calm	SW 2	S	S	87.1
2	56.93	56.22	25.5	31.4	Calm	SW 1		SW	1.3
3	57.42	56.87	25.5	30.6	Calm	W 1	S		
4	58.63	57.82	26.5	30.6	Calm	SW 1		SW	
5	59.16	57.20	27	31	Calm	SW 1		SW	47.8
6	57.83	57.06	24.5	30.1	Calm	SW 1		SW	1.3
7	57.92	56.30	25.5	30.6	Calm	W 1			1.5
8	56.79	56.14	26.1	31	Calm	W 1	SW		1
9	56.64	56.43	25.1	29.5	Calm	W 1		W	
10	57.33	56.30	27	30.5	NNE 1	SSW 2		SW	5.6
11	57.62	56.90	25.5	31	Calm	W 1	S	NW	9.9
12	57.94	57.16	24.2	30.5	NNE 1	W 1			
13	57.43	57.10	25	30.6	Calm	WSW 1		S	
14	57.26	56.54	26.5	31.5	Calm	W 1		S	3
15	57.73	57.20	25	30.7	Calm	W 1			
16	57.81	57.17	25.5	31.4	Calm	SW 1	S	SW	27.9
17	57	56.96	25.4	30.5	Calm	SW 1			1
18	57.13	55.20	25.5	31	Calm	NW 1		W	6.6
19	54.50	53.03	25	31	NNE 1	SW 1			
20	53.74	52.52	27	30.8	NNE 1	NNW 2		NW	7.6
21	53.28	52.28	25.5	30.8	Calm	SW 4		S	9.1
22	53.93	53.73	25.5	29.5	Calm	S 4	S	S	
23	53.87	53.53	26	30.5	Calm	SSW 4	S		2
24	55.41	55.28	25.9	30	Calm	SW 3			
25	55.82	55.81	25	29.7	Calm	SW 3		S	31.7
26	56.68	57.03	25	28.5	Calm	SE 1	S		7.3
27	56.69	55.73	24	29.8	N 1	NW 1			1.5
28	55.11	54.26	26.5	28.5	Calm	SW 1	W	SW	63
29	55.46	54.97	25.9	28.5	Calm	SW 1	SW	SW	49
30	55.88	55.19	24.9	29.1	Calm	SSW 4	S	S	48.5
31	54.76	52.86	24.5	27.1	S 3	S 4		S	235.2
Mean	56.49	55.72	25.5	30.2	0.3	1.7			
Total									648.9

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.	Wind, direction and force (0–12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	52.48	52.01	24.8	24.8	SW 1	SSW 3	SW		354.6
2	53.15	54.49	24.5	26.4	S 3	SSW 2	SW	SW	29.5
3	55.52	56.81	25.2	27.2	Calm	S 2	SW	S	1
4	56.95	56.21	24	28.5	Calm	W 1	SE		3
5	56.73	56.49	24.2	29.4	Calm	WNW 1			34
6	57.83	57.39	24.8	29.2	Calm	W 1		SW	1.3
7	58.76	58.05	25.5	29.4	NNE 0	SW 1		SW	
8	57.94	56.63	25.6	29	Calm	SW 1		SW	1
9	56.91	56.23	25	30	Calm	W 1			1.3
10	57.32	55.89	25.5	29.2	Calm	W 1		W	17.3
11	57.11	55.84	25.2	29	Calm	SSW 1	S	SW	14
12	55.73	54.11	25	29.4	Calm	W 1	N	SW	17.3
13	54.43	53.61	25	29.5	Calm	WSW 1		SW	27.9
14	54.85	54.80	24.8	29.7	Calm	SW 1		SW	4.3
15	56.86	56.01	25.5	30.5	Calm	W 1			2
16	57.66	56.56	25.5	30	Calm	SW 3		SW	13.5
17	56.99	55.73	25.9	30	Calm	W 1		SW	16.5
18	56.06	56.09	26	29	Calm	W 3		SW	2.5
19	56.31	55.83	25.5	29.5	Calm	NW 3		NW	41.1
20	56.99	55.43	26	29.5	Calm	W 1	S		1.8
21	56.54	55.83	25.6	29.7	Calm	SW 1		SW	5.1
22	56.91	56.08	25.5	29.6	Calm	SW 1	S	SW	57.1
23	55.76	55.01	25.5	30	Calm	WSW 1	S	SW	16.5
24	56.47	55.43	25.5	29.6	Calm	SW 2	S	SW	25.4
25	56.71	54.67	25.6	28.9	Calm	SW 1	S	SW	1.3
26	54.32	52.65	26	30	Calm	SW 2	SW	SW	1
27	51.85	51.14	26	30.2	Calm	SW 2		SW	22.9
28	51.07	51.53	26	28.1	Calm	S 2		S	10.7
29	52.28	52.16	26	27	S 3	S 3	S	S	133.4
30	54.19	54.76	25	25.5	S 3	SSE 1	S	S	92.9
31	53.40	52.90	24.8	26	SE 2	S 2	S	S	59.5
Mean	55.68	55.04	25.3	28.8	0.4	1.5			
Total									1009.7

CANDON.

[ϕ=17° 12′ N; λ=120° 26′ E; barometer above sea, 6 meters; gravity correction not applied, —1.62 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	52.60	51.84	25	27.4	Calm	SSW 3	SE	S	3.8
2	53.10	51.96	24.9	29	Calm	SSW 2	S	S	3.8
3	53.90	52.21	24.9	29.5	NE 1	NW 1			17.8
4	53.75	52.69	25	30.5	Calm	SW 3	S		
5	54.83	54.47	25.2	31.5	Calm	SW 3			1.5
6	57.93	57.24	25	29.4	Calm	SSW 1		SW	
7	58.14	56.51	25.8	30	Calm	W 1	N		
8	57.18	56.34	26.5	29	Calm	SSW 1	S	SW	14
9	56.82	56.49	25	29.5	Calm	SW 1	SW	SW	10.4
10	56.91	56.09	25.5	29.5	Calm	S 2		SW	
11	56.56	55.23	25.5	29.4	Calm	SW 1	S	SW	3.3
12	56.22	55.73	25	29.6	Calm	SW 2			
13	55.94	54.55	25.5	29.6	Calm	SW 1		SW	10.9
14	54.53	53.82	25	29.5	Calm	SE 1	S		22.9
15	52.07	51.54	26.4	27.5	SE 1	E 1			37
16	50	51.39	26	27.6	WNW 5	WNW 5			28
17	52.08	53.70	26	26.8	SSW 2	SSE 4			34.3
18	55.43	55.20	26.2	28.6	ESE 1	ESE 2			24.1
19	55.42	53.76	25.7	28.5	Calm	SW 1		SW	3.3
20	54.80	54.07	25	28.5	NE 1	SW 1			
21	55.96	56.47	25.6	26.5	Calm	SW 2		SW	4.5
22	57.98	57.76	25	26.5	Calm	SSE 1			1.3
23	59.48	58.19	24.5	29.5	Calm	W 1			1
24	59.11	57.55	25.4	29.7	NNE 1	W 1			3.3
25	58	56.94	24.5	29.1	Calm	W 1			62.7
26	57.50	55.85	23.5	29	Calm	NW 1		NW	1
27	55.10	53.26	25	27.5	Calm	NE 1		NE	29.4
28	52.48	53.62	26	27	NW 3	NW 4	NW	NW	23.6
29	55.76	55.05	26	29	Calm	W 1	W		
30	55.89	55.75	23.7	29	Calm	WNW 1		NW	
31									
Mean	55.52	54.84	25.3	28.8	0.5	1.7			
Total									341.9

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	57.38	56.75	24.4	29	WNW 1	SSW 2		SW	14
2	58.88	57.44	24.5	29.8	Calm	SSW 2	SW		12.9
3	58.42	58.01	25.4	25.3	SSE 1	SSW 4		SW	33.2
4	58.31	57.10	23	28.4	Calm	WNW 1		NW	
5	58.33	57.25	24.4	29.5	Calm	NW 1		NW	
6	58.07	57.34	25	28.8	Calm	SW 1			
7	59.55	58.34	24.4	29.9	Calm	NW 1		NW	
8	59.23	57.56	24.5	27.5	SE 1	NNW 1		NW	2.5
9	57.08	55.76	24.5	27.5	Calm	NW 1		NW	1.3
10	56.01	55.17	25.4	27	N 1	N 3			7.9
11	54.50	54.02	25	29.1	SE 1	NW 1		NW	40.6
12	57.08	57.11	24.6	28.5	Calm	SW 1	NE		1
13	58.18	57.12	24.4	28.1	Calm	SSW 1			1
14	57.31	55.93	26	29.5	Calm	NW 1			1
15	56.52	55.29	25	30.1	Calm	SW 1			
16	56.73	54.73	24.5	31.6	NNE 1	NNE 3			
17	56.80	54.86	23.9	26.8	Calm	NE 2	N		2.5
18	57.34	57.89	24.4	28.9	Calm	NW 1		NW	4.3
19	60.13	58.93	24.5	29.5	NNE 1	W 1			
20	59.74	57.18	23.4	29.9	Calm	SW 1			
21	59.48	59.10	23.2	30.2	Calm	SSW 1			
22	59.58	58.01	24.7	30	Calm	W 1			
23	58.93	57.53	24.2	29.8	Calm	NW 1		NW	1
24	58.88	56.99	24.2	29.7	Calm	W 1			
25	58.44	56.68	24	30	Calm	WNW 1			
26	56.94	55.53	23.5	29.4	NNE 1	NNE 3			6.6
27	51.31	53.10	26	26.8	W 3	SSW 5	NW	SW	19
28	57.82	57.83	25	30	Calm	SSW 2	S	S	
29	58.87	58.10	25.4	29	Calm	W 1	S	W	3
30	60.12	58.99	25.5	28.6	Calm	Calm		NW	2.3
31	61.01	59.48	24.5	29	Calm	NW 2		NW	
Mean	57.97	56.94	24.6	28.9	0.4	1.5			
Total									154.1

NOVEMBER.

	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	59.78	58.36	25	29.5	Calm	SSW 1			
2	59.51	57.83	25	30	Calm	SW 1			
3	58.89	57.53	24	29.5	Calm	NW 2			1
4	59.81	57.85	25	30	Calm	SW 1			
5	59.96	58.46	25.2	29.5	Calm	SW 1		W	
6	59.40	57.29	23	30.5	NNE 1	SW 2			
7	58.65	57.78	23.5	30	Calm	S 1		SE	
8	61.13	59.49	24	30	Calm	SW 1			
9	60.04	57.34	24	29.5	Calm	SW 1			
10	59.68	57.83	23.6	30.1	Calm	SW 1		SE	
11	60.30	58.86	23.6	29.5	NNE 0	SW 1			
12	60.75	58.88	23.5	30	Calm	SW 1			
13	59.40	57.78	23.4	29.5	Calm	SW 1			
14	58.63	57.88	23.4	29.5	Calm	SW 2		NW	
15	60.06	58.14	22.5	30.5	Calm	SW 1			
16	59.70	58.26	23.5	29.5	Calm	SW 1			
17	58.70	57.63	23.2	30	Calm	SSW 1			2.5
18	59.05	57.49	23.4	29.5	Calm	SW 1			13.5
19	59.30	57.39	24	29.4	Calm	SW 1		W	
20	58.88	56.78	24.4	30.6	NNE 1	NE 3			
21	58.08	57	22.8	29	NE 1	NW 3			
22	59.88	57.46	22.5	28.2	NE 1	SW 1	SW		
23	59.70	56.91	21.6	28.5	Calm	SW 2			
24	58.25	56.88	21.5	27.4	Calm	W 1			
25	57	53.75	21.5	30	NE 1	NE 3		NE	
26	55.66	55.70	24.9	30.5	Calm	NNE 1			
27	59.18	57.73	23.9	30	Calm	NE 1		N	
28	58.74	57.19	23.7	29.1	Calm	SW 1		SW	
29	56.14	56.21	24.5	27.8	NE 2	Calm	NE		1
30	57.53	56.76	24.6	26.5	Calm	Calm			1
31									
Mean	59.06	57.48	23.6	29.5	0.2	1.3			
Total									19

DECEMBER.

	mm.	*mm.*	*°C.*	*°C.*					*mm.*
1	59.08	58.11	23.7	29.2	Calm	SSW 1			
2	60.88	59.14	24.4	29.5	Calm	SW 1	NE		
3	60.34	57.59	24.4	29	Calm	SW 1	NE	NW	
4	58.75	56.09	23.8	30.2	Calm	NE 4			
5	57.70	56.91	23	28.4	NE 1	NNW 4		N	
6	59.79	58.20	21.8	28.6	NE 1	NE 3			
7	61.14	59.31	21	28.5	Calm	NE 1			
8	61.94	60.35	18.5	27.8	Calm	NNE 3			
9	61.74	60.49	19	28.5	Calm	W 1			
10	62.09	60.26	20.7	29.5	Calm	SW 2			
11	61.43	60.79	21	28	Calm	SE 2			
12	61.56	60.56	22	28.6	Calm	SW 1			
13	61.45	60.36	19.4	28.5	Calm	WSW 1			
14	62.65	60.13	20	29	Calm	SE 1			
15	61.83	59.56	21.5	29	Calm	NE 1			
16	61.08	59.64	22.7	29	Calm	NW 2		NW	
17	60.82	59.14	22	28.7	Calm	NW 2			
18	60.53	58.89	22	28.5	Calm	NNW 1			
19	58.79	57.41	21.5	28	Calm	SW 1			
20	59.21	57.89	21.1	29.4	Calm	SW 1			
21	59.58	58.64	22	28.2	Calm	WNW 1			
22	60.55	58.70	20	28.2	Calm	N 1			
23	61.65	60.29	20.8	28.5	NE 1	NW 1			
24	61.35	59.29	20	29	Calm	NW 1			
25	61.52	60.41	22.5	29.5	Calm	SW 2			
26	62.01	59.49	23.5	30.2	Calm	NNE 3	S		
27	60.50	59.61	23.5	28.5	Calm	SW 1	SW		
28	62.22	60.93	21.5	28.4	Calm	N 3		NW	
29	61.93	60.43	21.3	28.7	Calm	WSW 1			
30	61.81	61	22.9	29	Calm	SW 1			
31	62.73	60.30	22	29.9	Calm	WSW 2			
Mean	60.92	59.35	21.7	28.8	0.1	1.6			
Total									0

LAOAG.

[ϕ=18° 12′ N; λ=120° 35′ E; barometer above sea, 13 meters; gravity correction not applied, —1.58 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	60.89	59.74	20.3	29.9	ESE	1	N	2			
2	61.54	59.22	20.3	31	E	1	NNE	3			
3	61.95	59.69	23.2	31.5	NNE	2	NNE	3			
4	61.65	59.80	21	32.4	NE	1	NE	3			
5	60.94	60.05	19.9	30.5	NNE	1	N	3			
6	61.26	59.85	19.5	29.5	E	1	NNW	3			
7	61.33	59.06	17.7	32	E	1	NE	4			
8	60.98	58.72	19.8	29.3	E	1	SW	3			
9	60.42	60.42	22.8	21.9	ESE	1	N	4			6.4
10	61.71	59.59	21	30.5	ESE	1	NW	3			
11	61.99	60.36	20.6	30.5	ESE	1	NNW	3			
12	62.25	61.03	19.5	29.7	ESE	1	NW	3			
13	62.11	60.84	20.7	29.3	E	1	NW	3			
14											
15	62.48	60.96	19.9	30.4	ESE	1	WNW	3			
16											
17	62.86	62.01	20.3	30.4	E	1	NW	3			
18	63.35	61.82	20.4	29.9	ESE	1	NNW	3			
19	63.52	62.17	17.3	30.9	E	1	NNW	3			
20	63.49	62.14	16.9	28.9	ESE	1	WSW	3			
21	63.76	62.09	18.8	28.9	ESE	1	WSW	3			
22	62.76	61.44	18.7	28.4	ESE	1	SW	3			
23	62.34	61.33	18.5	29.3	E	1	WSW	3			
24	62.97	61.82	18.7	28.9	ESE	1	SW	3			
25	63.04	61.79	18.8	29.3	E	1	SW	3			
26	63.11	61.37	17.5	30.3	EbyS	1	WSW	3			
27	64.24	63.23	18.6	28.1	ESE	1	NNE	3			
28	64.93	63.15	20.9	26	NE	2	NE	4			.3
29	64.81	62.66	21.3	28.1	NNE	2	NNE	4			
30	63.94	62.62	21.5	26.5	NE	2	NE	4			
31	63.61	61.04	21.3	32	NE	2	NE	3			
Mean	62.56	61.03	19.9	29.5	1.2		3.1				
Total											16.7

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	62.89	62.38	21.8	26.5	NE	2	NE	4			
2	64.06	63.54	21.3	24.9	NNE	2	NNE	4			
3	64.44	61.82	17.9	27.7	E	1	N	4			
4	63.23	62.28	18.1	30.5	E	1	NE	4			
5	63.90	61.53	19.9	31.9	E	1	NNW	3			
6	63.79	62.73	20.5	29.4	E	1	NNW	4			
7	63.99	62.37	17.5	28.9	E	1	NW	3			
8	64.36	62.19	19.3	27.9	ESE	1	NW	4			
9	63.79	61.81	19.4	27.6	ESE	1	NNW	4			
10	62.69	60.86	20.9	28.3	E	1	NNW	3			
11	61.80	61.19	19.5	29.1	ESE	1	NW	3			
12	61.81	59.01	18.3	32.3	E	1	WSW	3			
13	60.03	58.68	20.3	29.5	ESE	1	WSW	3			
14	60.41	58.78	19.9	29.9	EbyS	1	NW	4			
15	59.98	58.51	18.3	31.1	E	1	NW	3			
16	60.23	58.64	20.3	30.3	E	1	NW	3			
17	60.10	58.89	19.8	31.6	ESE	1	NW	3			
18	60.52	59.25	22.6	31.9	E	1	NNW	4			
19	61.86	60.74	19.7	33.5	E	1	NE	3			
20	62.28	59.92	19.9	32.4	EbyS	1	NE	4			
21	61.96	60.61	18.7	29.9	E	1	NNW	4			
22	61.93	61.88	22	26.1	E	1	NW	4			
23	61.12	59.86	21.3	30.9	E	1	NW	4			
24	60.42	58.86	21.5	30.4	EbyS	1	NW	4			
25	60.94	59.87	21.7	29.8	E	1	NW	4			
26	60.71	59.24	21.2	30.3	E	1	NW	3			
27	59.71	58.86	19.9	29.4	EbyS	1	W	3			
28	60.32	58.35	19.9	31.4	E	1	NW	3			
29	59.61	58.28	19.3	31.3	E	1	NW	3			
30											
31											
Mean	61.82	60.38	20	29.8	1.1		3.5				
Total											0

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	59.86	59.23	21.7	29.5	E	1	NW	3		W	
2	60.98	60.01	21.7	31	E	1	NW	3			
3	61.70	61.42	19.7	29.5	E	1	NW	3			
4	61.93	60.46	19.9	30.8	EbyS	1	NW	3			
5	60.63	59.92	21.7	29.9	E	1	WNW	3			
6	61.05	59.55	22.3	30	E	1	NNW	3			
7	61.48	59.58	21.5	31.5	EbyS	1	NNW	4			
8	60.98	60.46	22.4	30.5	E	1	NW	3			
9	62.21	60.70	22.7	31.5	EbyS	1	NW	3			
10	61.22	59.96	22.8	31	E	1	WSW	3		SSW	
11	60.54	58.41	22.6	30.3	EbyS	1	SW	3			
12	58.84	57.43	21.6	30.5	ESE	1	NW	3			
13	59.36	57.68	22.4	31.9	ESE	1	NNW	3			
14	59.90	58.48	19.9	32.9	E	1	NNW	3			
15	59.92	59.75	19.8	31.5	E	1	SSW	3			
16	60.53	59.76	21.5	30.6	E	1	NNW	3			
17	61.57	59.88	22.5	30.3	EbyS	1	NNW	4			
18	61.88	60.22	23.3	31.3	NNE	2	NE	4			
19	62.09	60.21	20.7	32.2	ENE	1	NNW	3			
20	61.39	60.26	21.8	30.5	EbyS	1	WNW	3			
21	62.88	61.61	20.7	31.5	E	1	NW	3			
22	62.58	61	20.8	31.9	E	1	NW	3			
23	62.13	59.90	20.8	31	E	1	NNW	3			
24	62.04	60.86	21.7	30.9	EbyS	1	NW	4			
25	62.25	60.92	19.5	31.8	E	1	W	3			
26	61.94	60.01	22.1	31.4	E	1	SW	3			
27	62.01	60.57	22.1	30.8	E	1	NW	3			
28	61.68	59.91	20.8	31.9	EbyS	1	NW	3			
29	61.72	60.92	21.7	32.5	E	1	NW	3			
30	61.62	60.24	20.9	32.7	E	1	WNW	3			
31	61.88	60	19.9	34.5	E	1	W	3			
Mean	61.30	59.98	21.4	31.2	1		3.1				
Total											0

APRIL.[2]

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.							*mm.*
1	61.47	59.35	19.8	31.9	E	1	WNW	3			
2	61.19	59.86	20.5	32	EbyS	1	NW	3			
3											
4											
5											
6											
7											
8											
9	60.61	59.80	24.2	32.6	ESE	1	W	3			
10	61.95	60.18	24	35.5	ESE	1	NW	3			
11	62.12	59.87	22.5	38	NE	1	SE	3		E	
12	63.42	62.27	24.6	29.6	NE	3	NE	5		ENE	
13	62.67		22.8		SE	1					
14											
15		60.11		31.5			SW	3			
16	61.52	59.89	24.1	31.7	E	1	NW	5			
17	61.03	59.75	23.5	31.5	ENE	1	NW	3		ENE	
18	60.84	59.76	25.1	32.1	ESE	1	SW	3			
19	60.44	59.61	23.3	30.3	EbyS	1	N	3		NW	
20	59.87	59.20	25	31.9	ESE	1	NW	3		SW	
21	60.01	59.08	24	32.5	ESE	1	NW	3			
22	60.17	59.09	24.2	32.3	ESE	1	W	3		SW	
23	59.83	58.78	24.5	32.6	SE	1	W	3		SW	
24	59.49	57.85	25.4	33.1	ESE	1	NbyW	4			
25	58.83	57.53	25.7	32.2	ESE	1	NW	3			
26	59.07	58.56	26.5	33	E	1	N	4			
27	59.64	58.91	22.3	32.7	EbyS	1	NW	3			
28	59.94	58.95	26.9	33.2	ESE	1	SW	3			
29	59.48	57.75	26.5	33.5	ESE	1	NW	3			
30	57.92	56.30	25.8	33	ESE	1	NW	3			
Mean	60.52	59.20	24.1	32.6	1.1		3.3				
Total											

[1] 29 days of observation.
[2] 22 days of observation.

LAOAG.

[ϕ=18° 12′ N; λ=120° 35′ E; barometer above sea, 13 meters; gravity correction not applied, −1.58 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	57.42	56.75	26.2	33	ESE	1	WSW	4			
2	58.17	57.77	25.3	33.1	ESE	1	WSW	3			
3	59.39	59.38	26.3	34.5	SE	1	SSW	3			
4	60.41	58.83	26.2	32.5	E	1	NNW	5			
5	59.12	57.51	24.3	33.4	E	1	WSW	3			
6	58.45	57.44	25.1	33	ESE	1	WSW	3			
7	58.91	57.86	25.9	32.9	SE	1	NW	3			
8	58.67	58.04	26.4	32.5	SE	1	SSW	3		SE	
9	58.51	57.17	25.7	33.8	SE	1	WSW	4			
10	59.22	59.24	26.3	31.4	SE	1	SW	3		W	26.4
11	59.93	58.73	25	31.9	ESE	1	SW	3		W	
12	59.08	58.23	24.7	32.5	ESE	1	NNW	3		W	
13	59.03	57.63	24.2	32.5	ESE	1	NbyW	3			
14	58.31	57.68	25.3	33	ESE	1	WSW	3			
15	58.12	57.02	26.4	34.3	ESE	1	SSW	5			
16	57.53	57.29	25.1	33.5	SE	1	SSW	5			
17	57.83	57.69	26	32.2	SE	1	SSW	4	SW	SW	
18	58.64	58.75	25.9	32.4	ESE	1	WNW	4			
19	58.82	57.27	26.5	33.9	ESE	1	WSW	4			
20	58.04	57.37	26.5	31.9	ESE	1	NW	4	W	W	
21	58.52	57.78	24.9	32.4	ESE	1	WNW	3			
22	59.03	57.78	25.1	32.8	ESE	1	WSW	3			
23	58.60	57.50	24	33.5	ESE	1	WSW	3			
24	58.12	57.12	24.8	33.5	ESE	1	NW	3			
25	58.03	55.72	25.5	33.5	ESE	1	WSW	3			
26	57.36	56.53	26.1	33.3	SE	1	NNW	4		NW	
27	57.80	56.72	25.3	33.3	ESE	1	N	4			
28	57.84	57.04	26.5	33.9	EbyS	1	WNW	3			
29	58.45	57.95	26.7	32.4	ESE	1	WSW	3		SW	
30	58.37	57.24	26.3	33.9	SE	1	NNW	4			
31	58.19	57.39	26.5	33.4	ESE	1	WSW	2			1
Mean	58.51	57.63	25.6	33		1		3.5			
Total											27.4

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	58	57.82	26.9	34	ESE	1	NNW	4			
2	59.47	58.42	26	33.3	ESE	1	WNW	4			
3	59.11	58.21	26.5	34.4	ESE	1	NW	4			
4	57.76	56.79	26.3	33.9	EbyS	1	WNW	3			
5	57.42	56.36	26.5	34.9	ESE	1	WSW	3			25.9
6	58.11	56.33	26.3	32.9	ESE	1	WSW	3		NE	13.5
7	57.62	56.30	25.9	33.7	EbyS	1	WSW	3			2
8	57.02	55.95	26.4	33.6	SE	1	SW	4			
9	57.01	56.64	26.4	31.4	SSE	1	SSW	4		SE	2.8
10	58.17	55.80	25.7	33.9	ESE	1	SSW	4			
11	58.35	57.46	26.4	33.5	ESE	1	WSW	3		SE	
12	58.13	56.77	26.4	33.8	ESE	1	WNW	3		NE	
13	58.28	56.75	26.8	33.9	SE	1	WSW	3		NE	2.5
14	57.67	56.84	26.3	32	ESE	1	S	4			41.9
15	56.78	56.59	25.3	31.4	ESE	1	S	4		SW	2.3
16	55.91	55.98	25.9	29.4	ESE	1	S	5		SW	2.5
17	55.47	54.89	25.5	32.7	SE	1	SW	5			
18	55.85	56.02	26.3	33.5	SSE	1	SW	5			
19	56.27	55.36	26.4	29.8	SE	1	SSW	5		W	2.5
20	55.65	54.74	26.9	32.9	SSE	1	S	5		WSW	1.3
21	55.63	55.34	26.6	32.5	S	1	S	5		SW	18
22	56.83	56.05	25.1	33.3	S	1	SSW	4			
23	57.06	56.10	26.3	32.8	SE	1	SW	4		NE	
24	57.01	56.14	25.5	32.4	SE	1	SW	4		NE	
25	56.32	56.05	26	32.9	SE	1	SSW	4			
26	57.55	56.92	25	33.4	Calm		SSW	4			
27	56.81	56.29	26.5	33.5	SE	1	SW	4			
28	56.42	55.50	26.5	33.4	SE	1	SW	4		S	1.8
29	56.97	55.94	26.1	31.8	S	1	SW	4		NE	.5
30	57.36	56.63	26	32.3	SE	1	SSW	4		NE	2.3
31											
Mean	57.20	56.40	26.2	32.9		1		4			
Total											119.8

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	57.13	56.23	25.3	33.9	SE	1	SSW	4			33.6
2	56.85	56.43	23.8	32.5	SE	1	SW	3			
3	57.28	56.89	25.1	32.9	SE	1	SW	3		NE	7.4
4	58.12	57.48	25.4	32.2	SE	1	WSW	3		NE	2.5
5	58.46	57.26	25.5	30.9	SE	1	W	3		NE	41.4
6	57.91	57	25	32.3	SE	1	WSW	3		NE	
7	57.76	56.28	25.9	31.9	SE	1	WSW	3		NE	16.5
8	56.98	56.20	24.4	30.5	SE	1	WNW	1		WNW	4.3
9	56.24	56.26	23.9	32.5	Calm		W	1		NE	
10	57.14	56.34	25.6	32.1	Calm		NW	1		ESE	1.8
11	57.62	57.13	25.3	30.6	Calm		W	1		ESE	50.8
12	58.28	56.81	23.3	31.6	Calm		NW	1		ESE	42.2
13	57.29	57.26	23.3	31.3	Calm		NNW	1			
14	57.09	56.69	24.4	31.8	Calm		NW	2		E	.5
15	57.31	57.37	24.2	29.8	Calm		Calm			E	17
16	57.63	57.26	23.6	32.3	Calm		NW	2			.1
17	56.78	56.69	23.3	31.9	SE	1	W	2	SE	SW	.6
18	56.80	55.02	23.9	31.8	Calm		W	1			1.5
19	54.48	52.46	23.7	33.4	ESE	1	NE	1			
20	53.73	52.46	25.3	31.4	Calm		NW	1			
21	52.92	52.84	26.2	30.8	Calm		SW	3		SSW	8.4
22	53.54	53.10	24.9	31.1	Calm		SSW	4	SSW	SSW	.4
23	53.66	53.01	25.4	30.8	Calm		SSW	2	SSW	SSW	.5
24	54.76	54.76	25.3	32.5	Calm		SSW	3		SSW	
25	55.47	55.41	24.6	31.9	S	1	SSW	3		SSW	2.5
26	56.58	56.31	24.1	32.6	Calm		SSW	3		E	1.8
27	56.80	55.56	23.4	31.6	Calm		NNW	2		NNW	
28	54.99	54.01	25.4	29.7	Calm		ENE	1			
29	55.09	54.71	25.6	27.9	Calm		WSW	3		W	44.4
30	55.74	54.66	24.7	29.9	Calm		SSW	3		SSW	50.8
31	53.91	52.20	23.6	24.6	ESE	1	SSW	4		SSW	257.8
Mean	56.27	55.54	24.6	31.3		0.4		2.2			
Total											589.8

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0–12). 6 a. m.		Wind, direction and force (0–12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*							*mm.*
1	51.91	51.45	23.7	24.4	SSW	2	SSW	4	SSW	SW	202.2
2	52.72	54.01	24.2	26.9	SSW	4	Calm		SW	SSW	64.5
3	55.16	55.86	24.6	29.8	ESE	1	SSW	4		SSW	2.8
4	56.85	56.26	23.2	30.4	Calm		W	2		E	10.2
5	56.52	56.45	23.4	30.1	Calm		N	3		E	9.9
6	58.01	57.23	23.7	31	Calm		SW	3		SSW	
7	58.33	58.01	24.7	30.7	Calm		SW	2		SSW	
8	57.53	56.93	24.4	30.3	Calm		WSW	3			3.6
9	56.69	56.34	23.8	30.7	Calm		W	2		E	.2
10	56.88	56.26	23.8	28.4	Calm		WNW	2		WNW	28.7
11	56.85	55.47	23.4	29.9	ESE	1	WNW	2		E	1.8
12	55.64	53.98	24.4	25.9	Calm		S	1			20.7
13	54.41	53.51	23.5	30.2	ESE	1	W	2		W	.8
14	54.66	54.56	23.9	31.2	Calm		W	2		SSW	
15	56.53	56.01	24.4	31.6	ESE	1	W	3		SSW	
16	57.53	56.31	24.2	31.4	ESE	1	WSW	2			7.9
17	57.05	55.76	24.4	30.2	ESE	1	W	2			.1
18	56.02	55.86	25.4	28.3	Calm		SW	2		SSW	8.9
19	56.15	55.61	23.9	29.9	Calm		WSW	1			
20	56.48	55.46	24.4	30.9	ESE	1	W	3			
21	56.35	55.81	24.9	32.3	ESE	1	WSW	3			33.5
22	56.75	55.99	24	31.7	Calm		WSW	2			.3
23	55.48	55.11	23.9	30.9	Calm		WSW	3			.4
24	56.34	55.44	24.2	30.6	Calm		W	3		E	9.7
25	56.51	55.21	24.6	28.2	Calm		Calm				
26	54.04	52.80	24.4	31.2	Calm		W	2		WNW	
27	51.95	50.96	23.9	31.4	ESE	1	WSW	3		SSW	9.9
28	50.68	51.19	24.9	28.1	ESE	1	SSW	4	SW	SSW	39.6
29	51.48	51.65	25.4	27.4	SSW	3	SSW	4	SW	SSW	85.6
30	53.85	54.82	24.3	23.8	ESE	1	SSW	1	SSW	SSW	45.5
31	52.63	52.28	24.3	28.1	SE	1	WSW	2	SSW	SW	32.2
Mean	55.42	54.92	24.2	29.5		0.7		2.3			
Total											619

LAOAG.

[$\phi = 18°\ 12'$ N; $\lambda = 120°\ 35'$ E; barometer above sea, 13 meters; gravity correction not applied, —1.58 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	52.25	51.53	24.4	28.7	Calm	SSW 2	SSW	SSW	1.3
2	52.91	52.39	24.3	27.4	Calm	NW 1	------	NNW	2.3
3	53.57	52.28	23.7	29.7	Calm	W 1	------	NE	9.7
4	53.43	52.98	24	31.4	Calm	W 2	------	NE	3.6
5	54.98	55.13	23.9	31.4	Calm	SW 1	------	------	.5
6	57.76	57.13	24.4	29.9	Calm	W 1	------	------	10.7
7	58.04	56.25	24.2	31.8	Calm	Calm	------	NE	17.8
8	56.92	56.11	24.9	31.3	Calm	W 3	------	E	15.2
9	56.73	56.12	24.5	30.6	SE 1	W 2	NNW	------	13.2
10	56.83	55.57	24.4	30.9	Calm	W 3	------	------	1
11	56.21	55.07	24.2	31.4	Calm	SW 2	------	------	7.6
12	55.94	55.17	24.1	30.9	Calm	SW 3	------	SSW	------
13	55.63	54.46	24.2	29.7	Calm	W 3	NNW	SW	17.5
14	54.27	52.73	23.9	28.9	Calm	WNW 2	------	WNW	9.9
15	51.03	49.32	25.5	29.5	Calm	NNW 4	N	N	9.7
16	48.81	49.87	27.3	26.3	W 3	W 2	W	W	15.7
17	51.99	53.13	25.4	29.4	SSW 3	SSW 3	SSW	SSW	1.8
18	55.11	54.28	23.8	29.1	Calm	SSW 1	------	SSW	13.1
19	54.65	53.58	23.8	29.9	Calm	W 1	------	NE	1.3
20	54.50	53.92	24.3	30.2	Calm	W 1	------	W	3.3
21	55.71	55.56	24.6	29.4	SE 1	SSW 2	------	------	------
22	57.79	57.64	24.4	26.9	Calm	ESE 1	SSW	WSW	4.2
23	59.49	58.45	23.3	30.7	ESE 1	W 1	------	------	20.3
24	59.01	57.28	23.9	32.1	Calm	NE 4	------	E	1.5
25	58.13	57.06	24.2	30.2	Calm	NNE 3	------	N	------
26	57.38	56.38	25.7	28.8	NNE 1	NNE 4	------	E	3.3
27	55.36	53.20	24.4	26.2	Calm	NNE 3	NNE	NNE	55.9
28	49.42	51.52	25.5	25.5	NW 5	WNW 4	NNW	NW	43.2
29	55.01	54.85	25.6	27.5	SSW 1	WSW 1	WNW	WSW	.5
30	55.93	55.68	24	25.7	Calm	SSW 1	SSW	WSW	7.9
31	------	------	------	------	------	------	------	------	------
Mean	55.16	54.49	24.5	29.4	0.5	2.1	------	------	------
Total	------	------	------	------	------	------	------	------	292

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	57.51	56.55	23.4	28.9	ESE 1	NW 1	W	------	18.3
2	59.03	57.99	23.4	29.8	SSW 1	W 1	SSW	SSW	6.1
3	57.73	56.89	23.9	26.5	Calm	SSW 3	S	SSW	41.9
4	58.61	56.76	22.7	31.1	Calm	NNE 3	------	E	------
5	58.42	56.78	21.9	32.8	Calm	Calm	------	E	.5
6	57.88	56.72	24.1	32.2	Calm	WSW 1	------	E	8.4
7	59.29	57.96	23.1	31.4	Calm	NNE 2	------	E	5.8
8	59.43	57.36	24.3	29.7	Calm	NNW 4	E	E	3.8
9	57.13	55.54	24.8	28.2	Calm	NNW 3	N	NNE	9.1
10	55.66	53.97	25.4	25.8	NNW 3	WNW 3	NNW	WNW	25.9
11	54.53	54.72	23.9	29.9	Calm	NNW 2	SSE	ESE	2
12	57.35	57.01	23.4	29.9	Calm	Calm	------	------	.5
13	58.24	56.92	23.3	31.8	ESE 1	Calm	------	ESE	------
14	57.40	56.03	24.7	32.4	Calm	NNE 2	------	E	------
15	56.85	54.72	24.8	34.1	NNE 1	ESE 2	ESE	ESE	------
16	57.61	55.86	25.4	31.9	NE 1	NE 2	ESE	------	------
17	57.44	56.69	24.3	27.7	NNE 1	NE 2	------	E	------
18	56.99	57.88	25.2	29.3	Calm	ENE 2	E	ESE	------
19	59.69	58.90	24.2	32	Calm	ENE 1	ESE	------	------
20	60.09	57.55	24.1	32.7	NNE 2	Calm	------	------	------
21	59.80	58.43	24.7	32.7	NNE 2	ENE 2	------	ESE	------
22	59.50	57.27	22.7	32.6	Calm	NE 3	------	------	------
23	59.05	56.98	21.9	31.8	Calm	NNW 1	------	E	------
24	58.83	57.08	23.2	31.8	Calm	WNW 2	------	ESE	------
25	58.59	56.74	21.4	32.4	Calm	NNE 4	------	ESE	------
26	57.34	56.24	24.9	27.5	NNW 1	N 2	------	NNE	11.2
27	46.95	50.07	26.5	24.1	NNE 8	SE 5	NE	------	138.9
28	57.38	57.63	24.4	29.9	Calm	WSW 4	SSW	SSW	.4
29	58.55	58.28	24.8	28.2	Calm	WNW 1	S	SW	.5
30	59.71	58.97	22.9	29.8	Calm	NW 1	------	WNW	.4
31	61.01	59.61	23.9	29.4	Calm	WNW 1	------	------	------
Mean	57.85	56.78	23.9	30.3	0.7	1.9	------	------	------
Total	------	------	------	------	------	------	------	------	273.7

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	59.84	58.47	23.9	31	Calm	WSW 1	------	------	------
2	59.35	57.66	23.9	30.9	Calm	Calm	------	------	------
3	58.88	57.81	23.3	31.1	ESE 1	WSW 1	------	------	------
4	59.83	57.68	23.8	30.3	Calm	NW 1	------	WNW	------
5	59.86	58.41	23.4	31.3	Calm	Calm	WNW	------	------
6	59.79	58.25	21.5	32.2	Calm	ENE 1	------	------	------
7	59.58	58.13	24.4	31.4	Calm	ENE 3	E	------	------
8	61.07	59.50	24.4	30.4	Calm	NNE 2	E	E	------
9	60.20	58.20	23.9	31.9	Calm	NE 3	NNE	E	------
10	59.84	58.27	22.8	29.7	Calm	NE 4	E	E	------
11	60.47	58.67	23.5	32.2	Calm	NNE 2	------	E	------
12	60.55	58.38	20.9	33.9	Calm	E 1	------	E	------
13	59.14	57.52	21.4	31.4	Calm	NW 1	------	------	------
14	58.64	57.57	22.4	32	Calm	NW 1	------	------	------
15	60.44	58.43	24.4	30.9	NNE 2	ENE 1	E	ENE	------
16	59.68	58.03	23.9	31.7	Calm	NNE 2	------	------	------
17	58.56	57.61	22.3	30.4	Calm	E 3	------	E	0.1
18	59.06	57.43	22.4	30.8	Calm	W 1	------	WNW	------
19	59.16	57.15	23.2	31.4	Calm	NNW 3	------	E	1
20	59.64	58.08	24.3	28.4	NNE 3	NNE 5	E	E	.1
21	59.22	58.30	23.3	27.2	NNE 2	NNE 5	ESE	E	------
22	59.56	57.33	22.3	28.8	NNE 2	NNE 3	------	------	------
23	59.72	56.88	18.7	30.5	Calm	N 2	------	E	------
24	58.32	57.08	22.4	30.2	N 1	NE 3	ESE	ESE	------
25	57.42	54.93	18.4	30.4	Calm	NE 3	------	E	------
26	55.48	55.96	24.4	29.4	Calm	W 3	------	E	------
27	59.36	57.46	23.3	30.9	Calm	W 1	------	------	------
28	58.52	56.93	20.9	31.9	Calm	NNE 1	------	ESE	------
29	57.15	56.66	25.7	29.2	NNE 1	NNE 2	E	E	1.5
30	56.35	56.68	26.7	27.3	E 2	Calm	------	------	------
31	------	------	------	------	------	------	------	------	------
Mean	59.16	57.65	23	30.6	0.5	2	------	------	------
Total	------	------	------	------	------	------	------	------	2.7

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	58.90	58.31	22.4	30.8	Calm	W 2	------	------	------
2	60.98	59.27	22.8	29.9	Calm	NW 1	------	ESE	4.3
3	60.17	57.56	22.2	31.4	Calm	N 3	------	E	------
4	58.96	57.54	23.4	28.9	Calm	NNE 4	ENE	------	------
5	58.60	58.21	23.4	26.4	NNE 3	NNE 4	N	NNE	1.3
6	60.18	59.13	21.4	27.3	Calm	NNE 4	NNE	E	------
7	61.41	59.94	17.9	28.2	Calm	NNE 4	------	------	------
8	61.90	60.68	18.4	28.3	Calm	NE 2	------	ENE	------
9	62.10	61.68	22.9	28.9	Calm	NE 4	E	E	------
10	62.34	61.34	22.9	29.2	NE 2	ENE 3	ESE	------	------
11	61.75	60.61	17.9	31.9	Calm	E 1	------	------	------
12	61.28	60.16	21.2	32.7	Calm	ESE 3	ESE	ESE	------
13	61.20	59.97	16.9	31.1	Calm	NNW 1	------	------	------
14	62.28	60.68	19.4	29.9	Calm	NW 1	------	------	------
15	61.83	59.66	19.4	29.9	Calm	NNW 3	WNW	------	------
16	61.05	59.43	20.9	30.9	Calm	W 1	------	------	------
17	60.62	59.52	20.3	29.9	Calm	NW 1	------	------	------
18	60.06	58.71	21.9	29.4	Calm	Calm	------	------	------
19	59.12	56.74	18.9	31.4	Calm	NNE 2	------	------	------
20	59.34	58.03	24	29.9	NNE 1	NNE 3	E	------	------
21	59.59	58.33	18.8	30.2	Calm	N 2	------	------	------
22	60.62	58.56	16.9	30.4	Calm	Calm	------	------	------
23	61.31	60.05	17	30.3	Calm	NW 1	------	E	------
24	61.45	60	17.2	30.9	Calm	NE 3	------	------	------
25	61.90	60.67	23.4	29.9	NNE 1	Calm	ESE	E	------
26	61.87	61.41	22.4	28.4	Calm	ENE 2	------	------	1.9
27	60.10	59.03	23.5	29.5	NE 1	Calm	ESE	------	------
28	61.91	61.59	21.4	25.9	Calm	NNE 2	W	N	------
29	61.76	60.11	19.9	31.7	Calm	NE 1	------	------	------
30	61.77	60.37	20.1	32	Calm	Calm	------	------	------
31	62.04	60.98	23.9	30.7	NNE 1	NNE 3	ESE	E	------
Mean	60.92	59.62	20.7	29.9	0.3	2	------	------	------
Total	------	------	------	------	------	------	------	------	7.5

SANTO DOMINGO.

[$\phi = 20° 28'$ N; $\lambda = 121° 59'$ E; barometer above sea, 18.7 meters; gravity correction not applied. —1.49 mm.]

JANUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	61.89	59.82	24.1	27	ESE 2	SSE 3	SE	SSE	4.6
2	62.15	62.66	22.1	21.5	NNE 4	NNE 5	NNE	NE	24.6
3	65.67	64.61	19.6	21.4	NE 5	NE 4	NE	NE	3.5
4	65.51	64.51	19.8	22.7	ENE 3	ENE 4	ENE	ENE	------
5	63.68	62.07	21.4	25.6	E 2	E 3	E	ESE	------
6	62.51	61.95	22.5	26	E 1	ESE 1	------	ESE	23.4
7	63.96	63.38	21.1	21.3	NNE 5	NNE 5	NNE	NNE	1.2
8	63.77	62.05	20.9	22.8	NE 4	E 3	NEbyE	ENE	.7
9	59.44	59.33	23	21.6	SE 4	N 5	SE	N	11
10	62.77	62.79	19.6	20.7	NE 4	NE 3	NNE	NE	3.5
11	64.73	64.04	20.6	22	NE 2	ENE 2	NE	ENE	1
12	64.79	63.46	21.6	24	ENE 2	E 2	ENE	E	11.7
13	63.97	62.90	20.7	22.1	E 1	NNE 2	E	NNE	26.2
14	63.74	62.26	22	23.6	NE 1	N 2	NE	N	.3
15	63.41	62.48	22.1	23.6	NNE 2	NNE 2	NNE	NNE	.8
16	63.65	63.18	21.5	24	N 1	N 3	N	N	3.3
17	64.29	64.12	21	23	NNE 1	NE 3	NNE	NE	3
18	63.94	62.96	20.7	24.6	NNE 1	W 1	NNE	NW	------
19	64.57	64.91	20.8	21	Calm	NE 2	NNE	NE	27
20	65.11	64.59	19.8	21.8	NE 2	ENE 2	ENE	ENE	12.9
21	64.31	62.93	20.6	24	Calm	E 2	ENE	E	1.7
22	63.34	62.30	21.2	25.4	ESE 1	SE 3	SEbyE	SSE	2.3
23	62.26	62.10	22.4	26.5	E 3	E 3	E	E	------
24	63.18	62.07	18.6	27	Calm	E 1	------	E	------
25	63.22	62.45	22	26	N 1	E 1	NE	NE	------
26	63.66	63.10	22.5	24	N 2	NNE 2	N	NNE	14
27	65.92	64.41	21.3	23	NNE 4	NNE 4	NNE	NNE	7
28	66.43	64.98	21	22	NNE 4	NNE 4	NNE	NE	1.5
29	66.92	65.18	20.9	20	NE 5	NE 5	NE	NE	19.8
30	67.28	66.34	19	19.5	NE 5	NE 5	NE	NE	16.8
31	66.57	64.53	19.3	22.4	NE 4	NE 4	NE	ENE	11.6
Mean	64.09	63.18	21.1	23.2	2.5	2.9	------	------	------
Total	------	------	------	------	------	------	------	------	233.4

FEBRUARY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	64.52	62.77	20.7	23.4	N 4	N 4	N	NNE	1.6
2	63.71	63.28	21.5	23.5	NNW 2	NNW 2	NNW	NNW	17.2
3	64.56	64.14	19.6	19.6	N 5	N 5	N	N	18.3
4	66.45	65.79	18	20.8	NNE 5	NE 4	NNE	NE	3.3
5	66.94	65.62	19.9	22.2	Calm	E 3	ENE	E	.5
6	65.78	64.97	20.6	23	E 1	E 2	ENE	NE	5.6
7	66.32	64.89	20.1	20.4	NNE 5	NNE 4	NNE	NEbyE	65.9
8	64.74	62.93	19.4	23.7	N 3	NNW 3	N	NNW	------
9	63.82	62.48	19.6	24.3	Calm	NNE 2	------	------	------
10	63.68	61.96	22	23	NNE 2	N 2	NNE	N	1.6
11	62.80	62.11	21.9	24.8	NE 2	NNE 3	NE	NNE	1
12	63.33	61.86	21.8	24.9	NE 1	E 2	NE	E	------
13	61.16	59.42	23	26.7	ESE 3	SSE 4	SE	SSE	------
14	59.84	58.98	21.4	26.2	WSW 1	W 3	W	W	------
15	60.64	60.09	22.1	25.6	NE 2	NE 3	NE	NE	------
16	60.86	61.10	22.2	25.8	E 4	ENE 4	ESE	ENE	------
17	61.17	60.58	22.8	25.6	E 2	N 3	------	NNE	------
18	63.06	62.11	22.8	24.2	NE 4	NE 3	NE	NE	5.6
19	65.05	65.62	21	20	NNE 4	NNE 5	NNE	NEbyN	12.7
20	67.24	65.46	19.6	22	NE 5	NE 3	NE	ENE	.5
21	64.71	62.26	21.8	26.1	E 3	E 4	E	EbyS	------
22	61.07	61.19	24.4	23.6	S 2	NW 3	SbyW	WNW	------
23	62.65	61.27	22	24.9	NNE 2	ENE 2	NNE	ENE	------
24	61.24	59.55	24	27.2	ESE 3	ESE 3	ESE	ESE	.1
25	60.94	59.76	24.3	28.6	SE 4	SE 4	SE	SE	------
26	60.69	60.10	24.4	28.6	ESE 4	SEbyE 4	ESE	ESE	------
27	60.34	59.07	24.5	28	SE 4	SE 5	SE	SEbyS	------
28	59.73	58.62	24.5	29.8	S 2	S 2	S	S	------
29	59.89	59.42	24.3	29.4	SE 1	SE 2	SE	SE	------
	------	------	------	------	------	------	------	------	------
	------	------	------	------	------	------	------	------	------
	------	------	------	------	------	------	------	------	------
Mean	63	61.98	21.9	24.7	2.8	3.2	------	------	------
Total	------	------	------	------	------	------	------	------	133.9

MARCH.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	61.71	60.40	21.9	28.6	Calm	ESE 3	ESE	SE	------
2	62.11	61.41	24.6	29	SE 2	SE 3	SE	SEbyS	------
3	62.94	62.08	24.2	28.8	SE 1	SE 2	SE	SE	------
4	62.15	61.42	24.6	29	SE 2	SE 3	SE	SE	------
5	61.09	61.01	24	28.8	ESE 3	SE 2	SE	SE	------
6	60.52	59.43	24.6	29.4	SE 2	SE 2	SE	SE	------
7	61.56	61.22	24.7	29.5	ESE 2	SE 3	SE	SE	------
8	62.30	60.93	23.8	28.6	ESE 1	SE 3	SE	SE	------
9	62.79	61.66	21.5	29.5	Calm	ESE 2	SE	SE	------
10	61.54	59.98	24.5	29.8	ESE 3	SSE 3	SE	SSE	------
11	59.17	57.59	22	28.1	Calm	SW 3	S	SW	------
12	57.52	57.10	24	27.5	WSW 3	W 3	WSW	W	------
13	59.29	58.19	22	22.87	NNW 1	N 3	N	NNE	------
14	61.04	60.37	22.4	24	NNE 3	ENE 2	NNE	NE	------
15	60.12	59.07	24	28.7	SE 3	SE 3	SE	SE	0.3
16	60.41	59.53	23.6	25.8	N 3	NNE 3	N	NNE	------
17	62.27	62.14	22.4	21.6	N 4	N 4	N	N	3.8
18	65.71	64.91	19	20	NNE 5	NNE 5	NNEbyN	NNE	.2
19	65.52	63.88	19.6	22.6	ENE 2	ENE 3	ENE	ENE	------
20	62.82	61.33	22.9	27.4	E 3	EbyS 4	E	ESE	------
21	61.97	61.32	24	28.4	SE 4	WSW 4	SSE	WSW	------
22	63.80	62.63	23.8	28	ENE 2	E 3	ENE	E	------
23	63.22	60.31	23.6	28.6	E 2	E 3	ESE	ESE	------
24	61.54	60.78	24.5	28.3	SSE 2	W 2	SSE	W	------
25	63.47	62.87	21	26.7	N 1	N 3	N	NNE	------
26	62.72	60.95	24	27.6	ESE 3	ESE 3	ESE	SEbyS	------
27	61.17	60.42	25	30.1	S 3	S 3	S	S	------
28	60.70	60.06	24.7	30.3	SE 3	SE 3	SE	SEbyS	------
29	60.70	60.80	26.4	31	SSE 3	S 3	SSE	S	------
30	62.05	61.23	25	30.8	SE 2	E 3	ESE	SE	35.6
31	63.35	62.89	22.7	22.7	N 4	NNE 4	N	NNE	16
Mean	61.85	60.90	23.4	27.5	2.3	3	------	------	------
Total	------	------	------	------	------	------	------	------	55.9

APRIL.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°C.	°C.					*mm.*
1	63.05	61.57	22	24.5	NE 3	NE 2	NE	NE	------
2	61.44	60.48	24.4	28.7	ESE 2	SSE 3	ESE	SSE	------
3	61.37	61.19	24.7	29.7	SE 2	SE 2	SE	SE	5.1
4	61.77	60.48	24.6	27	E 1	ENE 3	E	ENE	2
5	59.87	59.85	25.5	29.3	SSE 2	ESE 2	SSE	SE	25.6
6	61.49	61.12	23.6	26.5	NNE 4	NNE 4	NbyE	NE	1.6
7	61.99	61.20	23	28.2	ENE 2	ESE 3	NE	ESE	------
8	61.39	60.78	24.2	28.4	ESE 2	ESE 3	ESE	ESE	------
9	60.52	60.26	24.4	29.4	ESE 3	ESE 3	ESE	ESE	------
10	62.25	61.60	23	27.7	N 1	N 3	N	N	------
11	63.82	63.41	23	23.7	N 4	NNE 5	N	NNE	19.8
12	65.65	65.61	22.2	22.6	NNE 6	NE 5	NNE	NE	.7
13	65.02	64.20	23.4	25.7	ENE 4	E 4	ENE	E	------
14	63.84	62.19	25	28.6	SE 4	SEbyS 4	SEbyS	SSE	------
15	61.67	60.90	25.6	30	SE 3	SEbyS 4	SE	SSE	------
16	60.97	61.30	25.6	26.4	SSE 3	N 3	SSE	N	23.6
17	61.64	61.26	24.8	29.1	SE 2	SSE 3	SE	SSE	------
18	60.88	60.76	25	29.6	ESE 2	ESE 3	ESE	ESE	------
19	60.40	60.23	26.1	30.2	SE 3	SSE 3	SE	SSE	------
20	60.36	60.10	26	30.2	SE 3	SSE 4	SEbyS	SSE	------
21	60.43	60.06	26	29.7	SE 5	SE 4	SE	SE	.8
22	60.36	60.15	26.1	30	SE 5	SE 4	&E	SE	------
23	59.40	59.05	26.4	30.7	SEbyS 4	SSE 4	SSE	SSE	------
24	59.35	58.45	26.5	31	SSE 4	SSE 4	SSE	SSE	------
25	59.31	58.51	26.4	30.6	SSE 4	SSE 4	SSE	SSE	------
26	59.90	59.73	25.7	31.4	SE 1	ESE 3	SE	ESE	1.3
27	61.08	60.74	25.6	31	NE 3	E 3	NE	EbyS	------
28	60.47	59.25	26.2	30.5	E 2	ESE 3	E	ESE	------
29	58.72	57.86	26.6	30.6	SSE 3	WSW 3	SSE	SW	------
30	57.24	56.39	27	31.9	SSE 3	S 4	SSE	S	------
	------	------	------	------	------	------	------	------	------
	------	------	------	------	------	------	------	------	------
	------	------	------	------	------	------	------	------	------
Mean	61.19	60.62	25	28.8	3	3.4	------	------	------
Total	------	------	------	------	------	------	------	------	80.5

SANTO DOMINGO.

[$\phi = 20° 28'$ N; $\lambda = 121° 59'$ E; barometer above sea, 18.7 meters; gravity correction not applied. —1.49 mm.]

MAY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	56.55	56.85	27	30.4	SSE	4	WSW	4	SSE	SW	
2	58.42	58.85	26.7	31	E	2	SE	3	E	SE	0.3
3	60.06	59.24	26.8	31.1	SSE	5	SSE	5	SSE	SSE	
4	60	59.33	24.4	30.2	Calm		W	3	SSW	W	.2
5	59.46	58.23	25.4	29.5	NE	2	NE	2	NEbyN	NE	
6	57.47	57.56	26.4	25.4	SE	2	WSW	1	SE	WSW	3
7	58.38	57.95	24.8	30.1	WSW	1	WSW	2	WSW	WSW	
8	58.28	57.90	24.5	29	Calm		WNW	1	WSW		
9	58.63	58.65	25.9	27.8	NNE	2	NE	3	NE	NE	32
10	60.88	59.78	24	29.6	Calm		ESE	2	E	ESE	1.3
11	60	58.73	26.5	30.7	SE	1	SSE	3	SE	SSE	
12	58.42	57.76	26.2	30.2	Calm		WSW	2	S	WSW	2
13	57.97	57.34	26	28.7	N	2	NNE	3	NNW	NNE	
14	58	57.80	26	30	E	1	SSE	1	ESE	SSE	12.1
15	57.26	56.68	26.6	30.6	SSE	2	SW	4	SSE	SSW	
16	56.55	56.20	27.5	29	SW	4	SW	5	SW	SW	
17	56.95	56.90	27.8	30.6	SW	4	SW	4	SW	SW	
18	58.15	58.43	26.4	30.8	SW	1	SW	3	SW	SW	
19	59.32	58.15	24.9	30.6	Calm		SSE	1	SSE	SSE	
20	57.85	56.93	26.6	31.6	SE	1	SE	3	SE	SE	
21	57.27	57.03	25	30.3	SSE	1	WSW	4	SSE	WSW	
22	57.90	57.34	26.6	30.7	W	3	W	4	W	W	
23	58.11	57.43	26.8	29.7	NNW	1	N	2	NNW	N	
24	58.07	57.21	26	30.4	NW	1	NNW	2	NW	NNW	
25	57.16	55.41	26.4	31.2	W	1	WNW	3	WSW	NW	
26	56.66	55.90	27.2	31.1	W	3	W	4	W	W	
27	56.22	56.63	27.4	31	W	4	NE	4	W	NNE	1.6
28	58.46	58.13	25.6	30.6	NE	4	E	3	NE	EbyN	
29	58.48	57.53	28.4	32.4	ESE	3	S	3	SEbyE	S	
30	57.65	57.08	28	31.2	SSW	2	WSW	3	SSW	WSW	3.8
31	56.60	57.25	27.6	24.6	WSW	3	WSW	1	WSW	WSW	52.4
Mean	58.10	57.62	26.3	30		1.9		2.8			
Total											108.7

JUNE.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	57.67	57.92	26	25.3	Calm		WSW	2	SW	WSW	16.6
2	59.38	59.05	25.8	29	Calm		S	2		S	5.8
3	58.99	58.18	26.4	31.6	Calm		S	2	S	S	
4	57.24	56.44	26.8	30.4	S	1	SW	3	S	WSW	
5	56.46	55.78	27.8	31	WSW	3	WSW	4	WSW	WSW	
6	57.10	56.38	28	31.1	W	2	W	2	W	W	
7	56.90	55.58	27.6	31	SSW	2	SW	4	SW	SW	12.7
8	55.98	54.99	25.2	30.3	WNW	1	SW	4	WNW	SW	1.8
9	56.90	57.01	27.7	28	SW	3	SSW	3	SW	SSW	3.8
10	57.91	56.67	27.6	31.8	SSW	2	SSW	3	SSW	SSW	1.3
11	58.15	57.97	27.4	30	S	1	Variable	1	S	S	.2
12	58.21	56.90	26	31.6	Calm		NE	1	SSE	NE	12.5
13	57.67	56.28	26.4	31.8	Calm		ESE	3	E	E	
14	54.49	56.16	27	31.1	SSW	2	SW	2	SSW	SW	.8
15	55.27	55.68	27.1	26.4	SW	3	SW	4	SW	SW	15.8
16	54.30	54.70	27	27.6	SW	4	WSW	4	SW	SW	16.2
17	53.49	53.60	27.8	30.2	WSW	5	WSW	6	WSW	WSW	27.7
18	54.46	54.50	27.8	30.1	SW	5	SW	5	SW	SW	
19	54.06	53.04	28	30.6	SW	5	SW	5	SW	SW	
20	53.15	53.08	28	30.4	SW	5	SW	5	SW	SW	
21	52.78	54.30	28.6	25.1	SW	5	WSW	1	SW	WSW	73.9
22	56.77	55.60	26.2	30.9	SW	4	WSW	3	SW	WSW	
23	55.90	55.74	27.8	30.6	SW	1	SW	3	SW	SW	
24	55.85	55.38	27.9	31.1	SW	2	SW	4	SW	SWbyS	
25	55.34	55.44	28.2	31.1	S	1	SSW	4	S	SSW	
26	56.40	56.20	28	30.6	SW	4	SW	4	SWbyS	SWbyS	
27	55.94	55.39	28.1	30.8	SW	4	SW	4	SW	SW	
28	55.45	54.94	27.8	30.3	SSW	3	SW	4	SSW	SW	
29	56.17	55.40	28	31	SSW	2	SSW	3	SbyW	SSW	5.9
30	56.70	56.39	27.4	31	SSW	1	SW	3	SSW	SSW	
Mean	56.17	55.82	27.3	30.1		2.4		3.3			
Total											195

JULY.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	55.97	56.29	26.6	31.1	Calm		SSW	2	SSW	SSW	
2	55.20	55.93	27.8	31.3	S	2	SSW	3	S	SSW	
3	56.80	57.03	27.7	30.6	SSE	1	SSE	1	SbyE	S	0.5
4	58.06	57.75	28	31.8	SE	1	SE	2	SE	SE	
5	58.70	57.67	28.2	32.6	SE	3	SE	3	SE	SE	
6	57.29	57.02	28.2	32.2	SE	3	WSW	3	SSE	SbyW	
7	57.15	56.12	26.6	32.3	Calm		SSW	3	SSW	S	
8	56.60	56.43	26.4	32.7	Calm		SSE	2	S	SSE	
9	56.75	57.14	28	33.2	SE	2	SE	3	SEbyS	SE	5.9
10	57.53	57.24	27.8	32.1	ESE	2	ESE	2	ESE	ESE	2.3
11	58.08	57.40	28.3	32.6	ESE	2	ESE	3	EbyS	EbyS	
12	57.85	57.49	26.3	29.3	Calm		ESE	1	ESE	ESE	1.5
13	57.40	56.98	27.3	32.3	ESE	1	SE	3	ESE	SE	
14	57.78	56.98	28	32.6	SE	2	SE	3	SE	SEbyS	.4
15	57.15	57.05	28	31.8	SE	2	SE	2	SSE	SSE	.7
16	57.46	57.34	28	30.8	SE	2	WNW	1	SE	SEbyS	
17	57.26	56.87	28.1	33	ESE	2	ESE	3	ESE	ESE	
18	57.05	56.18	27.2	32.1	E	1	E	2	E	E	5.1
19	55.32	54.54	27.4	30.4	ENE	2	ENE	3	ENE	ENE	4.4
20	54.92	54.09	27	29.6	EbyN	2	ENE	2	ENE	ENE	4.8
21	53.02	52.34	27.2	28.4	EbyN	1	ENE	1	ENE	NEbyE	12.5
22	52.82	53.10	27.5	31	SSW	3	SSW	2	SSW	SSW	1.8
23	53.12	53.23	27.4	33	ESE	3	ESE	2	ESE	SEbyE	2.5
24	54.27	54.83	26.5	32.1	Calm		W	2		WNW	11.9
25	55.25	55.85	27.1	29.9	ESE	1	E	1	SE	ESE	6.9
26	56.42	56.82	27.4	31.5	SE	2	SE	3	SEbyS	SEbyS	9.8
27	57.14	56.80	27.8	31.7	ESE	3	ESE	3	ESE	ESE	
28	56.55	55.82	27.6	30.4	ENE	2	ENE	3	ENE	ENE	
29	55.75	55.54	28.2	30.1	ENE	3	ENE	2	EbyN	NE	23.9
30	54.29	53.85	26.6	30.5	ENE	1	ENE	1	ENE	NEbyE	42.2
31	51.44	49.85	26.4	24.2	NNW	1	W	3	NNW	W	80.3
Mean	56.17	55.86	27.4	31.2		1.6		2.3			
Total											217.4

AUGUST.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.		Wind, direction and force (0-12). 2 p. m.		Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	*°C.*	*°C.*							*mm.*
1	44.32	44.88	26.2	25.3	S	4	SSW	4	S	SSW	46.2
2	51.29	52.93	26	28.6	SSE	3	SSE	4	SSE	SSE	
3	56	55.80	27.67	30.3	SE	3	SE	2	SE	SE	
4	56.87	56.48	27.6	31	ESE	2	ESE	3	ESE	ESE	
5	56.72	56.57	25	30.3	Calm		ENE	1	E	ENE	
6	57.67	56.35	24.6	30.7	Calm		W	2		W	2
7	57.55	56.88	27.2	30.2	W	2	WSW	3	W	WSW	
8	56.75	56.36	26.6	30.1	SW	2	SW	3	SW	SW	
9	56.37	56.42	27.6	31.7	ESE	2	SE	3	ESE	SE	
10	57.07	56.14	26	32.2	Calm		SE	3	SE	SE	2.8
11	56.92	55.65	26.2	30.2	Calm		NNW	1		NNW	14.2
12	55.75	54.20	26.6	30.7	NE	1	NE	1	NEbyN	NE	7.1
13	54.20	53.45	25.4	32.2	Calm		ESE	1	E	ESE	1
14	54.12	54.07	23.2	30.6	Calm		WSW	1	SE	SW	.3
15	55.92	55.87	23.4	31.1	Calm		S	2	SSE	SSW	3
16	56.85	55.85	23.6	31	Calm		W	2		W	
17	56.10	54.65	27.2	28.4	N	1	WNW	3	NNW	NW	6.6
18	54.75	54.11	26.8	29.6	WSW	2	NW	2	WNW	NW	.5
19	55.06	54.50	26.7	28.9	WSW	2	SW	3	WSW	SW	
20	55.41	55.05	27.4	30.7	SW	3	SW	3	SW	WSW	
21	56.12	55.85	26	30.7	SW	1	SSW	1	SW	SSW	7.4
22	56.60	56	25.4	31.3	Calm		SE	2	SEbyS	SE	
23	55.27	54.99	26	32.1	SE	1	ESE	2	SE	ESE	
24	55.91	55.25	26.3	31.4	SE	1	NW	1	SE	NE	12.5
25	55.47	54.75	26.5	30	NNE	2	NE	2	NEbyE	NE	2.4
26	53.22	51.85	25.7	29	NE	2	NNW	2	NE	NbyW	.9
27	50.43	49.37	27	30.1	NNW	3	NW	4	NNW	NW	
28	47.30	46.17	27.4	29.6	WSW	5	WSW	6	WSW	WSW	.2
29	47.32	48.30	28	29.5	SW	6	SW	6	SW	SW	
30	51.33	51.50	27.4	29.1	SSW	3	SSW	4	SSW	SSW	21.6
31	51.72	50.63	27	27.6	SW	2	WNW	1	SW	W	23.9
Mean	54.40	53.90	26.2	30.1		1.7		2.5			
Total											152.6

SANTO DOMINGO.

[$\phi = 20°\ 28'$ N; $\lambda = 121°\ 59'$ E; barometer above sea, 18.7 meters; gravity correction not applied. —1.49 mm.]

SEPTEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	51.11	51.05	25.8	30	Calm	ENE 1	NE	ENE	6.6
2	52.75	52.16	25.9	30.1	Calm	NEbyE 2	E	ENE	9.7
3	53.50	53.11	25.9	29.6	ENE 1	NE 2	ENE	NE	1
4	53.61	53.26	27	29	E 2	E 2	E	E	6.8
5	54.45	55.08	27.1	31.1	SE 1	SSE 3	SE	SSE	1.8
6	57.55	57.18	26.3	32.1	Calm	NE 2	S	NE	-------
7	58.21	57.09	25.6	31.9	Calm	N 1	-------	N	-------
8	57.27	56.30	24.3	30.3	Calm	NNW 1	E	ENE	-------
9	56.38	56.04	26	32.1	ESE 1	ESE 2	ESE	ESE	-------
10	56.21	55.30	23.8	31.2	Calm	NNW 1	-------	NNE	-------
11	55.85	55.31	26	29.5	NNW 1	WNW 1	-------	NNE	14.5
12	55.52	54.83	25.4	30.3	Calm	W 2	WNW	WNW	-------
13	55.31	53.88	25.1	31.1	Calm	N 1	NNE	N	.7
14	53.30	51.58	26.6	30.6	N 3	N 4	N	N	5.3
15	49.40	47.15	28.4	28.5	N 5	N 6	N	N	55.6
16	38.44	39.46	26.2	26.2	WNW 8	W 6	NWbyW	W	69.8
17	50.73	52.21	26	29.4	SW 5	S 5	SW	S	-------
18	55.23	54.50	26.8	28.2	ESE 1	E 1	ESE	E	28.4
19	55.22	54.07	26.4	30.1	ENE 2	ENE 2	EbyN	EbyN	5.6
20	54.71	53.57	26.4	29.8	NE 1	NNE 2	NE	NNE	-------
21	54.26	54.20	26.8	26.6	NNW 2	W 6	NNW	W	7.2
22	55.93	56.27	26.7	29	W 2	W 3	W	W	28.4
23	60.02	59.46	25.8	27.7	NNE 3	NE 4	NNE	NE	3.3
24	60.77	60.05	25.4	28.3	NE 4	NE 4	NE	NE	-------
25	60.13	59.67	25.6	28.7	NE 4	NE 5	NE	NE	.7
26	59.45	58.66	26.2	27.6	NE 4	NE 5	NE	NEbyN	4.1
27	57.29	55.18	25.4	25.7	NNE 5	NE 6	NEbyN	NE	90.2
28	50.60	43.63	24.9	26.4	NNE 7	E 6	NEbyN	EbyS	288.3
29	42.11	47.46	25.9	26.4	NW 8	WSW 5	NW	WSW	133.4
30	53.19	52.42	24.8	28	WSW 3	S 1	SW	SSW	15.9
31	-------	-------	-------	-------	-------	-------	-------	-------	-------
Mean	54.28	53.67	26	29.2	2.4	3.1	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	777.3

OCTOBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	55.41	54.92	24.8	27.6	WSW 3	SW 2	WSW	SSW	2.5
2	58.58	58.35	24.3	27.1	NNW 1	N 2	NbyW	N	30.5
3	59.24	58.82	24	24.5	NNE 3	NE 4	NNE	NNE	19.8
4	59.80	58.76	24.2	27	NNE 4	NE 4	NNE	NE	-------
5	60.48	59.61	24	27.8	NE 2	NNE 2	NE	NNE	6.6
6	59.82	59.41	24.6	24.9	NE 3	N 3	NE	N	86.6
7	61.26	59.91	25.4	26.5	NNE 4	NE 5	NNE	NE	12
8	59.59	58.63	25.6	25.5	NNE 5	NNE 4	NNE	NNE	9.1
9	56.33	54.79	25.4	26.1	NNE 4	NNE 4	NNE	NNE	58.9
10	48.96	52.27	25	26	ENE 6	ESE 4	EbyN	ESE	79.5
11	58.21	58.42	25.5	28.1	ENE 4	ENE 5	EbyN	ENE	8.9
12	59.87	59.10	25.2	26.5	ENE 4	NE 2	ENE	ENE	16.3
13	60.73	60.10	25.4	26.8	ENE 4	ENE 4	ENE	ENE	7.7
14	59.92	59.11	25.1	28.6	ENE 3	NE 4	ENE	NEbyE	-------
15	59.39	57.82	26	28.7	ENE 3	ENE 3	ENE	ENE	-------
16	60.74	59.56	25	27.8	ENE 4	NE 5	ENE	NE	26.4
17	61.12	60.42	24	25.3	NE 5	NE 5	NE	NE	2.5
18	61.28	60.77	24.3	26.6	NE 5	NE 4	NE	NE	-------
19	62.61	61.61	24.4	26.8	ENE 3	NE 4	ENE	NE	-------
20	62.58	61.30	24.8	26.7	NE 3	NE 4	NE	NE	4.8
21	62.50	61.72	24.4	25.6	NE 4	NE 5	NE	ENE	2
22	62.16	61.22	25	27.1	NE 4	NE 4	NE	NE	-------
23	60.83	59.60	24.4	27.1	NE 1	NE 3	-------	NE	10.9
24	60.14	59.38	24.4	27.1	ENE 2	ENE 2	ENE	ENE	.4
25	60.27	59.72	25.2	27.6	NE 3	NE 3	NE	NEbyN	6.1
26	59.47	58.90	25	26.6	NE 4	N 5	NE	NE	24.9
27	58.14	57.47	25.4	26.6	ENE 6	E 5	EbyS	ESE	53.2
28	59.13	58.42	26	29.2	ESE 4	SE 4	SE	SEbyS	-------
29	58.62	58.70	26	29.6	SE 4	SEbyS 3	SE	SSE	-------
30	59.76	59.37	26.2	29.7	SEbyS 4	SSE 4	SSE	SSE	-------
31	60.83	59.06	26	29.5	SSE 2	WSW 1	SSE	-------	.2
Mean	59.61	58.94	25	27.1	3.6	3.6	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	469.8

NOVEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	61.10	60.77	25	25	NE 3	NE 3	NE	NE	57.6
2	61.37	59.99	24	25.7	NE 2	NNE 1	NE	NNE	4.3
3	60.39	59.02	25.4	28.8	E 2	SE 3	ESE	SE	-------
4	60.83	59.10	26	30.2	SE 2	ESE 2	SE	ESE	.4
5	61.17	60.32	24.5	29.6	NE 1	ENE 2	NE	ENE	15.5
6	61.81	61.42	25	28.5	NE 2	ENE 3	NE	ENE	-------
7	63.30	62.28	25.4	29	NE 5	NE 5	NE	NE	-------
8	64.10	62.76	25.6	27.2	NE 3	NE 3	NE	NE	-------
9	62.70	61.40	26	28.1	NE 2	NE 3	NEbyE	NE	27.4
10	62.16	61.74	25.5	23.5	NNE 4	NNE 4	NEbyN	NNE	25.9
11	63.10	62.15	25.2	25.6	NE 4	NE 5	NE	NE	14.7
12	63	61.62	25	27.5	ENE 3	NE 4	ENE	NE	1.8
13	61.11	59.72	25.3	28	E 1	ENE 1	E	NEbyE	18.1
14	60.86	60.48	23.6	25	NNE 5	NE 5	NNE	NE	21.5
15	64.05	62.97	22.8	24.5	NE 5	NE 5	NEbyN	NE	2.5
16	64.27	62.57	22.4	24.2	NE 1	NE 2	NE	NE	11
17	62.06	60.66	24.2	27.7	ENE 3	E 4	E	EbyS	6.4
18	61.24	59.95	25	28.3	E 4	E 4	E	E	10.8
19	60.27	60.33	24.5	24.5	NNE 4	NNE 6	NNE	NNE	61.9
20	62.30	62.35	22.4	22.6	NNE 6	NNE 6	NNE	NNE	5.4
21	61.90	61.35	22	24.9	NNE 5	NNE 5	NNE	NNE	1.2
22	61.33	60.52	22	25.8	NNE 5	NNE 5	NNE	NEbyN	12.9
23	61.51	60.83	22	23	NE 5	NE 5	NE	NE	3.8
24	62.55	61.61	21.1	22.1	NE 4	NE 4	NE	NE	1.5
25	61.04	60.38	23	24.1	NE 5	NEbyE 5	NE	NEbyE	5
26	59.43	58.19	23.2	25.1	ENE 5	ENE 4	ENE	ENE	8.6
27	60.49	60.33	25.1	29.5	EbyN 3	E 2	E	E	7.1
28	61.31	60.69	24	23.6	NE 4	NE 5	ENE	NE	43.1
29	60.57	60.73	23	23.5	NE 5	NE 5	NE	NE	11.9
30	60.74	60.73	23.2	23.4	ENE 4	ENE 4	EbyN	EbyN	41.3
31	-------	-------	-------	-------	-------	-------	-------	-------	-------
Mean	61.74	60.90	24	26	3.6	3.8	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	421.6

DECEMBER.

Day.	Pressure, 700 mm.+ 6 a. m.	Pressure, 700 mm.+ 2 p. m.	Temperature. 6 a. m.	Temperature. 2 p. m.	Wind, direction and force (0-12). 6 a. m.	Wind, direction and force (0-12). 2 p. m.	Lower clouds, direction. 6 a. m.	Lower clouds, direction. 2 p. m.	Rain, 24 hrs. beginning 6 a. m.
	mm.	*mm.*	°*C.*	°*C.*					*mm.*
1	61.79	60.27	23.8	25	E 4	ESE 4	ESE	SE	44.5
2	61.82	60.88	24.6	29	ESE 3	ESE 2	ESE	SE	47.3
3	61.89	60.86	24.1	24.9	NNE 5	NNE 6	NNE	NNE	23.3
4	61.30	60.57	23.2	23.8	NNE 6	NNE 5	NNE	NNE	11.2
5	59.83	58.89	22.3	24	NNE 6	NNE 6	NNE	NNE	4.5
6	60.45	60.97	22.5	23.7	N 6	N 6	N	N	-------
7	63.17	62.45	21.6	24.6	NNE 5	NNE 5	NNE	NNE	3.3
8	63.31	63.20	22.1	22.7	NE 4	NE 4	NE	NE	9.4
9	65.21	65.12	21.9	22	N 5	N 6	NNE	NNE	6.1
10	66.79	66.15	20.8	22.8	NE 5	NE 4	NE	NE	4.7
11	65.34	64.40	22	24.8	NE 5	NE 5	NEbyE	NE	15.2
12	65.05	63.96	22.6	24.7	ENE 4	ENE 4	ENE	ENE	12.8
13	64.15	63.35	24.1	27.6	ENE 4	E 4	ENE	E	.8
14	63.20	62.04	24.7	28.8	SE 4	SE 3	SE	SSE	-------
15	62.32	62.39	23.4	25.1	N 1	N 4	NE	NNE	3.7
16	63.92	62.28	21.5	22.1	NE 4	NE 5	NE	NE	11.4
17	61.99	61.13	23.5	28	ESE 3	SE 4	SE	SE	-------
18	61.75	59.98	23.8	27.7	SE 4	SE 4	SE	SE	-------
19	60.84	58.44	23.2	25.2	N 3	N 4	N	N	-------
20	60.39	60.05	23.2	25.3	N 5	N 5	N	NNE	-------
21	60.22	59.27	23.8	26.1	NE 2	NE 3	NEbyE	NEbyE	4.5
22	60.88	60.69	21	26.6	ENE 1	ENE 4	ENE	ENE	4.4
23	62.40	63.12	22	22.2	ENE 2	ENE 2	E	ENE	62.9
24	64.70	65.09	21	19.6	NE 5	NE 6	NNE	NE	38
25	66.31	65.45	20.4	23.2	NE 6	NE 6	NE	ENE	9.4
26	65.96	65.43	20.4	22.8	ENE 4	ENE 5	E	ENE	7.1
27	66.51	63.75	22.2	22.6	ENE 5	ENE 6	ENE	E	17
28	61.01	61.40	24.4	24.5	S 4	NW 4	S	NW	19
29	64.88	64.99	20.5	21	NE 5	NE 6	NE	NE	5.9
30	66.07	64.86	20	22	NE 4	ENE 3	ENE	ENE	2.8
31	65.49	64.37	21.6	23.3	ENE 3	NE 5	ENE	NE	26.7
Mean	63.19	62.45	22.5	24.4	4.1	4.5	-------	-------	-------
Total	-------	-------	-------	-------	-------	-------	-------	-------	395.9

ANNUAL SUMMARIES FOR FIRST AND SECOND CLASS STATIONS, 1912.

SURIGAO.[a]

Month.	Pressure (mean).	Temperature. Mean.	Maximum.	Date.	Minimum.	Date.	Relative humidity (mean).	Rainfall. Total.	Maximum in 24 hours.	Date.	Cloudiness (mean).	Wind. Number of winds from six daily observations. N, NNE.	NE, ENE.	E, ESE.	SE, SSE.	S, SSW.	SW, WSW.	W, WNW.	NW, NNW.	Calm.	Total monthly velocity.	Average daily velocity.[b]	Average hourly velocity.[b]
	mm.	°C.	°C.		°C.		*P.ct.*	*mm.*	*mm.*		*0–10*										*Km.*	*Km.*	*Km.*
January																							
February																							
March																							
April																							
May																							
June	758.22	28	55	16, 23	23	12	81.5	20.6	9.7	11	1.8	5	33	8	4	7	5	14	6	98			
July	57.59	27	33	23	22.7	10	83.6	144.6	57.9	3	6.9	2	15	11	1	11	37	10	5	94			
August	57.42	27.9	33.6	27	22.4	9	76.2	78.6	23.4	22	5.4	0	0	0	2	35	101	10	0	38	7,937.3	256	10.7
September	56.94	27.6	34.4	3	22.6	7	77.3	137.8	34.6	6	5.8	2	0	1	1	31	89	9	3	44	8,701.7	290.1	12.1
October	57.79							402	129.3	15	4.3	2	8	3	1	17	51	31	12	61		191.1	8
November	57.61	c26.5	c32	15, 18	c22.3	7	c85.2	675	228.6	5	5.2	6	42	18	8	17	16	11	21	41	7,432.8	247.8	10.3
December	59.43	25.9	32.5	5	20.5	19	84.5	272.4	36.8	23	5.1	7	52	28	5	11	20	3	17	43		228	9.5
Year																							

CEBU.

January	761.35	25.9	32.9	27	18.9	22	71.3	25.3	9.2	6	4.3	20	80	48	0	0	0	0	0	38		269.9	11.2
February	60.40	26.5	31.5	10, 23, 28	21	1, 2	73.5	33.8	21.6	14	4.1	2	70	58	2	0	0	0	0	42		286.4	11.9
March	60.64	27	32.6	28	21.4	16	70.4	14.4	6.9	7	3.5	1	67	87	1	0	0	0	0	30	9,586.5	309.2	12.9
April	60.08	28.1	33.2	26	23	2	70.7	25.1	20.6	27	3.2	1	63	74	0	1	0	0	0	41	8,855.5	295.2	12.3
May	58.58	28.9	34.8	27	23.5	10	70.4	32.5	29.2	27	3.6	0	18	43	5	18	1	0	0	101		173.3	7.2
June	58.04	29	34.9	9	23.1	10	74.5	163.6	31.7	10	4.8	1	2	16	3	27	18	5	0	108	4,394.1	146.5	6.1
July	57.49	27.4	34	13	23	8, 29	78.2	224.9	47	26	6.7	1	2	6	10	17	30	4	2	114		126.8	5.3
August	57.40	27.3	32.9	2	22.9	8	77	228.8	60.5	8	6.5	0	1	0	0	21	60	8	1	95	5,439.2	175.5	7.3
September	56.91	27.5	34	5	22.9	7	75.8	102.4	28.3	6	6.3	0	0	0	0	11	76	20	0	73	5,659.8	188.7	7.9
October	57.69	26.9	34.2	3	22	3	80.6	588.3?	d299.7	15	5.8	5	7	14	12	11	24	8	5	100	6,005.3	193.7	8.1
November	c57.50	e27.1	e32.6	20	e23	6, 25, 26	e76.8	c366.5	143.2	24	5.6	f37	28	18	6	9	11	8	5	31		321.4	13.4
December	59.58	26.7	31.2	28	22	1	76.4	106.9	19.3	12	5	62	78	0	0	8	6	5	7	20		328.6	13.7
Year	758.80	27.4	34.9		18.9		74.6	1,912.5	299.7		5	130	416	364	39	123	226	58	20	793		234.6	9.8

ILOILO.

January	761.39	25.5	31.2	1	19.8	22	72.9	8	2.8	12	3.7	40	125	1	0	0	0	0	20	0		375.9	15.7
February	60.41	26.4	33.5	17	21	1, 2	71.3	11.3	3.6	19	3.5	65	90	2	0	0	0	0	17	0		415.4	17.3
March	60.41	27.3	34.9	13	20.9	5	64.6	8.4	8.1	5	3	53	87	7	0	0	2	0	34	3		409.6	17.1
April	59.88	28.5	35.1	28, 30	23.1	13	64.1	4.6	4.6	11	2.3	66	92	15	1	0	0	0	4	2		407.5	17
May	58.51	28.8	35.9	18	22.2	6	69.2	12.2	8.1	21	4.2	28	33	13	4	5	50	0	11	42		255.7	10.7
June	57.98	28.5	35.2	3	22.7	4	76.3	118.5	27.2	4	6	5	15	9	2	9	99	11	6	24		268.8	11.2
July	57.46	26.6	33	11	22.6	28	82.1	298.2	33.7	28	8.2	22	21	9	6	22	82	6	7	11	7,690.6	248.1	10.3
August	57.42	26.7	30.5	8	21.5	2	81.7	535.7	131.1	13	8.3	2	3	0	0	18	142	6	6	9	11,298	364.5	15.2
September	56.94	26.9	31.5	6	21.4	7	82.4	369	45.2	6	8.1	0	2	3	2	4	146	3	3	17	11,200.2	373.3	15.6
October	57.90	26.5	32.8	21, 31	22.8	16	83.9	559.5	182.9	16	7.4	24	28	5	3	8	75	6	13	24		284.5	11.9
November	57.61	g26.3	g32.2	21	g20.5	26	g82.2	410.4	105.4	1	5.9	61	68	9	4	2	20	1	8	7	10,496.4	349.9	14.6
December	59.32	26.1	31	3, 6	20.5	19	79	37.9	8.3	9	5.6	84	77	4	2	1	9	1	0	8	12,922.6	416.9	17.4
Year	758.77	27	35.9		19.8		75.8	2,373.7	182.9		5.5	450	641	77	24	69	625	34	129	147		347.5	14.5

ORMOC.

January	761.63	24.6	32.5	19	17.2	22	76.9	67.5	45.2	12	5.4	54	60	16	3	14	15	11	9	4		152.3	6.3
February	60.71	25.5	32.2	14	17.4	8	76.5	90.6	26.3	14	5.3	38	47	21	13	9	13	10	11	12	4,553.8	157	6.5
March	60.88	26	33.8	30	17.5	19	69	8	3.6	21	4	36	71	26	16	11	16	5	3	2		172.4	7.2
April	60.39	26.8	34.5	21	19.2	12	72.3	34.5	7.4	9	4	28	52	30	11	22	21	5	5	6	4,993.7	166.5	6.9
May	58.87	27.2	34.6	3	19.3	12	75.1	4.9	2.8	31	3.8	34	46	14	13	50	19	1	7	2		186.7	7.8
June	58.38	27.4	32.9	2	20.8	24	78.2	207.4	72.6	16	5	h32	26	17	25	46	7	7	16	3		155.3	6.5
July	57.85	26.3	32.3	12	20.9	11	84.6	380.9	85.1	18	8.4	46	23	15	32	23	19	6	14	8		147.1	6.1
August	57.72	27	31.7	29	22	8	81.7	343.2	96.5	4	8.8	21	20	15	30	66	14	6	3	11	6,763.8	218.2	9.1
September	57.13	27.3	32.3	23	22	7, 10, 11	80.8	222.1	92	7	7.8	10	15	11	41	53	24	10	6	10	7,458.2	248.6	10.4
October	58.09	26.4	32.6	27	20.5	29	85.6	483.5	125	15	7.3	43	16	17	34	23	14	7	20	12	5,993.9	193.4	8.1
November	57.76	26.3	32.9	26	20.3	21	83.3	i369.4			6.3	42	21	12	23	13	13	12	41	3		154	6.4
December	59.71	26.2	32.3	26	19.3	18	78.9	65.3	13.2	13	6.2	42	44	11	20	14	8	16	29	2		152.8	6.4
Year	759.09	26.4	34.6		17.2		78.6	2,277.3	125 ?		6	426	441	205	261	344	183	96	164	75		175.4	7.3

[a] This station was reduced to third class from September 1, 1911 to May 31, 1912.

[b] Owing to some unavoidable defects in the recording instrument, the velocity of the wind had to be omitted occasionally for a few days in several months and in several of the stations included in these summaries.

[c] 25 days of observation.

[d] Approximate estimate made by the observer as the rain gauge was blown down by a NW gale at about 7 p. m. of the 15th.

[e] 21 days of observation.

[f] No observation was made of wind direction on November 12, 2 a. m., 6 p. m. and 10 p. m.; and on the days 13th to 16th.

[g] 29 days of observation.

[h] No observation was made of wind direction on June 3, 2 a. m.

[i] The rainfall from 1 to 6 a. m. of the 25th could not be included in this total.

CAPIZ.

Month.	Pressure (mean).	Temperature. Mean.	Maximum	Date.	Minimum.	Date.	Relative humidity (mean).	Rainfall. Total.	Maximum in 24 hours.	Date.	Cloudiness (mean).	Wind. Number of winds from six daily observations. N, NNE.	NE, ENE.	E, ESE.	SE, SSE.	S, SSW.	SW, WSW.	W, WNW.	NW, NNW.	Calm.	Total monthly velocity.	Average daily velocity.	Average hourly velocity.
	mm.	*°C.*	*°C.*		*°C.*		*P.ct.*	*mm.*	*mm.*		*0-10*										*Km.*	*Km.*	*Km.*
January	762.19	25.2	31.8	10	18.3	22	83	17.3	5.8	6	5.5	34	89	17	6	1	2	0	1	36	4,670.4	150.7	6.3
February	61.25	26.2	32.9	16	21	2	80.9	56.1	23.8	23	5.7	36	102	6	1	0	0	1	2	26	5,212.9	179.8	7.5
March	61.14	26.9	33.8	28	21.7	11	76.5	17.2	9.2	7	4.8	4	117	24	4	1	1	0	0	35	5,793.9	186.9	7.8
April	60.52	27.7	35.3	23	22.3	1	78.1	8.4	7.9	11	3.7	10	93	12	1	0	0	0	2	62	5,322.8	177.4	7.4
May	58.57	28.7	36.4	19,20	21.1	6	77.4	34.6	22.1	29	4.5	7	58	7	4	6	1	0	4	99		130.6	5.4
June	57.89	28.2	36	1,4	23	25	83	159.5	37.8	17	6.3	15	28	6	14	26	12	2	6	71			
July	57.36	26.4	34.2	25	20.9	30	88.2	401.9	74.5	9	8.6	17	6	3	13	26	16	2	11	92			
August	57.21	26.6	34.5	25	22	6,11	84.7	225.3	70.6	21	8.1	5	0	0	13	48	14	5	14	87		127.3	5.3
September	56.64	26.6	34	3	22.5	7,8	86.4	302.4	115.4	7	7.9	7	1	1	4	16	26	12	11	102		115.9	4.8
October	57.85	26.5	34.3	27	22.9	4	87.7	489.2	191.4	15	6.9	28	8	1	4	23	8	5	23	86			
November	57.87	26.4	31.7	26	20.1	26	86.1	424.5	95.3	25	6.2	61	31	8	9	5	2	0	14	50			
December	60.07	26.2	31.9	5,29,31	21.5	19	83.7	49.7	12.3	10	6.6	32	103	4	0	3	1	5	8	30			
Year	759.05	26.8	36.4		18.3		83	2,186.1	191.4		6.2	256	636	89	73	155	83	32	96	776			

CALBAYOG.

January	761.91	24.5	33.3	28	17.7	22	81.8	30	6.3	9,12	4	47	53	4	4	7	3	1	0	67	5,208.6	168	7
February	61.06	25.3	33.8	29	17.8	7	82.2	198.6	48.1	19	4.4	34	51	5	6	10	5	2	1	60	4,935.5	170.2	7.1
March	61.17	25.7	35.3	22	17.8	18	77.3	12.7	8.9	27	3.1	44	23	24	4	18	8	0	2	63	5,277.3	170.2	7.1
April	60.64	26.2	36.4	22	20	6	81.1	122	47	11	3.2	34	38	9	3	22	9	1	1	63	4,851.2	161.7	6.7
May	58.88	27.5	34.4	19	21.3	5	79.8	23.3	10.4	10	3.2	30	17	5	4	39	16	2	5	68	4,945.1	159.5	6.6
June	58.18	28.1	35.4	2	22.9	25	80.8	154.3	37.1	15	4.4	39	6	3	7	34	15	6	14	56	4,601.2	153.4	6.4
July	57.51	27	33.8	25	22.4	12	84.3	192.8	34	27	7.7	37	4	3	6	42	31	7	7	49	6,303.9	203.4	8.5
August	57.03	27.3	32.2	5,6,7	23.2	10	83.1	232.2	45.8	21	8.1	1	0	0	0	32	84	31	3	35	9,729	313.8	13.1
September	56.42	27.6	32.6	18	22.2	7	82.3	237.3	49	25	8	13	1	0	1	41	70	27	5	22	10,224.6	340.8	14.2
October	57.83	26.6	33.8	3	21.8	29	86.1	375.4	78.3	14	6.8	46	3	6	9	18	34	12	6	52	5,679.8	183.2	7.6
November	57.86	25.8	33.2	4	21.1	18	88.7	354.4	75.4	5	5.7	59	20	8	7	5	3	4	11	63	4,725.8	157.5	6.6
December	59.77	25.3	32.3	15	19.2	18	88.3	142.2	38.3	10	5.7	65	33	3	1	7	8	8	5	56	4,919.2	158.7	6.6
Year	759.02	26.4	36.4		17.7		83	2,075.2	78.3		5.4	449	249	70	52	275	286	101	60	654	71,401.2	195	8.1

LEGASPI.

January	762.23	26.1	32.7	19,24	17.2	23	77.5	77.8	33	11	3.9	36	125	13	0	0	0	0	0	12		286.1	11.9
February	61.54	26.1	33.7	18	19.6	22	80.3	252.6	86.3	20	5.1	37	108	16	0	0	0	0	0	13		305.9	12.7
March	61.53	27.3	33.9	13	20.1	19	77	76	19.5	19	2.9	15	139	16	0	0	0	0	0	16	8,116.3	261.8	10.9
April	60.98	28.1	34.9	9	18.9	8	75.4	105.6	27.9	28	2.3	33	128	7	0	0	0	0	0	12	8,078.9	269.3	11.2
May	58.88	29.2	37.2	27	20.6	6	74.2	32	22.6	27	2	5	134	1	0	0	0	0	0	46	5,345.3	172.4	7.2
June	57.92	29.1	37	10	22	23	78.4	100.6	52.6	12	2.7	4	41	5	3	17	30	3	1	76	4,537.2	151.2	6.3
July	57.29	27.3	36	12	21.6	31	82.9	255.9	52	27	6.7	10	28	3	1	14	33	13	3	81	5,011.3	161.7	6.7
August	56.60	26.6	33.7	23	21.1	10	85.2	315.7	48.8	10	7.5	0	0	0	0	14	106	34	0	32	7,942.9	256.2	10.7
September	56.08	27	34.7	25	21	12	84	160	29.8	13	6.8	7	7	1	4	16	115	7	1	22		280.1	11.7
October	57.96	26.9	34.5	27	20.6	3	85	332.6	96.1	15	6	28	23	10	3	7	26	3	0	86		178.5	7.4
November	58.37	26.7	33.5	15	19	14	84.7	332.4	100.9	28	5.2	51	61	18	0	0	0	0	0	50		248.5	10.4
December	60.25	25.7	32.4	2	19.1	18	84.4	574.5	138.8	25	5.7	59	71	4	0	0	3	6	1	42		222.8	9.3
Year	759.14	27.2	37.2		17.2		80.8	2,615.7	138.8		4.7	285	865	94	11	68	313	66	6	488		232.9	9.7

ATIMONAN.

January	762.57	25.6	30.5	1	19.4	23	78.9	89.3	47.8	30	5.8	32	99	25	0	0	3	6	11	10	8,520.8	274.9	11.5
February	61.75	25.7	31.4	26	18.7	9	80.1	54.6	13.7	1	6.2	71	65	16	0	0	6	2	10	4	14,223.1	490.5	20.4
March	61.51	26.5	33.7	12	19.6	10	78.5	25.7	9.6	19	4.8	30	92	12	0	0	20	6	12	14		384.5	16
April	60.97	27.7	33	30	21.9	15	75.6	10	3.8	11,28	4.4	46	95	12	3	0	10	4	4	6	12,238	407.9	17
May	58.60	28.6	36.5	14	22.5	5	76.4	57.2	29.5	9	5	26	34	13	0	5	77	4	13	14	8,010.1	258.4	10.8
June	57.58	28.7	35.9	6,7	22.6	7	77.4	146.6	61	7	6.1	4	6	7	1	19	107	11	9	16		234.1	9.8
July	57.03	26.6	33.7	1	22.6	24	86.4	376.9	68.1	18	8.5	18	12	7	6	4	80	5	15	39	7,157.1	230.9	9.6
August	56.21	26.7	33.4	18	22.4	7	82.2	212.4	40.6	10	8.3	3	4	0	2	10	135	7	4	21		235.2	9.8
September	55.81	26.7	32.9	21	22.3	11	82.4	356.6	100.1	7	8.4	16	3	0	0	14	101	9	13	24		302.3	12.6
October	58.15	26.6	34	2	22	12	85.1	547.9	102.1	13	8.1	41	26	10	9	5	46	2	19	28		424.6	17.7
November	58.93	26.4	30.5	2	22.4	30	85.4	390.8	54.4	16	7.2	68	73	13	6	4	7	0	6	3		572.1	23.8
December	60.79	25.6	31.5	2	20.8	27	84.5	261.5	61	31	7.4	36	110	4	2	0	19	1	6	8		601.7	25.1
Year	759.16	26.8	36.5		18.7		81.1	2,529.5	102.1		6.7	391	619	119	29	61	611	57	122	187		368.1	15.3

PARACALE.

Month.	Pressure (mean).	Temperature. Mean.	Maximum.	Date.	Minimum.	Date.	Relative humidity (mean).	Rainfall. Total.	Maximum in 24 hours.	Date.	Cloudiness (mean).	Wind. Number of winds from six daily observations. N, NNE.	NE, ENE.	E, ESE.	SE, SSE.	S, SSW.	SW, WSW.	W, WNW.	NW, NNW.	Calm.	Total monthly velocity.	Average daily velocity.	Average hourly velocity.
	mm.	°*C.*	°*C.*		°*C.*		*P. ct.*	*mm.*	*mm.*		*0–10*										*Km.*	*Km.*	*Km.*
January	762.82	24.9	30.8	9	18.8	23	83.2	225.7	52.9	4	6.1	3	78	44	1	0	2	0	0	58	7,781.4	251	10.5
February	62.01	25.4	30.6	14,16	19.4	9	82.9	144.5	35.6	21	6.3	12	87	26	2	0	1	0	0	46	7,994.7	275.7	11.5
March	61.82	26.3	32.6	31	19.6	11	81.6	105.5	28.6	19	4.3	5	90	40	0	0	1	0	0	50	7,541.3	243.3	10.1
April	61.30	27.4	33.8	20	21.9	18	79.6	32.6	9.2	27	3.7	8	54	73	0	0	2	0	0	43	7,010.2	233.7	9.7
May	58.89	28.3	35.3	27	22.1	5	80.3	48	13.7	23	3.3	8	64	16	1	0	8	1	1	92	4,899.8	158.1	6.6
June	57.74	29	37	21	23	1	80.2	74.4	11.4	13	5.5	11	28	7	0	0	51	1	0	82	4,800.6	160	6.7
July	57.11	27.1	34.8	24	22.9	6, 15	86.3	409.4	70.4	17	8.1	0	29	10	0	2	55	2	1	87	4,899.5	158	6.6
August	56.22	27.1	34.8	17	23	10	84	221.1	42.1	23	7.8	0	4	0	0	3	119	15	4	41	6,226.1	200.8	8.4
September	55.73	27.4	34.3	5	22.5	12	82.8	251.5	64.8	24	8.5	8	8	2	0	1	120	6	1	34	7,811.2	260.4	10.8
October	58.28	26.8	32.7	1	22.8	4, 8	87.1	563.9	96.3	16	8.3	9	63	8	0	4	28	2	3	69	7,050	227.4	9.5
November	59.09	26.6	31.8	3	22.1	26	86.2	406	83.1	6	7.1	83	54	52	1	0	2	1	0	37	9,929.3	331	13.8
December	60.98	25.9	30.8	5	21.6	2	84	492	141.5	24	8.1	24	113	10	0	0	3	3	5	28	11,722.1	378.1	15.8
Year	759.33	26.8	37		18.8		83.2	2,974.6	141.5		6.4	116	672	288	5	10	392	31	15	667	87,666.2	239.8	10

DAGUPAN.

January	761.99	25.5	34.4	13	17.4	27	82.3	8.1	8.1	10	3.1	6	1	7	60	19	7	1	59	26	7,188.2	231.9	9.7
February	61.15	25.8	36	25	18.7	4	83.1	8.4	7.6	6	3.6	5	1	6	43	15	8	4	73	19	8,638.4	297.9	12.4
March	60.64	27.2	37.5	28	18.7	1	76.5	3.8	3.8	10	2.7	3	0	4	60	22	8	6	60	23	8,480.8	273.6	11.4
April	60.06	28.9	39.3	23	21.6	5	76.3	10.5	5.1	16, 27	3.4	6	0	1	53	28	7	3	63	19	-------	303.8	12.7
May	58.09	29.3	37.8	3	23	9	79.2	199.5	71.1	9	5.4	13	8	3	32	10	2	10	83	25	8,603.8	277.5	11.6
June	57.30	28.5	37.7	4, 11	23.2	2, 24	83.9	182	63.7	12	7.4	6	2	5	62	26	15	25	16	23	6,561.2	218.7	9.1
July	56.46	27.2	36.6	2, 6	21.8	8	87.5	549	198.2	31	7.8	5	4	16	102	18	3	6	7	25	7,211.7	232.6	9.7
August	56.06	26.8	34.4	21	23.1	1, 5	89.9	541.3	129	31	8.4	4	6	16	55	18	17	10	17	43	5,969.7	192.6	8
September	55.83	27.2	34.1	6	22.8	26	88.8	306	94.5	29	8.3	8	8	9	27	6	13	19	50	40	7,280.6	242.7	10.1
October	57.99	27	34.9	21	22.8	24, 30	84.7	232.1	79	11	7	5	4	9	48	6	9	8	39	58	5,959.5	192.2	8
November	58.48	26.8	35	2	20.5	24	78.6	21.6	10.2	9	5	16	4	7	63	33	7	5	27	18	6,179	206	8.6
December	60.33	25.7	34.5	2	17.7	8	76.9	7.9	4.1	3	3.6	13	3	10	52	24	4	5	52	23	6,486.4	209.2	8.7
Year	758.70	27.2	39.3		17.4		82.3	2,070.2	198.2		5.5	90	41	93	657	225	100	102	546	342	-------	239.9	10

BAGUIO.[a]

January	638.73	16.5	25	13	10.6	24	81.8	2.6	1.3	19	5.3	6	11	64	25	5	44	14	3	14	8,947.1	288.6	12
February	38.12	17.2	26.7	27	11.8	3	76.2	2.9	1.6	1	5.3	2	5	68	33	6	34	18	3	5	9,957.6	343.4	14.3
March	38.27	18.4	27.5	26	12.2	27	72.2	1	1	16	4.7	3	11	57	29	5	32	35	1	13	10,052.1	324.3	13.5
April	38.17	19.3	28.8	27	13.2	1	78.5	8	5.1	7	5.5	10	14	50	23	1	17	53	5	7	9,900.3	330	13.8
May	36.89	19.3	27.2	3, 5, 18	15.4	8	84.4	233.4	48	5	7.2	13	13	27	20	6	33	53	8	13	9,114	294	12.2
June	36.20	19	25.6	4	15.4	22	89.8	465.2	102.1	14	8.5	8	7	33	21	3	22	71	9	6	8,974.8	299.2	12.5
July	35.09	18.6	25.8	8, 14	13	31	89.2	583.8	224.9	31	8.9	3	8	58	42	10	26	30	3	6	11,398.9	367.7	15.3
August	34.26	17.8	24.8	5	14.9	11	94.9	1,297.2	307.5	30	9.4	5	7	16	7	2	41	73	12	23	12,197.7	393.5	16.4
September	34.04	17.6	25.3	6	14.8	30	92.8	749.7	135.3	28	9.3	10	4	21	20	3	19	69	19	15	11,655.6	388.5	16.2
October	36.03	18	25.1	22	14.7	25	90.3	441.9	77.9	27	8.3	5	7	51	23	5	24	42	9	20	-------	367.4	15.3
November	36.58	18	26.4	27	13.3	25	82.4	61.5	28	1	6.7	1	6	89	24	3	13	18	0	26	12,575.5	419.2	17.5
December	37.71	17.4	25.7	13	10.8	8	74.9	6.8	5.2	26	4.8	2	22	61	37	4	24	16	3	17	-------	376.8	15.7
Year	636.67	18.1	28.8		10.6		84	3,854	307.5		7	68	115	595	304	53	329	492	75	165	-------	349.4	14.6

APARRI.

January	763.50	22.9	30	1	18	30	84.3	185	50.2	29	4.9	6	81	77	17	2	0	0	3	0	-------	330.9	13.8
February	62.43	23.6	32	25	18.6	5, 7	81.4	56.1	15.5	1	4.7	35	37	71	7	22	1	1	0	0	-------	310.9	13
March	61.44	25.4	33.5	27	18.6	3	77.4	15.6	14.3	14	1.6	16	58	49	12	42	6	0	0	3	8,539.9	275.5	11.5
April	60.92	26.5	35	24	19.8	2	77.3	27.6	23.6	12	2	13	63	46	27	17	0	0	4	10	9,948.6	331.6	13.8
May	58.41	28	36	29	22.5	10, 31	75.6	46.6	19.3	30	4.6	34	68	5	15	31	5	1	6	21	8,892.4	286.9	12
June	56.75	28.3	35.2	21	22.6	30	80.1	164.1	52.8	30	6.2	16	31	12	11	68	25	15	2	0	9,285.1	309.5	12.9
July	56.33	27.8	34.7	14	22.6	1, 12	81.1	171.9	54.4	31	5.6	11	28	25	14	65	20	15	8	0	-------	290.8	12.1
August	55.16	27	33.4	18, 23	22.9	11	84.7	204.7	60.1	1	6.9	80	36	5	7	42	39	12	4	11	9,016.8	290.9	12.1
September	54.74	26.9	33.5	17	22.4	30	84.6	502.2	151.7	27	6.9	27	31	16	5	30	28	17	17	9	11,691.3	389.7	16.7
October	58.91	26	32.1	28	22.1	24	85.4	289.9	63.6	26	6.5	14	71	52	8	15	5	3	4	14	-------	390	16.2
November	60.54	25.2	32.4	2	20.5	23, 30	85.3	364.8	107.9	19	5.4	3	68	56	8	11	3	2	0	29	10,794.7	359.8	15
December	62.42	23.9	30	2, 14	17.8	13	82.8	310.2	134.1	26	6.4	14	72	55	22	6	1	1	0	15	11,724.7	378.2	15.8
Year	759.30	26	36		17.8		81.7	2,338.7	151.7		5.1	219	644	469	153	351	133	67	48	112	-------	328.7	13.7

[a] The barometric readings of this station are not reduced to sea level.

TAGBILARAN.

Month.	Pressure (mean).	Temperature. Mean.	Maximum.	Date.	Minimum.	Date.	Relative humidity (mean).	Rainfall. Total.	Maximum in 24 hours.	Date.	Cloudiness (mean).	Wind. Number of winds from six daily observations. N, NNE.	NE, ENE.	E, ESE.	SE, SSE.	S, SSW.	SW, WSW.	W, WNW.	NW, NNW.	Calm.	Velocity, monthly mean.
	mm.	°C.	°C.		°C.		*P. ct.*	*mm.*	*mm.*		*0–10*										*0–12*
January	761.30	25.4	34.1	14			79.5	4.5	3	6	3.9	2	25	13	27	20	0	0	0	99	0.7
February	60.45	25.4	32.9	7, 21			84.5	156	72.4	10	4.4	4	11	10	43	21	0	0	0	85	.8
March	60.50	26.1	34.8	25			79	4.6	3.6	7	3.5	9	18	12	36	26	0	0	0	85	.9
April [a]	60.12	26.8	35.1	25			82.7	57.5	32.3	27	3.9	3	7	8	25	17	0	0	1	89	.7
May	58.67	27.5	35.2	17			79	1.5	1.5	27	3.5	5	5	19	36	32	0	0	0	89	1.1
June	58.24	28.2	35.6	9			79.3	46.7	23.6	10	4.9	5	6	19	27	30	0	2	0	91	.9
July	57.78	26.8	33.2	1			89.3	564.9	85.1	14	7.8	2	3	5	26	51	12	4	1	82	1
August	57.77	27.5	34.9	2			79.2	250.8	57.4	16	7.1	0	0	1	6	72	20	15	0	72	1.5
September	57.41	27.1	33.9	3, 5	22.8	8	81.4	227	74.7	6	6.6	0	1	0	4	63	23	1	0	88	1.1
October [b]	58	27.1	34.6	4	22.3	20	81.8	199.5	127.5	15	6.5	1	0	0	5	39	16	8	3	84	1.2
November [c]	57.35	26.5	34.8	21	21.2	17	84.8	200.5	79.2	28	5.5	10	4	2	18	18	1	2	9	56	1.1
December	59.41	25.9	33.7	12, 13	19	19	82.9	40.3	12.4	21	4.5	6	17	22	27	7	2	0	3	102	.7
Year	758.92	26.7	35.6				82	1,753.8	127.5		5.2	47	97	111	280	396	74	32	17	1022	1

TACLOBAN.

January	761.88	25.1	32	19	20.4	24	82	102.3	48.4	12	5.2	23	14	38	12	3	1	25	56	14	0.8
February	61.05	25.7	32.1	13, 29	20.6	8	81.9	142.1	35.6	10	5.4	14	21	35	5	14	0	18	15	52	1.1
March	61.19	[d]26.4	[d]33.5	26	20	19	[d]76.6	43.7	9.9	12	4.4	4	14	41	34	6	0	17	11	59	.8
April	60.66	27.2	34.8	6	22.4	12	80.2	121.4	28.4	7	4.9	7	15	32	32	2	0	36	17	39	.8
May	58.98	28.5	35.8	27	22.6	5	78.2	17.1	10.2	27	5.2	2	5	23	75	9	0	15	6	51	.9
June	58.24	28.8	35.4	8, 28	23.7	30	78.4	55.2	17.7	29	5.5	2	6	32	53	6	1	15	8	57	.8
July	57.57	27.2	35.4	12	22	23	83.1	223.1	61.5	23	7.8	8	6	24	22	11	10	20	21	64	.7
August	57.16	27.5	34.5	28	23.3	10, 11, 12	79.7	182.9	48.2	22	7.3	7	3	16	6	5	22	55	17	55	.8
September	56.62	27.9	35.2	28	22.8	8	76.8	168.1	116	6	6.9	7	3	11	16	13	24	48	13	45	.9
October	57.96	27	34.4	3	23	26	83	312.3	61.2	14	6.8	4	6	18	15	7	3	57	24	52	1
November	57.87	[e]26.6	[e]33	15, 18	[e]22.9	3	[e]84.4	[f]262?			6.4	9	5	22	24	4	1	44	40	31	1.3
December	59.80							226	58.1	10	7	48	27	18	9	5	1	21	23	34	.8
Year	759.08	27.1	35.8		20		80.4	1,856.2	116		6.1	135	125	310	303	85	63	371	251	553	0.9

SAN ISIDRO.

January	762.54	24.8	33.5	2	15.6	24	73.5	5.6	3.8	4	4.9	31	135	15	8	0	0	0	1	1	1.9
February	61.70	25.7	35.8	17	17	4, 14	69.4	3.9	2.3	8	4.6	62	84	28	0	0	0	0	0	0	2.3
March	61.36	27.3	38	13	17.5	5, 11	63.8	5.3	5.3	18	4	45	101	31	0	5	1	1	2	0	2.1
April	60.80	28.9	39.6	10	19	2	62.8	12.7	12.7	29	4.2	39	71	65	2	1	0	1	1	0	2.2
May	58.73	29.3	40.3	18	22.5	11	73.3	141.5	44.5	27	5.9	47	64	19	19	6	21	0	7	3	1.8
June	58	28.3	37.5	4	22.6	21	81.5	248.3	68.8	10	6.1	16	33	8	42	38	36	2	2	3	1.6
July	57.26	26.6	35.5	2	21.7	7	88.3	340.1	58.4	31	7.7	23	22	8	10	55	26	7	2	33	1.2
August	56.61	26.3	33.8	16	22.2	5	90.4	513.6	77.2	1	7.7	1	10	2	11	54	84	11	1	12	1.6
September	56.24	26.5	33.9	28	22.3	26	89.8	317.1	99.3	7	7.9	30	4	1	3	53	54	12	8	15	1.5
October	58.53	26.2	33.1	22, 29	21.8	25	88.7	208.8	51.6	7	6.6	31	60	7	17	25	24	7	1	14	1.5
November	59.20	25.6	33.2	18	19.5	27	83.6	76.9	29.4	30	5.2	66	82	24	4	3	0	0	0	1	1.8
December	61.06	24.7	32.1	20	17.1	8	82.4	31.8	19.3	26	5.2	61	74	19	1	3	1	8	16	3	1.9
Year	759.34	26.7	40.3		15.6		79	1,905.6	99.3		5.8	452	740	227	112	243	247	49	41	85	1.8

BOLINAO.

January	761.96	26	32.6	5	19.1	24	79.8	2.3	2.3	19	5.5	74	5	22	47	11	0	5	17	5	3
February	61.19	25.7	33.9	25	18.6	4, 5	77.6	0	0	0	6.4	70	3	20	32	22	0	9	15	3	3.2
March	60.77	27.3	35.9	25	20.3	6	71.8	.3	.3	9	5.3	46	8	29	50	21	0	21	10	1	3
April	60.25	29	36.2	21	22.4	4	73	3.8	2.5	16	6.5	55	5	12	39	20	0	21	27	1	3.2
May	58.27	29.8	36.1	11, 12, 25, 28	23.2	18	74.8	18.6	6.4	28	7.9	36	5	11	25	42	3	41	23	0	2.9
June	57.29	28.4	36	2, 3	23.9	14, 15	80.1	225.3	49.2	19	9.9	8	0	6	55	74	24	11	2	0	2.8
July	56.35	27.1	34.5	1	22.9	24	86	728.9	206.3	30	9.8	6	0	9	63	77	14	11	3	3	2.7
August	55.69	26.4	32.5	14, 23	23.2	2, 4, 31	89.2	788.2	150.8	30	9.9	0	0	4	24	101	32	21	2	2	2.8
September	55.58	26.8	32.9	7	22.4	23	86.5	351.2	119.9	1	9.7	12	2	2	23	69	27	23	21	1	3
October	57.86	26.8	33.1	22	22.6	21, 30	85	273.6	52	1	9.1	37	1	9	33	60	6	11	27	2	2.7
November	58.51	26.8	33.4	17	21.1	18	80.4	27.4	20.1	19	7.2	63	1	15	48	41	0	3	8	1	2.9
December	60.40	25.9	32	11, 13, 30	18.6	8	78.7	2.3	1.5	2	7.1	82	3	23	55	16	0	4	2	1	3.1
Year	758.68	27.2	36.2		18.6		80.2	2,421.9	206.3		7.9	489	33	162	494	554	106	181	157	20	2.9

[a] 25 days of observation.
[b] 26 days of observation.
[c] 20 days of observation.
[d] 30 days of observation.
[e] 24 days of observation.
[f] Rainfall for the 24th is not included as the rain gauge could not be observed after 6 p. m.

VIGAN.

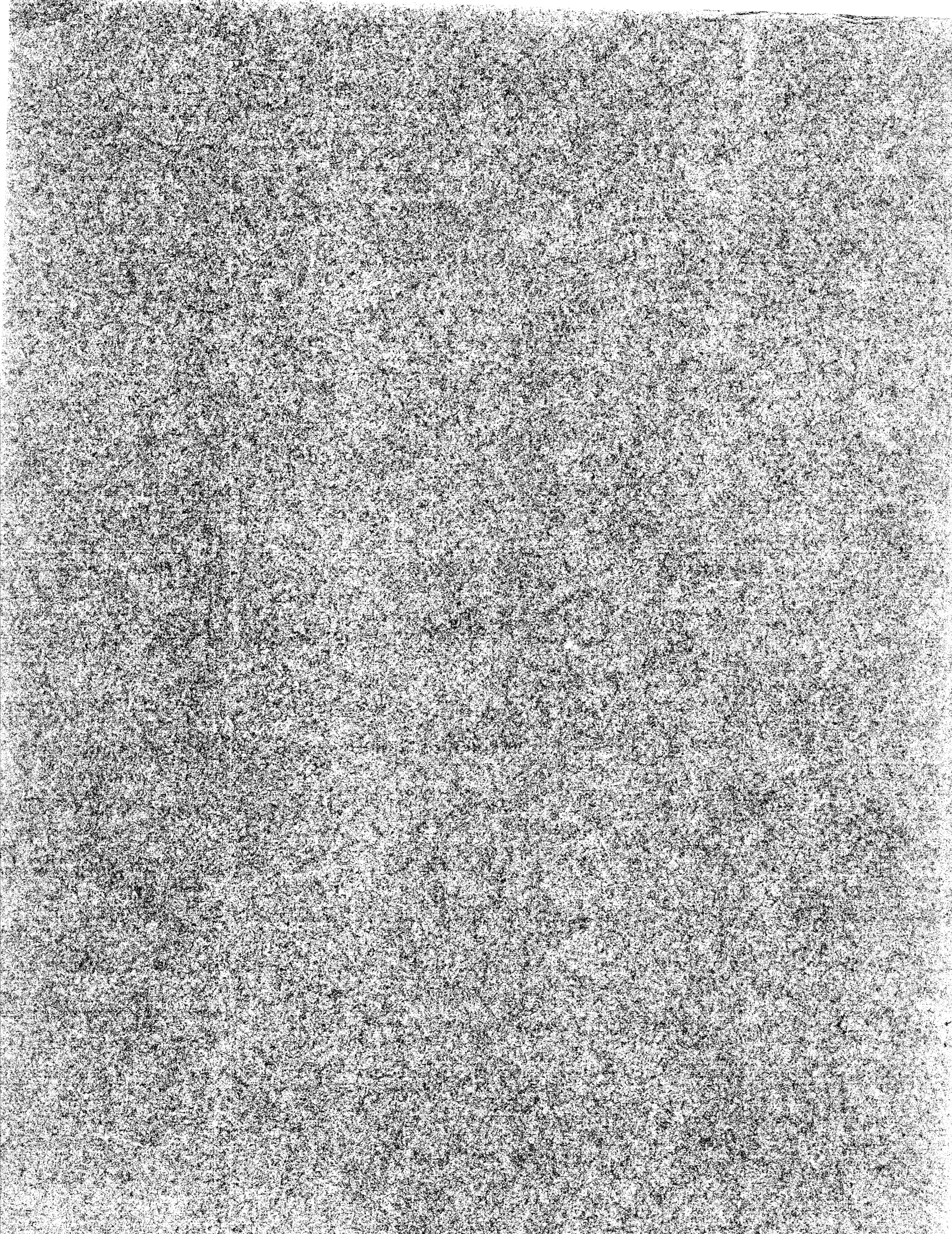
Month.	Pressure (mean).	Temperature.					Relative humidity (mean).	Rainfall.			Cloudiness (mean).	Wind.									
		Mean.	Maximum.	Date.	Minimum.	Date.		Total.	Maximum in 24 hours.	Date.		Number of winds from six daily observations.									Velocity, monthly mean.
												N, NNE.	NE, ENE.	E, ESE.	SE, SSE.	S, SSW.	SW, WSW.	W, WNW.	NW, NNW.	Calm.	
	mm.	°C.	°C.		°C.		*P. ct.*	*mm.*	*mm.*		*0–10*										*0–12*
January	762.23	25.2	33.7	4	19.6	31	87.3	0	0	0	3.7	40	24	21	7	6	8	16	26	38	1
February	61.43	25.2	35.3	20	17.7	4	83.3	0	0	0	3.3	37	17	11	11	7	7	8	45	31	1.2
March	60.94	26.8	35.5	23	20.8	2	78.8	0	0	0	2.3	32	15	21	18	6	6	17	41	30	1.1
April	60.38	28.3	35.5	10	22.7	2	72	0	0	0	3.2	40	13	13	12	10	15	12	32	33	1.1
May	58.44	29.4	35.4	26	23.8	9, 23	73.9	.5	.5	25	4	18	15	17	10	16	17	19	41	33	1
June	57.36	28.7	35.8	1	23.3	19	82	162.3	23.2	29	6.5	3	7	27	67	37	20	2	8	9	1.5
July	56.40	27.5	33.4	19	22.2	10	85.6	660.1	302.8	31	7.3	7	18	42	38	42	16	7	10	6	1.5
August	55.73	26.6	31.6	20	21.8	1	87.9	978.5	316	1	7.6	2	3	33	59	55	15	7	3	9	1.3
September	55.50	26.5	32.2	25	22.1	27, 28	89	553.3	76.2	2	7.9	17	6	20	45	33	7	11	13	28	1.2
October	57.84	26.7	33.6	15	22.1	21	86.1	372.3	113.8	27	6	38	25	15	15	22	7	4	29	31	1.2
November	58.61	26.8	33.4	29	18.7	22	83.8	.3	.2	29	4.1	40	36	16	9	6	2	9	33	29	1.2
December	60.53	25.7	34.5	26	17.8	7	81	0	0	0	3.1	66	32	24	5	3	9	7	26	14	1.5
Year	758.78	27	35.8		17.7		82.6	2,727.3	316		4.9	340	211	260	296	243	129	119	307	291	1.2

TUGUEGARAO.

January	763.51	23.3	33	1	15.8	23	85.9	28.6	8.9	7	5.2	16	4	0	6	5	14	0	62	79	1
February	62.48	24.7	36.3	28	17.5	8	80	0	0	0	4.9	12	16	0	14	21	10	0	38	63	.9
March	61.62	26.8	38.7	29	17	1, 3	69.6	5.6	4.3	15	3.1	23	11	2	29	22	4	2	23	70	.8
April	60.97	28.6	42.2	29	18.8	2	64.8	7.4	4.6	30	3.5	21	15	3	43	18	8	2	20	50	1
May	58.47	29.4	40.5	19	22	30, 31	71.4	149.6	61.2	31	6	19	19	3	46	17	15	2	22	43	1
June	57.15	29.1	41.1	20	22.6	29, 30	74.8	60.3	34.3	21	6.7	11	10	5	39	29	7	2	27	50	.8
July	56.70	27.8	39.8	6	22	24	80.5	229.9	39.6	24	6.8	7	3	3	40	21	6	1	10	95	.6
August	55.55	27.3	36.8	15, 18, 23	22	12	83.8	207.4	46.7	1	7.5	15	18	3	34	15	10	1	16	74	.7
September	55.12	26.7	37.4	9	21	30	[a]85.7	467.6	117.7	14	7.5	14	5	0	20	9	11	3	36	82	.8
October	58.74	25.5	34.5	29	21.4	12, 17	[b]89.1	384.6	133.7	26	7.5	22	18	2	8	8	3	0	45	80	1
November	60.41	24.8	35.1	4	18	23	87.8	251.8	67.6	29	6.6	21	17	2	7	3	3	1	23	103	.6
December	62.34	23.2	32.5	14	16.7	8	88.9	201.3	138.9	26	6.6	30	13	1	5	2	2	0	50	83	.9
Year	759.42	26.4	42.2		15.8		80.2	1,994.1	138.9		6	211	149	24	291	170	93	14	372	872	0.8

[a] 29 days of observation.

[b] 30 days of observation.



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DEPARTMENT OF AGRICULTURE AND NATURAL RESOURCES
WEATHER BUREAU
REV. JOSÉ ALGUÉ, S. J., DIRECTOR

ANNUAL REPORT OF THE WEATHER BUREAU

FOR THE YEAR 1912

PART IV

HOURLY RESULTS OF THE OBSERVATIONS MADE AT THE MAGNETIC OBSERVATORY OF ANTIPOLO, NEAR MANILA, P. I. DURING THE CALENDAR YEAR 1912

MANILA
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INTRODUCTION.

The Antipolo Magnetic Observatory, which is a division or branch of the Weather Bureau, Manila Observatory, was located at Manila in the Observatory grounds until 1904. It was temporarily closed on account of the electric car system established in that city. The new location of the observatory lies due east of the old at a distance of 18.5 kilometers. The coördinates of the variation building are 121° 10′ E and 14° 36′ N, its elevation above the sea level about 215 meters.

A description of the buildings, instruments, and method both of observation and of reduction, will be found in the "Annual Report of the Weather Bureau for the year 1911, Part IV." The arrangement of the magnetic values in this publication is the same as that of 1911; we adopted the distribution given by the Coast and Geodetic Survey of the United States of America to similar publications of its magnetic observatories.

For all the observations the Insular standard time of the Philippine Archipelago, eight hours (8^h) or the 120^{th} meridian east of Greenwich, is used.

Diurnal variation of D.

1912.

[Five international quiet days. Time 8h E of Greenwich; 24h or 0h = midnight.]

Hour.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Group Means.			Year.
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III	
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	−0.02	+0.03	+0.05	+0.21	+0.07	+0.07	+0.06	+0.34	+0.08	+0.01	−0.06	−0.08	−0.03	+0.09	+0.14	+0.06
2	−0.05	+0.03	+0.05	+0.29	+0.21	+0.13	+0.17	+0.48	+0.14	−0.02	−0.03	−0.13	−0.04	+0.12	+0.25	+0.11
3	−0.16	+0.08	−0.01	+0.32	+0.30	+0.21	+0.23	+0.82	+0.25	−0.02	0.00	−0.16	−0.06	+0.14	+0.39	+0.16
4	−0.22	+0.14	−0.06	+0.29	+0.38	+0.21	+0.17	+0.70	+0.30	−0.05	−0.06	−0.19	−0.08	+0.12	+0.36	+0.13
5	−0.25	+0.17	−0.15	+0.09	+0.49	+0.38	+0.34	+0.90	+0.33	−0.13	−0.17	−0.30	−0.14	+0.04	+0.53	+0.14
6	−0.25	+0.17	−0.23	+0.15	+1.33	+0.94	+0.98	+1.46	+0.61	−0.08	−0.20	−0.44	−0.18	+0.11	+1.18	+0.37
7	−0.33	+0.08	−0.01	+0.51	+2.03	+1.81	+1.91	+1.96	+1.31	+0.32	−0.34	−0.94	−0.38	+0.53	+1.93	+0.69
8	+0.12	+0.05	+0.66	+0.82	+1.95	+1.72	+1.93	+1.60	+1.42	+0 60	−0 09	−0.69	−0.15	+0.88	+1.80	+0.84
9	+0.59	−0.28	+1.06	+0.71	+1.00	+0.72	+1.04	+0.34	+0.84	+0.48	+0 08	−0.24	+0.04	+0.77	+0.78	+0.53
10	+0.54	−0.70	+1.00	+0.21	−0.18	−0.07	+0.06	−1.09	+0.02	+0.12	+0.08	+0.18	+0.02	+0.34	−0.32	+0.01
11	−0.25	−0.90	+0.64	−0.49	−0.99	−0.80	−0.81	−2.38	−0.87	−0.44	−0.23	+0.48	−0.22	−0.29	−1.24	−0.59
12	−0.47	−0.90	−0.43	−1.22	−1.66	−1.41	−1.43	−2.74	−1.63	−0.80	−0.39	+0.40	−0.34	−1.02	−1.81	−1.06
13	−0.50	−0.73	−1.35	−1.36	−1.97	−1.44	−1.65	−2.60	−2.05	−0.78	−0.09	+0.18	−0.28	−1.38	−1.92	−1.20
14	−0.39	−0.34	−1.18	−1.14	−1.41	−1.19	−1.26	−1.68	−1.60	−0.47	−0.03	−0.05	−0.20	−1.10	−1.38	−0.90
15	−0.16	+0.31	−0.65	−0.61	−0.80	−0.77	−0.53	−0.53	−0.79	+0.01	+0.14	+0.18	+0.12	−0.51	−0.66	−0.35
16	+0.31	+0.73	−0.04	+0.07	−0.26	−0.29	+0.06	+0.06	+0.02	+0.26	+0.33	+0.60	+0.49	+0.08	−0.11	+0.15
17	+0.43	+0.64	+0.36	+0.51	+0.24	+0.07	+0.11	+0.48	+0.50	+0.20	+0.33	+0.68	+0.52	+0.39	+0.22	+0.38
18	+0.37	+0.50	+0.33	+0.29	+0.01	−0.07	−0.14	+0.42	+0.25	+0.15	+0.25	+0.37	+0.37	+0.26	+0.06	+0.23
19	+0.26	+0.39	+0.16	+0.18	−0.02	−0.10	−0.33	+0.31	+0.11	+0.18	+0.17	+0.23	+0.26	+0.16	−0.04	+0.13
20	+0.20	+0.28	+0.08	+0.07	−0.13	−0.10	−0.33	+0.23	+0.16	+0.18	+0.14	+0.09	+0.18	+0.12	−0.08	+0.07
21	+0.17	+0.19	+0.05	+0.04	−0.22	−0.04	−0.19	+0.26	+0.16	+0.09	+0.05	+0.06	+0.12	+0.08	−0.05	+0.05
22	+0.06	+0.14	−0.06	+0.01	−0.19	+0.02	−5.17	+0.17	+0.08	+0.01	0.00	−0.08	+0.03	+0.01	−0.04	0.00
23	−0.05	+0.05	−0.15	+0.01	−0.13	+0.04	−0.08	+0.23	+0.11	+0.06	+0.03	−0.08	−0.01	+0.01	+0.02	0.00
24	−0.05	0.00	−0.06	+0.12	−0.02	+0.04	0.00	+0.34	+0.16	+0.12	+0.03	−0.10	−0.03	+0.08	+0.09	+0.05

Diurnal variation of Y.

1912.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	0	0	0	+ 2	+ 1	+ 1	+ 1	+ 4	+ 1	0	− 1	− 1	0	+ 1	+ 2	+ 1
2	0	0	0	+ 3	+ 2	+ 1	+ 2	+ 5	+ 1	− 1	0	− 1	0	+ 1	+ 2	+ 1
3	− 1	+ 1	− 1	+ 3	+ 3	+ 2	+ 3	+ 9	+ 2	− 1	0	− 1	0	+ 1	+ 4	+ 2
4	− 2	+ 1	− 1	+ 3	+ 4	+ 2	+ 2	+ 8	+ 3	− 1	− 1	− 2	− 1	+ 1	+ 4	+ 1
5	− 2	+ 2	− 2	+ 1	+ 5	+ 4	+ 4	+10	+ 3	− 2	− 2	− 3	− 1	0	+ 6	+ 2
6	− 2	+ 2	− 3	+ 2	+15	+10	+11	+16	+ 6	− 1	− 2	− 5	− 2	+ 1	+13	+ 4
7	− 3	+ 1	− 1	+ 6	+23	+20	+22	+22	+14	+ 3	− 4	−10	− 4	+ 6	+22	+ 8
8	+ 2	0	+ 6	+ 9	+22	+19	+22	+18	+15	+ 6	− 1	− 7	− 2	+ 9	+20	+ 9
9	+ 7	− 3	+11	+ 8	+11	+ 8	+12	+ 4	+ 9	+ 4	+ 1	− 2	+ 1	+ 8	+ 9	+ 6
10	+ 7	− 8	+11	+ 3	− 2	− 1	+ 2	−12	0	+ 1	+ 1	+ 3	+ 1	+ 4	− 3	0
11	− 2	−10	+ 7	− 5	−11	− 9	− 8	−26	−10	− 5	− 2	+ 6	− 2	− 3	−14	− 6
12	− 4	−10	− 5	−13	−18	−15	−15	−30	−18	− 9	− 4	+ 5	− 3	−11	−20	−11
13	− 5	− 8	−15	−15	−22	−16	−17	−28	−23	− 9	− 1	+ 3	− 3	−16	−21	−13
14	− 4	− 4	−13	−12	−15	−13	−13	−18	−18	− 5	0	0	− 2	−12	−15	−10
15	− 1	+ 3	− 7	− 7	− 9	− 9	− 5	− 6	− 9	0	+ 2	+ 2	+ 2	− 6	− 7	− 4
16	+ 4	+ 8	− 1	+ 1	− 3	− 3	− 1	+ 1	0	+ 3	+ 4	+ 7	+ 6	+ 1	− 2	+ 2
17	+ 5	+ 7	+ 3	+ 6	+ 3	+ 1	+ 2	+ 5	+ 5	+ 2	+ 4	+ 8	+ 6	+ 4	+ 3	+ 4
18	+ 4	+ 5	+ 3	+ 3	0	− 1	− 1	+ 5	+ 2	+ 1	+ 3	+ 4	+ 4	+ 2	+ 1	+ 2
19	+ 3	+ 4	+ 1	+ 2	0	− 1	− 4	+ 4	+ 1	+ 2	+ 2	+ 3	+ 3	+ 2	0	+ 1
20	+ 3	+ 3	0	+ 1	− 1	− 1	− 4	+ 3	+ 1	+ 2	+ 1	+ 1	+ 2	+ 1	− 1	+ 1
21	+ 2	+ 2	0	0	− 2	− 1	− 2	+ 3	+ 1	+ 1	0	+ 1	+ 1	0	0	0
22	+ 1	+ 1	− 1	0	− 2	0	− 1	+ 2	+ 1	0	0	0	0	0	0	0
23	0	0	− 2	0	− 1	0	0	+ 3	+ 1	0	0	0	0	0	0	0
24	0	0	− 1	+ 1	0	0	0	+ 4	+ 1	+ 1	0	− 1	0	0	+ 1	0

Diurnal variation of H.

1912.

[Five international quiet days. Time 8h E of Greenwich; 24h or 0h = midnight.]

Hour.	Jan.	Feb.	March.	April	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Group Means.			Year.
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III	
	γ	γ	γ	γ	γ	γ	γ	γ	~	γ	γ	γ	γ	γ	γ	γ
1	− 9	−16	−13	−16	−10	−13	−13	−11	− 8	−17	−11	−11	−12	−14	−12	−12
2	−11	−15	−15	−18	−10	−12	−12	−11	− 8	−16	−11	−10	−12	−14	−11	−12
3	−10	−14	−12	−18	−11	−13	−12	−11	− 8	−15	−11	−10	−11	−13	−12	−12
4	−11	−13	−14	−18	−11	−13	−11	−11	− 8	−15	−11	−10	−11	−14	−12	−12
5	−10	−13	−14	−15	−12	−14	−11	−12	− 7	−14	− 9	− 8	−10	−12	−12	−12
6	− 9	−11	−12	−17	− 9	−13	− 9	−10	− 6	−12	− 8	− 6	− 8	−12	−10	−10
7	− 8	−10	−10	−11	− 5	− 7	− 1	− 4	− 6	−10	− 5	− 2	− 6	− 9	− 4	− 7
8	− 2	− 2	− 2	− 1	+ 2	+ 2	+ 6	+ 3	0	− 4	+ 1	+ 2	0	− 2	+ 3	0
9	+ 5	+ 9	+12	+13	+12	+13	+17	+15	+11	+ 7	+ 8	+ 9	+ 8	+11	+14	+11
10	+15	+19	+28	+29	+19	+21	+25	+25	+23	+22	+19	+16	+17	+26	+22	+22
11	+19	+25	+39	+35	+21	+24	+25	+29	+30	+33	+26	+20	+22	+34	+25	+27
12	+17	+27	+40	+31	+21	+24	+26	+26	+28	+32	+25	+19	+22	+33	+24	+26
13	+14	+24	+32	+25	+16	+20	+21	+18	+22	+24	+17	+15	+18	+26	+19	+21
14	+11	+18	+23	+19	+12	+18	+16	+12	+14	+13	+ 9	+ 9	+12	+17	+14	+14
15	+ 6	+11	+11	+11	+ 7	+ 9	+ 5	+ 5	+ 6	+ 6	+ 4	+ 5	+ 6	+ 8	+ 6	+ 7
16	+ 4	+ 5	0	+ 3	+ 2	0	− 2	0	− 2	+ 4	+ 1	0	+ 2	+ 1	0	+ 2
17	+ 2	+ 1	− 3	− 2	− 3	− 6	− 8	− 4	− 5	+ 2	− 1	− 1	0	− 2	− 5	− 2
18	0	− 2	− 7	− 4	− 3	− 8	−11	− 6	− 9	0	− 3	− 3	− 2	− 5	− 7	− 5
19	0	− 4	− 9	− 6	− 3	− 6	−12	− 9	−10	− 2	− 5	− 5	− 4	− 7	− 8	− 6
20	− 1	− 5	−11	− 8	− 4	− 5	−13	−10	−11	− 3	− 8	− 6	− 5	− 8	− 8	− 7
21	− 3	− 6	−14	− 8	− 5	− 5	−12	−10	−10	− 5	−10	− 7	− 6	− 9	− 8	− 8
22	− 4	− 7	−14	− 9	− 6	− 6	−12	−12	−11	− 7	−10	− 8	− 7	−10	− 9	− 9
23	− 6	− 8	−15	−10	− 8	− 7	−11	−10	−11	− 7	−10	− 8	− 8	−11	− 9	− 8
24	− 5	− 9	−15	−10	− 8	− 7	− 9	− 9	−11	− 8	−11	− 9	− 8	−11	− 8	− 9

Diurnal variation of X.

1912.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	− 9	−16	−13	−16	−10	−13	−13	−11	− 8	−17	−11	−11	−12	−14	−12	−12
2	−11	−15	−15	−18	−10	−12	−12	−11	− 8	−16	−11	−10	−12	−14	−11	−12
3	−10	−14	−12	−18	−11	−13	−12	−11	− 8	−15	−11	−10	−11	−13	−12	−12
4	−11	−13	−14	−18	−11	−13	−11	−11	− 8	−15	−11	−10	−11	−14	−12	−12
5	−10	−13	−14	−15	−12	−14	−11	−12	− 7	−14	− 9	− 8	−10	−12	−12	−12
6	− 9	−11	−12	−17	− 9	−13	− 9	−10	− 6	−12	− 8	− 6	− 8	−12	−10	−10
7	− 8	−10	−10	−11	− 5	− 7	− 1	− 4	− 6	−10	− 5	− 2	− 6	− 9	− 4	− 7
8	− 2	− 2	− 2	− 1	+ 2	+ 2	+ 6	+ 3	0	− 4	+ 1	+ 2	0	− 2	+ 3	0
9	+ 5	+ 9	+12	+13	+12	+13	+17	+15	+11	+ 7	+ 8	+ 9	+ 8	+11	+14	+11
10	+15	+20	+28	+29	+19	+21	+25	+25	+23	+22	+19	+16	+18	+26	+22	+22
11	+19	+26	+39	+35	+21	+24	+25	+29	+30	+33	+26	+20	+23	+34	+25	+27
12	+17	+28	+40	+31	+21	+24	+26	+26	+28	+32	+25	+19	+22	+33	+24	+26
13	+14	+25	+33	+25	+16	+20	+21	+18	+22	+24	+17	+15	+18	+26	+19	+21
14	+11	+18	+24	+19	+12	+18	+16	+12	+14	+13	+ 9	+ 9	+12	+17	+14	+14
15	+ 6	+11	+11	+11	+ 7	+ 9	+ 5	+ 5	+ 6	+ 6	+ 4	+ 5	+ 6	+ 8	+ 6	+ 7
16	+ 4	+ 5	0	+ 3	+ 2	0	− 2	0	− 2	+ 4	+ 1	0	+ 2	+ 1	0	+ 2
17	+ 2	+ 1	− 3	− 2	− 3	− 6	− 8	− 4	− 5	+ 2	− 1	− 1	0	− 2	− 5	− 2
18	0	− 2	− 7	− 4	− 3	− 8	−11	− 6	− 9	0	− 3	− 3	− 2	− 5	− 7	− 5
19	0	− 4	− 9	− 6	− 3	− 6	−12	− 9	−10	− 2	− 5	− 5	− 4	− 7	− 8	− 6
20	− 1	− 5	−11	− 8	− 4	− 5	−13	−10	−11	− 3	− 8	− 6	− 5	− 8	− 8	− 7
21	− 3	− 6	−14	− 8	− 5	− 5	−12	−10	−10	− 5	−10	− 7	− 6	− 9	− 8	− 8
22	− 4	− 7	−14	− 9	− 6	− 6	−12	−12	−11	− 7	−10	− 8	− 7	−10	− 9	− 9
23	− 6	− 8	−15	−10	− 8	− 7	−11	−10	−11	− 7	−10	− 8	− 8	−11	− 9	− 9
24	− 4	− 9	−15	−10	− 8	− 7	− 9	− 9	−11	− 8	−11	− 9	− 8	−11	− 8	− 9

Diurnal variation of Z.

1912.

[Five international quiet days. Time 8h E of Greenwich; 24h or 0h = midnight.]

Hour.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Group Means.			Year.
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III	
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	+ 8	+ 8	+12	+ 5	+ 8	+10	+ 7	+20	+15	+ 6	+10	+ 1	+ 7	+10	+11	+ 9
2	+ 5	+ 5	+10	+ 3	+ 6	+ 7	+ 4	+17	+14	+ 5	+ 8	− 1	+ 4	+ 8	+ 8	+ 7
3	+ 2	+ 3	+ 9	+ 1	+ 5	+ 5	+ 1	+14	+13	+ 3	+ 6	− 2	+ 2	+ 6	+ 6	+ 5
4	− 1	0	+ 6	− 2	+ 3	+ 3	− 2	+11	+12	+ 1	+ 4	− 3	0	+ 4	+ 4	+ 3
5	− 4	− 2	+ 2	− 4	+ 1	+ 2	− 4	+ 7	+11	− 1	+ 2	− 6	− 2	+ 2	+ 2	0
6	− 7	− 4	− 2	− 5	0	+ 1	− 6	+ 4	+10	− 3	0	− 8	− 5	0	0	− 2
7	− 9	− 7	− 7	− 8	− 4	− 3	−13	− 3	+ 7	− 5	− 2	−10	− 7	− 3	− 6	− 5
8	−13	−11	−13	−13	−11	− 8	−26	−16	− 2	−12	− 5	−12	−10	−10	−15	−12
9	−18	−17	−19	−17	−18	−17	−37	−26	−16	−19	−11	−14	−15	−18	−24	−19
10	−24	−21	−26	−20	−22	−21	−40	−36	−29	−29	−18	−16	−20	−26	−30	−25
11	−29	−24	−31	−19	−21	−23	−39	−41	−36	−35	−23	−21	−24	−30	−31	−28
12	−27	−21	−28	−16	−18	−21	−33	−29	−39	−30	−22	−21	−23	−28	−25	−25
13	−19	−14	−20	− 8	−14	−15	−22	−17	−32	−21	−16	−17	−16	−20	−17	−18
14	− 7	− 5	− 8	0	− 5	− 6	−10	− 5	−16	−11	− 8	−12	− 8	− 9	− 6	− 8
15	+ 3	+ 4	+ 2	+ 7	+ 1	+ 1	+ 3	+ 4	− 1	+ 1	+ 1	− 2	+ 2	+ 2	+ 2	+ 2
16	+11	+10	+10	+12	+ 5	+ 6	+12	+ 7	+ 9	+ 7	+ 7	+ 7	+ 9	+10	+ 8	+ 9
17	+16	+14	+15	+12	+ 8	+11	+17	+10	+12	+13	+ 9	+12	+13	+13	+12	+12
18	+18	+15	+16	+11	+ 9	+11	+21	+11	+11	+19	+10	+16	+15	+14	+13	+14
19	+19	+16	+16	+11	+10	+11	+25	+12	+11	+20	+11	+18	+16	+14	+14	+15
20	+19	+15	+15	+11	+10	+10	+26	+12	+10	+19	+11	+19	+16	+14	+14	+15
21	+17	+14	+14	+10	+10	+ 9	+27	+11	+10	+19	+11	+20	+16	+13	+14	+14
22	+16	+13	+12	+ 9	+10	+ 9	+27	+10	+ 9	+19	+10	+19	+14	+12	+14	+14
23	+14	+11	+11	+ 8	+10	+ 8	+26	+ 8	+ 8	+18	+ 9	+18	+13	+11	+13	+12
24	+11	+ 9	+11	+ 9	+ 9	+ 7	+26	+ 7	+ 6	+17	+ 8	+16	+11	+10	+12	+11

Diurnal variation of I.

1912.

	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,	,
1	+0.89	+1.05	+1.31	+0.82	+0.94	+1.15	+0.91	+1.95	+1.44	+0.91	+1.04	+0.34	+0.83	+1.12	+1.24	+1.06
2	+0.69	+0.78	+1.19	+0.70	+0.78	+0.88	+0.64	+1.70	+1.35	+0.81	+0.88	+0.15	+0.62	+1.01	+1.00	+0.88
3	+0.41	+0.59	+1.04	+0.53	+0.72	+0.73	+0.39	+1.45	+1.27	+0.61	+0.71	+0.06	+0.44	+0.86	+0.82	+0.71
4	+0.19	+0.31	+0.83	+0.29	+0.55	+0.57	+0.12	+1.20	+1.19	+0.45	+0.54	−0.02	+0.26	+0.69	+0.61	+0.52
5	−0.08	+0.15	+0.50	+0.05	+0.41	+0.51	−0.04	+0.89	+1.09	+0.26	+0.33	−0.32	+0.02	+0.48	+0.44	+0.31
6	−0.36	−0.07	+0.12	+0.01	+0.25	+0.40	−0.26	+0.59	+0.98	+0.04	+0.14	−0.53	−0.20	+0.29	+0.24	+0.11
7	−0.55	−0.34	−0.34	−0.38	−0.17	−0.08	−1.04	−0.14	+0.73	−0.17	−0.10	−0.79	−0.44	−0.04	−0.36	−0.28
8	−1.03	−0.87	−1.04	−1.04	−0.93	−0.71	−2.29	−1.39	−0.17	−0.90	−0.49	−1.06	−0.86	−0.79	−1.33	−0.99
9	−1.62	−1.64	−1.88	−1.71	−1.75	−1.72	−3.47	−2.51	−1.60	−1.75	−1.16	−1.39	−1.45	−1.74	−2.36	−1.85
10	−2.35	−2.21	−2.84	−2.35	−2.26	−2.27	−3.91	−3.58	−2.97	−2.95	−2.01	−1.73	−2.08	−2.78	−3.00	−2.62
11	−2.87	−2.60	−3.52	−2.41	−2.22	−2.49	−3.83	−4.10	−3.72	−3.71	−2.60	−2.24	−2.58	−3.34	−3.16	−3.03
12	−2.65	−2.40	−3.30	−2.06	−1.97	−2.32	−3.35	−3.01	−3.92	−3.27	−2.49	−2.22	−2.44	−3.14	−2.66	−2.75
13	−1.91	−1.75	−2.44	−1.26	−1.52	−1.73	−2.32	−1.84	−3.20	−2.31	−1.80	−1.79	−1.81	−2.30	−1.85	−1.99
14	−0.84	−0.86	−1.22	−0.45	−0.67	−0.94	−1.20	−0.69	−1.67	−1.23	−0.94	−1.22	−0.96	−1.14	−0.88	−0.99
15	+0.11	+0.06	−0.10	+0.33	−0.05	−0.13	+0.15	+0.23	−0.23	−0.06	−0.07	−0.30	−0.05	−0.62	+0.05	0.00
16	+0.82	+0.71	+0.83	+0.94	+0.40	+0.50	+1.07	+0.60	+0.80	+0.48	+0.50	+0.57	+0.65	+0.76	+0.64	+0.68
17	+1.29	+1.14	+1.31	+1.05	+0.78	+1.08	+1.63	+0.95	+1.12	+1.03	+0.72	+1.01	+1.04	+1.13	+1.11	+1.09
18	+1.50	+1.29	+1.50	+1.02	+0.86	+1.11	+2.03	+1.08	+1.14	+1.58	+0.85	+1.39	+1.26	+1.31	+1.27	+1.28
19	+1.59	+1.42	+1.55	+1.07	+0.94	+1.08	+2.39	+1.23	+1.16	+1.71	+0.98	+1.60	+1.40	+1.37	+1.41	+1.39
20	+1.61	+1.37	+1.51	+1.12	+0.96	+0.96	+2.50	+1.26	+1.10	+1.65	+1.05	+1.72	+1.44	+1.34	+1.42	+1.40
21	+1.49	+1.31	+1.50	+1.04	+0.99	+0.88	+2.56	+1.18	+1.07	+1.70	+1.10	+1.82	+1.43	+1.33	+1.40	+1.39
22	+1.43	+1.25	+1.32	+0.98	+1.01	+0.90	+2.56	+1.14	+1.02	+1.75	+1.02	+1.76	+1.36	+1.27	+1.40	+1.34
23	+1.32	+1.11	+1.28	+0.92	+1.06	+0.84	+2.45	+0.93	+0.93	+1.67	+0.94	+1.68	+1.51	+1.20	+1.32	+1.34
24	+1.02	+0.96	+1.28	+0.84	+0.93	+0.75	+2.40	+0.82	+0.77	+1.61	+0.88	+1.54	+1.10	+1.12	+1.24	+1.15

Diurnal variation of F.

1912.

[Five international quiet days. Time 8h E of Greenwich; 24h or 0h = midnight.]

Hour.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Group Means.			Year.
	I	I	II	II	III	III	III	III	II	II	I	I	I	II	III	
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	− 7	−13	− 9	−13	− 8	− 9	−10	− 5	− 3	−15	− 8	−10	−10	−10	− 8	− 9
2	−10	−12	−12	−16	− 8	− 9	−10	− 6	− 4	−15	− 8	−10	−10	−12	− 8	−10
3	− 9	−12	− 9	−17	−10	−11	−11	− 6	− 4	−14	− 9	−10	−10	−11	−10	−10
4	−11	−12	−12	−17	−10	−11	−11	− 7	− 4	−15	− 9	−10	−10	−12	−10	−11
5	−11	−12	−13	−15	−12	−12	−11	−10	− 3	−14	− 8	− 9	−10	−11	−11	−11
6	−11	−11	−12	−17	− 9	−12	−10	− 8	− 3	−13	− 8	− 8	−10	−11	−10	−10
7	−11	−11	−12	−12	− 6	− 7	− 4	− 5	− 4	−12	− 5	− 5	− 8	−10	− 5	− 8
8	− 6	− 5	− 6	− 4	− 2	− 0	− 1	− 2	0	− 8	0	− 1	− 3	− 4	− 1	− 3
9	− 1	+ 4	+ 6	+ 8	+ 6	+ 8	+ 6	+ 7	+ 6	+ 1	+ 5	+ 5	+ 3	+ 5	+ 7	+ 5
10	+ 7	+13	+19	+23	+12	+15	+13	+14	+14	+12	+13	+11	+11	+17	+14	+14
11	+10	+18	+29	+29	+14	+17	+14	+16	+19	+21	+18	+14	+15	+24	+15	+18
12	+ 8	+21	+31	+26	+15	+18	+16	+17	+16	+22	+18	+13	+15	+24	+16	+18
13	+ 8	+20	+25	+22	+11	+15	+15	+13	+13	+17	+12	+10	+12	+19	−14	+15
14	+ 8	+16	+20	+18	+10	+16	+13	+10	+ 9	+ 9	+ 6	+ 5	+ 9	+14	+12	+12
15	+ 6	+12	+11	+13	+ 7	+ 9	+ 6	+ 6	+ 6	+ 5	+ 4	+ 4	+ 6	+ 9	+ 7	+ 7
16	+ 6	+ 8	+ 3	+ 7	+ 3	+ 2	+ 2	+ 2	+ 1	+ 5	+ 3	+ 2	+ 5	+ 4	+ 2	+ 4
17	+ 6	+ 5	+ 1	+ 2	− 1	− 2	− 3	− 1	− 1	+ 5	+ 2	+ 3	+ 4	+ 2	− 2	+ 1
18	+ 5	+ 3	− 2	0	− 1	− 4	− 4	− 3	− 5	+ 5	0	+ 2	+ 2	0	− 3	0
19	+ 5	+ 1	− 4	− 2	− 1	− 2	− 4	− 5	− 6	+ 3	− 2	0	+ 1	− 2	− 3	− 1
20	+ 4	0	− 7	− 4	− 1	− 2	− 5	− 6	− 8	+ 2	− 4	0	0	− 4	− 4	− 3
21	+ 2	− 1	−10	− 5	− 2	− 2	− 4	− 6	− 7	0	− 6	− 1	− 1	− 6	− 4	− 4
22	0	− 3	−10	− 6	− 3	− 3	− 4	− 9	− 8	− 2	− 7	− 2	− 3	− 6	− 5	− 5
23	− 2	− 4	−11	− 7	− 5	− 4	− 3	− 7	− 8	− 2	− 7	− 3	− 4	− 7	− 5	− 5
24	− 1	− 6	−11	− 7	− 6	− 4	− 1	− 7	− 9	− 4	− 8	− 4	− 5	− 8	− 4	− 6

Summary of monthly means, 1912.

Month.	D.	Y.	H.	X.	Z.	I.	F.
	° ′	γ	γ	γ	γ	° ′	γ
January	0 40.48	448	38082	38079	11121	16 16.75	39673
February	0 39.97	443	38090	38087	11129	16 17.23	39682
March	0 40.29	447	38102	38099	11107	16 15.11	39688
April	0 40.22	446	38121	38118	11119	16 15.63	39709
May	0 40.51	449	38114	38111	11097	16 13.95	39697
June	0 40.31	447	38111	38108	11096	16 13.97	39693
July	0 40.09	444	38124	38121	11080	16 12.31	39701
August	0 39.72	440	38100	38097	11111	16 15.47	39687
September	0 39.95	443	38092	38089	11114	16 15.93	39680
October	0 39.88	442	38085	38082	11092	16 14.27	39668
November	0 39.80	441	38095	38092	11110	16 15.58	39682
December	0 39.20	434	38099	38096	11104	16 14.94	39684
Year	0 40.04	444	38101	38098	11107	16 15.10	39687

HOURLY VALUES OF DECLINATION.

JANUARY, 1912.

0° East plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	39.85	39.71	39.57	39.43	39.57	39.85	39.71	40.41	40.27	39.43	39.29	39.15	39.43	39.43	39.99
2[a]	39.88	40.02	39.88	39.88	39.74	39.74	39.60	40.58	41.28	40.86	40.16	40.02	40.44	40.44	40.16
3	39.90	39.90	39.90	39.90	39.90	39.76	39.48	40.46	41.30	41.16	40.18	39.76	39.90	40.32	40.60
4	39.94	39.94	40.08	40.08	39.94	39.66	39.24	39.66	40.08	39.80	38.96	39.24	39.52	40.08	40.36
5	39.98	39.84	39.84	39.70	39.56	39.28	38.86	39.42	40.12	40.26	39.42	39.84	40.12	40.68	40.82
6	40.30	40.30	40.16	40.02	39.60	39.32	38.76	39.18	39.88	40.44	40.72	40.86	41.42	41.56	41.84
7	40.48	40.34	40.20	40.06	39.92	39.50	38.66	38.94	41.18	40.48	39.78	39.92	40.90	41.60	41.88
8	40.66	40.52	40.38	40.24	40.10	39.40	39.26	40.24	41.64	42.34	41.36	41.08	40.66	41.08	41.36
9	40.28	40.28	40.28	40.28	40.14	39.72	39.58	40.42	41.54	40.56	40.28	40.84	41.54	42.10	42.10
10	40.18	40.18	40.32	40.32	40.32	40.18	39.76	40.18	40.60	39.62	39.48	38.64	39.48	40.46	41.44
11	40.08	40.22	40.22	40.36	40.36	40.50	40.64	40.92	40.92	39.52	39.24	39.52	39.94	40.22	40.50
12	40.40	40.26	40.26	40.40	40.54	40.54	40.40	40.96	41.66	41.24	39.98	39.14	39.42	40.26	40.82
13	40.44	40.58	40.44	40.44	40.30	40.44	40.30	40.16	40.58	40.44	39.88	39.60	39.88	40.16	41.70
14	40.48	40.48	40.34	40.20	40.34	39.92	39.64	40.20	40.48	40.62	40.48	40.48	39.92	39.64	40.48
15[a]	40.80	40.80	40.66	40.52	40.52	40.38	40.24	40.52	41.22	41.64	41.08	40.38	39.96	39.40	39.82
16[a]	40.56	40.56	40.42	40.42	40.28	40.28	40.60	40.56	41.96	42.52	40.42	40.00	40.00	40.14	40.28
17	40.70	40.56	40.56	40.56	40.42	40.28	39.86	40.42	40.84	40.98	40.70	40.70	40.28	40.28	40.98
18	40.84	40.56	40.42	40.28	40.14	39.72	39.30	39.44	40.00	40.14	39.86	40.28	40.84	40.84	41.12
19	40.42	40.42	40.42	40.42	40.28	40.14	39.72	39.58	39.44	39.44	39.58	39.72	40.56	40.70	40.98
20	40.56	40.56	40.56	40.56	40.56	40.56	40.42	40.28	40.14	40.00	39.86	40.00	40.42	40.98	41.54
21	40.41	40.41	40 27	40.27	40.27	40.41	40.41	39.99	39.71	39.43	39.57	39.85	40.41	41.11	41.81
22	40.55	40.55	40.55	40.55	40.55	40.41	40.97	41.11	40.69	39.85	39.01	38.87	39.85	40.55	40.97
23	40.40	40.26	40.26	40.26	40.12	40.12	40.26	40.26	39.98	39.70	39.28	39.84	39.98	40.40	41.10
24	40.40	40.40	40.26	40.26	40.26	40.12	39.70	39.84	40.12	39.98	39.28	39.84	40.96	41.52	41.80
25	40.39	40.39	40.53	40.53	40.39	40.39	40.39	40.39	40.25	39.69	39.97	40.53	40.39	40.67	41.09
26[a]	40.53	40.39	40.25	40.25	40.39	40.53	40.53	40.81	40.53	40.11	39.83	39.97	39.97	40.39	41.09
27[a]	40.52	40.38	40.38	40.24	40.24	40.24	40.38	40.52	40.38	39.96	39.68	39.68	39.54	40.10	40.24
28	40.52	40.52	40.52	40.38	40.24	40.24	40.38	40.66	40.38	40.24	39.96	39.68	39.82	40.10	40.52
29	40.51	40.37	40.37	40.37	40.37	40.37	40.09	40.09	39.67	39.53	39.39	39.25	39.67	40.23	40.51
30	40.51	40.51	40.51	40.51	40.51	40.51	40.51	40.51	40.51	40.65	39.95	39.67	39.39	40.51	40.79
31	40.64	40.50	40.50	40.50	40.50	40.50	40.50	40.50	40.22	40.50	41.06	40.78	40.78	40.50	40.64
Mean	40.39	40.35	40.30	40.26	40.21	40.10	39.92	40.23	40.57	40.36	39.93	39.91	40.17	40.53	40.95
Mean[a]	40.46	40.43	40.32	40.26	40.23	40.23	40.15	40.60	41.07	41.02	40.23	40.01	39.98	40.09	40.32

FEBRUARY, 1912.

0° East plus tabular quantities.

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	40.50	40.36	40.36	40.36	40.50	40.50	40.22	40.22	40.36	40.50	40.34	40.50	40.78	40.92	41.06
2	40.36	40.36	40.36	40.36	40.22	40.22	40.08	40.08	40.36	40.08	39.52	39.94	40.50	41.34	41.62
3	40.33	40.33	40.47	40.33	40.19	40.05	39.91	39.63	38.79	38.79	38.65	38.23	39.35	40.19	41.03
4	40.15	40.15	40.15	40.15	40.01	39.87	39.59	39.59	39.45	39.03	38.75	39.45	40.01	40.85	40.99
5[a]	39.70	39.70	39.84	39.98	39.98	40.12	40.12	40.26	39.84	39.42	39.42	39.56	39.70	40.26	40.82
6[a]	39.80	39.80	39.80	39.94	40.08	40.08	40.50	40.92	40.50	39.38	38.54	38.96	39.38	40.08	40.92
7	39.91	39.77	39.77	39.91	40.05	40.19	39.77	39.49	38.79	38.09	37.95	37.53	37.81	38.93	39.77
8	40.01	39.73	39.87	40.01	40.01	40.15	40.29	40.29	40.15	39.45	39.03	38.61	39.17	39.73	40.43
9	39.59	39.59	39.73	39.73	39.87	40.01	40.01	40.15	39.73	38.89	38.19	37.77	38.61	39.31	40.01
10	40.02	40.02	39.88	39.88	40.02	40.02	40.16	40.58	40.16	39.74	40.02	39.60	39.74	40.16	40.44
11	39.75	39.75	39.89	39.89	40.03	40.17	39.89	39.61	39.33	39.05	38.91	38.91	39.19	40.03	40.31
12	39.90	39.76	39.62	39.76	39.90	39.62	39.48	39.48	39.06	38.78	39.06	39.76	39.90	40.32	40.46
13	39.91	40.05	40.19	40.05	40.05	39.91	39.49	39.49	39.49	39.49	39.63	40.19	40.61	40.89	40.89
14	40.20	40.34	40.34	40.48	40.34	40.20	39.50	39.22	38.94	38.66	38.24	38.66	39.08	40.06	40.76
15[a]	40.21	40.21	40.35	40.21	40.07	39.93	39.51	38.95	38.67	38.53	38.39	38.39	38.81	39.51	40.35
16	40.08	40.08	40.08	40.22	40.22	40.08	39.52	39.52	39.66	39.52	39.38	39.38	39.66	40.22	40.64
17	40.09	40.09	40.09	40.23	40.23	39.95	39.53	39.39	39.25	39.39	39.39	39.67	39.95	40.79	41.21
18	40.10	40.24	40.10	40.10	40.38	40.52	40.24	40.10	39.82	39.68	39.26	38.84	38.56	39.40	40.52
19	39.98	40.12	40.12	40.12	40.26	40.12	39.98	40.12	39.98	39.98	39.84	39.42	39.42	40.26	40.82
20[a]	40.13	40.13	40.13	40.13	40.27	40.41	40.27	40.13	39.57	39.01	38.87	38.87	38.73	38.87	39.43
21[a]	40.14	40.14	40.14	40.28	40.28	40.14	39.86	39.86	39.86	40.00	40.14	39.58	39.58	39.44	39.86
22	40.01	40.01	40.01	40.01	39.87	39.87	39.59	39.45	39.45	39.59	39.87	39.73	39.59	39.59	40.15
23	40.16	40.30	40.30	40.30	40.16	40.02	40.16	40.16	40.16	40.30	40.16	40.02	39.60	39.74	39.88
24	40.59	40.45	40.45	40.59	40.73	40.59	40.03	40.59	40.45	40.31	40.31	40.17	39.61	40.17	40.17
25	40.18	40.04	40.18	40.32	40.32	40.46	39.76	39.62	39.62	40.04	40.46	40.74	40.60	40.88	41.02
26	(40.19)	(40.19)	(40.05)	(40.19)	(40.33)	(40.19)	(40.05)	39.63	39.07	39.35	39.49	38.93	38.79	38.93	40.05
27	40.20	40.20	40.34	40.48	40.34	40.34	40.48	40.76	39.92	39.22	39.36	38.94	38.94	39.22	39.64
28	40.21	40.35	40.35	40.49	40.35	40.35	40.63	40.77	40.21	40.21	40.21	39.65	39.95	39.93	40.07
29	40.36	40.36	40.36	40.22	40.08	39.94	40.08	40.50	40.50	40.64	40.50	39.94	40.08	40.22	40.08
Mean	40.10	40.09	40.11	40.16	40.18	40.14	39.96	39.95	39.69	39.49	39.39	39.31	39.50	40.01	40.46
Mean[a]	40.00	40.00	40.05	40.11	40.14	40.14	40.05	40.02	39.69	39.27	39.07	39.07	39.24	39.63	40.28

[a] Five international quiet days.

HOURLY VALUES OF DECLINATION.

JANUARY, 1912. 0° East plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
40.13	40.27	40.27	40.27	40.13	39.99	39.99	39.85	39.99	39.83	8 41	40.55	12 00	39.15	1.40	1
40.58	40.58	40.44	40.30	40.16	40.02	39.88	39.74	39.88	40.18	9 00	41.28	7 00	39.60	1.68	2
40.88	40.46	40.32	40.18	40.18	40.18	40.04	39.90	39.90	40.19	8 48	41.44	7 00	39.48	1.96	3
40.78	40.64	40.22	40.36	40.22	40.08	40.08	40.08	39.94	39.96	16 00	40.78	11 20	38.82	1.96	4
40.54	40.26	40.40	40.40	40.40	40.26	40.12	40.26	40.40	40.03	15 00	40.82	7 30	38.72	2.10	5
41.28	40.72	40.44	40.44	40.44	40.44	40.44	40.58	40.58	40.40	14 51	41.99	7 00	38.76	3.23	6
42.16	41.32	40.76	40.90	40.62	40.48	40.48	40.62	40.62	40.49	16 00	42.16	7 00	38.66	3.50	7
41.36	40.80	40.66	40.80	40.52	40.38	40.24	40.38	40.38	40.66	10 00	42.34	7 00	39.26	3.08	8
41.96	41.54	40.98	40.70	40.56	40.28	40.14	40.00	40.00	40.67	12 45	42.24	6 40	39.44	2.80	9
41.72	41.16	40.88	40.88	40.88	40.74	40.60	40.32	40.18	40.36	16 00	41.72	12 00	38.64	3.08	10
40.92	41.20	41.06	40.92	40.92	40.64	40.78	40.64	40.50	40.45	17 00	41.20	11 00	39.24	1.96	11
40.96	41.24	41.38	41.24	40.96	40.96	40.82	40.68	40.68	40.63	9 26	41.80	12 00	39.14	2.66	12
41.42	40.86	41.28	41.00	40.86	40.72	40.58	40.44	40.58	40.54	15 00	41.70	12 14	39.32	2.38	13
41.04	41.18	40.62	40.76	40.76	40.62	40.48	40.62	40.62	40.43	17 00	41.18	6 36	39.50	1.68	14
40.80	40.94	40.66	40.52	40.52	40.52	40.38	40.38	40.52	40.55	10 00	41.64	14 00	39.40	2.24	15
40.56	40.70	40.56	40.70	40.84	40.84	40.84	40.70	40.56	40.61	9 44	42.66	12 25	39.86	2.80	16
41.26	41.40	41.82	41.12	40.98	41.12	40.98	40.98	40.84	40.78	18 00	41.82	7 00	39.86	1.96	17
41.54	41.40	40.98	40.98	40.84	40.70	40.70	40.56	40.56	40.50	16 00	41.54	7 00	39.30	2.24	18
41.40	41.40	41.12	41.12	40.98	40.84	40.70	40.56	40.56	40.44	16 36	41.54	10 10	39.30	2.24	19
41.96	41.40	40.98	40.84	40.84	40.70	40.56	40.56	40.42	40.64	16 00	41.96	11 00	39.86	2.10	20
41.95	41.67	41.11	41.11	40.83	40.69	40.55	40.41	40.55	40.55	16 00	41.95	10 00	39.43	2.52	21
41.39	41.25	40.97	40.83	40.83	40.83	40.55	40.55	40.41	40.53	16 00	41.39	11 40	38.73	2.66	22
41.24	40.96	40.54	40.54	40.54	40.54	40.40	40.40	40.40	40.32	16 00	41.24	11 00	39.28	1.96	23
42.08	41.80	41.38	41.10	40.82	40.68	40.54	40.40	40.40	40.58	16 00	42.08	11 00	39.28	2.80	24
41.65	41.51	41.09	40.95	40.95	40.95	40.81	40.67	40.53	40.63	16 00	41.65	10 00	39.69	1.96	25
41.65	41.51	41.23	41.09	40.95	40.95	40.81	40.67	40.67	40.63	16 00	41.65	11 00	39.83	1.82	26
40.38	40.80	41.36	41.08	40.94	40.94	40.80	40.66	40.52	40.42	18 00	41.36	13 00	39.54	1.82	27
41.22	41.36	41.22	41.08	41.08	41.08	41.22	40.94	40.66	40.58	17 00	41.36	12 00	39.68	1.68	28
40.65	40.51	40.51	40.65	40.65	40.65	40.65	40.65	40.51	40.26	15 22	40.79	12 00	39.25	1.54	29
41.07	41.21	41.07	40.93	40.93	41.07	41.07	40.79	40.79	40.60	17 00	41.21	13 00	39.39	1.82	30
40.50	40.22	40.50	40.50	40.64	40.64	40.64	40.50	40.50	40.55	11 00	41.06	9 00	40.22	0.84	31
41.19	41.04	40.86	40.78	40.70	40.63	40.54	40.47	40.44	40.45	----------	41.55	----------	39.34	2.21	--------
40.79	40.91	40.85	40.74	40.68	40.65	40.54	40.43	40.43	40.48	----------	41.72	----------	39.65	2.07	--------

FEBRUARY, 1912. 0° East plus tabular quantities.

′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
41.06	41.20	41.06	40.92	40.78	40.64	40.50	40.50	40.36	40.62	17 28	41.34	6 47	40.08	1.26	1
41.48	41.34	40.92	40.78	40.64	40.22	40.08	40.08	40.22	40.46	17 00	41.62	11 00	39.52	2.10	2
41.17	41.03	40.47	40.33	40.19	40.05	40.05	40.05	40.05	39.99	16 00	41.17	12 00	38.23	2.94	3
40.99	40.85	40.57	40.29	40.01	40.01	39.87	39.73	39.73	40.01	15 36	41.13	11 00	38.75	2.38	4
40.96	40.82	40.54	40.40	40.26	40.12	40.12	39.98	39.84	40.07	16 00	40.96	10 10	39.28	1.68	5
41.48	40.92	40.64	40.36	40.22	40.08	40.08	39.94	39.94	40.10	16 00	41.48	11 00	38.54	2.94	6
40.33	40.47	40.61	40.47	40.33	40.19	40.05	40.19	40.19	39.61	18 00	40.61	12 33	37.39	3.22	7
40.71	40.85	40.71	40.57	40.43	40.29	40.01	39.87	39.73	40.00	17 00	40.85	12 00	38.61	2.24	8
40.57	40.71	40.43	40.29	40.15	40.15	40.01	40.01	40.01	39.73	17 00	40.71	12 00	37.77	2.94	9
41.14	40.72	40.58	40.44	40.30	40.16	40.16	40.02	39.74	40.15	16 00	41.14	12 32	39.46	1.68	10
40.31	40.17	40.03	40.17	40.03	39.89	39.89	39.75	39.89	39.78	16 05	40.45	11 41	38.77	1.68	11
40.60	40.74	40.60	40.46	40.18	40.04	39.90	39.76	39.90	39.88	17 11	40.88	10 33	38.64	2.24	12
40.75	40.47	40.33	40.19	40.33	40.33	40.19	40.19	40.19	40.14	15 34	41.03	10 40	39.35	1.68	13
40.76	40.62	40.34	40.34	40.34	40.34	40.20	40.34	40.20	39.94	15 25	40.90	11 00	38.24	2.66	14
40.77	40.49	40.21	40.07	39.93	39.93	39.93	39.79	39.93	39.71	16 00	40.77	11 56	38.25	2.52	15
40.92	40.64	40.78	40.64	40.50	40.36	40.22	40.22	40.08	40.11	16 00	40.92	11 22	39.24	1.68	16
41.49	41.49	40.93	40.65	40.51	40.37	40.23	40.09	40.09	40.21	16 30	41.63	9 00	39.25	2.38	17
40.66	40.52	40.38	40.24	40.24	40.10	40.10	40.10	39.96	40.01	16 00	40.66	12 40	38.42	2.24	18
41.24	41.38	40.96	40.68	40.54	40.26	40.12	40.12	40.12	40.25	17 00	41.38	12 37	39.28	2.10	19
40.13	40.41	40.55	40.69	40.55	40.41	40.27	40.27	40.13	39.93	19 00	40.69	13 00	38.73	1.96	20
40.14	40.42	40.42	40.28	40.28	40.28	40.14	40.14	40.00	40.06	17 43	40.56	14 00	39.44	1.12	21
40.57	40.71	40.71	40.57	40.43	40.43	40.29	40.15	40.15	40.03	17 50	40.85	8 54	39.31	1.54	22
40.30	40.44	40.30	40.44	40.44	40.44	40.30	40.30	40.44	40.20	16 33	40.58	13 00	39.60	0.98	23
40.87	41.15	41.15	40.73	40.59	40.45	40.45	40.31	40.17	40.46	17 08	41.29	13 00	39.61	1.68	24
40.88	40.88	40.46	(40.46)	(40.32)	(40.32)	(40.32)	(40.18)	(40.18)	40.34	15 25	41.16	7 43	39.48	1.68	25
40.19	40.47	40.19	40.19	40.19	40.33	40.19	40.19	40.19	39.90	17 00	40.47	13 00	38.79	1.68	26
40.34	40.48	40.48	40.34	40.34	40.34	40.20	40.20	40.20	40.05	8 00	40.76	12 11	38.80	1.96	27
40.21	40.35	40.49	40.49	40.35	40.35	40.21	40.21	40.21	40.26	8 00	40.77	12 14	39.51	1.26	28
40.22	40.36	40.36	40.36	40.36	40.22	40.22	40.22	40.22	40.27	10 00	40.64	6 24	39.80	0.84	29
40.73	40.73	40.56	40.44	40.34	40.24	40.15	40.10	40.07	40.08	----------	40.94	----------	38.97	1.97	--------
40.70	40.61	40.47	40.36	40.25	40.16	40.11	40.02	39.97	39.97	----------	40.89	----------	38.85	2.04	--------

HOURLY VALUES OF DECLINATION.

MARCH, 1912. 0° East plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	40.24	40.24	40.24	40.10	40.10	39.96	39.96	40.52	40.94	41.36	41.36	40.94	40.24	40.66	41.08
2	40.94	40.94	40.80	40.66	40.80	40.94	40.94	41.36	41.22	41.08	41.08	40.24	39.54	39.26	39.68
3	40.09	40.09	40.09	40.23	40.37	40.23	39.95	40.09	39.95	40.09	39.95	38.83	38.27	39.11	39.95
4[a]	40.37	40.37	40.23	40.09	39.95	39.81	39.95	40.51	40.51	40.23	39.67	38.97	38.13	38.83	39.39
5	39.94	40.08	40.08	40.22	40.22	40.08	39.94	39.94	39.80	40.22	40.36	40.08	39.66	39.94	40.08
6	40.07	39.93	40.21	40.21	40.35	40.21	39.79	39.93	39.79	39.65	39.51	38.81	38.25	38.81	39.23
7	40.21	40.35	40.35	40.35	40.21	40.07	40.07	40.63	41.47	41.89	41.75	40.77	40.21	40.21	40.35
8	40.20	40.20	40.06	40.06	40.20	40.20	39.92	40.20	40.20	40.06	40.06	40.20	39.64	39.92	40.34
9	40.33	40.05	40.19	40.47	40.75	41.03	40.33	40.61	40.47	40.33	40.19	39.21	39.07	39.21	40.05
10	40.19	40.33	40.33	40.33	40.75	40.47	40.61	41.03	41.17	41.03	40.89	40.19	39.91	40.19	40.19
11	40.60	40.74	40.74	40.32	40.46	39.90	39.62	40.04	40.60	40.46	40.46	40.46	40.18	40.18	40.74
12	40.17	40.31	40.31	40.31	40.17	39.61	39.75	40.45	40.73	40.73	40.59	40.17	39.19	39.19	39.33
13	40.59	40.73	40.59	40.45	40.17	39.89	39.75	40.17	40.73	40.87	40.73	40.31	39.47	39.33	39.61
14	40.44	40.44	40.44	40.30	40.16	39.88	39.74	40.44	41.28	41.70	41.56	40.58	39.74	39.60	39.88
15	40.44	40.58	40.30	40.16	40.02	40.16	40.44	41.28	41.84	42.12	41.98	40.58	38.90	39.04	39.32
16	40.44	40.44	40.30	40.16	40.16	40.30	40.72	41.28	41.70	41.84	42.26	41.56	39.74	39.60	40.16
17[a]	40.29	40.29	40.29	40.15	40.15	40.29	40.57	41.27	41.55	41.55	41.41	40.15	39.31	39.59	40.29
18[a]	40.42	40.42	40.28	40.28	40.28	40.14	40.28	41.40	41.82	41.54	40.98	40.14	38.88	38.74	39.30
19[a]	40.27	40.41	40.41	40.27	40.13	39.99	40.41	40.97	41.67	41.81	41.53	39.99	38.87	39.29	39.85
20	40.25	40.25	40.25	40.11	39.97	40.11	40.95	42.07	41.93	41.93	42.07	40.39	38.43	38.57	39.13
21	40.24	40.38	40.24	40.24	40.10	40.10	40.38	41.22	41.92	42.06	41.78	40.24	39.12	39.40	40.10
22	40.37	40.23	40.37	40.37	40.23	40.09	40.09	40.93	41.49	41.63	41.91	40.93	39.81	39.39	39.95
23	40.22	40.08	40.08	39.94	40.08	40.08	40.78	41.62	41.90	41.20	40.22	38.82	38.12	38.54	39.24
24[a]	40.34	40.20	40.20	40.34	40.20	40.06	40.20	40.62	41.18	41.32	41.04	40.06	39.50	39.08	39.36
25	40.33	40.33	40.33	40.19	40.19	40.05	39.91	40.19	40.75	41.31	41.03	40.19	39.21	39.07	39.35
26	40.32	40.46	40.60	40.60	40.46	40.04	40.60	41.86	42.98	42.84	41.58	40.32	39.48	39.48	39.76
27	40.31	40.45	40.45	40.31	40.17	40.03	40.45	41.29	41.99	41.57	40.87	39.33	38.63	38.91	39.47
28	40.43	40.57	40.57	40.43	40.29	40.15	40.57	41.27	41.69	41.55	40.71	39.59	38.89	38.61	38.89
29	40.28	40.42	40.42	40.28	40.14	40.14	40.56	40.98	41.54	41.68	42.10	41.40	39.86	39.44	40.00
30	40.83	40.41	40.55	40.27	40.13	40.13	40.69	41.11	40.83	40.55	39.99	39.29	38.45	38.45	39.15
31	40.11	40.25	40.25	40.25	40.11	39.83	40.39	40.95	41.09	40.67	40.39	39.55	38.85	38.71	39.41
Mean	40.33	40.35	40.34	40.27	40.24	40.13	40.27	40.85	41.18	41.19	40.97	40.07	39.21	39.30	39.76
Mean[a]	40.34	40.34	40.28	40.23	40.14	40.06	40.23	40.95	41.35	41.29	40.93	39.86	38.94	39.11	39.64

APRIL, 1912. 0° East plus tabular quantities.

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1[a]	40.09	40.23	40.37	40.37	40.09	39.95	40.37	40.93	41.35	41.07	40.09	39.11	38.69	38.83	39.95
2	40.50	40.50	40.50	40.64	40.64	40.36	40.50	41.20	41.90	41.90	40.50	39.66	39.24	39.10	39.66
3	40.63	40.77	40.77	40.77	40.63	40.49	40.91	41.47	42.03	42.31	42.17	41.05	39.51	39.09	39.93
4	40.34	40.48	40.62	40.76	40.62	40.20	39.92	40.06	40.20	41.04	40.90	40.48	40.06	40.20	40.76
5	40.61	40.75	40.75	40.75	40.61	40.05	39.63	39.91	40.19	40.05	39.77	39.49	39.49	39.63	39.77
6	40.88	41.02	40.74	40.60	40.60	40.60	40.74	40.60	40.04	39.90	39.90	39.90	39.34	39.06	39.34
7	40.86	41.00	40.86	40.72	40.58	40.30	40.16	40.72	41.28	41.56	40.58	40.16	39.88	39.88	40.16
8[a]	40.71	40.71	40.71	40.57	40.29	40.15	40.57	40.99	41.27	41.13	40.71	40.15	39.73	39.59	39.73
9	40.42	40.56	40.56	40.42	40.28	40.70	41.12	41.54	41.68	41.68	41.12	40.56	39.86	39.44	39.58
10	40.55	40.69	40.69	40.55	40.55	40.41	41.25	41.95	42.23	42.09	41.11	40.27	39.57	39.29	39.29
11[a]	40.39	40.39	40.25	40.25	40.11	39.97	40.39	41.23	41.09	40.25	39.41	38.85	38.57	38.85	39.55
12	40.38	40.52	40.52	40.52	40.66	40.94	41.64	41.22	40.80	40.38	39.54	38.70	38.42	38.84	39.40
13	40.51	40.65	40.65	40.65	40.65	40.79	41.49	41.77	41.63	40.93	39.25	38.69	38.83	39.25	39.81
14	40.36	40.36	40.36	40.50	40.64	40.92	42.04	42.04	40.64	39.80	39.66	39.38	39.66	40.08	40.64
15	40.48	40.76	40.62	40.76	40.48	40.90	41.46	41.74	40.90	40.34	39.92	39.36	39.36	39.36	40.48
16	40.47	40.61	40.75	40.61	40.75	41.03	41.31	41.17	40.19	38.93	38.09	37.81	38.37	39.21	40.19
17	40.18	40.60	40.60	40.60	40.74	41.16	42.00	42.00	41.30	40.60	39.90	39.62	39.76	40.04	40.32
18	40.58	40.58	40.44	40.72	40.72	40.86	41.14	41.42	41.14	40.44	39.46	38.62	38.62	38.76	39.46
19	40.42	40.56	40.56	40.56	40.70	41.26	41.40	41.26	40.84	40.14	39.30	38.60	38.74	39.02	39.72
20	40.41	40.55	40.55	40.55	40.69	41.11	41.53	41.11	40.83	40.41	39.43	39.01	39.15	39.15	39.57
21[a]	40.39	40.53	40.53	40.53	40.39	40.53	40.53	40.25	39.83	39.55	39.13	38.15	38.29	38.57	38.99
22	40.37	40.51	40.51	40.51	40.51	40.79	41.63	41.77	41.07	40.23	39.11	38.83	39.11	39.11	39.67
23	40.64	40.78	40.92	40.92	40.64	41.06	41.34	41.62	41.06	40.36	39.52	39.10	39.38	39.66	39.94
24	40.48	40.62	40.62	40.76	40.62	40.90	41.18	41.32	40.76	40.48	39.64	39.22	39.64	39.78	40.20
25	40.19	40.33	40.33	40.33	40.47	41.03	41.73	41.45	41.03	39.91	39.35	39.07	39.07	39.49	40.05
26	40.31	40.45	40.45	40.45	40.73	41.29	41.57	41.15	40.31	39.05	38.21	38.49	38.35	38.91	39.19
27	40.43	40.57	40.71	40.71	40.85	41.41	41.97	41.69	40.71	39.73	39.17	38.61	38.89	39.45	39.87
28[a]	40.55	40.69	40.83	40.83	40.69	41.25	41.81	41.81	41.11	40.13	39.29	38.73	39.01	39.57	39.85
29	40.54	40.68	40.82	40.82	40.96	41.66	42.08	41.80	40.96	39.56	38.58	38.44	38.72	38.86	39.56
30	40.38	40.52	40.66	40.66	40.66	41.50	42.34	42.62	41.78	40.24	38.84	38.14	38.14	38.42	38.84
Mean	40.47	40.60	40.61	40.61	40.58	40.79	41.19	41.33	41.00	40.47	39.72	39.21	39.12	39.28	39.78
Mean[a]	40.43	40.51	40.54	40.51	40.31	40.37	40.73	41.04	40.93	40.43	39.73	39.00	38.86	39.08	39.61

[a] Five international quiet days.

HOURLY VALUES OF DECLINATION.

MARCH, 1912. 0° East plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
40.66	40.94	41.22	41.08	40.94	40.94	40.94	40.94	40.94	40.69	10 25	41.50	6 39	39.82	1.68	1
39.96	40.24	40.38	40.38	40.38	40.24	40.24	40.10	40.10	40.48	8 00	41.36	13 33	39.12	2.24	2
40.51	40.79	40.65	40.65	40.51	40.23	40.23	40.23	40.23	40.06	17 00	40.79	13 00	38.27	2.52	3
39.81	40.23	40.37	40.37	40.23	40.23	40.09	39.95	39.95	39.93	8 12	40.65	13 00	38.13	2.52	4
40.50	40.92	40.92	40.64	40.50	40.26	40.22	40.22	40.08	40.21	17 21	41.06	12 47	39.52	1.54	5
39.93	40.35	40.49	40.35	40.21	40.21	40.21	40.21	40.21	39.87	18 00	40.49	13 00	38.25	2.24	6
40.49	40.49	40.49	40.49	40.35	40.35	40.21	40.07	40.21	40.50	10 35	42.03	6 26	39.79	2.24	7
40.62	40.76	40.76	40.34	40.20	40.34	40.20	40.06	40.20	40.20	18 27	41.04	13 00	39.64	1.40	8
40.47	40.75	40.47	40.33	40.19	40.05	40.33	40.19	40.05	40.21	6 00	41.03	13 14	38.93	2.10	9
40.75	40.61	40.47	40.33	40.47	40.33	40.47	40.33	40.61	40.50	9 00	41.17	13 00	39.91	1.26	10
40.88	40.60	40.18	40.18	40.32	40.46	40.32	40.18	40.18	40.37	16 00	40.88	6 21	39.48	1.40	11
39.61	40.03	40.17	40.17	40.17	40.31	40.45	40.45	40.59	40.12	9 09	40.87	13 10	39.05	1.82	12
39.61	40.17	40.45	40.17	40.31	40.45	40.45	40.31	40.31	40.23	10 00	40.87	14 00	39.33	1.54	13
40.30	40.58	40.44	40.30	40.16	40.30	40.44	40.44	40.30	40.39	10 00	41.70	14 00	39.60	2.10	14
39.88	40.16	40.30	40.44	40.58	40.58	40.44	40.30	40.30	40.42	10 34	42.26	13 34	38.76	3.50	15
40.44	40.58	40.58	40.44	40.44	40.30	40.16	40.16	40.30	40.59	11 16	42.54	13 19	39.18	3.36	16
40.85	40.99	40.71	40.43	40.29	40.29	40.15	40.15	40.29	40.47	10 37	41.69	13 00	39.31	2.38	17
39.86	40.42	40.56	40.42	40.42	40.42	40.28	40.14	40.28	40.32	9 00	41.82	14 00	38.74	3.08	18
40.41	40.69	40.83	40.69	40.55	40.41	40.41	40.27	40.27	40.43	10 25	41.95	13 00	38.87	3.08	19
39.83	40.39	40.53	40.53	40.53	40.39	40.25	40.25	40.25	40.39	10 54	42.21	13 00	38.43	3.78	20
40.24	40.38	40.38	40.52	40.52	40.38	40.24	40.24	40.38	40.45	10 33	42.20	13 00	39.12	3.08	21
40.37	40.65	40.51	40.37	40.37	40.23	40.23	40.37	40.37	40.47	10 35	42.05	13 20	39.25	2.80	22
39.94	40.22	40.22	40.22	40.36	40.36	40.36	40.22	40.36	40.13	9 00	41.90	13 00	38.12	3.78	23
40.34	40.90	40.62	40.34	40.34	40.34	40.20	40.20	40.34	40.30	10 00	41.32	14 09	38.94	2.38	24
40.05	40.61	40.33	40.19	40.19	40.05	40.05	40.19	40.33	40.18	10 00	41.31	14 00	39.07	2.24	25
40.18	40.60	40.32	40.18	40.32	40.32	40.32	40.18	40.32	40.59	9 21	43.12	13 08	39.34	3.78	26
40.17	40.45	40.31	40.17	40.17	40.17	40.17	40.31	40.45	40.28	9 00	41.99	13 00	38.63	3.36	27
39.31	40.15	40.01	40.01	39.87	39.87	40.01	40.01	40.15	40.15	9 35	41.83	14 00	38.61	3.22	28
40.70	40.98	40.56	40.28	40.14	40.14	40.14	40.28	40.42	40.54	11 00	42.10	14 00	39.44	2.66	29
39.99	40.41	40.13	40.13	40.13	39.99	39.99	40.13	40.13	40.08	8 00	41.11	13 17	38.31	2.80	30
40.25	40.67	40.25	40.11	40.11	39.97	39.97	39.97	39.97	40.09	9 00	41.09	14 00	38.71	2.38	31
40.22	40.54	40.47	40.36	40.33	40.29	40.26	40.23	40.29	40.31	----------	41.55	----------	39.02	2.53	--------
40.25	40.65	40.62	40.45	40.37	40.34	40.23	40.14	40.23	40.29	----------	41.49	----------	38.80	2.69	--------

APRIL, 1912. 0° East plus tabular quantities.

′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
40.51	40.65	40.51	40.37	40.23	40.23	40.23	40.23	40.37	40.20	9 00	41.35	13 18	38.41	2.94	1
40.50	41.20	40.73	40.64	40.64	40.50	40.36	40.36	40.50	40.51	9 48	42.04	14 00	39.10	2.94	2
40.77	40.91	40.49	40.35	40.35	40.21	40.21	40.21	40.35	40.68	10 21	42.45	14 00	39.09	3.36	3
41.18	40.90	40.48	40.34	40.34	40.34	40.20	40.20	40.48	40.46	16 00	41.18	7 00	39.92	1.26	4
40.33	40.89	40.75	40.47	40.33	40.47	40.61	40.75	40.89	40.29	17 27	41.03	12 09	39.35	1.68	5
39.90	40.60	40.74	40.46	40.32	40.60	40.60	40.74	40.74	40.33	1 39	41.16	13 47	38.92	2.14	6
40.72	40.86	40.72	40.44	40.44	40.44	40.44	40.58	40.72	40.59	9 45	41.70	13 36	39.74	1.96	7
40.01	40.29	40.29	40.29	40.29	40.29	40.29	40.29	40.29	40.39	9 00	41.27	13 54	39.45	1.82	8
40.00	40.42	40.42	40.28	40.14	40.14	40.28	40.28	40.42	40.50	9 38	41.82	14 00	39.44	2.38	9
40.13	41.39	41.25	40.41	40.27	40.13	40.13	40.13	40.27	40.61	9 00	42.23	14 15	39.15	3.08	10
40.53	41.37	40.81	40.53	40.25	40.11	40.11	40.11	40.25	40.15	17 00	41.37	13 12	38.43	2.94	11
40.24	40.94	40.80	40.52	40.38	40.38	40.24	40.24	40.38	40.28	7 16	41.78	12 39	38.28	3.50	12
40.51	41.21	41.07	40.65	40.37	40.37	40.23	40.23	40.37	40.44	8 33	41.91	12 00	38.69	3.22	13
41.06	40.92	40.64	40.36	40.22	40.08	40.08	40.08	40.36	40.45	7 30	42.32	12 00	39.38	2.94	14
41.04	41.46	40.48	40.62	40.06	39.92	39.78	40.06	40.34	40.44	8 00	41.74	13 28	38.80	2.94	15
41.17	41.03	40.47	40.61	40.33	40.19	40.19	40.05	40.19	40.16	16 25	41.87	11 57	37.67	4.20	16
41.02	40.88	40.60	40.32	40.32	40.32	40.32	40.46	40.32	40.58	7 48	42.14	12 00	39.62	2.52	17
40.86	41.56	41.14	40.72	40.44	40.30	40.16	40.30	40.44	40.37	17 00	41.56	12 42	38.48	3.08	18
40.56	40.98	40.84	40.42	40.28	40.28	40.28	40.42	40.42	40.32	7 00	41.40	12 08	38.46	2.94	19
40.13	40.69	40.83	40.41	40.27	40.27	40.41	40.41	40.27	40.32	7 21	41.67	12 33	38.87	2.80	20
39.83	40.39	40.39	40.39	40.39	40.39	40.39	40.39	40.39	39.96	6 30	40.67	12 16	38.01	2.66	21
40.23	40.65	40.51	40.37	40.23	40.23	40.37	40.51	40.51	40.31	8 00	41.77	12 00	38.83	2.94	22
40.50	40.64	40.50	40.36	40.22	40.22	40.08	40.22	40.50	40.42	8 00	41.62	12 18	38.96	2.66	23
40.62	40.90	40.48	40.34	40.20	40.20	40.20	40.06	39.92	40.34	8 00	41.32	12 00	39.22	2.10	24
40.61	40.89	40.47	40.19	40.19	40.05	40.19	40.19	40.19	40.28	7 24	41.87	11 58	38.93	2.94	25
40.45	41.15	40.87	40.45	40.31	40.17	40.17	40.17	40.31	40.12	7 00	41.57	11 00	38.21	3.36	26
40.43	40.99	40.71	40.43	40.29	40.15	40.15	40.29	40.43	40.36	7 00	41.97	12 00	38.61	3.36	27
40.55	40.97	40.55	40.41	40.27	40.27	40.13	40.13	40.41	40.41	7 38	42.09	12 18	38.59	3.50	28
40.26	40.96	40.68	40.40	40.26	40.26	40.12	40.12	40.26	40.31	7 00	42.08	12 35	38.30	3.78	29
39.68	40.38	40.52	40.38	40.38	40.24	40.10	40.10	40.24	40.24	8 00	42.62	12 24	38.00	4.62	30
40.48	40.90	40.66	40.43	40.30	40.26	40.24	40.28	40.38	40.36	----------	41.72	----------	38.83	2.89	--------
40.29	40.73	40.51	40.40	40.29	40.26	40.23	40.23	40.34	40.22	----------	41.35	----------	38.58	2.77	--------

HOURLY VALUES OF DECLINATION.

MAY, 1912. 0° East plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1 a	40.37	40.65	40.79	40.79	40.65	40.93	41.49	41.63	41.21	40.23	39.11	38.83	38.97	39.25	39.53
2	40.35	40.49	40.63	40.63	40.63	41.47	42.45	42.45	41.47	40.35	39.51	38.11	37.83	38.81	39.09
3	40.33	40.47	40.61	40.75	40.61	41.03	41.73	41.73	41.31	40.47	39.77	39.07	38.79	38.93	39.49
4	40.48	40.62	40.76	40.62	40.76	41.46	42.30	42.16	41.04	39.78	39.08	38.52	38.52	38.94	39.64
5	40.49	40.49	40.63	40.77	40.63	41.61	42.31	42.31	42.03	41.33	40.21	39.51	39.23	38.95	39.51
6	40.36	40.50	40.50	40.22	40.22	40.50	41.06	41.06	41.20	40.64	40.08	39.52	39.38	39.66	39.80
7	40.51	40.51	40.51	40.51	40.37	40.93	41.49	41.49	41.21	39.53	38.41	38.41	38.69	39.53	40.23
8	40.52	40.38	40.38	40.24	40.66	40.80	40.94	40.80	40.66	40.10	38.98	38.14	38.42	39.26	39.96
9	40.25	40.25	40.39	40.39	40.39	40.81	41,37	41.79	41.23	40.39	39.97	39.69	39.27	39.55	39.83
10	40.40	40.40	40.40	40.40	40.54	41.52	41.94	41.80	40.54	39.28	38.16	37.46	37.74	38.30	39.14
11	40.41	40.55	40.69	40.69	40.97	42.23	42.93	42.93	41.39	39.99	39.01	38.31	38.45	38.59	39.29
12	40.70	40.84	40.84	40.84	40.70	41.12	41.96	42.38	42.38	41.12	40.14	39.44	39.58	39.58	39.72
13	40.57	40.71	40.85	40.99	41.27	41.83	42.11	41.83	40.85	38.61	38.19	38.47	38.19	38.89	39.31
14	40.86	41.00	41.56	41.28	41.28	42.12	42.26	42.26	41.28	39.88	38.90	38.76	38.34	38.62	39.18
15	40.45	40.59	40.73	40.73	41.01	41.57	41.99	41.85	40.45	39.05	38.63	38.21	38.35	38.91	39.47
16 a	40.32	40.46	40.46	40.60	40.74	41.86	43.12	43.26	41.44	40.04	39.06	37.94	37.80	38.64	39.34
17	40.04	40.18	40.46	40.60	40.88	42.56	43.54	43.12	41.58	40.32	39.06	38.92	38.64	38.50	39.20
18	40.62	40.76	40.90	40.90	41.04	42.30	43.00	42.86	41.46	39.92	38.94	38.24	38.52	38.80	39.64
19	40.92	40.92	41.06	41.06	41.20	42.04	42.88	42.74	42.32	41.06	40.36	39.38	38.68	39.24	39.80
20	40.66	40.80	40.94	41.08	41.22	41.92	42.76	43.04	42.48	40.80	39.40	38.28	38.42	38.98	39.82
21	40.68	40.96	41.10	41.24	41.52	42.36	42.78	42.36	41.38	40.12	39.28	38.44	38.16	39.14	39.98
22 a	40.70	40.84	40.98	41.12	41.26	42.38	43.08	42.52	41.96	39.86	39.02	38.60	38.32	38.88	39.72
23 a	40.72	40.72	40.86	41.00	41.14	41.98	42.68	42.82	41.28	40.58	39.88	39.04	38.48	39.32	40.16
24	40.74	40.88	41.02	41.16	41.30	42.00	42.42	42.00	41.16	40.18	39.34	38.36	38.22	38.92	39.34
25	40.91	41.05	41.19	41.19	41.33	42.03	43.01	42.59	41.61	40.91	39.65	38.67	38.81	39.23	39.79
26 a	40.80	40.94	40.94	40.94	41.22	42.06	42.34	42.06	41.64	40.94	40.52	39.82	39.12	39.40	39.82
27	40.91	41.05	41.19	41.33	41.47	43.01	43.01	42.17	41.05	39.93	39.23	38.53	38.53	39.09	39.51
28	40.93	40.93	41.07	41.07	41.21	41.91	42.19	41.77	40.51	39.53	39.11	38.97	38.97	39.11	39.39
29	41.09	41.23	41.23	41.09	41.09	41.65	42.35	42.49	41.65	40.67	40.25	39.55	39.41	39.83	40.25
30	41.11	41.25	41.39	41.25	41.11	41.95	42.65	42.65	42.37	41.67	40.97	40.13	39.99	39.99	39.85
31	40.99	41.27	41.41	41.60	41.27	41.55	41.83	42.25	41.83	40.99	40.57	40.29	40.43	40.57	40.71
Mean	40.62	40.73	40.82	40.88	40.99	41.73	42.32	42.23	41.42	40.27	39.44	38.83	38.72	39.14	39.66
Mean a	40.58	40.72	40.81	40.89	41.00	41.84	42.54	42.46	41.51	40.33	39.52	38.85	38.54	39.10	39.71

JUNE, 1912. 0° East plus tabular quantities.

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	40.59	41.01	41.01	41.29	40.87	41.71	42.69	42.97	41.99	40.59	40.31	39.47	39.19	39.05	39.47
2	40.86	41.00	41.00	40.86	41.00	41.98	42.82	43.24	42.26	40.44	39.18	38.76	38.48	38.06	38.90
3	40.99	40.99	41.13	41.13	40.99	41.83	42.53	42.95	42.81	40.71	39.03	38.89	38.47	39.31	39.73
4	40.56	40.70	40.84	40.70	40.70	41.12	42.10	42.52	42.10	41.26	40.56	39.72	39.72	40.00	39.86
5 a	40.54	40.54	40.54	40.54	40.54	40.96	41.80	41.94	41.24	40.54	39.84	39.28	39.56	39.84	39.84
6 a	40.53	40.53	40.53	40.53	40.67	41.37	42.21	42.63	41.79	40.53	39.13	38.99	39.27	39.69	40.25
7	40.38	40.52	40.52	40.66	40.80	41.50	42.20	41.92	40.52	39.26	38.98	38.84	38.84	39.12	39.40
8	40.51	40.65	40.79	40.79	41.07	42.05	42.61	41.91	40.65	39.95	39.39	38.97	39.11	38.55	38.55
9	40.77	41.05	41.19	41.19	41.05	41.89	42.03	42.03	41.47	40.77	39.93	39.23	39.09	39.09	39.09
10	40.62	40.76	40.62	40.62	41.04	41.46	42.02	42.44	41.32	40.62	39.92	39.08	39.08	38.94	38.80
11	40.61	41.03	40.89	41.17	41.03	41.59	41.73	41.87	41.31	40.05	38.93	38.37	38.51	38.65	39.21
12	40.46	40.60	40.74	40.88	40.88	41.44	42.28	42.14	41.16	40.46	39.90	39.06	39.20	39.76	40.32
13	40.44	40.58	40.58	40.72	40.86	41.70	42.26	41.98	41.14	40.16	39.32	38.76	38.06	39.18	39.88
14	40.57	40.71	40.85	40.85	40.99	41.69	42.53	41.97	41.27	40.71	39.73	38.89	39.17	39.59	39.87
15 a	40.42	40.56	40.70	40.70	40.98	41.68	42.66	41.68	40.00	39.30	38.74	38.04	37.90	38.46	38.88
16	40.55	40.69	40.83	40.83	40.83	41.67	42.65	42.51	40.97	40.13	39.43	38.73	39.01	39.57	39.71
17	40.53	40.81	40.95	41.09	41.09	41.23	42.07	42.63	42.35	41.79	40.67	40.25	40.11	39.97	39.97
18	40.53	40.81	40.67	40.81	40.67	41.23	42.07	41.93	41.23	40.39	39.55	39.13	38.85	39.55	39.97
19 a	40.15	40.29	40.43	40.43	40.71	41.13	42.25	42.39	40.99	39.87	39.59	38.75	38.47	38.75	39.45
20 a	40.27	40.27	40.41	40.41	40.55	41.11	41.67	41.53	41.11	40.97	40.27	39.43	39.15	38.87	39.29
21	40.40	40.54	40.54	40.68	40.82	40.96	41.52	41.38	41.10	40.68	40.12	39.70	39.56	39.70	38.72
22	40.52	40.66	40.80	40.94	41.08	41.22	41.64	41.92	40.94	40.24	39.96	38.98	39.26	39.54	39.96
23	40.93	41.07	41.21	40.93	40.93	41.91	43.17	43.59	42.33	41.35	40.09	38.83	38.13	38.27	38.97
24	40.63	40.63	40.91	40.91	41.05	41.61	42.45	42.31	41.61	40.91	39.79	39.51	39.51	39.65	39.79
25	40.34	40.34	40.48	40.62	40.76	41.46	42.16	42.16	40.90	39.08	38.24	37.82	37.96	38.80	39.78
26	40.46	40.46	40.46	40.60	40.74	41.30	42.14	42.00	41.16	40.46	39.48	38.22	37.94	38.08	38.78
27	40.17	40.31	40.31	40.17	40.17	41.01	41.85	42.41	41.99	41.01	39.75	38.77	38.49	38.91	39.33
28	40.29	40.15	40.29	40.43	40.57	41.55	42.53	42.67	42.11	41.41	40.57	39.73	39.59	40.01	40.29
29	40.00	40.14	40.28	40.70	40.84	41.68	42.52	42.52	41.54	41.12	40.56	39.86	39.58	38.88	39.02
30	39.98	40.40	40.26	40.68	40.96	41.66	42.36	42.22	41.52	40.54	39.98	39.14	39.00	38.86	39.28
Mean	40.49	40.63	40.69	40.76	40.84	41.49	42.25	42.28	41.43	40.51	39.70	39.04	38.94	39.16	39.48
Mean a	40.38	40.44	40.52	40.52	40.60	41.25	42.12	42.03	41.03	40.24	39.51	38.90	38.87	39.12	39.54

a Five international quiet days.

HOURLY VALUES OF DECLINATION.

MAY, 1912. 0° East plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
39.81	40.51	40.23	40.23	40.23	40.23	40.23	40.23	40.37	40.27	8 00	41.63	12 00	38.83	2.80	1
39.79	40.63	40.63	40.49	40.21	40.21	40.07	40.07	40.07	40.27	7 22	42.59	13 00	37.83	4.76	2
40.33	40.39	40.75	40.47	40.33	40.19	40.19	40.33	40.47	40.38	7 36	41.87	13 00	38.79	3.08	3
40.34	40.62	40.34	40.34	40.34	40.34	40.34	40.34	40.34	40.33	7 20	42.44	13 00	38.52	3.92	4
39.65	40.35	40.21	40.63	40.21	40.07	40.07	40.21	40.07	40.48	7 35	42.59	14 00	38.95	3.64	5
40.22	40.22	40.08	40.50	40.50	40.36	40.22	40.08	40.50	40.31	9 00	41.20	13 00	39.38	1.82	6
40.37	40.79	40.37	40.37	40.51	40.37	40.37	40.23	40.37	40.25	7 18	41.63	12 10	38.27	3.36	7
40.52	41.36	41.22	40.52	40.52	40.24	40.24	40.10	40.24	40.22	17 00	41.36	12 44	38.00	3.36	8
40.39	40.95	40.67	40.39	40.39	40.25	40.25	40.25	40.39	40.40	8 00	41.79	13 00	39.27	2.52	9
40.26	41.10	40.68	40.54	40.26	40.12	40.12	40.26	40.26	40.07	7 00	41.94	12 00	37.46	4.48	10
40.13	40.41	40.13	40.13	40.27	40.27	40.41	40.41	40.55	40.38	7 43	43.07	12 00	38.31	4.76	11
40.42	40.56	40.14	40.00	40.14	40.14	40.28	40.28	40.42	40.57	8 33	42.52	12 17	39.16	3.36	12
39.87	40.43	40.43	40.29	39.87	39.87	40.01	40.29	40.57	40.18	7 25	42.25	10 22	38.05	4.20	13
40.16	40.30	40.02	39.88	39.74	40.02	39.88	40.16	40.30	40.34	6 51	42.40	13 00	38.34	4.06	14
39.75	40.31	40.17	40.03	39.89	39.89	39.89	40.03	40.17	40.09	7 00	41.99	12 00	38.21	3.78	15
40.32	41.02	40.46	40.32	40.18	40.04	39.90	39.90	39.90	40.30	8 00	43.26	12 18	37.66	5.60	16
39.76	39.90	40.18	40.32	40.32	40.46	40.32	40.32	40.46	40.40	7 00	43.54	14 00	38.50	5.04	17
40.34	40.62	40.48	40.34	40.34	40.34	40.48	40.62	40.76	40.51	7 00	43.00	12 26	38.10	4.90	18
40.08	40.50	40.36	40.36	40.36	40.36	40.36	40.50	40.50	40.71	7 00	42.88	13 00	38.68	4.20	19
40.38	40.80	40.66	40.52	40.52	40.38	40.38	40.52	40.52	40.64	8 00	43.04	12 00	38.28	4.76	20
40.68	40.96	40.82	40.68	40.40	40.26	40.26	40.40	40.54	40.60	7 00	42.78	12 28	38.02	4.76	21
40.28	40.56	40.56	40.70	40.56	40.42	40.56	40.56	40.70	40.59	7 00	43.08	12 44	38.18	4.90	22
40.44	40.86	40.44	40.44	40.30	40.30	40.44	40.58	40.72	40.63	8 00	42.82	13 00	38.48	4.34	23
40.04	40.32	40.32	40.46	40.60	40.46	40.46	40.60	40.74	40.46	7 00	42.42	13 00	38.22	4.20	24
40.07	40.49	40.63	40.49	40.49	40.35	40.49	40.63	40.63	40.68	7 00	43.01	12 18	38.53	4.48	25
40.38	40.80	40.89	40.75	40.61	40.47	40.47	40.61	40.75	40.76	7 00	42.34	13 00	39.12	3.22	26
39.93	40.49	40.35	40.35	40.35	40.35	40.49	40.63	40.77	40.57	6 24	43.15	13 11	38.39	4.76	27
40.09	40.79	40.93	40.93	40.79	40.65	40.65	40.65	40.79	40.54	7 00	42.19	13 13	38.83	3.36	28
40.53	40.67	40.25	40.53	40.39	40.53	40.53	40.67	40.81	40.78	8 00	42.49	12 38	39.27	3.22	29
39.99	40.55	40.55	40.55	40.69	40.55	40.55	40.69	40.83	40.97	7 46	42.79	15 18	39.71	3.08	30
40.85	40.99	40.43	40.15	40.15	40.29	40.43	40.43	40.43	40.91	8 00	42.25	19 33	40.01	2.24	31
40.20	40.64	40.46	40.41	40.34	40.28	40.30	40.37	40.48	40.47	----------	42.46	----------	38.56	3.90	--------
40.25	40.75	40.52	40.49	40.38	40.29	40.32	40.38	40.49	40.51	----------	42.62	----------	38.45	4.17	--------

JUNE, 1912. 0° East plus tabular quantities.

′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
40.73	40.59	40.73	40.87	40.73	40.45	40.45	40.59	40.73	40.75	8 00	42.97	14 00	39.05	3.92	1
39.88	40.16	40.44	40.58	40.58	40.58	40.72	40.72	40.86	40.56	8 00	43.24	14 00	38.06	5.18	2
39.73	40.01	40.01	40.29	40.43	40.57	40.43	40.29	40.57	40.58	8 00	42.95	13 00	38.47	4.48	3
40.00	40.00	40.14	40.42	40.56	40.56	40.56	40.56	40.56	40.66	8 00	42.52	12 12	39.58	2.94	4
40.12	40.82	40.54	40.40	40.26	40.26	40.40	40.40	40.40	40.46	8 00	41.94	12 00	39.28	2.66	5
40.67	40.81	40.53	40.25	40.25	40.39	40.39	40.39	40.39	40.53	8 00	42.63	12 00	38.99	3.64	6
40.10	40.80	40.52	40.38	40.24	40.24	40.24	40.24	40.38	40.28	7 00	42.20	12 22	38.70	3.50	7
39.25	39.67	39.67	39.67	39.53	39.81	40.09	40.09	40.51	40.16	7 36	42.75	14 39	38.41	4.34	8
39.65	39.79	40.07	40.35	40.21	40.35	40.35	40.35	40.49	40.48	6 50	42.17	13 51	38.95	3.22	9
39.36	39.92	40.20	40.20	40.06	40.06	40.20	40.34	40.48	40.34	8 00	42.44	14 28	38.66	3.78	10
39.49	39.49	39.63	39.77	39.91	40.05	40.05	40.19	40.33	40.16	7 44	42.01	12 00	38.37	3.64	11
40.46	40.04	39.90	40.04	39.90	40.04	40.18	40.32	40.46	40.44	7 00	42.28	12 00	39.06	3.22	12
40.30	40.44	40.02	40.16	40.16	40.16	40.16	40.30	40.44	40.32	7 00	42.26	13 00	38.06	4.20	13
40.57	40.85	40.71	40.29	40.15	40.15	40.29	40.29	40.43	40.55	7 00	42.53	12 00	38.89	3.64	14
39.44	39.86	40.14	40.14	40.28	40.28	40.28	40.42	40.56	40.09	7 00	42.66	13 00	37.90	4.76	15
39.71	39.71	39.85	40.13	40.27	40.41	40.41	40.41	40.55	40.40	7 00	42.65	12 00	38.73	3.92	16
40.11	40.53	40.67	40.39	40.25	40.11	39.97	40.11	40.39	40.75	8 00	42.63	14 15	39.83	2.80	17
40.43	40.29	40.15	40.15	40.29	40.15	40.01	40.01	40.15	40.38	7 00	42.07	13 00	38.85	3.22	18
39.87	40.01	39.73	40.15	40.29	40.29	40.29	40.29	40.15	40.20	7 42	42.53	13 12	38.33	4.20	19
39.99	40.41	40.27	40.13	39.99	40.13	40.27	40.27	40.27	40.29	7 00	41.67	13 44	38.73	2.94	20
39.28	39.42	39.56	39.84	39.84	40.12	40.26	40.40	40.40	40.23	7 00	41.52	15 00	38.72	2.80	21
40.10	40.10	40.10	40.10	39.96	39.96	40.24	40.38	40.80	40.39	7 36	42.06	12 00	38.98	3.08	22
39.39	39.53	39.67	39.67	39.81	40.23	40.23	40.23	40.37	40.45	8 00	43.59	13 00	38.13	5.46	23
39.79	39.65	39.79	40.21	40.21	40.35	40.35	40.35	40.35	40.51	7 00	42.45	11 52	39.37	3.08	24
40.20	40.34	40.20	40.20	40.06	40.20	40.20	40.34	40.34	40.12	7 33	42.30	12 00	37.82	4.48	25
39.48	40.04	40.32	40.32	40.32	40.46	40.32	40.18	40.18	40.16	7 00	42.14	13 00	37.94	4.20	26
39.61	39.89	40.03	40.03	40.03	39.89	39.89	40.03	40.17	40.18	8 00	42.41	13 00	38.49	3.92	27
40.29	40.57	40.29	40.15	40.15	40.01	39.87	40.01	40.01	40.56	8 00	42.67	13 00	39.59	3.08	28
39.44	40.00	39.86	40.14	40.14	40.28	40.00	39.86	40.14	40.38	7 28	42.80	14 00	38.88	3.92	29
39.84	40.26	40.40	40.54	40.26	40.12	40.26	40.26	40.26	40.38	7 00	42.36	14 00	38.86	3.50	30
39.91	40.13	40.14	40.20	40.17	40.22	40.25	40.29	40.40	40.39	----------	42.45	----------	38.72	3.73	--------
40.02	40.38	40.24	40.21	40.21	40.27	40.33	40.35	40.35	40.31	----------	42.29	----------	38.65	3.64	--------

HOURLY VALUES OF DECLINATION.

JULY, 1912. 0° East plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	40.24	40.38	40.38	40.52	40.66	41.64	42.76	43.46	42.76	41.08	39.40	38.70	38.00	38.56	39.40
2	40.37	40.51	40.51	40.51	40.65	41.77	42.33	42.33	41.63	41.07	39.67	38.41	38.27	39.11	39.11
3	40.08	40.08	40.22	40.22	40.36	41.34	42.18	42.46	42.18	41.34	40.64	39.80	39.52	39.52	39.38
4	40.09	40.51	40.79	40.79	41.07	41.63	42.33	41.91	41.07	40.79	40.51	40.09	39.39	38.97	38.55
5	40.51	40.65	40.65	40.79	40.79	41.07	42.05	42.05	41.63	40.79	40.09	39.25	39.25	39.11	38.97
6	40.37	40.51	40.79	40.79	41.07	40.65	41.49	41.63	41.77	41.77	41.07	40.51	39.67	39.25	39.39
7	40.09	40.23	40.37	40.51	40.37	40.51	41.07	41.77	41.49	41.07	40.23	39.39	38.97	39.11	39.39
8	40.24	40.38	40.52	40.66	40.24	40.38	40.94	41.50	42.06	40.94	40.24	39.40	38.56	39.12	39.26
9	40.38	40.52	40.66	40.66	40.38	40.94	41.92	42.20	41.64	40.66	39.54	38.84	38.98	39.26	39.40
10[a]	40.24	40.38	40.38	40.24	40.38	40.80	41.92	42.34	41.78	40.80	40.10	39.54	39.26	39.26	39.40
11[a]	40.24	40.38	40.52	40.52	40.80	41.50	41.92	41.50	39.96	38.84	38.00	37.86	37.30	38.00	38.84
12[a]	40.11	40.25	40.25	40.25	40.39	40.95	42.07	42.07	40.81	39.97	38.85	38.15	38.15	38.85	40.25
13	40.11	40.25	40.39	40.53	40.67	41.65	42.07	41.79	40.81	39.41	38.43	37.73	37.59	38.29	39.55
14	40.11	40.25	40.39	40.39	40.53	40.95	42.07	42.07	41.51	40.81	40.11	39.41	39.13	39.55	40.11
15[a]	(40.11)	(40.11)	(40.25)	(40.25)	(40.39)	(40.95)	(42.07)	41.93	41.09	40.53	40.25	39.69	39.13	38.99	39.41
16	40.53	40.67	40.67	40.81	40.95	41.65	42.49	42.07	40.95	39.55	38.85	38.15	37.87	38.01	38.85
17	40.08	40.22	40.22	40.22	40.50	41.90	42.18	41.90	41.48	40.36	39.66	39.24	39.10	39.10	39.38
18	40.19	40.19	40.47	40.61	40.75	41.45	42.29	41.87	41.08	40.05	39.35	38.09	38.51	39.07	39.35
19	40.31	40.31	40.45	40.59	40.73	41.57	42.69	42.41	41.71	40.73	39.61	38.35	38.21	38.49	38.91
20	40.42	40.56	40.56	40.56	40.70	41.54	42.94	43.50	41.96	40.70	39.44	39.30	39.16	39.58	39.72
21	40.26	40.40	40.40	40.26	40.54	41.38	42.64	42.92	41.24	39.00	37.32	37.18	37.18	37.32	38.44
22	40.23	40.37	40.37	40.23	40.23	40.65	41.49	41.91	41.21	40.37	39.39	38.97	38.55	38.97	39.25
23	39.93	40.21	40.21	40.21	40.35	41.19	41.19	40.21	39.51	38.53	38.39	38.67	38.67	38.81	38.81
24[a]	40.04	40.18	40.18	40.04	40.18	41.16	42.00	42.28	42.00	40.60	39.20	38.08	38.36	39.06	39.90
25	39.88	40.02	40.02	40.16	40.30	41.28	41.70	41.42	40.86	40.44	40.44	40.02	39.74	39.88	40.16
26	40.13	40.41	40.69	40.55	40.83	41.67	42.51	41.39	40.83	39.99	39.15	38.17	37.89	38.17	39.01
27	39.96	40.24	40.38	40.52	40.52	41.36	42.62	42.34	41.08	40.52	39.54	39.12	38.56	38.84	39.40
28	39.93	40.07	40.35	40.21	40.35	41.05	41.05	40.35	39.93	39.23	38.53	37.55	37.83	38.39	39.23
29	39.90	39.90	40.04	40.04	40.32	40.88	41.30	41.72	41.72	40.32	38.08	37.38	37.52	37.94	38.50
30	39.73	39.87	40.01	40.15	40.43	41.13	41.83	41.69	40.71	40.01	39.17	38.33	37.91	38.89	39.31
31	39.71	39.99	40.13	40.27	40.41	41.11	41.39	40.13	38.31	37.61	37.19	36.77	37.19	37.89	39.01
Mean	40.15	40.29	40.39	40.42	40.54	41.22	41.98	41.91	41.18	40.25	39.37	38.71	38.50	38.82	39.28
Mean[a]	40.15	40.26	40.32	40.26	40.43	41.07	42.00	42.02	41.13	40.15	39.28	38.66	38.44	38.83	39.56

AUGUST, 1912. 0° East plus tabular quantities.

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	40.38	40.66	41.08	40.80	41.22	41.78	41.78	41.50	40.52	39.82	38.00	37.16	37.44	38.70	39.26
2	39.79	39.93	39.93	40.07	40.35	41.05	41.47	40.77	40.07	39.65	39.23	38.95	38.55	38.95	39.23
3	40.33	40.33	40.47	40.47	40.47	40.61	40.61	40.47	39.63	39.35	38.79	38.79	38.65	39.35	39.63
4[a]	40.06	40.20	40.34	40.34	40.62	41.04	42.16	42.30	41.18	39.36	37.40	36.56	36.56	37.12	37.96
5	40.20	40.34	40.48	40.48	40.62	41.04	41.46	41.60	40.90	40.20	38.94	38.24	37.82	38.24	38.80
6	40.34	40.48	40.62	40.76	40.90	41.46	42.30	41.32	40.34	39.50	38.38	37.68	37.40	38.80	39.36
7	39.78	39.78	39.78	40.06	40.20	40.76	40.76	40.20	39.08	38.80	38.38	37.54	37.96	38.24	38.80
8[a]	40.21	40.35	40.49	40.49	40.63	40.91	41.19	41.05	40.21	38.95	38.11	37.13	36.85	38.39	39.65
9	40.21	40.21	40.35	40.35	40.21	41.05	42.03	42.17	41.61	40.21	39.37	38.53	38.81	39.23	39.37
10	40.07	40.21	40.49	40.49	40.63	40.91	41.19	40.77	40.21	39.93	39.51	39.51	39.51	39.65	39.93
11	40.07	40.21	40.21	40.21	40.35	40.63	40.77	40.77	40.21	39.93	39.65	39.37	38.67	38.81	38.81
12[a]	40.08	40.22	40.22	40.36	40.64	41.76	42.32	41.34	39.10	37.42	36.02	36.44	37.14	38.26	39.94
13[a]	40.08	40.08	40.22	40.36	40.50	41.20	41.48	41.20	40.22	38.82	37.28	37.70	37.70	38.26	39.38
14	40.22	40.36	40.50	40.50	40.64	41.62	42.32	41.06	39.10	38.12	37.00	37.98	38.68	39.94	40.22
15	39.94	40.08	40.22	40.36	40.50	41.34	41.34	40.08	38.96	38.12	37.84	37.98	37.98	38.68	39.66
16	40.22	40.22	40.22	40.36	40.50	41.06	41.76	42.04	41.48	40.22	38.54	38.68	39.38	39.94	40.22
17	39.94	40.08	40.08	40.22	40.50	41.20	41.62	41.20	39.38	37.70	37.42	37.70	38.23	38.12	38.54
18	39.93	40.21	40.21	40.21	40.35	41.05	41.89	41.89	41.05	40.07	38.81	37.97	38.11	38.95	39.65
19	39.92	40.06	40.20	39.92	39.36	40.06	40.76	40.34	39.64	39.08	38.38	39.50	39.92	39.78	39.92
20	40.19	40.05	39.91	39.91	39.91	40.61	41.45	41.31	40.75	39.21	37.39	37.11	37.67	38.37	39.35
21	39.90	40.04	40.18	40.32	40.46	41.16	41.86	41.86	40.88	39.48	38.50	37.38	37.52	38.36	39.34
22	39.75	39.89	40.03	40.17	40.45	41.01	41.85	41.71	40.73	39.33	37.93	37.93	37.79	39.05	40.03
23	39.89	40.03	40.45	39.75	40.45	40.59	41.57	41.99	41.57	40.17	38.77	37.79	38.21	38.63	39.19
24	40.16	40.16	40.16	40.44	40.44	40.86	41.70	41.56	41.00	40.02	38.06	36.80	37.08	37.64	39.04
25	40.02	40.16	40.30	40.44	40.72	41.14	41.56	41.70	40.72	39.32	37.92	37.36	38.20	39.32	40.02
26[a]	39.87	40.15	40.43	40.57	40.71	40.99	41.27	40.71	39.59	38.61	37.91	37.07	37.35	38.19	39.03
27	40.01	40.15	40.43	40.57	40.57	40.99	41.41	40.85	39.87	38.75	37.21	37.21	38.33	39.31	39.59
28	40.28	40.28	40.14	40.84	40.84	41.26	41.96	41.54	40.14	38.74	37.90	37.06	37.76	38.74	39.58
29	40.14	40.28	40.56	40.56	40.70	41.40	42.24	41.96	40.98	39.58	37.76	36.50	35.94	36.92	38.32
30	40.13	40.27	40.41	40.69	40.97	42.37	42.93	41.81	39.99	38.45	37.47	36.77	36.77	37.75	38.45
31	39.71	39.85	39.99	40.41	40.69	41.67	42.51	41.95	39.85	38.31	36.91	36.35	36.49	37.89	39.29
Mean	40.06	40.17	40.29	40.37	40.52	41.12	41.66	41.32	40.29	39.20	38.09	37.70	37.90	38.63	39.34
Mean[a]	40.06	40.20	40.54	40.42	40.62	41.18	41.68	41.32	40.06	38.63	37.34	36.98	37.12	38.04	39.19

[a] Five international quiet days.

HOURLY VALUES OF DECLINATION.

JULY, 1912. 0° East plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
40.10	40.52	40.24	40.10	40.10	40.10	40.24	40.24	40.38	40.42	8 00	43.46	13 00	38.00	5.46	1
39.81	40.23	40.09	39.95	39.95	39.95	39.81	39.95	40.09	40.25	8 20	42.47	12 32	38.13	4.34	2
39.24	39.38	39.80	39.94	39.66	39.66	39.80	39.94	40.22	40.29	8 00	42.46	16 00	38.24	3.22	3
38.55	39.11	39.53	39.39	39.53	39.53	39.81	40.09	40.51	40.19	8 11	42.61	3 51	38.27	4.34	4
38.83	39.25	39.67	39.67	39.67	39.95	40.37	40.09	40.23	40.22	7 14	42.19	16 00	38.83	3.36	5
39.53	39.67	39.67	39.81	39.95	39.81	39.81	39.67	39.81	40.35	8 38	41.91	14 00	39.25	2.66	6
39.81	39.95	39.81	39.67	39.81	39.81	39.95	39.95	40.09	40.14	8 00	41.77	13 00	38.97	2.80	7
39.40	39.54	39.68	39.82	39.82	39.96	40.10	40.10	40.24	40.13	9 00	42.06	13 00	38.56	3.50	8
39.96	40.52	40.10	39.96	39.96	39.96	39.96	40.10	40.24	40.28	8 00	42.20	12 00	38.84	3.36	9
40.10	40.24	40.10	39.82	39.82	39.96	39.96	40.10	40.10	40.29	8 00	42.34	13 25	39.12	3.22	10
39.68	39.82	39.68	39.68	39.68	39.68	39.68	39.82	39.96	39.74	7 00	41.92	1 00	37.30	4.62	11
40.53	40.39	39.83	39.55	39.55	39.83	39.83	39.83	39.97	40.03	7 46	42.21	12 32	38.01	4.20	12
40.11	40.25	40.11	39.97	39.83	39.69	39.69	39.83	39.97	39.95	7 00	42.07	13 00	37.59	4.48	13
40.39	40.25	(40.11)	(40.11)	(39.97)	(39.97)	(39.97)	(39.97)	(40.11)	40.34	7 38	42.21	13 13	38.99	3.22	14
40.25	40.53	40.53	40.25	40.25	40.39	40.39	40.39	40.53	40.36	7 00	(42.07)	14 00	38.99	3.08	15
39.69	39.97	39.41	39.41	39.55	39.69	39.83	39.97	40.11	39.99	7 00	42.49	13 00	37.87	4.62	16
39.66	40.22	40.22	39.94	39.66	39.66	39.94	40.08	39.94	40.20	6 29	42.32	14 12	38.96	3.36	17
39.49	39.77	40.05	39.77	39.91	40.05	40.05	40.19	40.19	40.11	7 00	42.29	12 00	38.09	4.20	18
39.33	39.47	39.75	39.89	39.89	40.03	40.17	40.31	40.45	40.18	7 00	42.69	13 00	38.21	4.48	19
40.00	40.14	39.86	39.72	39.72	39.86	39.86	40.00	40.14	40.41	8 00	43.50	13 00	39.16	4.34	20
39.70	40.26	40.12	39.84	39.84	39.70	39.84	39.98	40.12	39.83	8 00	42.92	11 48	37.04	5.88	21
40.37	40.65	40.09	39.81	39.95	39.95	40.09	39.95	40.09	40.13	8 00	41.91	13 00	38.55	3.36	22
39.51	40.07	39.93	39.79	39.79	39.79	39.93	40.07	40.07	39.74	6 18	41.33	11 00	38.39	2.94	23
40.18	40.04	39.62	39.48	39.48	39.62	39.76	39.90	39.90	40.05	8 00	42.28	12 00	38.08	4.20	24
40.72	41.14	40.86	40.30	40.16	40.16	40.02	39.88	40.02	40.40	7 00	41.70	13 00	39.74	1.96	25
39.85	40.27	40.13	40.13	39.99	39.71	39.71	39.71	39.85	40.03	7 00	42.51	13 00	37.89	4.62	26
39.82	39.82	39.82	39.96	39.68	39.68	39.82	39.68	39.82	40.13	7 00	42.62	13 00	38.56	4.06	27
40.21	40.63	40.49	39.93	39.93	39.79	39.79	39.79	39.79	39.77	6 46	41.19	12 14	37.41	3.78	28
39.34	39.62	39.90	39.90	39.76	39.76	39.76	39.62	39.62	39.70	8 40	41.86	12 00	37.38	4.48	29
40.15	40.85	40.99	40.15	39.87	39.87	39.59	39.59	39.59	39.99	7 17	41.97	13 00	37.91	4.06	30
39.15	39.71	40.13	39.71	39.29	39.29	39.29	39.57	39.99	39.30	7 00	41.39	12 00	36.77	4.62	31
39.79	40.07	40.01	39.85	39.81	39.83	39.90	39.95	40.07	40.09	----------	42.23	----------	38.33	3.90	--------
40.15	40.20	39.95	39.76	39.76	39.90	39.92	40.01	40.09	49.09	----------	42.16	----------	38.30	3.86	--------

AUGUST, 1912. 0° East plus tabular quantities.

′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
39.82	40.10	40.10	39.26	39.26	39.40	39.40	39.54	39.68	39.86	6 34	41.92	12 20	37.02	4.90	1
39.79	40.35	40.07	39.79	39.79	39.93	39.93	40.07	40.21	39.93	7 00	41.47	13 14	38.81	2.66	2
40.05	40.19	40.19	40.05	40.05	39.91	39.91	39.91	40.05	39.93	6 14	40.75	13 00	38.65	2.10	3
38.80	39.50	39.78	39.92	40.06	40.06	40.06	40.06	40.06	39.65	8 00	42.30	12 19	36.42	5.88	4
39.22	39.50	39.64	39.78	39.78	39.92	39.92	40.06	40.20	39.89	8 00	41.60	13 00	37.82	3.78	5
40.20	40.20	40.48	40.20	40.48	40.48	40.20	39.64	39.92	40.06	7 00	42.30	12 18	37.26	5.04	6
39.64	39.92	40.06	39.92	39.78	39.78	39.92	39.92	40.06	39.55	6 46	40.90	12 00	37.54	3.36	7
39.93	40.07	40.07	40.07	39.93	39.93	39.79	39.93	40.07	39.77	7 00	41.19	12 40	36.71	4.48	8
39.51	39.65	39.93	39.93	39.79	39.65	39.65	39.79	39.93	40.06	8 00	42.17	12 00	38.53	3.64	9
40.21	40.21	40.07	39.79	39.79	39.65	39.65	39.79	39.93	40.09	7 00	41.19	11 28	39.37	1.82	10
39.65	40.21	40.21	40.07	39.93	39.93	39.93	40.07	40.07	39.95	6 49	40.91	13 00	38.67	2.24	11
40.50	40.64	40.22	39.94	39.80	39.94	39.94	39.94	40.08	39.68	7 00	42.32	11 18	35.88	6.44	12
39.94	40.64	40.64	40.22	40.08	40.08	39.94	40.08	40.22	39.85	7 00	41.48	11 00	37.28	4.20	13
40.08	39.80	40.08	39.94	39.80	39.66	39.94	39.80	39.94	39.89	7 00	42.32	11 00	37.00	5.32	14
40.50	40.78	40.50	39.94	40.08	40.08	39.94	39.94	40.08	39.79	3 23	41.48	11 00	37.84	3.64	15
40.50	40.78	40.78	40.22	39.94	39.94	39.94	39.80	39.80	40.27	8 00	42.04	11 12	38.40	3.64	16
39.38	40.50	41.06	40.64	40.22	39.94	39.80	39.80	39.80	39.71	7 00	41.62	11 15	37.28	4.34	17
40.77	40.91	40.63	40.21	40.21	40.07	39.93	39.79	39.93	40.12	7 28	42.03	12 24	37.83	4.20	18
40.20	40.48	40.76	40.48	40.48	40.06	40.20	39.92	40.06	39.98	7 31	40.90	11 00	38.38	2.52	19
40.05	40.89	40.89	40.33	40.05	39.91	39.77	39.63	39.77	39.77	7 00	41.45	12 00	37.11	4.34	20
39.62	40.18	40.32	39.90	39.90	39.76	39.62	39.62	39.62	39.82	7 52	42.00	12 00	37.38	4.62	21
40.73	40.73	40.17	39.89	39.75	39.89	40.03	40.03	39.75	39.93	7 00	41.85	13 00	37.79	4.06	22
39.75	40.17	40.17	39.75	39.61	39.47	39.89	39.75	40.03	39.90	8 00	41.99	12 00	37.79	4.20	23
40.02	40.72	40.30	39.74	39.74	39.74	39.74	39.88	40.02	39.79	7 00	41.70	12 00	36.80	4.90	24
40.44	40.44	40.30	39.88	39.88	39.60	39.60	39.74	39.74	39.94	8 00	41.70	12 00	37.36	4.34	25
39.73	40.15	40.01	40.01	39.87	39.87	39.73	39.73	39.87	39.64	7 00	41.27	12 00	37.07	4.20	26
39.87	39.87	39.73	39.87	39.73	39.59	40.01	39.73	39.87	39.73	7 00	41.41	11 14	37.07	4.34	27
40.00	40.56	40.14	39.58	39.72	39.58	39.58	39.72	39.86	39.82	7 00	41.96	12 00	37.06	4.90	28
40.00	40.70	40.56	40.14	40.00	39.86	39.86	40.00	40.14	39.81	7 19	42.38	13 00	35.94	6.44	29
39.29	39.71	39.85	39.71	39.71	39.85	39.71	39.71	39.57	39.68	7 00	42.93	12 23	36.63	6.30	30
39.99	39.85	39.71	39.71	39.57	39.57	39.71	39.71	39.85	39.56	7 26	42.65	12 22	36.21	6.44	31
39.94	40.27	40.24	39.96	39.90	39.84	39.85	39.84	39.94	39.85	----------	41.75	----------	37.45	4.30	--------
39.78	40.20	40.14	40.03	39.95	39.98	39.89	39.95	40.06	39.72	----------	41.71	----------	36.67	5.04	--------

HOURLY VALUES OF DECLINATION.

SEPTEMBER, 1912. 0° East plus tabular quantities.

DAY.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	39.84	39.98	39.84	40.54	40.68	41.66	42.64	42.50	40.96	39.42	38.02	37.04	37.04	37.88	38.72
2[a]	39.98	40.12	40.26	40.40	40.54	40.96	42.08	42.36	42.08	41.38	39.98	38.86	38.44	38.58	39.28
3	40.12	40.26	40.26	40.40	40.51	40.82	41.52	41.38	40.12	39.42	38.58	38.16	37.88	38.30	39.28
4	39.97	40.11	40.25	40.39	40.53	41.23	41.79	41.09	40.39	39.55	38.99	38.71	38.29	38.71	39.41
5	39.96	40.24	40.24	40.24	40.10	40.38	40.80	40.66	40.24	39.26	38.70	38.28	38.28	38.70	39.54
6	39.81	39.67	39.67	39.81	40.09	40.65	41.07	41.35	40.09	38.69	37.99	37.85	37.99	38.55	39.39
7	39.94	39.94	40.08	40.08	40.22	40.36	40.92	40.92	40.08	39.94	39.38	38.68	39.10	39.66	40.22
8	39.80	39.94	40.08	40.36	40.50	41.20	41.48	40.50	39.24	38.26	37.84	37.84	38.54	39.38	39.80
9	39.93	40.07	40.49	40.63	40.77	41.47	42.17	41.33	39.51	37.83	36.57	36.15	36.57	37.83	39.23
10	39.93	40.07	40.21	40.21	40.35	41.75	42.73	41.61	40.07	38.81	37.55	36.71	36.99	38.11	39.37
11	39.64	39.64	39.78	39.92	40.34	41.88	42.02	39.92	37.12	35.86	34.88	35.02	36.28	37.96	39.50
12	39.92	39.92	40.06	40.20	40.34	41.74	42.72	41.46	40.06	38.66	37.54	37.40	37.96	38.80	39.50
13	39.63	39.77	39.91	40.05	40.19	41.45	42.29	41.87	40.19	38.93	37.81	37.53	37.95	39.07	40.05
14	39.91	39.91	40.05	40.33	40.47	40.89	41.17	40.75	39.49	38.23	37.67	37.81	38.23	39.21	40.61
15[a]	40.04	40.04	40.04	40.04	40.04	40.74	41.58	41.72	41.16	40.32	39.62	38.64	38.08	39.20	39.76
16[a]	40.04	40.04	40.18	40.32	40.46	40.88	41.86	41.58	40.46	38.92	37.80	37.66	36.96	37.24	38.36
17	40.46	40.46	40.46	40.46	40.46	40.88	41.44	41.44	40.88	40.18	39.20	38.08	37.94	39.20	39.62
18	40.31	40.59	40.59	40.17	40.45	40.31	41.01	40.87	40.03	39.19	38.91	38.49	38.63	39.47	40.73
19	40.30	40.30	40.16	40.16	40.02	40.58	41.56	41.42	40.02	38.76	37.92	38.20	38.62	39.32	40.30
20	40.14	40.14	40.14	40.28	40.42	40.98	41.96	41.54	40.28	39.16	38.18	37.90	37.90	38.74	39.72
21	40.27	40.41	40.27	40.27	40.41	40.97	41.95	42.23	41.53	40.41	39.15	38.03	37.75	38.45	39.29
22	40.12	39.84	39.70	39.84	39.84	40.26	41.24	41.10	40.26	39.14	38.72	38.30	38.72	39.28	40.54
23	39.68	39.68	40.10	40.24	40.38	40.38	40.52	40.24	39.68	39.12	38.28	38.28	38.84	39.54	40.52
24	40.37	40.37	40.37	40.51	40.51	40.65	41.07	40.79	40.23	39.39	39.25	39.11	39.25	39.95	41.21
25	39.80	39.80	39.66	39.80	39.66	41.06	41.76	40.92	40.08	39.10	37.70	37.84	37.98	39.24	40.22
26	39.92	39.92	39.92	40.06	40.20	40.62	41.32	41.88	41.60	40.20	38.52	37.26	37.68	38.94	39.78
27[a]	40.05	40.05	40.19	40.19	40.19	40.19	40.47	40.47	39.91	39.21	38.09	37.25	37.53	37.95	39.07
28[a]	40.04	40.18	40.32	40.32	40.18	40.04	40.32	40.74	40.32	40.04	39.90	39.20	38.50	38.78	39.34
29	40.16	40.16	40.16	40.02	39.88	39.74	39.88	40.44	40.44	40.44	39.74	39.04	38.34	38.62	39.32
30	40.01	40.15	40.29	40.43	40.29	39.87	40.29	40.57	40.57	41.27	40.85	39.59	39.03	39.31	39.87
Mean	40.00	40.06	40.12	40.22	40.30	40.82	41.45	41.19	40.24	39.30	38.44	37.96	38.04	38.80	39.72
Mean [a]	40.03	40.09	40.20	40.25	40.28	40.56	41.26	41.37	40.79	39.97	39.08	38.32	37.90	38.35	39.16

OCTOBER, 1912. 0° East plus tabular quantities.

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	39.99	40.13	40.27	40.27	40.13	39.85	40.27	40.41	40.27	40.27	40.27	39.29	39.01	39.01	39.43
2[a]	40.13	40.27	40.41	40.41	40.27	40.55	40.55	40.41	39.85	39.85	39.01	38.73	39.01	39.29	39.71
3	40.27	40.27	40.13	39.99	39.85	39.29	40.83	40.97	40.69	40.55	40.27	39.15	39.43	40.13	40.27
4	39.98	39.98	39.98	39.84	39.70	39.56	40.12	40.68	40.68	40.54	40.54	39.56	39.00	39.14	39.56
5[a]	39.83	39.83	39.69	39.55	39.41	39.41	40.25	40.67	40.67	40.11	39.83	38.71	38.29	38.85	39.27
6	39.96	39.96	39.82	39.68	39.54	39.54	39.82	40.38	40.38	39.96	40.24	39.12	38.98	39.40	40.10
7	39.95	40.09	40.09	39.81	39.67	39.67	40.37	41.63	41.77	41.21	40.51	39.11	38.69	38.97	39.67
8	39.93	39.93	39.79	39.51	39.37	39.65	40.49	41.33	41.05	40.77	40.35	39.23	38.95	38.95	39.09
9	39.92	39.92	39.78	39.64	39.50	39.22	39.50	40.20	40.48	39.64	38.38	37.82	37.96	38.94	39.64
10	39.77	39.77	39.91	39.91	39.91	40.19	40.75	41.31	41.03	40.33	38.79	37.53	37.67	38.93	39.77
11	39.76	39.76	39.76	39.76	39.62	39.62	40.32	40.60	40.32	39.62	39.34	39.20	39.20	39.34	39.48
12	40.03	40.03	39.89	39.75	39.61	39.61	39.75	40.45	40.45	40.03	39.47	38.91	38.91	39.47	40.17
13	39.74	39.88	39.88	39.74	39.74	39.46	40.02	40.30	40.30	39.74	39.46	38.90	38.48	38.76	39.18
14	39.59	39.59	39.59	39.59	39.45	39.31	39.87	40.43	40.43	39.59	39.45	39.03	39.17	39.59	40.43
15	39.72	39.16	39.44	38.88	38.46	39.30	39.16	39.44	39.72	39.86	39.02	38.88	39.44	40.00	40.56
16	40.00	39.86	40.28	40.14	39.58	39.86	40.00	39.86	39.44	39.02	38.88	38.88	38.88	39.44	39.86
17	39.45	39.87	39.87	39.59	39.59	39.73	40.01	40.57	40.15	38.89	38.05	38.61	38.89	39.03	39.45
18[a]	39.75	39.61	39.61	39.61	39.47	39.75	40.45	40.73	40.59	40.31	39.89	39.75	39.33	39.19	39.61
19[a]	39.63	39.63	39.63	39.63	39.63	39.49	39.77	40.05	39.91	39.21	38.79	38.93	39.21	39.35	40.19
20	39.93	40.07	40.07	40.07	39.93	40.07	40.35	40.49	40.21	39.51	39.09	39.09	39.37	39.65	40.35
21	40.08	40.22	40.36	40.08	39.80	39.38	39.24	39.80	40.22	39.80	39.10	39.24	39.38	39.38	39.52
22	40.24	40.24	40.38	40.38	40.10	39.96	39.96	40.10	40.10	39.82	39.68	39.54	39.82	40.24	40.38
23	40.12	40.12	40.12	40.12	40.12	39.70	39.42	38.72	38.30	37.88	38.02	38.58	39.14	39.70	40.40
24	40.27	40.41	40.41	40.41	40.27	40.13	39.85	39.57	39.43	39.15	39.29	39.29	39.71	39.99	40.41
25	40.15	40.29	40.43	40.43	40.15	39.73	39.59	39.59	39.45	39.31	39.31	39.59	40.01	40.01	40.57
26	40.03	40.17	40.17	40.31	40.17	40.31	40.45	40.45	40.03	39.61	39.33	39.89	39.89	40.45	40.73
27	40.05	40.19	40.33	40.47	40.47	40.61	40.61	40.47	40.05	39.35	39.07	39.21	39.35	39.49	39.91
28	40.20	40.34	40.34	40.48	40.48	40.34	40.20	40.34	40.48	40.34	39.92	40.20	39.78	39.64	39.78
29	40.35	40.35	40.49	40.35	40.21	39.79	39.79	40.35	40.21	40.07	39.93	39.65	39.93	40.35	40.49
30	40.23	40.23	40.37	40.37	40.09	39.95	40.23	40.65	40.65	40.23	39.25	39.11	39.67	40.23	40.23
31[a]	40.10	39.96	39.96	39.96	39.96	39.82	39.96	40.52	40.80	40.52	39.68	39.26	39.68	40.38	40.66
Mean	39.97	40.00	40.04	39.96	39.81	39.79	40.06	40.37	40.26	39.84	39.43	39.10	39.17	39.53	39.96
Mean [a]	39.89	39.86	39.86	39.83	39.75	39.80	40.20	40.48	40.36	40.00	39.44	39.08	39.10	39.41	39.80

[a] Five international quiet days.

HOURLY VALUES OF DECLINATION.

SEPTEMBER, 1912. 0° East plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	MEAN.	Maximum.		Minimum.		Range.	Day.
′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
39.56	40.40	39.98	39.84	39.84	39.84	39.84	39.84	39.84	39.82	7 35	42.79	12 19	36.90	5.89	1
40.12	40.54	40.12	39.84	39.84	39.84	39.84	39.98	39.98	40.22	8 00	42.36	13 00	38.44	3.92	2
39.98	40.40	39.84	39.56	39.70	39.70	39.70	39.84	39.84	39.82	7 34	41.66	13 00	37.88	3.78	3
39.97	39.97	39.55	39.97	39.83	39.69	39.55	39.55	39.69	39.88	7 00	41.79	13 00	38.29	3.50	4
40.10	40.10	39.68	39.82	39.68	39.54	39.54	39.68	39.82	39.72	7 25	40.94	12 13	38.14	2.80	5
39.53	39.67	39.81	39.81	39.67	39.67	39.67	39.81	39.81	39.59	8 00	41.35	12 00	37.85	3.50	6
40.50	40.22	39.94	39.80	39.66	39.66	39.52	39.52	39.66	39.92	7 33	41.06	12 00	38.68	2.38	7
40.64	40.64	40.08	39.94	39.94	39.80	39.66	39.66	39.80	39.79	7 00	41.48	11 14	37.70	3.78	8
40.21	40.77	40.07	39.79	40.21	39.79	39.65	39.65	39.79	39.60	7 24	42.31	12 00	36.15	6.16	9
40.35	40.77	40.35	40.07	39.93	39.93	39.79	39.79	39.65	39.80	7 00	42.73	12 21	36.57	6.16	10
40.76	40.90	40.34	40.06	40.06	39.92	39.92	39.92	39.92	39.23	7 00	42.02	11 00	34.88	7.14	11
40.20	40.34	39.50	39.78	39.64	39.50	39.50	39.50	39.50	39.74	7 00	42.72	12 00	37.40	5.32	12
40.61	40.75	40.05	39.91	40.05	40.05	40.05	40.05	40.05	39.93	7 00	42.29	12 00	37.53	4.76	13
41.17	41.17	40.47	40.19	40.05	39.91	39.91	39.91	39.91	39.89	16 33	41.31	11 11	37.53	3.78	14
40.46	40.74	40.32	40.18	40.32	40.32	40.18	40.04	40.04	40.15	8 00	41.72	13 00	38.08	3.64	15
39.48	40.32	40.46	40.46	40.60	40.60	40.46	40.46	40.46	39.84	7 00	41.86	13 00	36.96	4.90	16
40.18	40.32	40.32	40.46	40.60	40.60	40.60	40.60	40.74	40.23	7 30	41.58	13 00	37.94	3.64	17
41.15	40.87	40.45	40.59	40.45	40.31	40.03	40.17	40.31	40.17	16 00	41.15	12 00	38.49	2.66	18
40.86	40.58	40.44	40.30	40.16	40.16	40.16	40.16	40.02	40.02	7 00	41.56	11 00	37.92	3.64	19
40.56	40.56	40.42	40.42	40.42	40.28	40.14	40.00	40.14	40.02	7 00	41.96	12 20	37.76	4.20	20
40.13	40.13	39.99	39.99	39.99	39.99	39.99	39.85	39.99	40.06	7 35	42.37	13 00	37.75	4.62	21
40.68	40.40	39.98	39.84	39.70	39.56	39.56	39.56	39.70	39.83	7 00	41.24	12 00	38.30	2.94	22
40.80	40.52	39.96	39.68	39.54	39.54	39.68	39.82	40.10	39.80	16 00	40.80	11 47	38.14	2.66	23
41.49	41.21	40.79	40.09	39.81	39.67	39.53	39.67	39.81	40.21	16 00	41.49	12 00	39.11	2.38	24
40.50	40.36	39.52	39.52	39.66	39.66	39.80	39.80	39.80	39.72	7 13	41.90	11 43	37.56	4.34	25
40.48	40.62	40.06	39.92	39.92	39.92	39.92	39.92	39.92	39.94	8 00	41.88	12 00	37.26	4.62	26
39.77	40.19	39.91	39.91	39.91	39.91	39.91	39.91	40.05	39.60	7 39	40.61	12 00	37.25	3.36	27
40.04	40.46	40.18	39.90	39.90	39.90	39.76	39.90	40.04	39.93	8 00	40.74	13 00	38.50	2.24	28
39.88	40.44	40.30	39.88	39.74	39.88	39.74	39.74	39.88	39.83	8 27	40.58	13 00	38.34	2.24	29
40.57	40.43	40.15	40.01	39.87	39.87	39.73	39.73	39.87	40.11	10 17	41.41	13 00	39.02	2.38	30
40.36	40.49	40.10	39.98	39.96	39.90	39.84	39.87	39.94	39.88	----------	41.66	----------	37.75	3.91	--------
39.97	40.45	40.20	40.06	40.11	40.11	40.03	40.06	40.11	39.95	----------	41.46	----------	37.85	3.61	--------

OCTOBER, 1912. 0° East plus tabular quantities.

′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
40.69	40.55	40.27	39.85	39.57	39.71	39.71	39.71	40.13	39.96	16 11	40.83	13 37	38.87	1.96	1
39.85	39.85	39.85	39.99	39.85	39.85	39.85	39.99	40.13	39.90	7 28	40.69	12 00	38.73	1.96	2
40.13	39.85	39.71	39.71	39.71	39.71	39.71	39.85	39.90	40.05	8 00	40.97	12 20	39.01	1.96	3
40.12	40.40	40.12	39.98	39.84	39.84	39.84	39.84	39.84	39.94	10 44	40.82	13 00	39.00	1.82	4
39.69	39.55	39.55	39.83	40.11	39.97	39.97	39.97	40.11	39.71	8 18	40.81	13 00	38.29	2.52	5
40.38	40.38	39.96	39.68	39.68	39.68	39.68	39.82	39.82	39.83	16 48	40.52	13 00	38.98	1.54	6
40.09	40.09	39.95	39.81	39.67	39.53	39.67	39.95	40.09	40.00	9 00	41.77	13 00	38.69	3.08	7
39.51	39.79	39.93	39.79	39.65	39.65	39.65	39.65	39.79	39.82	8 00	41.33	13 46	38.81	2.52	8
40.34	40.48	40.06	40.06	39.92	39.78	39.64	39.64	39.78	39.59	16 33	40.62	12 16	37.68	2.94	9
40.47	40.33	40.05	39.91	39.77	39.63	39.49	39.63	39.77	39.78	8 00	41.31	12 00	37.53	3.78	10
39.76	40.18	40.04	40.04	39.90	39.76	39.62	39.76	40.18	39.79	8 00	40.60	12 42	39.06	1.54	11
40.45	40.31	40.17	40.17	40.03	39.89	39.75	39.61	39.75	39.86	16 33	40.59	12 19	38.77	1.82	12
39.74	40.16	39.74	40.02	39.88	39.74	39.60	39.60	39.60	39.65	8 36	40.58	13 26	38.20	2.38	13
40.85	40.29	40.43	40.15	40.01	40.15	39.59	39.59	39.73	39.83	16 00	40.85	12 14	38.89	1.96	14
40.84	40.56	40.28	40.14	40.00	40.00	39.86	40.00	39.58	39.68	16 00	40.84	4 44	37.62	3.22	15
40.28	40.14	40.28	40.00	39.86	39.72	39.72	39.58	39.58	39.71	2 22	40.42	11 11	38.74	1.68	16
39.73	39.73	39.87	40.01	39.73	39.73	39.73	39.73	39.87	39.58	8 00	40.57	11 08	37.91	2.66	17
40.03	40.17	40.17	40.03	39.89	39.75	39.75	39.75	39.75	39.87	8 00	40.73	14 00	39.19	1.54	18
40.47	40.33	40.05	39.91	39.91	39.91	39.77	39.91	39.91	39.72	16 00	40.47	11 00	38.79	1.68	19
40.63	40.35	40.21	40.21	39.93	39.79	39.79	39.93	39.93	39.96	16 00	40.63	12 12	38.95	1.68	20
39.66	39.80	39.94	39.94	39.94	39.94	39.80	39.94	40.08	39.78	3 00	40.36	11 00	39.10	1.26	21
40.52	40.52	40.38	40.24	40.10	39.82	39.68	39.82	39.96	40.08	17 14	40.66	12 00	39.54	1.12	22
40.40	40.26	40.26	40.12	39.98	39.84	39.84	39.98	40.26	39.64	15 31	40.54	10 00	37.88	2.66	23
40.55	40.41	40.13	39.99	39.99	39.85	39.85	39.85	39.99	39.97	16 00	40.55	10 00	39.15	1.40	24
40.71	40.57	40.43	40.15	39.87	39.73	39.73	39.87	39.87	39.98	16 00	40.71	11 24	39.17	1.54	25
40.87	40.45	40.17	40.17	40,17	40.03	39.89	40.03	40.03	40.16	16 00	40.87	11 00	39.33	1.54	26
40.61	40.75	40.47	40.19	40.19	39.91	39.91	39.91	40.05	40.07	17 00	40.75	11 00	39.07	1.68	27
40.48	40.34	40.20	40.06	39.92	40.06	40.06	40.06	40.20	40.18	16 21	40.62	13 13	39.50	1.12	28
40.77	40.63	40.49	40.35	40.21	40.07	40.07	39.93	40.07	40.20	16 00	40.77	12 00	39.65	1.12	29
40.51	40.37	40.37	40.23	40.23	40.09	39.95	39.95	40.09	40.14	9 24	40.79	12 00	39.11	1.68	30
40.66	40.52	40.52	40.52	40.52	40.38	40.10	40.10	40.10	40.19	9 21	40.94	12 00	39.26	1.68	31
40.32	40.26	40.13	40.04	39.94	39.86	39.78	39.84	39.94	39.89	----------	40.76	----------	38.79	1.97	--------
40.14	40.08	40.03	40.06	40.06	39.97	39.89	39.94	40.00	39.88	----------	40.73	----------	38.85	1.88	--------

HOURLY VALUES OF DECLINATION.

NOVEMBER, 1912. 0° East plus tabular quantities.

DAY.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	40.12	40.26	40.26	40.12	40.12	39.98	40.40	40.68	40.54	39.98	39.14	38.72	39.00	39.28	39.98
2	39.99	39.99	39.99	39.99	39.85	39.57	39.15	39.43	39.43	39.29	39.01	39.01	39.15	39.29	39.43
3[a]	39.59	39.59	39.59	39.73	39.59	39.45	39.17	39.59	40.01	40.01	39.87	39.59	39.45	39.17	39.45
4	39.75	39.75	39.75	39.61	39.33	39.19	39.47	39.89	40.03	39.89	39.33	39.05	39.19	39.19	39.19
5	39.91	39.77	39.63	39.49	39.35	39.21	39.21	39.77	39.77	39.63	39.21	39.49	39.49	39.91	40.19
6	39.93	39.93	39.79	39.65	39.65	39.51	39.51	39.51	39.51	39.09	38.53	39.37	40.07	40.63	40.77
7	39.67	39.67	39.53	39.53	39.39	39.39	39.53	39.67	39.53	39.25	38.83	39.11	39.25	39.53	39.53
8	39.69	39.69	39.55	39.55	39.41	39.41	39.55	39.97	39.97	39.27	39.27	39.13	39.27	39.69	40.11
9	39.85	39.71	39.71	39.71	39.57	39.57	39.57	39.85	39.99	39.85	39.71	39.57	39.99	40.27	40.69
10	39.73	39.73	39.73	39.59	39.73	39.45	39.31	39.59	39.45	39.45	39.17	39.17	39.31	40.01	40.71
11	39.75	40.03	39.47	39.33	39.47	39.61	39.89	40.31	40.59	40.45	40.03	40.03	40.31	40.59	40.73
12[a]	39.49	39.49	39.63	39.63	39.77	40.05	40.47	40.89	40.75	40.19	39.77	39.49	39.63	39.91	40.05
13	39.79	39.93	39.93	39.93	39.79	39.65	39.65	40.49	40.91	40.77	40.07	39.51	39.51	39.79	40.35
14	39.95	39.95	39.81	39.81	39.81	39.67	39.39	39.81	39.95	40.23	40.65	40.79	40.79	40.79	40.79
15	39.97	40.11	39.97	39.69	40.11	39.41	39.27	39.41	39.41	39.41	39.55	40.25	40.95	40.81	40.81
16	40.12	40.12	40.12	39.84	39.56	39.42	39.14	39.42	39.56	39.28	39.28	39.28	39.98	40.82	40.68
17	40.09	40.09	40.09	40.09	40.09	39.95	39.81	39.95	40.23	39.67	39.39	39.67	40.09	39.67	40.09
18	40.06	40.06	39.92	39.92	39.64	39.50	40.06	40.76	40.90	40.20	39.92	40.06	40.34	40.20	40.76
19	40.18	40.04	40.04	40.04	40.04	39.90	39.48	39.76	40.18	40.18	39.48	39.20	39.34	39.76	40.18
20	39.87	39.87	39.87	40.01	39.73	39.59	39.45	39.73	39.87	40.01	39.59	39.59	40.15	40.71	40.71
21[a]	39.98	39.98	39.98	39.84	39.70	39.56	39.28	39.28	39.42	39.56	39.42	39.42	40.40	40.68	40.12
22	39.96	39.96	39.96	39.82	39.68	39.40	39.54	39.96	40.66	41.08	40.66	40.80	41.08	40.94	40.80
23	39.79	39.79	39.65	39.51	39.23	38.95	38.11	38.25	38.67	38.95	39.51	39.51	40.07	40.63	40.77
24	39.76	39.76	39.90	39.76	39.62	39.48	39.20	39.62	40.32	40.32	39.90	39.76	40.32	40.46	40.60
25	39.60	39.74	39.74	39.60	39.60	39.46	39.32	39.32	39.60	39.74	39.46	39.60	39.88	40.44	40.58
26	39.57	39.71	39.71	39.57	39.57	39.43	39.01	39.15	39.43	39.29	38.73	38.31	38.45	39.29	40.27
27	39.82	39.82	39.68	39.54	39.68	39.54	39.26	39.54	39.68	39.82	39.96	40.52	40.38	40.24	40.52
28	39.94	39.80	39.94	39.80	39.52	39.38	38.82	38.82	39.10	39.38	39.80	39.66	39.94	39.80	40.08
29[a]	39.77	39.91	39.91	39.77	39.49	39.35	39.21	39.35	39.49	39.49	39.35	39.21	39.63	39.63	40.05
30[a]	39.88	39.88	39.88	39.74	39.60	39.60	39.18	39.46	39.74	40.16	39.46	39.32	39.46	39.46	40.02
Mean	39.85	39.87	39.82	39.74	39.66	39.52	39.41	39.71	39.89	39.80	39.54	39.54	39.83	40.05	40.30
Mean[a]	39.74	39.77	39.80	39.74	39.63	39.60	39.46	39.71	39.88	39.88	39.57	39.41	39.71	39.77	39.94

DECEMBER, 1912. 0° East plus tabular quantities.

	′	′	′	′	′	′	′	′	′	′	′	′	′	′	′
1	39.86	39.72	39.58	39.58	39.44	39.44	39.16	39.44	39.72	39.30	39.30	39.58	39.86	39.72	39.86
2	39.71	39.71	39.71	39.57	39.43	39.43	39.29	39.29	39.71	40.41	40.27	40.55	40.41	40.27	40.27
3	40.10	39.96	40.10	39.82	39.96	39.68	38.98	39.26	39.40	39.12	39.12	39.26	39.54	39.82	40.10
4[a]	39.51	39.37	39.23	39.09	38.81	38.67	38.81	39.23	39.79	39.79	39.65	39.51	39.79	39.93	40.07
5[a]	39.48	39.48	39.48	39.48	39.34	39.20	39.06	39.34	39.76	40.04	40.32	40.32	40.04	39.20	39.62
6	39.45	39.45	39.45	39.31	39.17	38.89	38.75	39.03	40.29	40.29	40.15	39.73	39.87	40.01	39.59
7	39.41	39.41	39.55	39.13	38.85	38.01	37.45	37.73	38.85	39.83	40.53	40.39	40.95	40.53	40.11
8	39.24	39.10	38.96	38.82	38.68	38.26	37.56	37.84	38.68	39.66	40.22	40.22	40.22	40.36	40.50
9	39.49	39.49	39.35	39.21	39.07	38.93	38.65	38.93	39.21	38.79	38.79	39.21	39.91	39.91	40.19
10	39.32	39.32	39.18	39.18	39.18	39.04	38.76	38.34	38.48	38.76	39.04	39.32	39.46	39.60	39.74
11	38.86	39.00	39.14	39.14	39.28	39.86	38.30	38.72	39.14	39.56	39.70	39.98	40.12	40.26	40.26
12	39.53	39.67	39.81	39.95	39.81	39.53	38.83	39.11	39.53	38.97	39.25	38.83	38.69	39.11	39.67
13	39.50	39.50	39.50	39.36	39.22	39.08	38.66	38.66	38.66	38.80	38.66	38.80	38.80	38.94	39.22
14	39.33	39.19	39.19	39.19	39.19	39.19	38.77	38.49	38.63	39.05	39.33	38.63	38.21	38.63	39.05
15	39.44	39.44	39.44	39.44	39.30	39.02	38.74	38.60	38.46	38.60	38.74	39.30	39.30	39.58	39.58
16	39.40	39.26	39.12	39.12	38.98	38.84	38.42	38.28	38.42	38.56	39.12	39.40	39.54	39.68	40.10
17	39.81	39.81	39.95	39.95	39.81	39.81	39.39	38.69	38.97	39.39	39.11	38.83	38.69	38.83	39.11
18	39.21	39.21	39.21	39.07	39.07	38.93	38.51	38.93	39.35	39.77	40.19	40.05	40.05	39.91	39.63
19	39.03	38.89	38.89	38.75	38.75	38.75	38.61	38.61	38.61	38.47	39.03	39.45	39.45	39.17	38.61
20[a]	38.85	38.85	38.71	38.71	38.71	38.57	38.29	38.43	38.71	39.27	40.11	40.53	39.27	38.43	38.71
21[a]	38.81	38.67	38.67	38.67	38.67	38.53	37.55	37.83	38.39	39.09	39.51	39.23	39.23	39.23	39.09
22	38.92	38.78	38.64	38.64	38.78	38.50	37.80	38.22	38.64	39.62	39.90	39.90	39.90	39.76	39.34
23	38.88	38.74	38.74	38.60	38.88	38.18	37.48	37.06	37.76	38.04	38.60	39.02	39.44	39.72	39.86
24	38.84	38.84	38.98	38.98	38.84	38.28	37.58	37.72	38.00	38.56	39.12	39.40	39.68	39.96	39.82
25	39.08	39.22	39.36	39.22	39.22	39.08	38.38	37.82	38.38	38.66	38.66	38.66	38.52	39.08	39.08
26	38.90	38.90	38.90	39.04	38.90	38.76	38.34	38.20	38.34	38.48	38.62	38.76	38.90	39.18	39.46
27	38.87	38.87	38.87	38.87	39.01	39.01	38.31	38.59	38.45	38.87	38.59	38.31	38.31	38.45	38.59
28[a]	38.97	38.97	39.11	39.11	38.97	38.83	37.57	37.71	38.13	38.69	38.83	38.41	38.55	38.97	39.39
29	38.51	38.51	38.51	38.65	38.79	38.93	38.51	38.93	39.63	39.49	37.95	37.81	37.95	38.23	38.65
30	38.75	38.75	38.61	38.61	38.61	38.75	38.47	38.75	40.15	39.45	38.75	38.75	38.61	38.75	39.31
31	38.57	38.57	38.43	38.43	38.29	38.43	38.71	39.27	39.97	39.97	39.83	39.83	38.85	38.15	38.29
Mean	39.21	39.18	39.17	39.12	39.06	38.92	38.44	38.55	38.97	39.20	39.32	39.35	39.36	39.40	39.51
Mean[a]	39.12	39.07	39.04	39.01	38.90	38.76	38.26	38.51	38.96	39.38	39.68	39.60	39.38	39.15	39.38

[a] Five international quiet days.

HOURLY VALUES OF DECLINATION.

NOVEMBER, 1912. 0° East plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	MEAN.	Maximum.		Minimum.		Range.	Day.
′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
40.54	40.40	40.54	40.54	40.26	39.98	39.98	39.98	39.98	40.03	8 00	40.68	12 00	38.72	1.96	1
39.85	40.13	39.85	39.71	39.71	39.71	39.57	39.57	39.57	39.59	17 00	40.13	11 27	38.87	1.26	2
39.59	39.45	39.59	39.59	39.73	39.73	39.73	39.73	39.73	39.61	10 43	40.15	14 09	39.03	1.12	3
39.19	39.61	39.75	39.89	39.89	39.75	39.61	39.75	39.89	39.58	9 00	40.03	12 00	39.05	0.98	4
40.33	40.05	39.91	39.91	39.91	39.77	39.63	39.49	39.49	39.69	16 00	40.33	11 13	39.07	1.26	5
40.63	40.63	40.35	40.07	39.79	39.65	39.51	39.51	39.65	39.80	15 00	40.77	11 00	38.53	2.24	6
39.95	39.95	40.09	39.95	39.95	39.81	39.53	39.53	39.53	39.57	18 00	40.09	11 00	38.83	1.26	7
40.39	40.11	39.97	39.97	39.83	39.69	39.69	39.83	39.83	39.70	16 00	40.39	12 00	39.13	1.26	8
40.69	40.41	40.13	39.99	39.85	39.71	39.71	39.57	39.71	39.89	15 28	40.83	6 44	39.43	1.40	9
41.27	40.85	40.43	40.15	40.01	40.57	40.15	39.87	39.73	39.88	16 00	41.27	12 22	39.03	2.24	10
41.43	40.73	40.87	40.31	40.73	40.03	39.75	39.61	39.61	40.15	16 19	41.57	4 00	39.33	2.24	11
40.19	40.05	39.91	39.77	39.77	39.63	39.63	39.63	39.77	39.90	8 00	40.89	1 16	39.35	1.54	12
40.63	40.35	40.07	39.93	39.93	39.79	39.79	39.79	39.93	40.01	9 00	40.91	6 26	39.23	1.68	13
40.65	40.23	39.95	39.67	39.53	39.81	39.67	39.95	39.95	40.07	15 48	40.93	20 20	39.25	1.68	14
40.67	40.39	40.11	40.11	40.11	40.11	39.97	39.97	40.11	40.03	13 24	41.09	7 00	39.27	1.82	15
40.96	40.54	40.40	40.12	40.12	40.12	39.98	39.98	40.12	39.96	16 00	40.96	11 28	39.00	1.96	16
40.51	40.51	40.23	40.09	40.09	39.95	39.95	39.95	40.09	40.01	16 33	40.65	11 00	39.39	1.26	17
40.76	40.76	40.48	40.20	40.06	39.78	39.64	39.78	40.06	40.16	9 00	40.90	6 00	39.50	1.40	18
40.46	40.60	40.60	40.60	40.46	40.04	39.90	39.90	39.90	40.01	16 49	40.74	12 00	39.20	1.54	19
40.57	40.57	40.15	40.01	39.87	39.73	39.73	39.87	39.87	39.96	14 21	40.85	7 00	39.45	1.40	20
39.98	40.12	40.12	40.12	40.12	40.12	40.12	40.12	40.12	39.98	39.89	13 32	40.96	6 53	39.14	1.82	21
40.66	40.38	40.10	39.54	39.82	39.96	39.96	39.96	39.82	40.19	13 28	41.22	6 00	39.40	1.82	22
41.05	41.33	40.21	40.07	39.79	39.65	39.65	39.65	39.65	39.68	17 00	41.33	7 00	38.11	3.22	23
40.74	40.60	40.46	40.18	39.90	39.90	39.76	39.62	39.48	39.98	15 50	40.88	7 00	39.20	1.68	24
40.72	40.72	40.44	40.16	39.88	39.74	39.60	39.60	39.60	39.84	16 22	40.86	6 48	39.18	1.68	25
40.41	40.55	40.41	40.13	39.99	39.99	39.99	39.85	39.85	39.61	16 42	40.69	12 34	38.03	2.66	26
40.52	40.38	40.10	39.96	39.96	39.96	39.96	39.96	39.96	39.95	16 36	40.66	7 00	39.26	1.40	27
40.50	40.36	40.08	40.08	39.94	39.94	39.80	39.80	39.80	39.75	16 00	40.50	8 08	38.68	1.82	28
40.47	40.61	40.47	40.19	40.05	39.91	39.77	39.77	39.77	39.78	17 00	40.61	11 46	39.07	1.54	29
40.44	40.44	40.16	40.16	40.02	39.88	39.74	39.88	39.88	39.81	17 13	40.58	6 44	38.90	1.68	30
40.49	40.39	40.20	40.04	39.97	39.88	39.78	39.78	39.81	39.87	----------	40.75	----------	39.06	1.69	--------
40.13	40.13	40.05	39.97	39.94	39.85	39.80	39.83	39.83	39.80	----------	40.64	----------	39.10	1.54	--------

DECEMBER, 1912. 0° East plus tabular quantities.

′	′	′	′	′	′	′	′	′	′	h. m.	′	h. m.	′	′	
40.28	40.42	40.28	40.14	40.00	39.86	39.72	39.58	39.72	39.73	17 00	40.42	7 00	39.16	1.26	1
40.41	40.55	40.55	40.55	40.13	40.13	39.99	40.13	40.13	40.02	17 32	40.69	7 11	39.15	1.54	2
40.24	40.10	39.82	39.82	39.82	39.82	39.68	39.68	39.68	39.70	16 00	40.24	7 00	38.98	1.26	3
40.21	39.93	39.79	39.79	39.65	39.65	39.51	39.51	39.51	39.53	16 00	40.21	6 00	38.67	1.54	4
40.32	40.32	40.04	39.76	39.62	39.62	39.48	39.48	39.48	39.68	10 33	40.46	7 00	39.06	1.40	5
39.59	39.87	39.73	39.59	39.45	39.45	39.45	39.59	39.59	39.57	9 38	40.57	7 00	38.75	1.82	6
40.53	41.09	39.97	39.69	39.69	39.55	39.41	39.41	39.41	39.56	17 00	41.09	6 39	37.31	3.78	7
40.22	40.64	39.94	39.66	39.52	39.52	39.52	39.38	39.52	39.43	16 50	40.78	7 08	37.42	3.36	8
40.33	40.19	39.91	39.77	39.91	39.63	39.49	39.35	39.35	39.46	16 00	40.33	7 00	38.65	1.68	9
40.02	40.16	39.88	39.60	39.60	39.46	39.46	39.18	38.90	39.29	17 00	40.16	8 00	38.34	1.82	10
40.12	39.98	39.84	39.70	39.84	39.84	39.70	39.56	39.56	39.56	14 14	40.40	7 00	38.30	2.10	11
39.95	39.81	39.67	39.81	39.81	39.67	39.53	39.53	39.53	39.48	15 52	40.09	13 00	38.69	1.40	12
39.50	39.92	39.78	39.64	39.50	39.78	39.64	39.50	39.36	39.25	17 00	39.92	11 23	38.52	1.40	13
39.75	39.75	40.03	39.61	39.47	39.47	39.47	39.33	39.33	39.18	18 00	40.03	13 00	38.21	1.82	14
39.72	39.86	39.72	39.58	39.44	39.44	39.44	39.44	39.44	39.29	17 00	39.86	9 00	38.46	1.40	15
40.24	40.38	40.10	40.10	40.10	39.96	39.96	39.82	39.82	39.45	17 00	40.38	8 00	38.28	2.10	16
39.53	39.53	39.67	39.81	39.67	39.53	39.39	39.39	39.25	39.41	8 36	40.09	7 50	38.55	1.54	17
39.35	39.49	39.49	39.49	39.49	39.49	39.35	39.21	39.07	39.40	10 50	40.33	7 00	38.51	1.82	18
39.03	39.31	39.31	39.45	39.59	39.31	39.17	39.03	38.89	39.01	12 36	39.73	10 00	38.47	1.26	19
39.55	40.11	39.41	39.27	39.13	39.13	38.99	38.99	38.85	39.07	12 00	40.53	14 16	38.15	2.38	20
39.09	39.23	39.23	39.23	39.23	39.23	39.09	39.09	39.09	38.90	11 00	39.51	7 00	37.55	1.96	21
39.62	39.62	39.48	39.20	39.20	39.06	39.06	39.06	38.92	39.11	10 37	40.04	7 12	37.66	2.38	22
40.00	40.00	40.14	40.14	40.00	39.58	39.16	38.60	38.88	38.98	19 48	40.28	8 00	37.06	3.22	23
39.68	39.68	39.40	39.26	39.26	39.12	39.12	39.12	39.26	39.02	14 00	39.96	7 00	37.58	2.38	24
39.36	39.64	39.22	39.08	39.08	38.94	38.80	38.94	38.94	38.93	17 00	39.64	8 00	37.82	1.82	25
39.74	39.46	39.18	39.04	38.90	38.90	38.76	38.76	38.90	38.89	16 20	39.88	8 00	38.20	1.68	26
38.87	39.01	39.15	39.15	39.15	39.01	38.87	38.87	39.01	38.79	17 43	39.29	12 21	38.17	1.12	27
39.81	39.81	39.39	39.11	38.83	38.69	38.55	38.55	38.55	38.81	16 28	39.95	7 00	37.57	2.38	28
39.21	39.21	39.07	38.93	38.93	38.93	38.93	38.79	38.79	38.74	9 27	39.91	12 00	37.81	2.10	29
40.01	40.01	39.45	39.17	39.03	38.89	38.75	38.61	38.61	38.98	9 13	40.29	7 10	38.33	1.96	30
38.85	39.27	39.27	38.85	38.85	38.71	38.57	38.43	39.37	38.91	9 23	40.11	14 19	38.01	2.10	31
39.78	39.88	39.67	39.55	39.48	39.40	39.29	39.22	39.25	39.26	----------	40.17	----------	38.24	1.93	--------
39.80	39.88	39.57	39.43	39.29	39.26	39.12	39.12	39.10	39.20	----------	40.13	----------	38.20	1.93	--------

HOURLY VALUES OF HORIZONTAL INTENSITY.

JANUARY, 1912. 30000 γ plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8060	8056	8061	8065	8068	8068	8066	8073	8083	8087	8092	8090	8085	8082	8081
2[a]	8037	8062	8060	8063	8063	8063	8061	8063	8068	8073	8074	8074	8073	8073	8069
3	8058	8057	8061	8060	8059	8062	8066	8070	(8080)	(8086)	(8095)	(8094)	(8090)	(8083)	(8075)
4	(8053)	(8054)	(8055)	(8059)	(8064)	(8071)	(8078)	(8084)	8088	8090	8083	8086	8087	8087	8085
5	8075	8073	8072	8070	8076	8076	8081	8092	8093	8091	8084	8073	8069	8072	8070
6	8068	8066	8060	8064	8067	8068	8077	8090	8103	8105	8096	8077	8071	8076	8075
7	8072	8078	8074	8072	8068	8071	8081	8099	8117	8122	8117	8099	8091	8090	8082
8	8075	8075	8078	8077	8082	8084	8093	8100	8107	8118	8104	8091	8081	8075	8071
9	8077	8080	8080	8077	8075	8080	8082	8096	8105	8111	8109	8099	8085	8086	8086
10	8073	8068	8072	8078	8077	8079	8089	8102	8123	8131	8129	8115	8100	8087	8080
11	8070	8075	8073	8073	8070	8070	8076	8084	8097	8104	8102	8096	8090	8083	8079
12	8079	8075	8074	8070	8071	8068	8068	8071	8078	8082	8095	8087	8081	8076	8076
13	8060	8053	8062	8068	8068	8063	8059	8065	8071	8084	8082	8085	8093	8095	8069
14	8066	8068	8066	8066	8070	8067	8066	8073	8083	8103	8107	8104	8100	8100	8095
15[a]	8072	8068	8070	8066	8063	8067	8069	8074	8079	8096	8091	8089	8089	8082	8082
16[a]	8068	8070	8068	8066	8070	8069	8072	8078	8086	8100	8104	8102	8099	8095	8093
17	8080	8075	8072	8073	8071	8073	8074	8081	8092	8105	8118	8115	8128	8134	8131
18	8073	8071	8074	8074	8080	8084	8085	8092	8101	8100	8097	8100	8095	8092	8087
19	8074	8070	8073	8073	8080	8082	8084	8089	8097	8105	8112	8109	8103	8108	8101
20	8080	8079	8076	8073	8087	8085	8085	8091	8101	8111	8116	8115	8113	8103	8101
21	8083	8080	8083	8082	8082	8082	8084	8090	8097	8104	8114	8112	8109	8105	8102
22	8081	8078	8081	8081	8087	8088	8087	8088	8093	8098	8102	8097	8091	8092	8097
23	8065	8070	8071	8069	8072	8080	8083	8083	8088	8094	8108	8112	8109	8101	8089
24	8084	8080	6076	8075	8072	8073	8080	8095	8113	8128	8136	8138	8134	8121	8111
25	8063	8065	8065	8065	8064	8070	8070	8077	8089	8100	8103	8104	8103	8104	8093
26[a]	8074	8072	8075	8073	8077	8081	8082	8089	8100	8111	8119	8114	8108	8103	8090
27[a]	8084	8081	8085	8086	8087	8086	8084	8094	8104	8107	8115	8118	8113	8110	8106
28	8095	8095	8094	8098	8092	8094	8095	8100	8110	8118	8112	8108	8104	8099	8102
29	8086	8086	8090	8082	8080	8078	8075	8080	8083	8095	8099	8102	8099	8096	8091
30	8079	8080	8080	8082	8083	8087	8084	8089	8099	8107	8107	8109	8104	8105	8098
31	8077	8082	8081	8080	8085	8086	8089	8090	8100	8104	8107	8105	8099	8094	8093
Mean	8073	8072	8073	8073	8075	8076	8078	8085	8091	8102	8104	8101	8097	8094	8089
Mean[a]	8073	8071	8072	8071	8072	8073	8074	8080	8087	8097	8101	8099	8096	8093	8088

FEBRUARY, 1912. 30000 γ plus tabular quantities.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8081	8084	8080	8082	8080	8077	8081	8089	8100	8105	8115	8114	8112	8108	8098
2	8083	8082	8085	8088	8092	8089	8087	8088	8099	8108	8115	8117	8115	8117	8115
3	8071	8069	8068	8075	8075	8085	8078	8082	8089	8101	8109	8106	8097	8081	8080
4	8070	8072	8074	8073	8071	8075	8074	8079	8084	8093	8099	8101	8096	8094	8089
5[a]	8074	8076	8076	8082	8079	8081	8083	8090	8098	8110	8123	8122	8120	8113	8103
6[a]	8080	8081	8082	8084	8085	8090	8087	8099	8113	8119	8122	8126	8123	8114	8102
7	8085	8087	8086	8086	8084	8085	8089	8091	8101	8112	8115	8116	8114	8108	8093
8	8070	8074	8073	8079	8079	8075	8073	8075	8079	8083	8091	8107	8114	8108	8103
9	8070	8069	8068	8069	8068	8066	8069	8075	8086	8099	8110	8106	8103	8098	8092
10	8072	8074	8074	8078	8078	8080	8082	8084	8089	8100	8103	8108	8116	8114	8100
11	8069	8069	8069	8068	8066	8069	8070	8072	8066	8068	8082	8088	8095	8093	8084
12	8074	8075	8073	8077	8076	8078	8078	8077	2086	8101	8109	8113	8117	8110	8095
13	8075	8060	8066	8069	8061	8062	8067	8066	8075	8080	8083	8088	8085	8082	8070
14	8058	8070	8067	8065	8070	8070	8070	8081	8035	8109	8116	8118	8105	8095	8093
15[a]	8065	8066	8066	8069	8071	8074	8074	8087	8104	8116	8119	8117	8116	8108	8105
16	8080	8076	8074	8071	8076	8077	8078	8081	8087	8101	8113	8112	8109	8106	8095
17	8086	8081	8083	8086	8090	8087	8084	8091	8087	8092	8095	8097	8089	8088	8095
18	8079	8077	8077	8031	8083	8083	8084	8084	8085	8093	8099	8100	8092	8089	8089
19	8076	8074	8073	8077	8078	8081	8084	8087	8098	8113	8124	8121	8109	8096	8095
20[a]	8074	8076	8073	8072	8071	8075	8076	8082	8089	8103	8107	8110	8107	8104	8099
21[a]	8076	8078	8081	8077	8078	8075	8079	8083	8089	8099	8105	8109	8106	8103	8098
22	8083	8081	8080	8084	8082	8082	8083	8085	8098	8105	8116	8124	8123	8119	8115
23	8083	8089	8088	8087	8092	8093	8094	8096	8100	8111	8122	8125	8122	8116	8113
24	8072	8071	8071	8073	8075	8077	8080	8082	8090	8103	8106	8116	8113	8102	8095
25	8080	8080	8079	8077	8083	8073	8076	8080	8085	8098	8108	8115	8117	8108	8096
26	(8073)	(8072)	(8071)	(8071)	(8072)	(8074)	(8076)	8088	8092	8105	8121	8111	8096	8086	8071
27	8056	8056	8064	8061	8059	8070	8072	8074	8079	8089	8095	8100	8102	8096	8087
28	8075	8076	8076	8077	8078	8079	8081	8085	8092	8105	8109	8111	8104	8101	8089
29	8083	8084	8080	8076	8075	8073	8072	8074	8079	8088	8094	8102	8098	8086	8085
Mean	8075	8075	8075	8076	8077	8078	8079	8083	8090	8100	8108	8110	8107	8101	8095
Mean[a]	8074	8075	8076	8077	8077	8079	8080	8088	8099	8109	8115	8117	8114	8108	8101

[a] Five international quiet days.

HOURLY VALUES OF HORIZONTAL INTENSITY.

JANUARY, 1912. 30000 γ plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
8080	8080	8080	8074	8069	8065	8071	8061	8067	8074	11 00	8092	1 48	8054	38	1
8067	8064	8063	8059	8058	8057	8058	8055	8057	8064	10 50	8075	23 00	8055	20	2
(8069)	(8062)	(8057)	(8056)	(8055)	(8054)	(8054)	(8053)	(8052)	8067	11 00	(8095)	24 00	(8052)	43	3
8086	8082	8076	8078	8074	8074	8072	8073	8077	8076	10 00	8090	1 00	(8053)	37	4
8071	8074	8074	8074	8074	8069	8067	8069	8060	8075	9 22	8095	23 32	8056	39	5
8074	8072	8074	8074	8075	8073	8075	8075	8073	8076	9 35	8111	3 00	8060	51	6
8076	8076	8076	8076	8075	8074	8076	8077	8076	8084	10 00	8122	5 00	8068	54	7
8073	8074	8074	8075	8075	8077	8075	8073	8076	8083	10 00	8118	15 00	8071	47	8
8092	8089	8090	8089	8079	8078	8085	8079	8080	8087	10 00	8111	5 00	8075	36	9
8082	8081	8078	8076	8072	8073	8071	8072	8075	8087	10 00	8131	2 00	8068	63	10
8080	8079	8076	8076	8075	8074	8074	8072	8077	8080	10 00	8104	5 26	8068	36	11
8070	8070	8057	8057	8048	8037	8041	8044	8045	8068	11 00	8095	21 00	8037	58	12
8071	8068	8065	8063	8062	8076	8067	8065	8061	8070	13 43	8097	0 44	8047	50	13
8078	8077	8072	8072	8072	8071	8070	8069	8065	8078	11 00	8107	0 02	8062	45	14
8079	8072	8066	8065	8067	8066	8064	8065	8068	8074	10 00	8096	5 00	8063	33	15
8087	8085	8084	8088	8089	8086	8081	8079	8082	8083	10 12	8105	4 00	8066	39	16
8121	8111	8096	8087	8073	8070	8068	8063	8067	8091	14 00	8134	23 00	8063	71	17
8082	8089	8082	8081	8075	8070	8076	8071	8069	8083	10 33	8102	24 00	8069	33	18
8102	8101	8090	8088	8086	8084	8082	8078	8081	8090	10 18	8114	2 00	8070	44	19
8098	8096	8090	8090	8090	8088	8089	8088	8087	8093	11 00	8116	4 00	8073	43	20
8099	8094	8092	8090	8087	8086	8082	8084	8083	8092	11 16	8116	2 00	8080	36	21
8090	8101	8093	8091	8074	8064	8056	8064	8070	8085	11 14	8104	21 23	8052	52	22
8081	8077	8084	8081	8080	8084	8084	8082	8079	8084	11 21	8116	1 00	8065	51	23
8104	8099	8092	8074	8076	8060	8048	8057	8059	8091	12 00	8138	22 00	8048	90	24
8089	8089	8083	8082	8081	8080	8081	8079	8075	8082	11 50	8105	0 01	8060	45	25
8093	8090	8091	8090	8089	8087	8086	8084	8084	8090	11 00	8119	2 00	8072	47	26
8104	8107	8108	8106	8104	8101	8099	8098	8093	8099	12 00	8118	2 00	8081	37	27
8100	8097	8094	8089	8085	8086	8082	8077	8082	8096	10 41	8120	23 00	8077	43	28
8086	8086	8086	8081	8089	8087	8083	8078	8081	8087	12 00	8102	7 00	8075	27	29
8096	8095	8088	8085	8078	8068	8076	8077	8075	8089	12 00	8109	21 00	8068	41	30
8088	8093	8095	8093	8088	8086	8084	8086	8083	8090	11 00	8107	0 01	8075	32	31
8089	8085	8081	8079	8077	8074	8073	8072	8073	8083	----------	8109	----------	8064	45	--------
8086	8084	8082	8082	8086	8079	8078	8076	8077	8082	----------	8103	----------	8068	35	--------

FEBRUARY, 1912. 30000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
8090	8085	8085	8080	8080	8080	8085	8083	8082	8090	11 00	8115	6 00	8077	38	1
8099	8090	8087	8077	8077	8077	8077	8074	8077	8092	11 50	8118	23 00	8074	44	2
8082	8081	8077	8075	8074	8072	8070	8069	8084	8081	11 00	8109	23 54	8067	42	3
8090	8088	8088	8085	8084	8081	8076	8073	8070	8082	12 00	8101	1 10	8069	32	4
8092	8090	8088	8088	8082	8080	8080	8079	8079	8091	11 23	8125	0 01	8069	56	5
8101	8096	8096	8094	8092	8092	8092	8090	8088	8098	12 00	8126	1 00	8080	46	6
8086	8086	8085	8082	8078	8074	8073	8070	8074	8090	12 00	8116	23 55	8069	47	7
8091	8082	8075	8071	8071	8071	8068	8068	8064	8081	12 47	8115	24 00	8064	51	8
8087	8083	8085	8083	8080	8076	8076	8075	8071	8082	11 00	8110	6 00	8066	44	9
8087	8085	8083	8080	8070	8061	8055	8064	8069	8084	12 52	8117	22 00	8055	62	10
8070	8072	8066	8070	8066	8071	8065	8072	8076	8073	13 00	8095	22 00	8065	30	11
8037	8080	8084	8085	8084	8079	8079	8078	8077	8086	13 00	8117	3 00	8073	44	12
8063	8063	8066	8075	8069	8063	8069	8067	8064	8071	12 00	8088	1 41	8059	29	13
8091	8084	8083	8082	8081	8079	8076	8068	8067	8083	12 00	8118	1 00	8058	60	14
8095	8090	8084	8086	8086	8087	8085	8084	8082	8089	11 00	8119	1 00	8065	54	15
8092	8086	8083	8084	8085	8088	8089	8089	8088	8088	11 10	8114	4 00	8071	43	16
8093	8087	8084	8077	8075	8077	8074	8081	8079	8086	12 00	8097	21 23	8072	25	17
8088	8093	8087	8085	8087	8087	8080	8078	8079	8086	11 24	8103	2 09	8075	28	18
8093	8091	8091	8081	8078	8079	8081	8077	8075	8089	11 04	8126	3 00	8073	53	19
8096	8094	8091	8084	8086	8081	8077	8078	8076	8087	11 56	8112	5 00	8071	41	20
8089	8083	8081	8080	8081	8082	8079	8080	8079	8086	12 00	8109	6 00	8075	34	21
8106	8102	8092	8091	8088	8084	8085	8083	8084	8095	12 00	8124	0 01	8078	46	22
8106	8095	8089	8083	8086	8084	8079	8070	8074	8096	12 00	8125	23 00	8070	55	23
8093	8093	8096	8090	8087	8085	8082	8080	8078	8088	11 38	8118	0 37	8070	48	24
8091	8085	8077	(8076)	(8074)	(8073)	(8072)	(8073)	(8073)	8085	12 14	8118	22 00	(8072)	46	25
8055	8039	8040	8034	8053	8059	8060	8059	8056	8072	11 00	8121	19 06	8032	89	26
8082	8080	8078	8073	8074	8071	8072	8072	8073	8076	13 00	8102	0 19	8055	47	27
8088	8087	8086	8086	8086	8084	8083	8083	8082	8088	11 36	8113	0 01	8073	40	28
8084	8082	8082	8081	8081	8032	8082	8080	8078	8083	12 00	8102	7 00	8072	30	29
8089	8085	8082	8080	8079	8078	8077	8076	8076	8085	----------	8113	----------	8068	45	--------
8095	8091	8088	8086	8085	8084	8083	8082	8081	8090	----------	8118	----------	8072	46	--------

HOURLY VALUES OF HORIZONTAL INTENSITY.

MARCH, 1912. 30000 γ plus tabular quantities.

DAY.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8078	8074	8071	8072	8072	8076	8076	8080	8088	8103	8117	8120	8115	8105	8087
2	8069	8083	8078	8077	8078	8078	8081	8085	8095	8108	8114	8118	8110	8105	8100
3	8088	8087	8087	8087	8087	8090	8094	8104	8116	8135	8146	8136	8128	8124	8116
4[a]	8083	8080	8088	8084	8080	8088	8088	8094	8104	8118	8130	8133	8126	8114	8104
5	8079	8075	8077	8075	8074	8077	8077	8083	8097	8116	8125	8131	8132	8125	8110
6	8067	8086	8083	8084	8087	8084	8090	8098	8118	8120	8132	8132	8126	8118	8112
7	8087	8092	8084	8085	8081	8079	8082	8090	8104	8119	8132	8132	8129	8125	8115
8	8084	8084	8082	8088	8083	8080	8085	8091	8106	8121	8130	8119	8107	8113	8089
9	8086	8091	8078	8076	8081	8090	8088	8085	8085	8100	8111	8115	8107	8097	8090
10	8078	8083	8081	8084	8079	8080	8081	8087	8097	8110	8122	8119	8112	8104	8094
11	8061	8061	8059	8068	8065	8069	8076	8083	8094	8108	8119	8118	8117	8110	8101
12	8084	8090	8088	8083	8083	8088	8087	8098	8113	8126	8139	8140	8131	8124	8112
13	8088	8089	8088	8085	8083	8085	8083	8094	8109	8124	8131	8137	8130	8126	8114
14	8090	8089	8092	8089	8086	8090	8089	8094	8108	8130	8134	8137	8133	8127	8114
15	8099	8094	8098	8092	8097	8097	8096	8101	8107	8120	8133	8133	8124	8119	8114
16	8090	8091	8088	8085	8089	8086	8085	8089	8098	8115	8130	8131	8130	8125	8118
17[a]	8093	8091	8091	8093	8090	8088	8092	8099	8106	8124	8131	8133	8128	8121	8114
18[a]	8086	8088	8089	8088	8092	8091	8097	8105	8121	8141	8151	8149	8140	8128	8110
19[a]	8094	8089	8093	8090	8092	8092	8096	8101	8114	8129	8140	8140	8127	8126	8114
20	8093	8091	8090	8091	8094	8096	8094	8101	8116	8136	8148	8140	8129	8117	8112
21	8093	8092	8092	8097	8095	8101	8114	8120	8132	8151	8158	8155	8148	8145	8132
22	8090	8091	8096	8093	8099	8098	8093	8094	8100	8105	8129	8122	8112	8107	8102
23	8085	8091	8080	8086	8084	8087	8088	8100	8115	8133	8146	8142	8132	8105	8093
24[a]	8087	8089	8088	8086	8088	8090	8089	8101	8124	8140	8154	8156	8147	8135	8124
25	8094	8093	8092	8094	8092	8094	8098	8112	8126	8146	8159	8161	8148	8136	8126
26	8095	8091	8093	8094	8089	8097	8102	8106	8122	8142	8149	8148	8142	8132	8125
27	8100	8095	8094	8096	8094	8091	8087	8096	8111	8134	8138	8133	8132	8125	8123
28	8106	8101	8103	8101	8101	8099	8104	8115	8124	8140	8149	8153	8151	8148	8144
29	8106	8103	8100	8100	8101	8101	8106	8114	8123	8138	8143	8144	8141	8134	8129
30	8102	8091	8089	8090	8092	8097	8097	8101	8113	8128	8140	8137	8131	8126	8109
31	8102	8105	8102	8105	8106	8104	8109	8125	8137	8156	8166	8163	8156	8143	8132
Mean	8088	8089	8088	8088	8088	8089	8091	8098	8110	8126	8137	8136	8130	8122	8112
Mean[a]	8089	8087	8090	8088	8088	8090	8092	8100	8114	8130	8141	8142	8134	8125	8113

APRIL, 1912. 30000 γ plus tabular quantities.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1[a]	8107	8111	8110	8109	8114	8112	8117	8127	8140	8160	8171	8160	8150	8141	8129
2	8107	8110	8108	8106	8103	8106	8108	8123	8140	8167	8179	8180	8167	8152	8139
3	8109	8103	8102	8100	8098	8098	8104	8120	8140	8155	8167	8167	8159	8148	8137
4	8107	8104	8100	8101	8098	8095	8103	8115	8130	8153	8159	8162	8157	8151	8138
5	8112	8110	8110	8112	8109	8108	8114	8128	8147	8162	8173	8169	8164	8156	8146
6	8107	8103	8102	8107	8111	8091	8088	8086	8096	8116	8123	8134	8137	8131	8120
7	8084	8089	8084	8091	8090	8083	8087	8103	8114	8122	8129	8129	8124	8120	8114
8[a]	8102	8098	8096	8102	8101	8096	8101	8107	8116	8137	8143	8149	8140	8132	8122
9	8094	8095	8095	8097	8097	8098	8104	8112	8126	8148	8150	8154	8150	8138	8131
10	8117	8114	8116	8110	8109	8110	8119	8146	8167	8180	8188	8192	8162	8141	8128
11[a]	8098	8095	8099	8099	8103	8101	8108	8116	8129	8141	8149	8145	8142	8137	8130
12	8122	8119	8112	8110	8108	8113	8111	8118	8128	8141	8152	8149	8147	8145	8140
13	8119	8123	8123	8119	8117	8120	8123	8135	8150	8158	8160	8152	8145	8136	8118
14	8108	8108	8110	8110	8113	8112	8113	8121	8130	8141	8141	8138	8139	8144	8148
15	8129	8121	8126	8119	8112	8106	8110	8119	8134	8166	8149	8144	8120	8104	8071
16	8082	8087	8086	8089	8091	8092	8099	8108	8120	8120	8134	8139	8116	8121	8118
17	8096	8093	8091	8096	8096	8101	8105	8115	8130	8129	8141	8134	8126	8117	8117
18	8089	8094	8102	8095	8097	8094	8098	8108	8120	8138	8149	8143	8134	8126	8139
19	8094	8095	8095	8093	8097	8094	8092	8107	8121	8136	8146	8143	8143	8138	8134
20	8101	8100	8106	8100	8097	8094	8097	8109	8121	8143	8141	8150	8150	8147	8136
21[a]	8108	8107	8105	8100	8104	8103	8108	8120	8140	8153	8155	8152	8150	8148	8141
22	8115	8111	8107	8102	8104	8105	8111	8123	8139	8161	8158	8161	8152	8150	8133
23	8110	8109	8108	8109	8111	8113	8113	8126	8141	8154	8160	8160	8147	8141	8133
24	8114	8110	8111	8107	8106	8111	8110	8121	8136	8150	8158	8154	8154	8145	8138
25	8108	8106	8110	8113	8112	8112	8120	8126	8138	8148	8151	8156	8154	8147	8138
26	8119	8120	8122	8118	8117	8117	8124	8140	8155	8164	8164	8151	8143	8138	8141
27	8117	8119	8117	8116	8118	8116	8123	8136	8151	8162	8162	8161	8153	8151	8139
28[a]	8108	8104	8107	8105	8109	8109	8115	8130	8145	8157	8160	8155	8146	8141	8138
29	8115	8117	8118	8115	8113	8116	8116	8119	8130	8147	8161	8162	8156	8152	8146
30	8119	8119	8118	8116	8116	8114	8112	8116	8128	8139	8145	8146	8143	8142	8142
Mean	8107	8106	8107	8106	8106	8104	8108	8119	8133	8138	8154	8153	8136	8139	8131
Mean[a]	8105	8103	8103	8103	8106	8104	8110	8120	8134	8150	8156	8152	8146	8140	8132

[a] Five international quiet days.

HOURLY VALUES OF HORIZONTAL INTENSITY.

MARCH, 1912. 30000 γ plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	MEAN.	Maximum.			Minimum.			Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
8078	8081	8083	8081	8080	8083	8075	8082	8078	8086	12	00	8120	3	00	8071	49	1
8094	8096	8098	8098	8096	8091	8089	8090	8088	8092	12	00	8118	1	00	8069	49	2
8104	8105	8095	8093	8093	8089	8086	8085	8083	8102	11	00	8146	24	00	8083	63	3
8092	8092	8092	8088	8086	8084	8081	8078	8078	8095	11	40	8134	23	58	8077	57	4
8108	8102	8096	8093	8083	8078	8072	8065	8064	8092	13	00	8132	24	00	8064	68	5
8106	8097	8094	8092	8093	8090	8087	8085	8081	8098	11	23	8134	0	01	8064	70	6
8104	8099	8091	8090	8089	8081	8078	8093	8086	8098	11	51	8134	22	13	8076	58	7
8087	8081	8065	8059	8072	8071	8075	8076	8074	8088	11	19	8142	19	00	8059	83	8
8085	8083	8081	8035	8083	8075	8078	8070	8085	8088	12	00	8115	23	05	8068	47	9
8089	8086	8085	8079	8079	8082	8077	8063	8064	8088	11	00	8122	22	50	8061	61	10
8100	8092	8094	8089	8088	8085	8083	8081	8084	8088	11	00	8119	1	00	8061	58	11
8108	8101	8090	8032	8082	8081	8079	8072	8073	8098	12	00	8140	23	00	8072	68	12
8109	8098	8093	8092	8092	8092	8090	8090	8091	8101	12	00	8137	0	01	8074	63	13
8107	8108	8112	8108	8102	8099	8097	8099	8102	8106	12	00	8137	5	00	8086	51	14
8109	8106	8096	8104	8093	8096	8096	8095	8093	8105	11	50	8134	19	49	8092	42	15
8105	8098	8092	8084	8085	8088	8097	8092	8093	8099	10	46	8133	19	00	8084	49	16
8104	8097	8090	8087	8084	8082	8085	8086	8084	8100	10	51	8134	21	00	8082	52	17
8102	8097	8097	8102	8098	8089	8090	8092	8091	8106	11	00	8151	1	00	8086	65	18
8107	8107	8102	8095	8096	8093	8091	8089	8089	8104	11	16	8142	22	46	8088	54	19
8106	8106	8108	8102	8099	8095	8093	8090	8087	8106	11	00	8148	24	00	8087	61	20
8115	8101	8094	8098	8099	8096	8092	8093	8090	8113	11	00	8158	24	00	8090	68	21
8101	8094	8088	8085	8086	8085	8085	8089	8090	8097	11	14	8131	18	51	8084	47	22
8088	8086	8087	8080	8088	8086	8085	8088	8088	8098	11	00	8146	3	00	8080	66	23
8106	8100	8093	8091	8091	8090	8092	8091	8091	8106	12	00	8156	4	00	8086	70	24
8121	8116	8109	8106	8102	8099	8098	8096	8093	8113	12	00	8161	2	48	8091	70	25
8118	8110	8109	8105	8103	8101	8098	8100	8100	8111	11	00	8149	2	00	8091	58	26
8117	8110	8109	8107	8108	8108	8105	8102	8101	8109	11	00	8138	6	39	8085	53	27
8137	8124	8108	8106	8107	8106	8110	8103	8098	8118	12	09	8156	24	00	8098	58	28
8129	8122	8118	8119	8118	8125	8115	8090	8128	8119	12	00	8144	23	00	8090	54	29
8098	8098	8099	8100	8103	8104	8103	8104	8104	8106	11	00	8140	3	00	8089	51	30
8120	8113	8112	8110	8108	8106	8104	8104	8106	8121	11	00	8166	0	27	8101	65	31
8105	8100	8096	8094	8093	8091	8090	8088	8089	8102	----------		8139	----------		8080	59	--------
8102	8099	8095	8093	8091	8088	8088	8087	8087	8102	----------		8144	----------		8084	60	--------

APRIL, 1912. 30000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h.	m.	γ	h.	m.	γ	γ	
8122	8116	8114	8116	8117	8114	8111	8106	8108	8124	11	00	8171	23	00	8106	65	1
8130	8121	8114	8117	8115	8113	8114	8111	8108	8127	12	00	8180	5	00	8103	77	2
8123	8116	8109	8108	8104	8102	8100	8103	8100	8120	10	49	8168	4	46	8097	71	3
8128	8115	8115	8116	8116	8113	8115	8112	8113	8122	12	00	8162	6	00	8095	67	4
8137	8133	8125	8124	8123	8119	8101	8095	8096	8128	11	00	8173	22	49	8093	80	5
8111	8106	8099	8093	8096	8108	8103	8100	8092	8107	13	00	8137	8	00	8086	51	6
8107	8100	8094	8095	8096	8097	8099	8097	8095	8102	11	25	8130	0	50	8082	48	7
8115	8110	8105	8102	8100	8099	8099	8100	8096	8111	12	00	8149	3	07	8095	54	8
8128	8124	8122	8121	8118	8118	8116	8115	8114	8119	12	00	8154	1	00	8094	60	9
8132	8091	8080	8094	8098	8100	8098	8099	8101	8125	11	43	8207	17	57	8077	130	10
8126	8127	8127	8126	8119	8121	8120	8118	8117	8121	11	00	8149	2	00	8095	54	11
8135	8128	8120	8121	8121	8119	8115	8119	8118	8125	11	00	8152	5	00	8108	44	12
8112	8105	8105	8105	8107	8109	8109	8109	8111	8124	11	00	8160	18	12	8104	56	13
8131	8129	8124	8134	8131	8123	8128	8128	8134	8127	15	00	8148	1	08	8107	41	14
8046	8039	8045	8053	8063	8066	8069	8077	8082	8099	10	21	8168	16	40	8036	132	15
8100	8095	8094	8084	8083	8089	8093	8093	8089	8101	12	00	8139	19	13	8081	58	16
8109	8099	8097	8103	8105	8104	8101	8096	8103	8108	11	00	8141	17	35	8087	54	17
8110	8101	8101	8097	8093	8096	8097	8094	8094	8109	11	00	8149	1	00	8089	60	18
8125	8116	8113	8107	8102	8110	8107	8104	8103	8113	11	00	8146	8	38	8091	55	19
8124	8118	8111	8111	8110	8108	8107	8112	8112	8117	12	05	8151	6	00	8094	57	20
8126	8119	8116	8115	8116	8118	8116	8115	8117	8123	11	00	8155	4	00	8100	55	21
8115	8108	8110	8112	8113	8110	8108	8105	8104	8122	11	26	8163	4	00	8102	61	22
8123	8119	8120	8116	8118	8116	8115	8112	8111	8124	11	51	8162	0	21	8101	61	23
8127	8120	8117	8111	8109	8106	8104	8107	8103	8122	11	00	8158	24	00	8103	55	24
8134	8130	8126	8118	8117	8116	8115	8117	8115	8126	12	00	8156	0	01	8103	53	25
8140	8132	8126	8126	8126	8124	8121	8119	8117	8132	10	12	8166	0	01	8115	51	26
8131	8125	8119	8119	8117	8115	8113	8118	8113	8130	10	46	8164	23	36	8112	52	27
8129	8121	8123	8115	8114	8111	8116	8118	8118	8125	11	00	8160	2	00	8104	56	28
8140	8133	8127	8127	8127	8127	8125	8123	8121	8131	12	00	8162	5	00	8113	49	29
8140	8135	8135	8126	8125	8121	8122	8116	8123	8127	12	00	8146	7	00	8112	34	30
8122	8114	8111	8110	8110	8110	8109	8108	8108	8120	----------		8158	----------		8096	62	--------
8124	8119	8117	8115	8113	8113	8112	8111	8111	8121	----------		8157	----------		8100	57	--------

HOURLY VALUES OF HORIZONTAL INTENSITY.

MAY, 1912. 30000 γ plus tabular quantities.

DAY.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1[a]	8115	8116	8117	8118	8120	8121	8124	8135	8147	8158	8159	8156	8146	8137	8132
2	8116	8121	8120	8118	8117	8122	8124	8132	8140	8151	8146	8148	8142	8133	8119
3	8102	8115	8110	8108	8109	8112	8114	8118	8122	8135	8140	8137	8134	8129	8114
4	8117	8116	8112	8110	8113	8112	8112	8112	8117	8122	8129	8133	8126	8123	8118
5	8108	8106	8105	8109	8117	8119	8122	8145	8158	8162	8165	8168	8172	8158	8138
6	8085	8085	8087	8090	8090	8094	8101	8111	8129	8139	8143	8141	8136	8129	8121
7	8094	8092	8092	8093	8093	8094	8095	8105	8120	8137	8140	8142	8136	8129	8119
8	8099	8101	8101	8098	8097	8098	8099	8103	8112	8122	8129	8125	8124	8121	8109
9	8091	8091	8091	8092	8092	8092	8096	8105	8115	8128	8136	8131	8129	8121	8107
10	8090	8088	8087	8090	8089	8091	8099	8105	8113	8117	8126	8124	8122	8118	8114
11	8098	8099	8096	8098	8103	8108	8114	8119	8127	8137	8139	8140	8136	8130	8122
12	8094	8093	8092	8101	8101	8104	8108	8112	8116	8144	8139	8128	8113	8090	8082
13	8093	8094	8096	8095	8095	8105	8105	8106	8099	8097	8123	8126	8116	8099	8091
14	8090	8088	8095	8079	8078	8074	8082	8087	8093	8108	8114	8121	8107	8095	8078
15	8086	8083	8084	8081	8082	8085	8886	8094	8105	8108	8119	8118	8117	8113	8114
16[a]	8093	8091	8090	8087	8088	8090	8094	8103	8114	8115	8120	8123	8114	8108	8100
17	8095	8097	8097	8096	8094	8101	8108	8115	8121	8123	8126	8122	8119	8113	8109
18	8093	8101	8099	8098	8102	8108	8111	8115	8124	8130	8132	8127	8128	8130	8126
19	8093	8095	8094	8089	8094	8095	8107	8116	8129	8132	8136	8131	8124	8116	8106
20	8103	8102	8099	8106	8103	8104	8111	8121	8132	8147	8158	8153	8146	8132	8115
21	8099	8106	8104	8102	8101	8109	8117	8125	8135	8141	8145	8133	8129	8120	8117
22[a]	8102	8104	8102	8101	8099	8106	8107	8111	8121	8126	8124	8122	8123	8125	8122
23[a]	8106	8107	8108	8107	8106	8105	8111	8118	8129	8141	8142	8143	8141	8138	8133
24	8106	8106	8108	8107	8113	8113	8118	8126	8134	8144	8145	8144	8140	8136	8131
25	8117	8122	8122	8121	8117	8106	8114	8124	8139	8146	8144	8142	8140	8133	8119
26[a]	8103	8100	8100	8100	8097	8104	8111	8112	8117	8123	8129	8133	8124	8122	8120
27	8109	8111	8111	8111	8112	8112	8122	8129	8131	8138	8141	8138	8135	8128	8124
28	8109	8109	8109	8108	8106	8113	8119	8125	8130	8135	8142	8140	8136	8134	8122
29	8109	8109	8109	8108	8106	8106	8111	8122	8129	8135	8142	8138	8133	8130	8126
30	8104	8104	8111	8109	8110	8112	8116	8128	8143	8154	8164	8162	8156	8146	8135
31	8107	8103	8102	8105	8107	8108	8113	8126	8137	8153	8155	8151	8147	8143	8137
Mean	8101	8102	8102	8101	8102	8104	8109	8116	8125	8134	8138	8137	8132	8125	8117
Mean[a]	8104	8104	8103	8103	8102	8105	8109	8116	8126	8133	8135	8135	8130	8126	8121

JUNE, 1912. 30000 γ plus tabular quantities.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8109	8108	8117	8121	8118	8116	8133	8142	8154	8156	8149	8140	8129	8114	8111
2	8095	8095	8096	8093	8097	8105	8109	8117	8131	8143	8146	8140	8126	8111	8106
3	8095	8094	8092	8091	8095	8103	8107	8115	8121	8129	8127	8126	8123	8099	8096
4	8101	8100	8100	8102	8100	8099	8101	8112	8125	8134	8132	8130	8125	8118	8111
5[a]	8095	8097	8099	8101	8099	8098	8103	8113	8125	8131	8136	8133	8132	8130	8119
6[a]	8100	8103	8102	8100	8099	8099	8102	8111	8120	8126	8131	8132	8127	8123	8119
7	8109	8107	8105	8106	8107	8108	8116	8129	8138	8145	8152	8149	8146	8140	8128
8	8114	8119	8127	8129	8127	8123	8111	8122	8132	8145	8133	8126	8117	8114	8096
9	8086	8089	8089	8092	8094	8093	8098	8106	8117	8109	8111	8111	8116	8116	8101
10	8091	8089	8088	8084	8084	8095	8097	8099	8103	8106	8104	8108	8120	8117	8109
11	8091	8105	8096	8095	8094	8101	8107	8122	8136	8140	8142	8130	8126	8120	8111
12	8091	8091	8091	8090	8088	8093	8098	8109	8120	8123	8122	8118	8114	8117	8112
13	8091	8089	8086	8088	8092	8094	8103	8117	8127	8136	8129	8120	8115	8109	8104
14	8091	8088	8087	8088	8090	8094	8102	8113	8126	8135	8132	8128	8118	8114	8104
15[a]	8094	8095	8091	8090	8089	8095	8101	8104	8109	8117	8110	8107	8104	8109	8104
16	8095	8096	8098	8096	8094	8098	8106	8113	8119	8122	8125	8118	8114	8112	8110
17	8095	8094	8094	8092	8098	8101	8108	8115	8125	8135	8137	8132	8128	8122	8119
18	8098	8104	8098	8101	8099	8090	8096	8104	8112	8118	8123	8121	8118	8115	8113
19[a]	8095	8097	8098	8100	8102	8099	8102	8113	8132	8140	8145	8143	8140	8136	8127
20[a]	8108	8104	8100	8099	8098	8099	8110	8122	8132	8145	8154	8159	8154	8145	8132
21	8102	8101	8102	8101	8100	8107	8109	8114	8123	8129	8141	8150	8144	8134	8123
22	8104	8103	8101	8099	8100	8104	8111	8120	8131	8138	8143	8140	8139	8141	8135
23	8101	8102	8104	8102	8103	8105	8111	8116	8134	8144	8146	8138	8129	8123	8114
24	8115	8112	8113	8110	8109	8105	8111	8116	8123	8141	8139	8136	8130	8124	8121
25	8097	8096	8096	8096	8095	8101	8108	8123	8127	8129	8130	8131	8130	8125	8119
26	8104	8102	8101	8103	8103	8106	8112	8118	8135	8142	8139	8136	8138	8134	8123
27	8103	8099	8102	8101	8099	8105	8103	8123	8134	8139	8144	8147	8143	8140	8126
28	8095	8095	8094	8095	8096	8099	8108	8122	8136	8139	8142	8140	8135	8131	8116
29	8093	8092	8089	8090	8093	8100	8105	8111	8116	8120	8128	8132	8131	8129	8116
30	8095	8097	8097	8097	8093	8099	8105	8117	8128	8130	8133	8131	8126	8125	8119
Mean	8098	8099	8098	8098	8098	8101	8106	8116	8126	8133	8134	8132	8128	8123	8115
Mean[a]	8098	8099	8098	8098	8097	8098	8104	8113	8124	8132	8135	8135	8131	8129	8120

[a] Five international quiet days.

HOURLY VALUES OF HORIZONTAL INTENSITY.

MAY, 1912. 30000 γ plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
8126	8124	8123	8122	8121	8120	8119	8118	8117	8129	11 00	8159	1 15	8112	47	1
8118	8118	8117	8111	8113	8111	8110	8109	8103	8123	10 00	8151	24 00	8103	48	2
8111	8114	8116	8112	8113	8120	8125	8122	8121	8119	11 00	8140	1 00	8102	38	3
8111	8110	8105	8104	8108	8105	8106	8107	8109	8114	11 44	8134	19 00	8104	30	4
8133	8086	8084	8062	8058	8085	8087	8090	8085	8118	10 32	8187	19 32	8044	143	5
8114	8106	8093	8091	8083	8092	8090	8090	8104	8106	11 00	8143	19 52	8071	72	6
8112	8107	8100	8091	8102	8100	8098	8096	8100	8108	12 00	8142	19 00	8091	51	7
8104	8087	8075	8095	8083	8085	8085	8092	8091	8101	10 45	8133	18 00	8075	58	8
8100	8095	8092	8093	8094	8095	8093	8092	8092	8103	11 00	8136	2 35	8090	46	9
8114	8109	8107	8107	8105	8102	8102	8102	8099	8105	11 08	8128	3 00	8087	41	10
8115	8112	8108	8106	8105	8105	8097	8099	8098	8113	12 00	8140	3 00	8096	44	11
8075	8091	8083	8075	8080	8076	8085	8087	8090	8098	10 00	8144	19 00	8075	69	12
8082	8053	8041	8060	8078	8086	8088	8089	8092	8092	12 00	8126	18 13	8038	88	13
8073	8078	8091	8094	8095	8092	8088	8083	8091	8091	12 10	8123	16 00	8073	50	14
8109	8102	8096	8097	8097	8096	8094	8092	8092	8098	11 00	8119	4 00	8081	38	15
8099	8098	8100	8101	8101	8097	8094	8093	8092	8100	12 00	8123	4 00	8087	36	16
8105	8102	8098	8096	8093	8095	8096	8096	8096	8105	11 00	8126	20 20	8091	35	17
8117	8114	8112	8112	8111	8104	8101	8097	8095	8112	11 00	8132	1 00	8093	39	18
8097	8094	8093	8094	8091	8091	8091	8095	8094	8104	11 00	8136	4 00	8089	47	19
8109	8102	8100	8099	8100	8101	8101	8096	8100	8114	11 00	8158	23 00	8096	62	20
8115	8113	8107	8106	8108	8107	8106	8101	8103	8115	11 00	8145	1 00	8099	46	21
8116	8110	8112	8111	8109	8110	8110	8107	8103	8112	10 00	8126	5 00	8099	27	22
8125	8115	8112	8111	8109	8109	8108	8106	8104	8118	12 00	8143	24 00	8104	39	23
8121	8113	8111	8111	8115	8116	8117	8118	8117	8121	11 00	8145	0 01	8105	40	24
8112	8112	8112	8113	8109	8105	8105	8101	8104	8120	10 21	8147	23 00	8101	46	25
8114	8110	8110	8109	8108	8107	8107	8105	8107	8111	12 00	8133	5 00	8097	36	26
8116	8113	8110	8111	8113	8108	8110	8110	8108	8119	11 00	8141	0 22	8106	35	97
8116	8115	8116	8120	8119	8114	8112	8113	8110	8120	11 00	8142	5 00	8106	36	28
8123	8122	8119	8115	8109	8107	8108	8108	8106	8118	11 00	8142	20 07	8104	38	29
8123	8116	8115	8116	8116	8112	8110	8108	8111	8124	11 00	8164	1 18	8103	61	30
8130	8122	8117	8116	8114	8111	8103	8102	8103	8121	10 33	8157	22 11	8097	60	31
8111	8105	8102	8102	8102	8102	8101	8101	8101	8111	----------	8141	----------	8091	50	--------
8116	8111	8111	8111	8110	8109	8108	8106	8106	8114	----------	8137	----------	8100	37	--------

JUNE, 1912. 30000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
8102	8069	8087	8089	8100	8095	8098	8098	8098	8115	10 33	8164	17 00	8069	95	1
8104	8102	8096	8104	8099	8103	8104	8102	8098	8109	11 00	8146	4 00	8093	53	2
8103	8098	8098	8102	8102	8103	8105	8101	8099	8105	10 00	8129	4 00	8091	38	3
8106	8105	8105	8102	8099	8098	8101	8101	8099	8109	10 34	8138	20 45	8092	46	4
8114	8108	8106	8105	8107	8109	8107	8104	8102	8111	11 00	8136	1 00	8095	41	5
8112	8107	8109	8110	8111	8111	8109	8109	8110	8112	12 00	8132	5 19	8098	34	6
8116	8107	8110	8110	8109	8108	8109	8109	8113	8120	11 00	8152	3 00	8105	47	7
8091	8085	8096	8092	8088	8086	8092	8093	8088	8110	10 00	8145	19 30	8080	65	8
8099	8097	8096	8095	8105	8093	8091	8095	8088	8099	9 22	8121	1 00	8086	35	9
8099	8097	8098	8100	8092	8098	8098	8092	8090	8098	12 45	8122	4 50	8083	39	10
8097	8089	8086	8088	8096	8095	8092	8090	8093	8106	11 00	8142	18 00	8086	56	11
8106	8101	8099	8101	8100	8094	8098	8095	8093	8103	10 32	8125	5 00	8088	37	12
8098	8096	8093	8091	8092	8096	8098	8096	8094	8102	10 00	8136	3 00	8086	50	13
8100	8094	8092	8093	8096	8098	8099	8101	8100	8103	10 00	8135	3 00	8087	48	14
8100	8098	8095	8098	8099	8101	8102	8103	8104	8101	10 00	8117	5 00	8089	28	15
8106	8104	8100	8099	8098	8097	8094	8095	8097	8104	11 00	8125	0 46	8093	32	16
8113	8107	8097	8097	8096	8096	8096	8095	8095	8108	11 00	8137	4 00	8092	45	17
8108	8103	8102	8101	8097	8099	8095	8096	8096	8104	11 14	8125	6 00	8090	35	18
8117	8111	8106	8110	8112	8110	8108	8107	8106	8115	11 35	8150	0 33	8091	59	19
8113	8102	8101	8102	8102	8100	8099	8099	8100	8116	12 00	8159	5 00	8098	61	20
8119	8114	8109	8105	8108	8108	8108	8105	8109	8115	12 00	8150	5 00	8100	50	21
8119	8114	8105	8109	8111	8110	8109	8102	8098	8116	11 00	8143	23 13	8097	46	22
8111	8108	8107	8112	8109	8112	8122	8119	8121	8116	11 00	8146	0 09	8095	51	23
8112	8101	8096	8104	8097	8094	8091	8092	8095	8112	10 31	8146	22 00	8091	55	24
8111	8105	8102	8102	8101	8102	8103	8104	8104	8110	12 00	8131	5 00	8095	36	25
8113	8103	8105	8105	8105	8100	8100	8103	8102	8114	10 00	8142	21 45	8099	43	26
8089	8076	8073	8081	8092	8098	8097	8095	8093	8108	12 00	8147	18 00	8073	74	27
8093	8084	8091	8092	8092	8092	8087	8086	8091	8106	11 00	8142	17 00	8084	58	28
8101	8089	8088	8086	8088	8089	8087	8092	8098	8103	12 00	8132	17 21	8080	52	29
8106	8102	8095	8095	8097	8095	8092	8093	8093	8107	11 00	8133	22 00	8092	41	30
8106	8099	8098	8099	8100	8100	8100	8099	8099	8109	----------	8138	----------	8090	48	--------
8111	8105	8103	8105	8106	8106	8105	8104	8104	8111	----------	8139	----------	8094	45	--------

HOURLY VALUES OF HORIZONTAL INTENSITY.

JULY, 1912. 30000 γ plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8094	8096	8100	8099	8101	8104	8106	8114	8123	8130	8129	8127	8120	8112	8113
2	8099	8099	8099	8097	8095	8104	8113	8123	8132	8143	8140	8131	8121	8114	8109
3	8103	8104	8104	8104	8107	8110	8122	8135	8145	8147	8156	8152	8149	8147	8143
4	8122	8125	8127	8131	8132	8132	8135	8140	8147	8170	8173	8154	8145	8139	8135
5	8096	8099	8104	8106	8100	8102	8111	8110	8117	8128	8135	8132	8111	8117	8121
6	8105	8108	8104	8106	8108	8109	8112	8116	8131	8148	8163	8159	8151	8145	8136
7	8103	8107	8104	8103	8103	8104	8105	8115	8129	8133	8141	8139	8136	8134	8123
8	8113	8106	8109	8101	8105	8107	8109	8114	8124	8134	8136	8140	8148	8143	8132
9	8101	8102	8103	8105	8107	8108	8109	8101	8121	8134	8140	8137	8131	8122	8115
10[a]	8107	8110	8112	8110	8109	8108	8114	8120	8129	8134	8138	8137	8137	8135	8129
11[a]	8118	8120	8118	8119	8117	8119	8125	8130	8131	8145	8147	8150	8146	8144	8135
12[a]	8118	8119	8117	8119	8121	8122	8134	8142	8159	8173	8171	8168	8160	8152	8137
13	8126	8124	8123	8121	8122	8129	8135	8144	8150	8160	8162	8158	8154	8152	8145
14	8122	8121	8120	8120	8118	8126	8129	8133	8146	8161	8168	8166	8157	8145	8135
15[a]	(8116)	(8116)	(8116)	(8117)	(8118)	(8121)	(8127)	(8136)	8147	8153	8152	8157	8154	8145	8128
16	8113	8116	8113	8114	8112	8119	8130	8136	8147	8150	8158	8153	8150	8132	8113
17	8105	8104	8104	8103	8102	8110	8113	8119	8132	8144	8140	8138	8139	8135	8127
18	8112	8111	8108	8106	8104	8112	8117	8123	8125	8125	8120	8119	8113	8111	8102
19	8107	8111	8113	8110	8110	8113	8121	8129	8142	8135	8143	8144	8145	8143	8137
20	8111	8117	8120	8118	8113	8121	8128	8132	8137	8147	8152	8143	8143	8137	8109
21	8112	8111	8107	8109	8110	8113	8122	8129	8135	8137	8138	8135	8127	8116	8106
22	8103	8104	8108	8108	8106	8105	8104	8114	8119	8124	8133	8129	8121	8110	8102
23	8093	8097	8096	8101	8099	8103	8111	8114	8120	8121	8123	8127	8125	8118	8110
24[a]	8097	8097	8098	8099	8099	8105	8116	8124	8138	8141	8137	8136	8126	8123	8117
25	8107	8107	8107	8110	8111	8112	8114	8121	8127	8129	8134	8132	8127	8123	8118
26	8108	8103	8100	8099	8106	8115	8121	8129	8136	8140	8137	8133	8124	8105	8098
27	8092	8099	8099	8101	8099	8106	8107	8116	8117	8125	8106	8097	8083	8080	8086
28	8078	8079	8079	8085	8089	8097	8102	8104	8111	8119	8120	8118	8115	8109	8099
29	8090	8088	8087	8090	8091	8093	8099	8111	8116	8121	8125	8122	8116	8105	8098
30	8080	8079	8078	8081	8084	8095	8103	8112	8123	8133	8135	8131	8125	8116	8103
31	8071	8075	8077	8079	8080	8084	8092	8097	8105	8109	8117	8119	8115	8107	8102
Mean	8104	8105	8105	8106	8106	8110	8116	8122	8131	8138	8141	8138	8133	8126	8118
Mean[a]	8111	8112	8112	8113	8113	8115	8123	8130	8141	8149	8149	8150	8145	8140	8129

AUGUST, 1912. 30000 γ plus tabular quantities.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8094	8091	8082	8096	8091	8091	8108	8112	8117	8121	8124	8121	8080	8093	8095
2	8078	8079	8077	8077	8077	8083	8089	8098	8117	8127	8129	8126	8118	8102	8093
3	8082	8084	8083	8086	8089	8094	8103	8106	8117	8118	8121	8127	8120	8104	8096
4[a]	8089	8090	8092	8091	8089	8089	8095	8098	8112	8127	8135	8128	8116	8110	8104
5	8090	8091	8091	8092	8092	8095	8103	8113	8124	8133	8142	8140	8130	8124	8114
6	8100	8105	8101	8101	8098	8108	8100	8087	8084	8075	8067	8049	8029	8014	7994
7	8053	8076	8072	8072	8076	8081	8093	8106	8107	8101	8105	8112	8109	8104	8093
8[a]	8082	8081	8082	8082	8082	8084	8087	8089	8094	8097	8100	8099	8095	8098	8096
9	8085	8087	8087	8088	8089	8092	8099	8103	8107	8115	8119	8124	8120	8109	8100
10	8093	8094	8095	8095	8096	8100	8102	8106	8112	8120	8122	8120	8118	8113	8112
11	8099	8102	8097	8096	8088	8090	8089	8089	8091	8102	8115	8119	8127	8121	8115
12[a]	8094	8096	8096	8094	8092	8100	8113	8122	8138	8145	8143	8138	8127	8112	8106
13[a]	8090	8091	8089	8090	8090	8091	8096	8108	8119	8138	8143	8147	8138	8127	8117
14	8091	8094	8096	8097	8098	8107	8119	8129	8138	8140	8150	8144	8135	8128	8120
15	8090	8093	8095	8095	8096	8101	8107	8120	8123	8138	8135	8134	8129	8115	8107
16	8097	8094	8094	8093	8093	8098	8103	8114	8117	8129	8133	8138	8135	8128	8114
17	8095	8094	8097	8100	8099	8099	8098	8106	8107	8120	8139	8137	8128	8118	8100
18	8089	8090	8091	8093	8095	8096	8101	8105	8118	8130	8131	8133	8129	8117	8111
19	8093	8095	8091	8089	8101	8097	8076	8072	8073	8083	8096	8107	8101	8096	8092
20	8081	8078	8089	8084	8085	8086	8093	8096	8105	8114	8125	8128	8122	8118	8108
21	8096	8091	8093	8097	8093	8096	8095	8096	8103	8122	8135	8140	8137	8129	8109
22	8075	8080	8081	8083	8084	8091	8098	8104	8109	8128	8116	8109	8107	8114	8104
23	8086	8083	8080	8079	8086	8087	8094	8103	8115	8123	8124	8123	8121	8105	8085
24	8085	8101	8091	8087	8085	8087	8090	8099	8109	8119	8122	8118	8111	8102	8090
25	8078	8079	8087	8088	8089	8089	8096	8099	8108	8111	8113	8110	8108	8101	8094
26[a]	8089	8088	8085	8086	8086	8087	8091	8099	8111	8119	8123	8120	8114	8111	8104
27	8085	8086	8086	8091	8084	8091	8093	8098	8104	8107	8109	8110	8122	8127	8123
28	8076	8087	8098	8094	8093	8096	8100	8105	8113	8117	8127	8118	8115	8107	8101
29	8077	8084	8083	8084	8085	8086	8090	8094	8111	8121	8126	8123	8111	8101	8094
30	8086	8092	8088	8090	8089	8093	8095	8103	8110	8122	8114	8110	8107	8102	8095
31	8092	8093	8091	8093	8092	8095	8096	8106	8125	8127	8116	8101	8099	8096	8095
Mean	8087	8089	8089	8090	8090	8093	8097	8103	8111	8119	8123	8121	8115	8108	8099
Mean[a]	8089	8089	8089	8089	8088	8090	8096	8103	8115	8125	8129	8126	8118	8112	8105

[a] Five international quiet days.

HOURLY VALUES OF HORIZONTAL INTENSITY.

JULY, 1912. 30000 γ plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
8115	8103	8099	8101	8095	8100	8101	8102	8102	8108	10 00	8130	1 00	8094	36	1
8105	8102	8100	8100	8100	8099	8100	8101	8103	8110	10 00	8143	5 00	8095	48	2
8126	8122	8119	8111	8108	8108	8108	8108	8112	8123	11 00	8156	1 00	8103	53	3
8096	8095	8099	8101	8105	8107	8097	8093	8092	8125	11 00	8173	23 14	8089	84	4
8106	8087	8080	8098	8089	8094	8099	8095	8094	8105	11 00	8135	18 16	8078	57	5
8124	8110	8101	8093	8092	8094	8093	8096	8100	8117	11 00	8163	19 08	8090	73	6
8113	8103	8101	8103	8106	8107	8108	8109	8112	8114	11 00	8141	17 41	8100	41	7
8115	8108	8107	8106	8104	8099	8102	8103	8103	8115	13 00	8148	21 35	8097	51	8
8106	8105	8105	8103	8102	8107	8108	8106	8107	8112	11 00	8140	1 00	8101	39	9
8122	8117	8114	8112	8112	8114	8115	8116	8117	8120	11 00	8138	1 00	8107	31	10
8130	8123	8115	8114	8112	8111	8114	8116	8116	8126	12 00	8150	21 00	8111	39	11
8127	8124	8121	8122	8122	8122	8121	8122	8127	8134	10 42	8174	3 00	8117	57	12
8134	8127	8119	8120	8123	8123	8122	8121	8121	8134	11 00	8162	18 00	8119	43	13
8128	8126	(8123)	(8120)	(8118)	(8117)	(8116)	(8115)	(8116)	8131	11 00	8168	23 00	(8115)	53	14
8117	8112	8110	8110	8109	8109	8108	8108	8109	8125	11 28	8160	22 12	8107	53	15
8088	8094	8099	8101	8103	8103	8104	8105	8105	8119	11 21	8159	16 16	8086	73	16
8123	8118	8112	8111	8112	8113	8113	8113	8121	8119	10 00	8144	5 00	8102	42	17
8102	8105	8106	8107	8107	8107	8106	8107	8105	8111	11 20	8126	15 08	8101	25	18
8125	8112	8108	8104	8103	8101	8102	8104	8110	8120	13 00	8145	21 00	8101	44	19
8094	8092	8092	8095	8100	8104	8107	8107	8108	8118	11 00	8152	17 43	8090	62	20
8103	8102	8101	8097	8098	8104	8106	8106	8104	8114	11 00	8138	19 00	8097	41	21
8095	8092	8090	8090	8089	8086	8086	8083	8088	8104	11 00	8133	23 00	8083	50	22
8102	8096	8096	8099	8099	8097	8094	8092	8096	8105	12 00	8127	0 08	8089	38	23
8114	8106	8105	8103	8102	8103	8104	8105	8106	8113	10 00	8141	0 01	8096	45	24
8116	8108	8102	8100	8100	8102	8104	8109	8111	8114	11 00	8134	19 05	8099	35	25
8096	8089	8091	8094	8094	8087	8092	8087	8094	8107	10 00	8140	20 44	8084	56	26
8081	8085	8084	8081	8083	8081	8078	8082	8082	8094	10 00	8125	22 00	8078	47	27
8094	8092	8090	8088	8087	8089	8089	8091	8090	8096	11 00	8120	1 00	8078	42	28
8094	8093	8088	8084	8082	8082	8083	8083	8082	8097	11 00	8125	18 22	8081	44	29
8094	8079	8067	8066	8066	8068	8067	8067	8068	8092	11 37	8137	18 07	8065	72	30
8089	8086	8084	8084	8099	8103	8094	8096	8094	8094	12 54	8120	0 01	8068	52	31
8109	8104	8101	8101	8101	8101	8101	8102	8103	8113	----------	8143	----------	8094	49	--------
8122	8116	8113	8112	8111	8112	8112	8113	8115	8124	----------	8153	----------	8108	45	--------

AUGUST, 1912. 30000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
8092	8080	8076	8073	8072	8071	8070	8078	8078	8092	11 40	8138	22 00	8070	68	1
8091	8089	8087	8084	8083	8081	8081	8075	8081	8093	11 29	8131	23 18	8074	57	2
8090	8082	8081	8082	8090	8089	8089	8089	8088	8096	12 00	8127	18 00	8081	46	3
8099	8098	8097	8094	8093	8092	8092	8087	8090	8100	11 18	8136	23 00	8087	49	4
8103	8100	8095	8093	8092	8091	8095	8102	8103	8106	11 00	8142	1 00	8090	52	5
8019	8018	8004	8002	8013	8009	8017	8037	8046	8053	6 40	8110	15 00	7994	116	6
8092	8091	8090	8087	8086	8087	8082	8082	8080	8089	8 28	8118	0 01	8046	72	7
8097	8096	8094	8089	8086	8087	8088	8090	8089	8090	11 00	8100	0 01	8080	20	8
8098	8096	8089	8087	8086	8092	8093	8093	8094	8098	12 00	8124	1 00	8085	39	9
8106	8104	8103	8099	8098	8097	8097	8098	8098	8104	11 00	8122	1 00	8093	29	10
8104	8100	8097	8098	8100	8097	8095	8094	8097	8101	13 00	8127	5 00	8088	39	11
8104	8096	8094	8093	8091	8090	8088	8099	8099	8107	10 33	8146	22 00	8088	58	12
8106	8098	8096	8094	8093	8092	8090	8091	8092	8105	12 00	8147	3 00	8089	58	13
8111	8107	8101	8090	8081	8089	8090	8089	8086	8110	11 22	8152	20 00	8081	71	14
8103	8100	8095	8093	8094	8099	8098	8099	8097	8106	10 00	8138	0 01	8086	52	15
8111	8102	8101	8101	8100	8101	8104	8102	8096	8107	12 00	8138	1 46	8092	46	16
8094	8090	8076	8081	8071	8079	8081	8083	8089	8099	10 43	8141	20 00	8071	70	17
8099	8093	8089	8083	8085	8087	8082	8086	8088	8101	12 00	8133	22 00	8082	51	18
8094	8077	8078	8077	8085	8077	8073	8093	8082	8087	12 00	8107	7 32	8060	47	19
8105	8102	8095	8090	8086	8090	8087	8088	8086	8098	11 39	8129	2 00	8078	51	20
8100	8093	8081	8071	8068	8071	8072	8076	8077	8098	11 27	8142	19 25	8066	76	21
8093	8091	8083	8083	8083	8084	8091	8081	8091	8094	10 00	8128	1 00	8075	53	22
8080	8075	8071	8075	8080	8076	8074	8079	8083	8091	11 00	8124	18 00	8071	53	23
8084	8080	8082	8082	8083	8084	8078	8078	8077	8093	11 00	8122	24 00	8077	45	24
8093	8091	8089	8088	8089	8086	8086	8084	8085	8093	11 17	8115	1 00	8078	37	25
8096	8093	8090	8087	8085	8088	8080	8084	8085	8096	11 00	8123	22 00	8080	43	26
8114	8102	8088	8071	8068	8079	8082	8089	8091	8096	14 00	8127	19 28	8064	63	27
8098	8095	8093	8088	8087	8087	8087	8085	8082	8098	11 17	8131	1 00	8076	55	28
8090	8086	8085	8085	8085	8085	8085	8083	8083	8093	11 35	8129	1 00	8077	52	29
8093	8096	8096	8088	8089	8089	8093	8091	8091	8097	10 00	8122	0 01	8082	40	30
8094	8095	8090	8089	8089	8086	8085	8083	8084	8096	9 40	8134	23 00	8083	51	31
8095	8091	8087	8084	8084	8084	8084	8086	8087	8096	----------	8129	----------	8076	53	--------
8100	8096	8094	8091	8090	8090	8088	8090	8091	8100	----------	8130	----------	8085	45	--------

HOURLY VALUES OF HORIZONTAL INTENSITY.

SEPTEMBER, 1912. 30000 γ plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8086	8087	8085	8081	8077	8082	8095	8098	8103	8115	8118	8110	8108	8098	8091
2[a]	8083	8084	8084	8085	8086	8092	8095	8100	8112	8117	8119	8115	8109	8105	8098
3	8088	8086	8087	8088	8089	8093	8093	8098	8108	8115	8118	8115	8107	8098	8095
4	8089	8089	8089	8090	8092	8114	8113	8111	8127	8124	8118	8119	8114	8103	8098
5	8081	8078	8074	8075	8080	8081	8083	8088	8101	8111	8117	8115	8114	8111	8104
6	8084	8084	8085	8086	8087	8089	8094	8103	8105	8107	8117	8105	8102	8096	8094
7	8092	8092	8092	8090	8092	8096	8097	8105	8126	8136	8138	8134	8130	8116	8107
8	8088	8083	8087	8084	8090	8092	8099	8117	8126	8127	8128	8126	8123	8120	8111
9	8087	8091	8092	8098	8100	8102	8105	8108	8114	8123	8121	8119	8112	8108	8100
10	8085	8088	8086	8087	8087	8088	8085	8089	8096	8103	8106	8093	8096	8102	8100
11	8083	8082	8079	8087	8089	8095	8104	8114	8124	8140	8138	8122	8108	8104	8100
12	8092	8092	8088	8093	8092	8092	8099	8112	8128	8141	8139	8131	8114	8101	8098
13	8079	8083	8083	8085	8089	8084	8086	8093	8102	8120	8125	8122	8119	8113	8100
14	8087	8085	8090	8091	8087	8090	8094	8105	8127	8145	8147	8140	8130	8111	8103
15[a]	8088	8088	8088	8085	8087	8084	8083	8088	8100	8116	8128	8131	8124	8117	8105
16[a]	8092	8090	8094	8094	8092	8093	8094	8101	8114	8123	8126	8122	8112	8101	8090
17	8079	8080	8079	8080	8080	8084	8080	8086	8099	8116	8125	8123	8117	8107	8094
18	8035	8064	8072	8072	8085	8077	8063	8068	8080	8093	8088	8081	8079	8077	8069
19	8071	8072	8072	8075	8077	8077	8074	8074	8084	8098	8108	8106	8098	8093	8084
20	8071	8070	8070	8072	8077	8078	8080	8084	8093	8094	8104	8089	8091	8093	8089
21	8069	8073	8074	8075	8075	8081	8085	8087	8099	8110	8112	8106	8103	8102	8096
22	8073	8076	8075	8079	8081	8081	8085	8092	8099	8109	8106	8106	8104	8097	8094
23	8077	8075	8077	8080	8083	8085	8098	8102	8121	8125	8139	8136	8131	8127	8119
24	8070	8087	8085	8081	8089	8088	8087	8105	8113	8109	8088	8066	8046	8034	8016
25	8061	8061	8062	8067	8073	8072	8052	8069	8081	8090	8101	8103	8094	8078	8074
26	8065	8066	8067	8067	8066	8067	8061	8063	8076	8095	8093	8094	8094	8089	8083
27[a]	8080	8079	8079	8080	8080	8081	8082	8089	8097	8113	8122	8115	8109	8099	8092
28[a]	8075	8077	8074	8076	8078	8078	8078	8083	8090	8104	8116	8119	8114	8107	8103
29	8080	8081	8088	8086	8086	8083	8083	8090	8099	8118	8120	8121	8109	8105	8097
30	8090	8087	8088	8082	8084	8083	8079	8080	8091	8105	8113	8109	8108	8099	8094
Mean	8081	8081	8082	8082	8084	8086	8087	8093	8104	8115	8118	8113	8107	8100	8093
Mean[a]	8084	8084	8084	8084	8085	8086	8086	8092	8103	8115	8122	8120	8114	8106	8098

OCTOBER, 1912. 30000 γ plus tabular quantities.

	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8078	8079	8077	8080	8082	8093	8092	8100	8104	8131	8146	8131	8106	8078	8060
2[a]	8042	8049	8052	8058	8063	8064	8065	8070	8080	8091	8100	8104	8102	8099	8093
3	8080	8081	8080	8077	8075	8073	8078	8082	8095	8109	8114	8110	8107	8094	8087
4	8077	8078	8080	8082	8083	8086	8088	8093	8101	8122	8127	8122	8117	8113	8104
5[a]	8075	8076	8076	8077	8078	8079	8081	8088	8101	8122	8141	8139	8123	8108	8096
6	8089	8089	8088	8089	8083	8085	8086	8091	8099	8118	8130	8139	8130	8118	8106
7	8074	8075	8077	8080	8082	8084	8084	8089	8105	8118	8128	8133	8121	8106	8100
8	8088	8089	8090	8091	8096	8092	8088	8090	8095	8115	8127	8121	8108	8093	8081
9	8078	8080	8080	8081	8081	8082	8086	8105	8119	8133	8145	8134	8122	8108	8098
10	8082	8082	8080	8081	8080	8082	8087	8096	8108	8128	8137	8132	8120	8105	8094
11	8089	8087	8086	8086	8084	8084	8087	8090	8094	8114	8114	8116	8118	8111	8103
12	8057	8037	8077	8080	8084	8035	8087	8095	8106	8114	8122	8123	8107	8092	8091
13	8073	8076	8078	8080	8083	8036	8079	8084	8094	8099	8110	8117	8102	8076	8076
14	8073	8071	8072	8073	8076	8078	8085	8090	8103	8113	8123	8114	8107	8100	8083
15	8053	8064	8066	8051	8074	8059	8045	8055	8061	8089	8104	8102	8087	8077	8072
16	8060	8061	8058	8057	8064	8037	8064	8066	8077	8080	8095	8097	8085	8068	8066
17	8064	8066	8065	8066	8064	8063	8060	8077	8084	8093	8096	8083	8067	8065	8059
18[a]	8064	8066	8065	8063	8063	8054	8064	8071	8085	8099	8108	8104	8100	8088	8083
19[a]	8069	8068	8069	8066	8065	8069	8074	8080	8090	8104	8114	8116	8106	8092	8087
20	8067	8067	8069	8069	8075	8076	8081	8091	8104	8122	8130	8126	8115	8106	8099
21	8079	8097	8085	8088	8089	8090	8090	8091	8094	8104	8114	8111	8101	8094	8085
22	8067	8073	8072	8075	8073	8076	8078	8089	8102	8113	8122	8121	8120	8114	8110
23	8078	8077	8076	8079	8079	8079	8083	8094	8104	8110	8119	8115	8112	8107	8101
24	8079	8080	8077	8076	8075	8077	8085	8093	8107	8118	8128	8124	8115	8102	8099
25	8080	8078	8083	8084	8085	8091	8093	8097	8109	8119	8125	8123	8109	8104	8101
26	8087	8084	8083	8082	8084	8085	8085	8088	8099	8109	8112	8114	8105	8099	8093
27	8087	8087	8088	8087	8091	8093	8095	8101	8118	8122	8120	8117	8106	8097	8095
28	8072	8075	8087	8089	8093	8094	8102	8109	8120	8134	8144	8139	8115	8105	8097
29	8071	8076	8082	8079	8078	8080	8084	8089	8109	8123	8136	8140	8129	8116	8105
30	8084	8087	8088	8089	8088	8088	8097	8105	8112	8125	8131	8118	8112	8103	8094
31[a]	8088	8088	8086	8085	8086	8089	8091	8096	8104	8118	8128	8124	8114	8104	8097
Mean	8074	8077	8077	8077	8079	8080	8082	8089	8099	8113	8122	8120	8109	8098	8091
Mean[a]	8038	8069	8070	8070	8071	8073	8075	8081	8092	8107	8118	8117	8109	8098	8091

[a] Five international quiet days.

HOURLY VALUES OF HORIZONTAL INTENSITY.

SEPTEMBER, 1912. 30000 γ plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
8088	8086	8085	8081	8081	8083	8084	8083	8084	8091	11 25	8120	5 00	8077	43	1
8086	8087	8087	8088	8088	8088	8087	8087	8087	8095	11 00	8119	1 00	8083	36	2
8092	8090	8090	8089	8089	8088	8088	8088	8088	8095	11 10	8119	2 00	8086	33	3
8096	8089	8081	8073	8077	8077	8074	8074	8074	8096	9 06	8128	19 00	8073	55	4
8100	8097	8088	8075	8076	8078	8082	8084	8084	8091	11 00	8117	3 00	8074	43	5
8091	8083	8077	8088	8084	8089	8088	8088	8088	8092	11 00	8117	18 00	8077	40	6
8097	8091	8092	8092	8091	8091	8088	8087	8083	8102	11 00	8138	24 00	8083	55	7
8099	8098	8090	8089	8087	8087	8086	8087	8085	8101	11 00	8128	0 01	8083	45	8
8092	8082	8074	8071	8078	8080	8078	8078	8083	8096	10 00	8123	19 00	8071	52	9
8100	8097	8094	8084	8080	8080	8082	8083	8086	8091	11 00	8106	20 13	8078	28	10
8095	8094	8091	8087	8089	8092	8091	8091	8091	8100	10 00	8140	3 00	8079	61	11
8084	8081	8079	8087	8088	8080	8081	8081	8081	8098	10 00	8141	18 00	8079	62	12
8097	8092	8092	8091	8090	8088	8088	8089	8089	8096	11 00	8125	1 00	8079	46	13
8098	8091	8090	8091	8089	8090	8090	8087	8088	8102	11 00	8147	1 43	8081	66	14
8096	8092	8087	8086	8086	8087	8087	8088	8088	8096	12 00	8131	7 00	8083	48	15
8085	8079	8074	8076	8076	8075	8073	8075	8077	8093	11 00	8126	22 00	8073	53	16
8093	8097	8098	8098	8088	8064	8048	8053	8066	8089	11 19	8127	22 11	8047	80	17
8070	8072	8067	8056	8072	8064	8070	8070	8072	8074	9 43	8097	19 46	8049	48	18
8080	8075	8074	8076	8075	8075	8075	8075	8073	8081	11 00	8108	1 00	8071	37	19
8079	8079	8074	8073	8073	8073	8071	8071	8069	8080	11 00	8104	20 14	8068	36	20
8092	8087	8085	8078	8076	8071	8065	8070	8071	8085	11 00	8112	22 33	8061	51	21
8090	8088	8080	8082	8083	8082	8083	8078	8077	8088	10 00	8109	0 18	8070	39	22
8102	8092	8085	8083	8079	8084	8078	8082	8072	8097	11 00	8139	24 00	8072	67	23
8008	7996	7975	8011	8038	8050	8053	8061	8069	8059	9 31	8117	17 57	7973	144	24
8073	8073	8072	8069	8069	8069	8069	8067	8067	8074	12 00	8103	7 08	8049	54	25
8081	8077	8077	8074	8074	8072	8071	8072	8076	8076	10 33	8096	7 13	8059	37	26
8088	8083	8080	8073	8073	8075	8076	8076	8076	8087	11 00	8122	19 25	8071	51	27
8097	8094	8088	8088	8084	8083	8081	8081	8078	8089	11 41	8121	3 00	8074	47	28
8089	8090	8090	8090	8091	8092	8092	8092	8090	8094	12 00	8121	0 01	8078	43	29
8087	8086	8084	8076	8080	8083	8081	8081	8081	8089	11 00	8113	19 11	8074	39	30
8088	8084	8080	8079	8080	8080	8079	8079	8080	8090	----------	8120	----------	8069	51	--------
8090	8087	8083	8082	8081	8082	8081	8081	8081	8092	----------	8124	----------	8077	47	--------

OCTOBER, 1912. 30000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
8032	8011	8003	7996	7990	7995	8003	8014	8021	8063	10 56	8154	20 00	7990	164	1
8091	8089	8087	8083	8081	8079	8076	8078	8079	8078	12 00	8104	0 01	8021	83	2
8088	8081	8081	8081	8081	8081	8079	8079	8079	8086	11 34	8118	6 14	8071	47	3
8096	8089	8087	8085	8080	8083	8081	8079	8075	8093	11 30	8130	24 00	8075	55	4
8096	8096	8095	8094	8093	8091	8090	8090	8089	8096	11 00	8141	1 00	8075	66	5
8102	8096	8093	8090	8083	8082	8081	8079	8078	8097	12 00	8139	24 00	8078	61	6
8090	8087	8085	8084	8082	8085	8079	8087	8087	8093	12 00	8133	1 00	8074	59	7
8080	8079	8072	8076	8076	8077	8074	8074	8076	8090	11 10	8129	18 13	8068	61	8
8095	8087	8081	8082	8083	8083	8083	8082	8082	8095	10 46	8147	0 01	8076	71	9
8090	8086	8080	8082	8081	8081	8081	8080	8077	8093	11 00	8137	24 00	8077	60	10
8098	8102	8080	8078	8071	8090	8074	8062	8060	8091	13 00	8118	24 00	8060	58	11
8083	8077	8069	8067	8054	8054	8061	8064	8070	8083	11 29	8125	19 57	8053	72	12
8077	8071	8066	8064	8069	8071	8072	8074	8073	8081	12 00	8117	19 16	8063	54	13
8064	8065	8053	8044	8040	8038	8049	8053	8055	8076	11 08	8124	21 18	8032	92	14
8068	8059	8066	8061	8059	8075	8059	8050	8063	8067	11 48	8106	7 00	8045	61	15
8059	8058	8055	8057	8058	8063	8061	8070	8062	8067	12 00	8097	17 47	8050	47	16
8057	8054	8053	8054	8055	8060	8063	8064	8063	8066	11 00	8096	18 17	8052	44	17
8078	8076	8075	8076	8077	8076	8076	8073	8071	8078	11 42	8110	6 15	8062	48	18
8085	8086	8083	8080	8078	8076	8073	8071	8069	8082	12 00	8116	5 00	8065	51	19
8094	8089	8087	8087	8086	8083	8083	8081	8079	8090	11 18	8132	1 13	8066	66	20
8081	8079	8074	8074	8074	8070	8066	8065	8063	8086	11 12	8116	24 00	8063	53	21
8102	8098	8091	8088	8081	8079	8078	8079	8079	8091	11 10	8124	0 01	8063	61	22
8092	8086	8084	8075	8076	8074	8073	8074	8077	8088	11 00	8119	22 00	8073	46	23
8092	8084	8081	8087	8090	8080	8081	8078	8085	8091	11 14	8130	5 00	8075	55	24
8092	8087	8085	8084	8077	8079	8084	8087	8084	8093	11 00	8125	20 00	8077	48	25
8092	8090	8088	8086	8085	8084	8085	8085	8086	8091	11 25	8118	4 00	8082	36	26
8088	8081	8075	8073	8072	8071	8068	8069	8070	8090	10 26	8123	22 00	8068	55	27
8087	8080	8078	8077	8078	8076	8074	8071	8074	8095	10 48	8146	21 53	8070	76	28
8098	8097	8096	8095	8094	8091	8090	8089	8085	8097	11 19	8143	0 32	8070	73	29
8091	8087	8089	8083	8086	8079	8076	8084	8085	8095	11 00	8131	22 00	8076	55	30
8093	8090	8086	8084	8080	8078	8076	8077	8077	8093	11 00	8128	22 00	8076	52	31
8085	8081	8077	8075	8073	8074	8073	8073	8073	8086	----------	8125	----------	8063	62	--------
8089	8087	8085	8083	8082	8080	8078	8078	8077	8085	----------	8120	----------	8060	60	--------

HOURLY VALUES OF HORIZONTAL INTENSITY.

NOVEMBER, 1912. 30000 γ plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8076	8082	8084	8086	8091	8089	8092	8094	8113	8128	8139	8142	8123	8110	8102
2	8074	8077	8077	8078	8079	8082	8083	8087	8097	8108	8113	8115	8117	8113	8097
3 [a]	8078	8075	8075	8076	8078	8080	8083	8086	8090	8102	8118	8121	8113	8105	8095
4	8087	8085	8084	8088	8087	8086	8087	8090	8102	8114	8126	8124	8121	8106	8099
5	8089	8087	8086	8088	8087	8086	8089	8099	8104	8117	8121	8117	8110	8106	8104
6	8079	8069	8077	8080	8082	8083	8086	8092	8097	8104	8109	8110	8105	8102	8097
7	8075	8075	8076	8076	8077	8079	8087	8095	8103	8115	8117	8114	8105	8091	8079
8	8081	8080	8081	8083	8089	8088	8087	8095	8105	8115	8120	8115	8113	8106	8095
9	8081	8083	8081	8083	8080	8080	8085	8093	8107	8119	8122	8121	8114	8107	8100
10	8093	8095	8100	8103	8097	8103	8106	8112	8120	8138	8144	8150	8124	8119	8100
11	8055	8063	8058	8066	8066	8069	8076	8087	8096	8110	8113	8100	8095	8086	8077
12 [a]	8068	8072	8074	8075	8076	8076	8080	8090	8098	8107	8114	8113	8105	8098	8093
13	8080	8079	8077	8078	8079	8081	8090	8100	8115	8129	8132	8130	8120	8110	8101
14	8083	8086	8088	8090	8093	8095	8102	8118	8135	8145	8147	8139	8130	8119	8113
15	8021	8033	8043	8053	8057	8060	8073	8078	8087	8091	8092	8090	8084	8079	8076
16	8072	8078	8084	8085	8086	8087	8088	8099	8112	8124	8135	8118	8114	8107	8102
17	8074	8073	8074	8074	8077	8077	8077	8078	8081	8095	8100	8106	8104	8097	8092
18	8077	8079	8081	8084	8084	8085	8090	8099	8102	8119	8128	8129	8123	8110	8097
19	8077	8076	8071	8077	8079	8080	8083	8087	8099	8113	8124	8121	8116	8111	8103
20	8085	8086	8087	8088	8090	8092	8098	8103	8107	8117	8122	8123	8116	8102	8091
21 [a]	8089	8088	8087	8085	8087	8089	8092	8099	8110	8121	8124	8122	8115	8106	8102
22	8088	8089	8087	8085	8088	8089	8086	8111	8122	8140	8145	8137	8120	8120	8108
23	8073	8075	8077	8080	8082	8089	8094	8100	8113	8120	8128	8124	8114	8106	8101
24	8084	8085	8085	8086	8087	8089	8091	8098	8108	8127	8124	8117	8108	8102	8098
25	8088	8086	8082	8079	8078	8080	8084	8091	8101	8115	8125	8121	8117	8102	8094
26	8094	8094	8094	8095	8096	8098	8101	8117	8127	8150	8170	8163	8156	8131	8119
27	8089	8095	8080	8089	8088	8089	8096	8104	8119	8133	8134	8132	8119	8105	8100
28	8092	8090	8095	8090	8094	8096	8097	8100	8118	8126	8129	8125	8115	8106	8103
29 [a]	8092	8092	8090	8091	8093	8095	8096	8104	8113	8124	8132	8129	8117	8104	8099
30 [a]	8093	8091	8092	8094	8095	8097	8098	8100	8106	8115	8119	8116	8112	8109	8105
Mean	8080	8081	8081	8083	8084	8086	8089	8097	8107	8119	8126	8123	8115	8106	8098
Mean [a]	8084	8084	8084	8084	8086	8087	8090	8096	8103	8114	8121	8120	8112	8104	8099

DECEMBER, 1912. 30000 γ plus tabular quantities.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	8092	8091	8092	8090	8089	8089	8091	8093	8103	8113	8117	8117	8116	8104	8098
2	8100	8103	8102	8099	8099	8098	8103	8105	8107	8117	8130	8119	8111	8101	8098
3	8071	8069	8069	8079	8080	8081	8092	8096	8105	8114	8118	8116	8099	8096	8088
4 [a]	8085	8087	8088	8085	8086	8089	8090	8095	8105	8107	8102	8099	8093	8086	8088
5 [a]	8086	8086	8087	8087	8087	8088	8089	8094	8100	8105	8114	8111	8108	8105	8101
6	8092	8092	8093	8098	8098	8096	8100	8105	8113	8131	8134	8130	8126	8114	8108
7	8089	8093	8107	8100	8101	8102	8106	8111	8113	8118	8106	8102	8098	8091	8088
8	8077	8074	8075	8074	8073	8084	8083	8086	8092	8101	8107	8104	8097	8092	8085
9	8078	8079	8080	8081	8083	8084	8085	8091	8098	8107	8113	8111	8107	8103	8099
10	8082	8082	8085	8088	8089	8090	8092	8095	8093	8111	8113	8110	8109	8098	8091
11	8079	8080	8079	8085	8088	8091	8092	8094	8100	8112	8115	8114	8109	8106	8098
12	8073	8084	8082	8081	8083	8083	8090	8099	8105	8119	8124	8120	8108	8099	8090
13	8088	8090	8090	8092	8091	8095	8096	8098	8103	8112	8118	8116	8108	8104	8103
14	8085	8090	8092	8095	8096	8104	8108	8110	8112	8123	8133	8129	8110	8102	8100
15	8086	8085	8086	8087	8088	8089	8094	8101	8111	8126	8130	8127	8118	8111	8106
16	8088	8088	8087	8088	8089	8093	8096	8103	8107	8116	8122	8119	8116	8113	8108
17	8089	8088	8088	8087	8090	8088	8091	8095	8101	8113	8121	8125	8115	8113	8110
18	8092	8092	8091	8092	8091	8092	8097	8105	8115	8125	8127	8136	8121	8100	8097
19	8087	8087	8083	8088	8089	8092	8094	8101	8111	8117	8125	8122	8119	8116	8110
20 [a]	8087	8088	8089	8090	8091	8092	8099	8105	8110	8120	8123	8119	8113	8108	8102
21 [a]	8092	8093	8093	8094	8097	8101	8104	8106	8109	8111	8119	8118	8117	8115	8111
22	8090	8088	8091	8093	8097	8100	8105	8115	8124	8128	8132	8129	8126	8122	8117
23	8077	8088	8096	8100	8115	8100	8091	8113	8119	8121	8125	8118	8111	8102	8089
24	8076	8085	8080	8083	8081	8074	8086	8089	8092	8095	8102	8106	8104	8099	8094
25	8089	8086	8080	8086	8088	8091	8097	8100	8107	8117	8120	8118	8115	8101	8098
26	8085	8084	8085	8080	8081	8088	8087	8092	8096	8107	8111	8113	8111	8105	8095
27	8081	8082	8088	8089	8087	8085	8082	8086	8089	8100	8097	8096	8096	8097	8097
28 [a]	8090	8090	8089	8091	8093	8095	8101	8107	8116	8132	8139	8141	8137	8126	8117
29	8092	8093	8092	8091	8091	8089	8089	8092	8099	8115	8124	8121	8116	8109	8099
30	8097	8097	8089	8087	8093	8094	8097	8102	8108	8111	8120	8116	8106	8098	8090
31	8095	8099	8098	8099	8098	8098	8100	8103	8109	8115	8116	8114	8107	8109	8107
Mean	8086	8088	8088	8089	8090	8091	8094	8100	8106	8115	8119	8117	8111	8105	8099
Mean [a]	8088	8089	8089	8089	8091	8093	8097	8101	8108	8115	8119	8118	8114	8108	8104

[a] Five international quiet days.

HOURLY VALUES OF HORIZONTAL INTENSITY.

NOVEMBER, 1912. 30000 γ plus tabular quantities.

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.		Minimum.		Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
8095	8090	8077	8072	8072	8080	8077	8074	8074	8094	11 39	8147	19 29	8067	80	1
8087	8070	8057	8060	8066	8072	8073	8075	8078	8085	13 00	8117	18 10	8052	65	2
8091	8090	8089	8086	8082	8084	8085	8086	8084	8090	11 36	8123	1 36	8074	49	3
8095	8094	8093	8086	8090	8090	8087	8087	8089	8096	11 00	8126	3 00	8084	42	4
8099	8097	8096	8095	8100	8100	8092	8089	8079	8097	11 00	8121	24 00	8079	42	5
8088	8084	8075	8067	8067	8068	8070	8072	8070	8085	12 00	8110	1 38	8063	47	6
8072	8065	8064	8063	8057	8053	8062	8072	8074	8081	10 33	8119	21 00	8053	66	7
8093	8087	8091	8092	8088	8087	8080	8074	8076	8093	11 00	8120	23 00	8074	46	8
8098	8097	8094	8087	8083	8085	8091	8087	8091	8095	11 00	8122	0 01	8076	46	9
8068	8064	8053	8055	8051	8048	8044	8051	8047	8091	12 00	8150	20 49	8032	118	10
8068	8064	8062	8052	8051	8060	8059	8062	8064	8073	11 00	8113	17 46	8043	70	11
8090	8087	8085	8083	8083	8079	8079	8078	8077	8087	10 52	8121	0 01	8064	57	12
8096	8091	8089	8089	8090	8090	8087	8085	8084	8096	11 00	8132	3 00	8077	55	13
8098	8086	8074	8061	8033	8001	7989	7982	7987	8083	10 40	8155	23 00	7982	173	14
8076	8072	8067	8069	8071	8070	8073	8074	8074	8069	9 55	8099	0 01	7987	112	15
8093	8086	8077	8075	8073	8071	8073	8073	8074	8091	11 00	8135	21 00	8071	64	16
8086	8084	8081	8078	8077	8077	8075	8076	8077	8083	12 00	8106	22 17	8070	36	17
8088	8088	8081	8080	8079	8079	8081	8083	8081	8093	11 39	8132	1 00	8077	55	18
8101	8095	8096	8097	8094	8092	8085	8081	8088	8094	11 00	8124	2 38	8067	57	19
8089	8087	8086	8084	8083	8080	8083	8084	8086	8095	11 34	8125	21 00	8080	45	20
8098	8095	8092	8090	8088	8085	8084	8081	8082	8096	11 33	8126	23 00	8081	45	21
8100	8080	8068	8060	8049	8038	8039	8053	8066	8090	11 13	8147	21 00	8038	109	22
8093	8076	8086	8086	8080	8078	8079	8079	8080	8092	11 00	8128	0 01	8066	62	23
8093	8087	8086	8085	8082	8084	8084	8085	8086	8094	10 34	8129	0 18	8079	50	24
8094	8093	8093	8092	8089	8088	8088	8089	8091	8094	11 00	8125	5 00	8078	47	25
8114	8108	8111	8100	8098	8096	8095	8092	8092	8113	11 00	8170	23 08	8091	79	26
8099	8098	8094	8095	8095	8094	8092	8094	8095	8101	11 00	8134	3 00	8080	54	27
8100	8095	8093	8091	8089	8086	8085	8083	8083	8099	11 13	8131	22 49	8082	49	28
8098	8094	8091	8091	8088	8089	8090	8091	8092	8100	11 30	8134	0 12	8082	52	29
8104	8103	8102	8098	8094	8090	8089	8087	8086	8100	11 00	8119	24 00	8086	33	30
8092	8087	8083	8081	8078	8076	8076	8076	8077	8092	----------	8128	----------	8064	64	--------
8096	8094	8092	8090	8087	8085	8085	8085	8084	8095	----------	8125	----------	8078	47	--------

DECEMBER, 1912. 30000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
8100	8101	8102	8102	8101	8096	8101	8102	8100	8100	12 16	8120	0 01	8086	34	1
8100	8099	8098	8074	8065	8068	8061	8055	8064	8095	10 52	8131	23 00	8055	76	2
8081	8091	8082	8086	8082	8083	8081	8088	8089	8089	11 00	8118	2 14	8063	55	3
8086	8085	8085	8084	8086	8087	8088	8088	8086	8090	10 00	8107	0 35	8082	25	4
8098	8097	8096	8095	8093	8094	8094	8094	8095	8096	11 00	8114	2 11	8085	29	5
8100	8103	8093	8088	8080	8079	8080	8089	8092	8101	11 00	8134	20 15	8077	57	6
8084	8074	8078	8083	8090	8086	8071	8094	8085	8095	10 00	8118	16 44	8068	50	7
8081	8072	8074	8075	8077	8078	8078	8080	8077	8083	11 00	8107	17 47	8070	37	8
8087	8085	8083	8079	8077	8075	8079	8080	8086	8089	11 00	8113	21 00	8075	38	9
8083	8083	8080	8079	8083	8073	8076	8078	8080	8089	11 00	8113	21 00	8073	40	10
8095	8091	8088	8089	8085	8087	8080	8078	8083	8092	11 00	8115	23 13	8075	40	11
8089	8087	8086	8085	8082	8084	8086	8088	8089	8092	11 00	8124	1 00	8073	51	12
8098	8101	8105	8111	8107	8103	8100	8095	8088	8100	11 00	8118	1 13	8087	31	13
8095	8097	8095	8094	8093	8090	8083	8077	8085	8100	11 00	8133	23 00	8077	56	14
8102	8101	8098	8096	8095	8092	8089	8089	8087	8100	11 00	8130	2 00	8085	45	15
8101	8098	8096	8092	8089	8086	8087	8088	8088	8098	11 00	8122	21 00	8086	36	16
8106	8102	8100	8097	8094	8092	8089	8088	8089	8099	12 00	8125	4 00	8087	38	17
8095	8094	8092	8092	8095	8097	8094	8091	8090	8101	11 32	8138	24 00	8090	48	18
8107	8100	8092	8088	8087	8085	8084	8082	8083	8098	11 00	8125	23 00	8082	43	19
8098	8097	8091	8087	8085	8084	8085	8087	8088	8097	11 00	8123	0 01	8083	40	20
8106	8109	8106	8105	8104	8102	8099	8097	8094	8104	11 00	8119	0 01	8089	30	21
8112	8111	8110	8109	8105	8102	8101	8101	8079	8108	11 00	8132	24 00	8079	53	22
8078	8083	8080	8076	8075	8083	8088	8086	8074	8095	11 00	8125	24 00	8074	51	23
8087	8088	8087	8087	8080	8083	8081	8087	8084	8088	12 00	8106	6 00	8074	32	24
8088	8084	8084	8084	8083	8081	8083	8080	8077	8093	11 00	8120	24 00	8077	43	25
8092	8089	8085	8085	8084	8085	8079	8085	8081	8091	12 00	8113	0 01	8078	35	26
8096	8097	8095	8093	8091	8091	8088	8088	8091	8091	10 00	8100	1 00	8081	19	27
8107	8104	8101	8099	8098	8094	8091	8089	8088	8106	12 00	8141	24 00	8088	53	28
8097	8097	8096	8095	8095	8095	8095	8094	8095	8099	11 00	8124	6 19	8087	37	29
8097	8099	8095	8094	8091	8093	8091	8095	8093	8098	11 00	8120	2 28	8084	36	30
8106	8105	8103	8099	8097	8096	8094	8093	8093	8102	11 00	8116	21 43	8092	24	31
8095	8094	8092	8090	8089	8088	8086	8087	8086	8096	----------	8121	----------	8080	41	--------
8099	8098	8096	8094	8093	8092	8091	8091	8090	8099	----------	8121	----------	8085	36	--------

HOURLY VALUES OF VERTICAL INTENSITY.

JANUARY, 1912. 10000 γ plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1118	1117	1116	1114	1113	1110	1107	1104	1097	1091	1088	1096	1105	1112	1116
2[a]	1121	1122	1122	1122	1121	1120	1117	1114	1110	1102	1095	1097	1104	1113	1118
3	1120	1118	1116	1114	1112	1110	1106	1104	1102	1100	1100	1103	1106	1109	1114
4	1115	1114	1114	1114	1114	1112	1112	1108	1106	1107	1107	1111	1115	1116	1117
5	1117	1117	1117	1116	1115	1114	1112	1110	1110	1109	1109	1112	1115	1117	1117
6	1117	1116	1116	1114	1113	1111	1109	1106	1106	1105	1106	1109	1115	1118	1121
7	1116	1114	1112	1111	1110	1109	1108	1104	1098	1092	1088	1094	1100	1107	1112
8	1114	1113	1112	1111	1111	1111	1110	1108	1103	1097	1087	1089	1095	1100	1108
9	1118	1117	1116	1115	1112	1110	1108	1105	1101	1092	1085	1087	1090	1094	1100
10	1118	1117	1117	1116	1115	1115	1112	1111	1102	1092	1090	1090	1098	1107	1115
11	1113	1112	1112	1112	1112	1112	1111	1110	1103	1094	1089	1092	1098	1104	1110
12	1115	1114	1113	1113	1113	1113	1113	1115	1114	1107	1101	1093	1098	1106	1113
13	1122	1117	1116	1115	1112	1106	1106	1105	1104	1098	1088	1089	1096	1103	1110
14	1114	1110	1108	1107	1104	1102	1099	1096	1091	1089	1084	1084	1091	1101	1111
15[a]	1122	1118	1115	1110	1107	1104	1102	1098	1093	1084	1078	1081	1091	1103	1114
16[a]	1126	1122	1117	1115	1110	1106	1104	1099	1093	1087	1080	1087	1100	1116	1129
17	1136	1134	1129	1124	1119	1116	1111	1108	1106	1104	1103	1103	1109	1119	1129
18	1135	1131	1126	1123	1118	1115	1108	1106	1103	1102	1102	1106	1118	1125	1133
19	1137	1133	1130	1127	1125	1120	1116	1111	1108	1107	1109	1113	1120	1131	1142
20	1134	1132	1127	1126	1123	1120	1116	1112	1106	1102	1102	1103	1110	1120	1132
21	1127	1124	1121	1117	1115	1111	1108	1103	1099	1094	1095	1099	1107	1119	1124
22	1116	1111	1109	1106	1102	1100	1097	1090	1081	1074	1079	1087	1097	1112	1123
23	1123	1120	1117	1112	1110	1108	1101	1094	1089	1086	1086	1088	1096	1107	1122
24	1132	1129	1124	1120	1117	1112	1108	1102	1099	1095	1094	1096	1104	1113	1127
25	1144	1139	1136	1133	1129	1126	1121	1117	1113	1107	1104	1109	1114	1124	1136
26[a]	1134	1130	1128	1124	1119	1116	1112	1108	1105	1103	1099	1100	1109	1120	1133
27[a]	1141	1138	1135	1131	1129	1126	1123	1119	1114	1111	1106	1105	1108	1117	1125
28	1126	1124	1122	1120	1118	1117	1115	1113	1112	1105	1102	1102	1103	1106	1111
29	1132	1128	1125	1121	1116	1113	1111	1107	1104	1104	1104	1107	1114	1123	1127
30	1134	1132	1131	1129	1128	1126	1124	1122	1120	1116	1110	1111	1112	1116	1122
31	1133	1130	1128	1125	1123	1121	1119	1117	1111	1103	1100	1102	1107	1114	1121
Mean	1125	1122	1120	1118	1116	1113	1111	1107	1103	1099	1096	1098	1105	1113	1120
Mean[a]	1129	1126	1123	1120	1117	1114	1112	1108	1103	1097	1092	1094	1102	1114	1124

FEBRUARY, 1912. 10000 γ plus tabular quantities.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1126	1125	1124	1122	1121	1120	1119	1118	1116	1113	1108	1108	1111	1116	1121
2	1133	1132	1131	1129	1126	1122	1120	1116	1112	1107	1105	1109	1116	1120	1127
3	1137	1137	1136	1134	1132	1131	1129	1126	1123	(1119)	(1117)	1121	1126	1131	1137
4	1132	1130	1127	1125	1120	1117	1115	1113	1107	1099	1103	1108	1113	1118	1128
5[a]	1139	1136	1134	1133	1131	1129	1127	1123	1117	1113	1115	1117	1126	1135	1141
6[a]	1138	1134	1133	1131	1129	1126	1125	1121	1118	1112	1109	1116	1124	1133	1144
7	1145	1141	1139	1138	1135	1133	1129	1127	1121	1114	1111	1110	1118	1128	1137
8	1134	1133	1130	1128	1127	1126	1124	1118	1117	1110	1107	1110	1115	1124	1134
9	1135	1134	1131	1130	1128	1124	1121	1119	1114	1108	1105	1110	1119	1128	1136
10	1134	1131	1127	1125	1122	1119	1116	1115	1113	1107	1102	1107	1112	1122	1131
11	1147	1144	1140	1136	1132	1130	1129	1126	1123	1122	1121	1123	1132	1139	1148
12	1155	1153	1148	1145	1143	1140	1136	1134	1132	1130	1128	1129	1138	1145	1156
13	1160	1155	1149	1143	1131	1125	1119	1114	1111	1109	1108	1115	1124	1134	1146
14	1159	1158	1156	1154	1153	1151	1147	1142	1135	1129	1130	1139	1147	1156	1167
15[a]	1172	1169	1164	1160	1156	1153	1149	1143	1136	1133	1128	1130	1136	1144	1151
16	1155	1152	1149	1145	1142	1139	1134	1130	1127	1123	1123	1123	1129	1139	1145
17	1145	1141	1139	1137	1134	1133	1133	1129	1120	1117	1113	1116	1128	1133	1141
18	1145	1142	1140	1138	1136	1131	1128	1127	1119	1112	1111	1111	1117	1130	1139
19	1137	1137	1135	1133	1130	1127	1125	1120	1116	1109	1109	1105	1113	1125	1130
20[a]	1124	1122	1119	1115	1114	1111	1108	1104	1095	1091	1089	1091	1097	1103	1112
21[a]	1110	1108	1108	1106	1105	1104	1102	1100	1095	1090	1085	1088	1093	1104	1115
22	1120	1119	1117	1114	1110	1108	1107	1105	1099	1092	1091	1093	1103	1113	1123
23	1135	1132	1126	1123	1121	1119	1115	1111	1108	1103	1100	1101	1106	1118	1128
24	1127	1125	1122	1119	1117	1114	1111	1112	1109	1104	1101	1095	1099	1111	1119
25	1127	1124	1121	1117	1114	1109	1107	1109	1106	1104	1103	1105	1106	1116	1124
26	(1135)	(1133)	(1131)	(1126)	(1122)	(1117)	(1109)	1101	1096	1093	1094	1099	1106	1121	1130
27	1129	1125	1124	1117	1115	1113	1108	1108	1105	1098	1100	1102	1110	1121	1130
28	1142	1139	1136	1134	1132	1127	1126	1122	1114	1110	1109	1107	1114	1123	1136
29	1142	1137	1133	1127	1123	1121	1120	1117	1113	1105	1099	1107	1115	1125	1130
Mean	1139	1136	1133	1130	1128	1125	1122	1119	1114	1110	1108	1110	1117	1126	1135
Mean[a]	1137	1134	1132	1129	1127	1125	1122	1118	1112	1108	1105	1108	1115	1124	1133

[a] Five international quiet days.

HOURLY VALUES OF VERTICAL INTENSITY.

JANUARY, 1912. 10000 γ plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1118	1119	1120	1120	1122	1120	1119	1120	1120	1112	20 00	1122	11 00	1088	34	1
1123	1125	1125	1123	1124	1124	1123	1122	1122	1117	17 30	1126	11 00	1095	31	2
1116	1117	1117	1116	1115	1114	1114	1114	1114	1111	1 00	1120	10 30	1099	21	3
1118	1119	1119	1119	1118	1118	1117	1117	1117	1114	17 50	1120	9 00	1106	14	4
1118	1118	1119	1119	1118	1118	1117	1117	1117	1115	18 30	1120	11 05	1108	12	5
1125	1125	1124	1123	1121	1120	1119	1118	1117	1116	16 30	1126	10 00	1105	21	6
1117	1121	1122	1120	1119	1118	1117	1115	1114	1110	18 00	1122	11 00	1088	34	7
1116	1121	1123	1124	1124	1122	1121	1120	1119	1111	19 30	1125	11 00	1087	38	8
1107	1113	1117	1120	1120	1120	1120	1120	1119	1109	21 48	1121	11 00	1085	36	9
1117	1114	1114	1114	1113	1114	1113	1113	1113	1110	1 00	1118	11 38	1089	29	10
1115	1117	1116	1115	1114	1112	1114	1114	1114	1109	17 00	1117	11 00	1089	28	11
1120	1123	1123	1123	1123	1123	1123	1121	1120	1114	18 34	1124	12 00	1093	31	12
1117	1120	1122	1122	1122	1120	1118	1117	1115	1111	20 51	1124	11 00	1088	36	13
1120	1127	1129	1132	1132	1131	1129	1126	1125	1110	19 20	1133	12 12	1083	50	14
1126	1131	1135	1138	1138	1135	1133	1132	1126	1113	19 33	1139	11 00	1078	61	15
1138	1146	1150	1152	1152	1150	1148	1145	1141	1121	19 34	1153	11 00	1080	73	16
1142	1147	1150	1150	1151	1149	1146	1144	1141	1128	20 00	1151	12 10	1102	49	17
1139	1143	1144	1147	1147	1146	1144	1142	1138	1127	19 12	1148	10 48	1101	47	18
1145	1146	1146	1146	1145	1143	1140	1138	1136	1130	17 55	1147	10 00	1107	40	19
1136	1137	1138	1138	1138	1136	1135	1131	1129	1124	20 27	1139	10 50	1101	38	20
1128	1128	1129	1129	1127	1127	1123	1121	1117	1116	18 10	1130	10 00	1094	36	21
1129	1135	1136	1136	1136	1135	1133	1130	1127	1112	20 32	1137	10 00	1074	63	22
1131	1138	1140	1145	1145	1144	1141	1139	1137	1117	19 50	1146	11 35	1085	61	23
1136	1141	1147	1148	1149	1149	1148	1147	1146	1124	19 32	1151	11 00	1094	57	24
1142	1147	1148	1149	1149	1147	1146	1142	1138	1132	20 10	1150	11 00	1104	46	25
1142	1148	1149	1151	1151	1150	1148	1147	1145	1128	19 52	1152	11 47	1098	54	26
1132	1135	1135	1135	1134	1132	1131	1130	1127	1126	0 01	1145	12 00	1105	40	27
1119	1133	1138	1141	1141	1140	1139	1136	1134	1122	19 49	1142	11 33	1101	41	28
1133	1136	1139	1140	1140	1139	1138	1136	1135	1124	19 08	1141	10 53	1103	38	29
1127	1129	1131	1132	1133	1133	1134	1133	1132	1126	21 56	1135	11 00	1110	25	30
1128	1133	1135	1135	1134	1132	1130	1128	1127	1122	18 31	1136	11 00	1100	36	31
1126	1130	1132	1132	1132	1131	1130	1128	1127	1118	----------	1134	----------	1095	39	--------
1132	1137	1139	1140	1140	1138	1137	1135	1132	1121	----------	1143	----------	1091	52	--------

FEBRUARY, 1912. 10000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1126	1130	1132	1134	1135	1136	1136	1135	1134	1124	21 20	1137	11 43	1107	30	1
1135	1138	1140	1140	1140	1139	1139	1139	1138	1127	20 08	1141	11 00	1105	36	2
1138	1139	1138	1139	1140	1140	1139	1137	1136	1133	20 12	1141	11 00	(1117)	24	3
1136	1139	1142	1144	1144	1145	1145	1142	1140	1126	20 49	1146	10 00	1099	47	4
1147	1151	1151	1151	1149	1148	1147	1144	1141	1135	16 45	1152	10 00	1113	39	5
1151	1153	1154	1157	1157	1154	1153	1151	1149	1136	18 48	1158	11 00	1109	49	6
1142	1144	1144	1143	1142	1142	1141	1138	1136	1133	0 01	1149	12 00	1110	39	7
1143	1145	1148	1148	1148	1147	1145	1145	1143	1131	19 07	1149	11 00	1107	42	8
1143	1146	1148	1149	1149	1148	1145	1141	1138	1131	19 34	1150	11 00	1105	45	9
1143	1150	1157	1159	1160	1160	1158	1156	1155	1133	20 57	1161	11 00	1102	59	10
1156	1162	1166	1171	1170	1168	1166	1165	1163	1145	19 00	1171	11 34	1120	51	11
1164	1168	1174	1174	1172	1170	1168	1166	1163	1151	18 35	1175	11 00	1128	47	12
1155	1165	1167	1168	1165	1164	1163	1162	1160	1142	19 00	1168	11 00	1108	60	13
1175	1177	1183	1185	1185	1184	1183	1179	1176	1160	19 51	1186	10 00	1129	57	14
1158	1163	1165	1167	1167	1166	1165	1164	1162	1154	0 16	1176	11 00	1128	48	15
1151	1152	1153	1153	1152	1151	1150	1150	1149	1142	0 01	1160	11 36	1122	38	16
1147	1149	1150	1151	1151	1152	1150	1149	1148	1138	21 00	1152	11 00	1113	39	17
1148	1150	1152	1154	1153	1151	1150	1147	1146	1137	19 00	1154	11 22	1110	44	18
1137	1141	1141	1138	1138	1136	1134	1132	1127	1128	17 46	1142	12 00	1105	37	19
1116	1122	1122	1120	1119	1117	1115	1114	1113	1111	0 19	1128	11 00	1089	39	20
1123	1127	1130	1130	1129	1129	1128	1127	1125	1111	18 36	1131	11 00	1085	46	21
1131	1138	1139	1141	1142	1141	1140	1139	1138	1119	20 00	1142	11 00	1091	51	22
1133	1138	1141	1141	1140	1138	1137	1136	1132	1124	19 42	1142	11 00	1100	42	23
1128	1136	1137	1138	1139	1138	1136	1135	1134	1121	20 22	1140	12 00	1095	45	24
1129	1134	1137	(1138)	(1139)	(1138)	(1137)	(1137)	(1136)	1122	20 00	(1139)	11 00	1103	36	25
1139	1143	1144	1147	1148	1144	1141	1139	1137	1125	19 19	1149	10 00	1093	56	26
1137	1141	1144	1147	1148	1147	1147	1146	1145	1125	20 00	1148	10 00	1098	50	27
1147	1151	1156	1157	1157	1156	1154	1150	1147	1135	19 50	1158	12 00	1107	51	28
1144	1149	1154	1154	1154	1154	1153	1151	1149	1132	19 18	1155	11 00	1099	56	29
1142	1146	1149	1150	1149	1148	1147	1145	1143	1132	----------	1152	----------	1107	45	--------
1139	1143	1144	1145	1144	1143	1142	1140	1138	1129	----------	1149	----------	1105	44	--------

HOURLY VALUES OF VERTICAL INTENSITY.

MARCH, 1912. 10000 γ plus tabular quantities.

DAY.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1143	1139	1135	1131	1128	1121	1119	1119	1115	1111	1107	1105	1115	1125	1136
2	1132	1130	1127	1122	1119	1116	1111	1110	1102	1094	1094	1096	1106	1122	1134
3	1140	1138	1135	1131	1128	1123	1121	1119	1111	1106	1101	1103	1114	1131	1141
4[a]	1145	1143	1142	1140	1135	1130	1124	1119	1111	1102	1097	1097	1107	1116	1127
5	1127	1121	1119	1116	1111	1108	1106	1102	1098	1092	1092	1089	1096	1108	1122
6	1140	1138	1132	1129	1127	1122	1120	1115	1112	1112	1111	1115	1125	1137	1152
7	1160	1157	1150	1148	1143	1140	1139	1138	1138	1133	1129	1127	1136	1146	1157
8	1165	1163	1161	1156	1153	1150	1149	1142	1139	1133	1138	1142	1148	1158	1172
9	1177	1172	1170	1166	1163	1160	1159	1155	1153	1146	1146	1147	1157	1167	1178
10	1175	1174	1172	1169	1162	1160	1155	1150	1143	1136	1134	1135	1138	1153	1162
11	1152	1149	1142	1138	1131	1129	1128	1126	1120	1113	1110	1118	1125	1138	1150
12	1165	1161	1159	1155	1150	1147	1143	1139	1135	1133	1134	1135	1143	1151	1160
13	1181	1173	1172	1166	1163	1161	1155	1151	1145	1143	1141	1142	1146	1156	1166
14	1177	1174	1172	1168	1165	1162	1157	1153	1144	1133	1123	1116	1120	1125	1133
15	1125	1125	1124	1123	1122	1121	1117	1114	1106	1099	1094	1092	1101	1115	1127
16	1123	1121	1117	1112	1110	1105	1103	1097	1091	1087	1086	1083	1092	1110	1125
17[a]	1129	1127	1124	1121	1115	1109	1102	1093	1083	1074	1070	1074	1084	1095	1109
18[a]	1108	1107	1105	1102	1099	1095	1091	1086	1081	1073	1073	1078	1085	1101	1110
19[a]	1103	1102	1101	1097	1094	1091	1086	1081	1076	1072	1065	1066	1073	1084	1093
20	1095	1091	1087	1086	1083	1080	1079	1076	1070	1067	1063	1063	1075	1091	1103
21	1105	1102	1098	1096	1093	1089	1086	1081	1078	1077	1073	1075	1089	1101	1110
22	1109	1106	1104	1099	1097	1094	1090	1085	1084	1085	1081	1080	1089	1101	1109
23	1108	1106	1104	1103	1102	1099	1098	1095	1088	1086	1080	1082	1096	1105	1115
24[a]	1108	1108	1107	1105	1102	1100	1096	1092	1088	1083	1077	1079	1087	1098	1108
25	1121	1117	1114	1111	1107	1102	1101	1100	1095	1094	1095	1097	1106	1118	1128
26	1122	1120	1117	1111	1108	1104	1101	1098	1090	1084	1084	1086	1096	1110	1117
27	1127	1122	1119	1116	1110	1108	1108	1103	1099	1096	1098	1103	1128	1136	1141
28	1135	1129	1127	1120	1118	1117	1115	1111	1103	1099	1099	1101	1107	1117	1123
29	1130	1125	1122	1118	1115	1113	1111	1105	1105	1105	1109	1114	1118	1125	1130
30	1125	1122	1121	1115	1113	1108	1105	1099	1096	1095	1096	1104	1110	1122	1128
31	1120	1115	1112	1110	1107	1103	1102	1100	1098	1095	1095	1102	1108	1115	1126
Mean	1135	1132	1129	1125	1122	1118	1115	1111	1106	1102	1100	1101	1110	1122	1132
Mean[a]	1119	1117	1116	1113	1109	1105	1100	1094	1088	1081	1076	1079	1087	1099	1109

APRIL, 1912. 10000 γ plus tabular quantities.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1[a]	1112	1111	1108	1103	1101	1099	1098	1092	1088	1083	1084	1089	1102	1113	1122
2	1117	1113	1110	1107	1103	1100	1099	1095	1091	1086	1082	1086	1097	1107	1121
3	1120	1114	1112	1110	1108	1104	1102	1100	1098	1093	1093	1095	1100	1117	1133
4	1125	1122	1120	1117	1111	1109	1104	1101	1099	1099	1097	1100	1107	1116	1122
5	1121	1120	1117	1115	1110	1108	1106	1101	1098	1096	1095	1102	1112	1122	1131
6	1133	1131	1129	1127	1122	1119	1117	1115	1111	1110	1109	1111	1114	1119	1125
7	1134	1130	1128	1122	1118	1116	1114	1110	1106	1104	1101	1106	1110	1118	1122
8[a]	1126	1124	1121	1118	1116	1114	1112	1107	1104	1103	1106	1111	1118	1129	1135
9	1126	1123	1120	1117	1111	1109	1106	1101	1098	1093	1093	1098	1104	1113	1121
10	1131	1129	1126	1124	1122	1120	1118	1113	1110	1106	1103	1105	1112	1121	1134
11[a]	1139	1137	1136	1133	1131	1129	1129	1125	1120	1116	1117	1119	1122	1129	1137
12	1136	1134	1132	1130	1128	1125	1121	1114	1108	1107	1107	1115	1124	1132	1138
13	1134	1131	1129	1127	1123	1120	1117	1114	1111	1104	1102	1106	1114	1119	1123
14	1114	1112	1110	1109	1107	1106	1102	1096	1090	1088	1091	1094	1099	1104	1108
15	1108	1106	1105	1102	1098	1097	1094	1090	1086	1081	1081	1089	1099	1109	1118
16	1118	1115	1111	1108	1105	1101	1097	1092	1086	1087	1085	1080	1090	1094	1100
17	1107	1108	1109	1107	1105	1101	1097	1090	1078	1074	1071	1090	1098	1107	1113
18	1108	1107	1104	1102	1100	1100	1098	1096	1090	1082	1073	1076	1088	1098	1105
19	1108	1107	1106	1103	1101	1100	1097	1093	1088	1083	1076	1077	1086	1092	1099
20	1116	1116	1115	1111	1109	1106	1104	1098	1087	1076	1077	1087	1096	1106	1111
21[a]	1122	1120	1116	1114	1111	1109	1105	1100	1098	1097	1096	1100	1108	1116	1121
22	1120	1119	1117	1116	1114	1112	1109	1105	1099	1095	1096	1102	1109	1113	1118
23	1124	1125	1124	1122	1121	1119	1117	1112	1108	1104	1103	1105	1110	1117	1120
24	1128	1127	1126	1126	1125	1126	1125	1120	1113	1108	1105	1110	1116	1121	1125
25	1125	1126	1126	1125	1123	1124	1120	1114	1109	1103	1103	1108	1114	1118	1122
26	1121	1121	1121	1119	1121	1119	1115	1111	1106	1099	1095	1104	1108	1112	1119
27	1121	1121	1121	1121	1120	1117	1114	1107	1100	1098	1098	1105	1110	1117	1121
28[a]	1120	1120	1119	1118	1118	1118	1113	1108	1101	1098	1096	1098	1105	1110	1116
29	1120	1119	1120	1121	1120	1120	1113	1106	1095	1090	1101	1106	1111	1118	1121
30	1118	1118	1118	1119	1119	1119	1118	1108	1099	1090	1093	1096	1099	1103	1113
Mean	1122	1120	1119	1116	1114	1112	1109	1104	1099	1095	1094	1099	1106	1114	1120
Mean[a]	1124	1122	1120	1117	1115	1114	1111	1106	1102	1099	1100	1103	1111	1119	1126

[a] Five international quiet days.

HOURLY VALUES OF VERTICAL INTENSITY.

MARCH, 1912. 10000 γ plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1145	1152	1152	1151	1150	1146	1143	1140	1138	1132	17 17	1153	12 00	1105	48	1
1143	1147	1151	1152	1151	1150	1148	1147	1143	1127	19 00	1152	10 49	1093	59	2
1149	1150	1150	1150	1150	1149	1147	1144	1142	1132	16 18	1151	11 37	1099	52	3
1136	1142	1143	1142	1140	1138	1136	1135	1134	1128	1 00	1145	11 49	1096	49	4
1134	1142	1144	1148	1149	1148	1147	1144	1141	1121	20 10	1150	12 00	1089	61	5
1163	1168	1169	1170	1170	1169	1166	1164	1162	1141	19 23	1171	11 22	1110	61	6
1165	1171	1173	1174	1174	1173	1173	1172	1169	1154	22 50	1176	12 00	1127	49	7
1178	1182	1183	1183	1184	1183	1182	1181	1179	1163	19 47	1186	10 00	1133	53	8
1185	1186	1186	1187	1186	1185	1183	1182	1180	1170	19 00	1187	10 35	1145	42	9
1168	1174	1174	1175	1174	1171	1170	1168	1162	1161	19 00	1175	11 00	1134	41	10
1156	1162	1163	1170	1170	1170	1169	1168	1168	1144	20 09	1171	11 00	1110	61	11
1169	1176	1179	1184	1185	1185	1183	1183	1182	1160	19 12	1186	10 00	1133	53	12
1174	1179	1184	1185	1186	1187	1186	1183	1180	1167	21 00	1187	11 00	1141	46	13
1140	1143	1144	1142	1140	1138	1134	1131	1128	1144	1 00	1177	12 00	1116	61	14
1135	1136	1136	1136	1135	1135	1133	1130	1127	1121	16 46	1137	12 00	1092	45	15
1135	1137	1139	1141	1141	1139	1139	1135	1132	1117	19 19	1142	12 00	1083	59	16
1114	1121	1121	1122	1121	1121	1119	1118	1118	1108	0 01	1131	11 06	1069	62	17
1115	1118	1117	1116	1114	1112	1111	1110	1109	1101	17 11	1119	11 16	1072	47	18
1100	1104	1106	1106	1107	1105	1103	1102	1101	1092	20 00	1107	11 00	1065	42	19
1110	1110	1111	1111	1110	1110	1109	1108	1107	1091	18 22	1112	11 28	1062	50	20
1118	1120	1122	1122	1123	1121	1118	1117	1115	1101	20 00	1123	11 00	1073	50	21
1117	1118	1120	1120	1119	1118	1117	1115	1112	1103	17 49	1121	11 45	1079	42	22
1118	1120	1118	1119	1119	1118	1116	1115	1113	1105	17 00	1120	11 00	1080	40	23
1118	1125	1126	1127	1128	1128	1128	1127	1127	1107	19 36	1129	11 33	1076	53	24
1135	1141	1144	1144	1140	1138	1135	1132	1130	1119	18 43	1145	10 00	1094	51	25
1125	1132	1133	1134	1134	1133	1132	1131	1130	1114	19 09	1135	11 23	1083	52	26
1144	1148	1149	1148	1148	1146	1144	1141	1140	1126	18 00	1149	10 00	1096	53	27
1130	1136	1137	1139	1139	1138	1137	1135	1132	1123	19 21	1140	10 10	1098	42	28
1137	1138	1138	1138	1137	1137	1135	1129	1132	1124	19 12	1139	9 38	1104	35	29
1135	1136	1134	1134	1133	1132	1128	1126	1124	1118	17 00	1136	10 00	1095	41	30
1132	1131	1127	1127	1125	1123	1122	1119	1116	1114	16 00	1132	9 55	1094	38	31
1139	1143	1144	1145	1145	1143	1142	1140	1138	1127	----------	1148	----------	1098	50	--------
1117	1122	1123	1123	1122	1121	1119	1118	1118	1107	----------	1126	----------	1076	50	--------

APRIL, 1912. 10000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1129	1130	1128	1128	1127	1125	1123	1122	1120	1110	17 00	1130	10 00	1083	47	1
1127	1130	1127	1129	1128	1127	1125	1122	1120	1110	17 00	1130	11 00	1082	48	2
1136	1141	1138	1138	1137	1135	1134	1132	1130	1117	17 00	1141	11 06	1092	49	3
1128	1129	1130	1131	1131	1131	1129	1129	1125	1117	19 53	1132	11 26	1096	36	4
1137	1142	1143	1143	1143	1142	1141	1141	1140	1122	18 45	1144	11 00	1095	49	5
1134	1141	1144	1144	1144	1143	1141	1140	1139	1128	20 23	1146	11 00	1109	37	6
1128	1130	1131	1132	1132	1132	1130	1129	1129	1121	0 13	1138	11 00	1101	37	7
1138	1139	1138	1138	1137	1136	1134	1132	1131	1124	17 00	1139	10 39	1102	37	8
1126	1128	1131	1132	1134	1136	1135	1134	1132	1118	21 00	1136	10 21	1092	44	9
1143	1144	1145	1145	1145	1144	1144	1142	1141	1128	18 09	1147	11 16	1101	46	10
1140	1141	1140	1140	1139	1139	1138	1137	1137	1132	17 00	1141	10 00	1116	25	11
1144	1146	1144	1142	1140	1140	1139	1137	1136	1130	17 00	1146	10 52	1106	40	12
1127	1127	1126	1125	1124	1124	1123	1121	1118	1120	1 00	1134	11 00	1102	32	13
1110	1111	1113	1113	1113	1112	1112	1111	1110	1106	18 48	1115	10 00	1088	27	14
1122	1125	1123	1122	1123	1123	1122	1121	1119	1107	17 00	1125	10 55	1080	45	15
1110	1114	1117	1121	1118	1116	1114	1111	1109	1104	19 00	1121	12 00	1080	41	16
1115	1115	1118	1114	1115	1116	1116	1114	1112	1104	18 00	1118	11 00	1071	47	17
1115	1115	1110	1109	1109	1110	1110	1110	1109	1101	16 15	1116	11 00	1073	43	18
1106	1108	1109	1111	1113	1118	1118	1117	1116	1101	21 30	1119	11 00	1076	43	19
1121	1128	1128	1127	1127	1126	1125	1123	1123	1110	17 10	1129	10 00	1076	53	20
1126	1128	1127	1127	1126	1125	1124	1124	1122	1115	17 00	1128	11 00	1096	32	21
1125	1129	1128	1128	1128	1128	1128	1128	1126	1116	17 00	1129	10 00	1095	34	22
1122	1122	1122	1123	1125	1125	1125	1125	1125	1119	23 40	1126	11 00	1103	23	23
1128	1130	1128	1128	1127	1126	1125	1126	1126	1123	17 00	1130	11 00	1105	25	24
1123	1124	1123	1123	1123	1123	1123	1124	1123	1120	2 05	1127	11 08	1102	25	25
1127	1125	1123	1121	1121	1121	1121	1121	1122	1116	16 00	1127	11 00	1095	32	26
1124	1126	1126	1123	1122	1122	1123	1124	1123	1117	16 52	1127	10 32	1097	30	27
1120	1119	1119	1118	1119	1119	1119	1120	1120	1114	23 15	1121	11 00	1096	25	28
1125	1126	1124	1123	1123	1123	1121	1121	1120	1116	17 00	1126	10 00	1090	36	29
1118	1119	1118	1117	1118	1117	1118	1118	1118	1112	6 10	1120	10 00	1090	30	30
1126	1128	1127	1127	1127	1127	1126	1125	1124	1116	----------	1130	----------	1093	37	--------
1131	1131	1130	1130	1130	1129	1128	1127	1126	1119	----------	1132	----------	1099	33	--------

HOURLY VALUES OF VERTICAL INTENSITY.

MAY, 1912. 10000 γ plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1[a]	1115	1114	1114	1114	1114	1114	1112	1110	1106	1100	1099	1101	1106	1114	1116
2	1120	1120	1119	1119	1118	1119	1118	1111	1100	1095	1095	1096	1100	1107	1112
3	1120	1119	1118	1117	1116	1117	1112	1106	1098	1098	1097	1101	1107	1111	1114
4	1123	1123	1121	1120	1120	1120	1117	1109	1103	1096	1094	1095	1100	1106	1111
5	1120	1120	1119	1118	1117	1117	1114	1113	1103	1094	1091	1097	1106	1109	1113
6	1124	1124	1123	1123	1121	1121	1121	1119	1106	1088	1077	1081	1086	1096	1104
7	1112	1111	1110	1109	1108	1106	1104	1099	1088	1076	1077	1085	1096	1099	1105
8	1110	1109	1109	1106	1104	1102	1101	1096	1093	1085	1075	1077	1083	1089	1091
9	1093	1092	1091	1091	1089	1089	1085	1078	1071	1066	1063	1066	1068	1076	1081
10	1076	1075	1073	1072	1070	1070	1067	1057	1047	1045	1046	1050	1057	1068	1077
11	1081	1078	1075	1074	1073	1072	1068	1055	1041	1034	1034	1038	1049	1063	1075
12	1080	1079	1177	1076	1074	1074	1073	1069	1062	1054	1051	1056	1068	1075	1083
13	1097	1097	1096	1093	1092	1096	1088	1082	1074	1075	1082	1081	1081	1087	1091
14	1105	1104	1104	1098	1098	1099	1094	1088	1082	1076	1075	1078	1081	1088	1095
15	1101	1100	1098	1095	1094	1093	1087	1077	1067	1066	1071	1077	1084	1092	1100
16[a]	1100	1098	1098	1096	1095	1095	1089	1081	1069	1067	1066	1069	1071	1078	1088
17	1100	1098	1100	1098	1095	1099	1089	1083	1072	1070	1070	1072	1076	1082	1089
18	1105	1105	1105	1104	1102	1101	1096	1089	1078	1075	1078	1088	1095	1101	1102
19	1112	1109	1107	1106	1104	1104	1100	1090	1080	1073	1077	1077	1081	1090	1097
20	1109	1108	1108	1109	1105	1105	1102	1097	1090	1085	1084	1087	1092	1098	1107
21	1109	1109	1106	1104	1103	1103	1098	1090	1087	1080	1076	1077	1086	1098	1106
22[a]	1106	1102	1100	1099	1097	1095	1089	1079	1072	1066	1066	1071	1077	1088	1095
23[a]	1109	1108	1108	1106	1104	1103	1101	1095	1086	1085	1087	1089	1092	1096	1102
24	1099	1097	1096	1093	1092	1092	1085	1077	1067	1067	1068	1069	1079	1091	1096
25	1093	1092	1088	1086	1082	1083	1079	1077	1075	1065	1060	1066	1072	1084	1089
26[a]	1095	1092	1088	1083	1081	1079	1073	1067	1061	1058	1060	1065	1071	1083	1088
27	1103	1102	1101	1098	1097	1097	1086	1078	1072	1071	1072	1077	1087	1092	1095
28	1096	1095	1092	1090	1088	1088	1082	1074	1069	1062	1061	1063	1067	1079	1086
29	1097	1095	1093	1090	1089	1089	1089	1082	1074	1071	1072	1072	1081	1086	1092
30	1096	1094	1091	1088	1088	1085	1082	1079	1071	1066	1066	1072	1077	1084	1088
31	1104	1102	1100	1098	1095	1093	1093	1092	1084	1079	1077	1083	1090	1095	1100
Mean	1104	1102	1101	1099	1098	1097	1093	1087	1079	1074	1073	1077	1083	1090	1096
Mean[a]	1105	1103	1102	1100	1098	1097	1093	1086	1079	1075	1076	1079	1083	1092	1098

JUNE, 1912. 10000 γ plus tabular quantities.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1104	1102	1100	1097	1094	1094	1092	1086	1070	1068	1068	1081	1091	1104	1114
2	1111	1110	1108	1105	1103	1100	1098	1089	1075	1065	1060	1066	1074	1081	1088
3	1099	1098	1095	1094	1093	1093	1091	1085	1073	1060	1058	1065	1070	1077	1088
4	1102	1101	1100	1099	1096	1095	1094	1091	1083	1072	1070	1070	1076	1083	1087
5[a]	1101	1100	1098	1097	1095	1094	1092	1088	1080	1077	1073	1078	1084	1091	1098
6[a]	1098	1096	1094	1091	1091	1090	1085	1086	1077	1069	1069	1074	1082	1091	1098
7	1105	1104	1103	1100	1099	1098	1095	1087	1078	1077	1076	1082	1086	1092	1103
8	1110	1107	1105	1102	1100	1100	1094	1088	1077	1071	1067	1071	1080	1088	1091
9	1108	1108	1105	1103	1101	1099	1098	1093	1089	1084	1085	1085	1092	1092	1097
10	1108	1105	1103	1100	1100	1100	1093	1091	1085	1073	1070	1073	1076	1079	1086
11	1110	1108	1106	1106	1104	1104	1102	1096	1092	1088	1091	1093	1097	1101	1107
12	1112	1112	1109	1107	1105	1105	1100	1097	1093	1091	1093	1099	1105	1107	1109
13	1114	1113	1110	1109	1108	1106	1100	1094	1088	1085	1081	1079	1083	1091	1100
14	1106	1105	1104	1102	1100	1098	1096	1090	1083	1080	1081	1081	1089	1098	1105
15[a]	1107	1105	1102	1100	1098	1096	1089	1079	1068	1070	1072	1072	1076	1087	1095
16	1109	1108	1107	1106	1104	1103	1097	1088	1077	1069	1069	1072	1076	1080	1085
17	1109	1107	1103	1101	1101	1102	1101	1097	1092	1082	1071	1079	1082	1083	1088
18	1105	1103	1101	1097	1096	1096	1094	1087	1081	1080	1080	1080	1085	1091	1099
19[a]	1114	1111	1110	1108	1108	1108	1105	1098	1090	1083	1083	1083	1090	1098	1103
20[a]	1108	1105	1101	1098	1097	1095	1092	1088	1081	1077	1068	1066	1075	1083	1092
21	1096	1093	1092	1090	1089	1087	1086	1086	1080	1073	1075	1075	1075	1076	1077
22	1097	1093	1091	1088	1084	1081	1078	1071	1062	1063	1067	1069	1077	1088	1091
23	1103	1102	1101	1098	1096	1095	1091	1084	1075	1067	1064	1074	1079	1088	1098
24	1106	1104	1106	1099	1097	1095	1092	1085	1078	1075	1076	1079	1080	1083	1092
25	1111	1109	1106	1104	1102	1102	1098	1094	1088	1082	1081	1082	1087	1091	1098
26	1109	1106	1105	1105	1103	1102	1096	1089	1085	1075	1075	1076	1083	1088	1092
27	1112	1111	1109	1108	1107	1107	1104	1101	1097	1088	1078	1084	1091	1095	1097
28	1113	1112	1110	1109	1109	1109	1106	1099	1092	1086	1080	1082	1087	1093	1103
29	1118	1117	1117	1116	1114	1112	1110	1106	1099	1093	1088	1092	1096	1100	1104
30	1114	1113	1111	1111	1110	1108	1103	1096	1091	1082	1081	1082	1089	1095	1100
Mean	1107	1106	1104	1102	1100	1099	1096	1090	1083	1077	1075	1078	1084	1090	1096
Mean[a]	1106	1103	1101	1099	1098	1097	1093	1088	1079	1075	1073	1075	1081	1090	1097

[a] Five international quiet days.

HOURLY VALUES OF VERTICAL INTENSITY.

MAY, 1912. 10000 γ plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1117	1119	1120	1121	1121	1122	1122	1122	1121	1114	20 41	1123	11 00	1099	24	1
1118	1121	1120	1120	1121	1120	1123	1121	1120	1114	22 00	1123	10 50	1094	29	2
1119	1124	1123	1125	1125	1126	1125	1126	1125	1115	20 28	1127	11 00	1097	30	3
1114	1116	1117	1119	1121	1121	1121	1123	1121	1114	23 00	1123	11 00	1094	29	4
1117	1119	1124	1123	1126	1125	1125	1124	1124	1115	20 00	1126	10 52	1089	37	5
1109	1113	1115	1117	1116	1115	1114	1114	1113	1110	0 18	1125	11 00	1077	48	6
1113	1116	1109	1112	1113	1112	1113	1112	1111	1104	17 00	1116	10 32	1074	42	7
1095	1097	1096	1097	1097	1095	1096	1095	1093	1095	1 00	1110	11 00	1075	35	8
1086	1087	1085	1084	1080	1080	1079	1076	1075	1080	1 00	1093	11 00	1063	30	9
1086	1088	1088	1088	1086	1085	1086	1085	1084	1072	17 14	1089	10 00	1045	44	10
1080	1082	1081	1081	1081	1081	1082	1081	1080	1068	16 24	1083	11 12	1033	50	11
1089	1092	1091	1094	1095	1097	1098	1099	1098	1079	23 00	1099	11 44	1048	51	12
1098	1105	1106	1110	1109	1105	1103	1104	1104	1094	19 00	1110	9 33	1072	38	13
1101	1103	1105	1106	1106	1105	1105	1104	1103	1096	0 19	1107	10 51	1074	33	14
1103	1107	1104	1104	1104	1103	1103	1103	1101	1093	17 00	1107	10 00	1066	41	15
1095	1100	1100	1101	1103	1101	1101	1102	1101	1090	20 00	1103	11 00	1066	37	16
1093	1096	1101	1104	1105	1106	1106	1106	1105	1092	20 32	1108	10 54	1069	39	17
1105	1107	1110	1111	1112	1112	1111	1111	1110	1101	18 52	1113	10 00	1075	38	18
1103	1110	1113	1112	1109	1109	1108	1109	1109	1100	18 00	1113	10 00	1073	40	19
1110	1110	1109	1109	1109	1108	1109	1108	1108	1103	16 48	1111	11 00	1084	27	20
1110	1109	1107	1107	1110	1109	1107	1107	1105	1100	16 00	1110	11 00	1076	34	21
1102	1107	1108	1108	1107	1108	1108	1110	1108	1095	23 00	1110	10 21	1064	46	22
1104	1104	1104	1104	1103	1102	1102	1101	1099	1100	1 00	1109	10 00	1085	24	23
1099	1100	1099	1099	1097	1096	1094	1093	1092	1089	17 00	1100	10 20	1066	34	24
1098	1101	1102	1101	1100	1099	1098	1097	1096	1087	18 00	1102	11 00	1060	42	25
1090	1094	1098	1100	1101	1101	1101	1101	1101	1085	19 20	1102	10 00	1058	44	26
1101	1103	1101	1100	1100	1100	1098	1098	1097	1093	16 19	1104	10 00	1071	33	27
1096	1103	1107	1108	1107	1104	1102	1099	1097	1088	19 00	1108	11 00	1061	47	28
1095	1097	1098	1101	1100	1101	1101	1099	1095	1090	19 26	1103	11 39	1069	34	29
1095	1102	1104	1106	1105	1104	1102	1102	1102	1090	19 00	1106	10 30	1065	41	30
1107	1108	1109	1109	1109	1108	1107	1107	1104	1098	17 49	1110	11 00	1077	33	31
1102	1105	1105	1106	1106	1105	1105	1104	1103	1096	----------	1109	----------	1072	37	--------
1102	1105	1106	1107	1107	1107	1107	1107	1106	1097	----------	1109	----------	1074	35	--------

JUNE, 1912. 10000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1116	1118	1123	1120	1116	1116	1115	1114	1112	1101	18 00	1123	10 43	1067	56	1
1094	1098	1102	1103	1104	1105	1104	1102	1100	1094	1 00	1111	11 00	1060	51	2
1092	1095	1098	1106	1105	1106	1105	1103	1100	1090	18 47	1107	11 00	1058	49	3
1090	1099	1102	1104	1102	1102	1102	1101	1101	1093	19 00	1104	11 54	1069	35	4
1102	1105	1103	1102	1101	1100	1100	1098	1097	1094	17 00	1105	11 00	1073	32	5
1102	1105	1107	1108	1108	1109	1109	1108	1105	1094	21 30	1110	10 47	1068	42	6
1108	1112	1111	1111	1111	1112	1112	1111	1109	1099	17 10	1113	11 00	1076	37	7
1103	1105	1108	1111	1112	1111	1108	1110	1108	1097	20 00	1112	11 00	1067	45	8
1105	1109	1116	1113	1115	1110	1110	1108	1105	1101	18 00	1116	10 15	1083	33	9
1097	1106	1110	1110	1110	1109	1110	1110	1110	1096	20 13	1111	11 00	1070	41	10
1110	1115	1117	1118	1118	1117	1115	1114	1112	1106	18 37	1119	11 43	1087	32	11
1114	1114	1117	1118	1119	1118	1118	1116	1114	1108	20 00	1119	10 00	1091	28	12
1102	1103	1104	1107	1108	1109	1109	1108	1107	1101	1 00	1114	12 00	1079	35	13
1109	1109	1109	1109	1109	1108	1109	1108	1106	1100	15 33	1111	10 00	1080	31	14
1102	1107	1108	1108	1108	1108	1108	1108	1108	1095	18 41	1109	9 00	1068	41	15
1090	1096	1102	1106	1108	1109	1111	1111	1109	1096	22 27	1112	11 28	1068	44	16
1099	1104	1104	1104	1104	1104	1104	1105	1105	1097	1 00	1109	11 00	1071	38	17
1103	1105	1100	1114	1115	1115	1115	1117	1115	1099	23 19	1118	12 49	1079	39	18
1105	1111	1113	1114	1113	1111	1110	1110	1108	1104	0 48	1115	11 48	1082	33	19
1101	1105	1102	1101	1099	1098	1097	1097	1097	1093	1 00	1108	12 00	1066	42	20
1090	1094	1099	1101	1103	1101	1101	1100	1099	1089	20 00	1103	10 00	1073	30	21
1093	1097	1104	1107	1107	1107	1107	1105	1104	1089	19 11	1108	9 42	1061	47	22
1105	1113	1112	1110	1110	1110	1110	1108	1106	1096	17 00	1113	11 00	1064	49	23
1097	1102	1104	1106	1107	1109	1110	1110	1110	1096	21 39	1111	10 48	1074	37	24
1102	1106	1108	1109	1109	1111	1111	1109	1109	1100	21 21	1112	11 00	1081	31	25
1098	1109	1114	1114	1114	1113	1113	1113	1112	1100	17 50	1115	10 36	1074	41	26
1105	1111	1112	1114	1114	1112	1111	1111	1111	1104	19 27	1115	11 00	1078	37	27
1112	1118	1118	1119	1118	1118	1118	1118	1118	1106	19 00	1119	11 00	1080	39	28
1109	1112	1116	1117	1117	1117	1116	1115	1115	1109	1 00	1118	11 00	1088	30	29
1106	1115	1118	1119	1120	1119	1118	1118	1117	1106	20 00	1120	11 00	1081	39	30
1102	1107	1109	1110	1110	1110	1110	1109	1108	1098	----------	1113	----------	1074	39	--------
1102	1107	1107	1107	1106	1105	1105	1104	1103	1096	----------	1109	----------	1071	38	--------

HOURLY VALUES OF VERTICAL INTENSITY.

JULY, 1912. 10000 γ plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1115	1114	1112	1110	1108	1105	1095	1085	1074	1059	1057	1058	1074	1093	1107
2	1118	1113	1110	1106	1101	1101	1097	1087	1082	1072	1058	1061	1077	1095	1106
3	1119	1117	1116	1113	1113	1113	1107	1096	1092	1082	1076	1078	1085	1092	1096
4	1124	1121	1120	1116	1113	1113	1107	1097	1090	1078	1078	1079	1090	1100	1107
5	1117	1113	1109	1104	1102	1100	1096	1088	1085	1079	1075	1076	1086	1093	1100
6	1120	1112	1107	1104	1100	1094	1097	1087	1079	1070	1067	1070	1079	1094	1107
7	1132	1129	1127	1124	1120	1116	1114	1108	1098	1091	1089	1091	1098	1108	1118
8	1136	1136	1133	1126	1125	1123	1119	1112	1104	1088	1082	1084	1090	1101	1102
9	1119	1118	1115	1112	1108	1104	1099	1091	1074	1065	1060	1060	1065	1068	1080
10[a]	1096	1093	1088	1084	1081	1081	1079	1072	1054	1050	1051	1055	1061	1075	1085
11[a]	1105	1101	1098	1095	1092	1089	1078	1064	1058	1060	1067	1075	1083	1092	1098
12[a]	1117	1114	1109	1107	1104	1101	1096	1083	1068	1065	1066	1073	1086	1101	1117
13	1141	1135	1132	1128	1127	1128	1117	1101	1091	1080	1077	1079	1091	1105	1112
14	1127	1124	1119	1117	1114	1112	1108	1098	1083	1074	1071	1074	1088	1098	1114
15[a]	(1116)	(1113)	(1110)	(1107)	(1104)	(1100)	(1085)	1068	1058	1053	1053	1057	1070	1079	1095
16	1133	1132	1129	1129	1126	1126	1119	1105	1091	1091	1089	1089	1098	1106	1113
17	1094	1089	1085	1082	1080	1078	1068	1058	1048	1040	1039	1041	1045	1051	1058
18	1069	1068	1066	1064	1061	1059	1052	1041	1030	1024	1021	1014	1021	1030	1037
19	1051	1048	1045	1042	1041	1040	1039	1030	1022	1007	1004	1005	1016	1021	1030
20	1044	1042	1040	1038	1036	1038	1033	1010	0988	0987	0987	0994	1004	1019	1033
21	1049	1044	1039	1037	1036	1034	1032	1018	0991	0984	0985	0996	1003	1012	1029
22	1026	1023	1020	1017	1014	1014	1009	1003	0995	0992	0983	0982	0986	0997	1009
23	1008	1004	1001	1000	0999	1000	0996	0983	0980	0981	0988	0986	0986	0991	0997
24[a]	1002	1000	0998	0997	0997	0998	0995	0985	0977	0970	0970	0977	0988	1002	1019
25	1029	1025	1023	1022	1022	1022	1012	1006	0993	0995	1000	0993	1000	1007	1025
26	1040	1037	1035	1032	1027	1025	1014	1004	0991	0989	0987	0993	1006	1014	1032
27	1060	1057	1055	1053	1052	1052	1045	1035	1022	1009	1004	1008	1016	1028	1035
28	1060	1058	1054	1051	1048	1046	1032	1017	1013	1005	0999	1002	1005	1017	1029
29															
30															
31	1126	1126	1126	1125	1125	1125	1117	1107	1100	1107	1105	1107	1108	1111	1112
Mean	1089	1086	1083	1081	1078	1077	1071	1060	1049	1043	1041	1043	1052	1062	1072
Mean[a]	1087	1084	1081	1078	1076	1074	1067	1054	1043	1040	1041	1047	1058	1070	1083

AUGUST, 1912. 10000 γ plus tabular quantities.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1113	1112	1112	1112	1111	1112	1109	1108	1106	1097	1085	1084	1097	1108	1115
2	1106	1104	1104	1104	1104	1105	1102	1097	1090	1085	1080	1084	1087	1095	1099
3	1112	1112	1111	1111	1109	1109	1109	1108	1108	1104	1101	1105	1106	1115	1126
4[a]	1121	1118	1116	1114	1111	1108	1107	1094	1076	1062	1057	1063	1071	1081	1091
5	1115	1114	1112	1111	1110	1108	1104	1099	1093	1091	1094	1097	1101	1118	1134
6	1152	1149	1145	1144	1142	1141	1132	1117	1113	1110	1110	1117	1130	1141	1145
7	1154	1157	1145	1144	1141	1140	1133	1126	1119	1119	1121	1120	1121	1127	1136
8[a]	1150	1147	1142	1138	1136	1133	1129	1123	1117	1109	1113	1121	1132	1141	1150
9	1160	1157	1153	1149	1147	1144	1136	1125	1115	1109	1106	1104	1111	1122	1132
10	1134	1132	1128	1125	1121	1119	1115	1112	1107	1102	1093	1087	1088	1088	1093
11	1119	1116	1113	1109	1103	1104	1100	1097	1094	1090	1090	1079	1077	1081	1091
12[a]	1113	1111	1108	1104	1102	1101	1087	1063	1069	1068	1062	1080	1092	1109	1120
13[a]	1117	1114	1109	1105	1101	1097	1085	1072	1055	1041	1030	1044	1055	1069	1081
14	1070	1069	1067	1066	1065	1067	1062	1057	1053	1050	1048	1060	1075	1085	1093
15	1106	1103	1102	1100	1098	1094	1078	1063	1054	1056	1060	1073	1088	1104	1120
16	1119	1116	1113	1112	1111	1112	1108	1096	1085	1078	1074	1078	1089	1105	1119
17	1140	1140	1140	1139	1136	1136	1129	1123	1106	1101	1088	1096	1109	1123	1139
18	1155	1154	1152	1148	1148	1147	1143	1137	1123	1110	1106	1100	1112	1126	1140
19	1159	1157	1157	1156	1156	1154	1154	1154	1150	1143	1139	1139	1143	1153	1173
20	1213	1212	1209	1203	1202	1199	1195	1187	1180	1176	1174	1179	1186	1200	1214
21	1224	1221	1219	1214	1213	1212	1209	1199	1183	1173	1166	1161	1171	1179	1190
22	1203	1200	1196	1193	1189	1187	1184	1177	1166	1159	1149	1156	1170	1186	1198
23	1215	1213	1210	1207	1205	1202	1207	1195	1184	1169	1157	1155	1165	1175	1191
24	1214	1211	1207	1204	1201	1200	1196	1183	1170	1156	1144	1152	1169	1183	1192
25	1187	1185	1184	1181	1177	1175	1174	1164	1154	1141	1136	1147	1157	1163	1168
26[a]	1152	1151	1149	1147	1142	1137	1133	1121	1107	1094	1090	1104	1118	1128	1133
27	1123	1123	1121	1119	1118	1119	1115	1109	1106	1099	1099	1115	1123	1132	1140
28	1164	1162	1165	1160	1154	1155	1147	1133	1120	1106	1105	1107	1126	1134	1144
29	1148	1146	1145	1144	1142	1142	1135	1118	1107	1084	1076	1077	1089	1113	1134
30	1143	1141	1140	1139	1140	1143	1126	1106	1100	1097	1093	1099	1109	1123	1129
31	1150	1149	1148	1148	1148	1150	1146	1131	1114	1110	1111	1119	1132	1145	1148
Mean	1147	1145	1143	1140	1138	1137	1132	1122	1114	1106	1102	1107	1116	1127	1138
Mean[a]	1131	1128	1125	1122	1118	1115	1108	1095	1085	1075	1070	1082	1094	1106	1115

[a] Five international quiet days.

HOURLY VALUES OF VERTICAL INTENSITY.

JULY, 1912. 10000 γ plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1118	1124	1127	1134	1134	1135	1134	1129	1122	1105	21 00	1135	11 00	1057	78	1
1119	1123	1125	1126	1128	1125	1123	1121	1119	1104	20 00	1128	11 00	1058	70	2
1105	1115	1122	1125	1128	1135	1133	1130	1127	1109	22 00	1133	11 00	1076	57	3
1114	1123	1126	1126	1126	1124	1124	1121	1121	1110	18 13	1128	11 06	1077	51	4
1107	1119	1126	1128	1127	1127	1126	1122	1120	1105	18 33	1130	12 08	1073	57	5
1121	1132	1138	1139	1139	1139	1138	1135	1134	1108	20 28	1140	11 39	1066	74	6
1129	1136	1138	1139	1138	1138	1136	1136	1135	1120	19 00	1139	11 00	1089	50	7
1109	1116	1122	1122	1122	1122	1123	1122	1121	1114	2 11	1138	11 00	1082	56	8
1088	1092	1096	1096	1098	1099	1099	1098	1097	1092	0 01	1121	11 27	1058	63	9
1095	1100	1102	1105	1106	1107	1107	1107	1106	1085	20 24	1108	10 00	1050	58	10
1105	1108	1110	1115	1117	1119	1119	1117	1117	1095	22 12	1120	9 52	1057	63	11
1127	1132	1135	1140	1142	1144	1142	1142	1142	1111	21 00	1144	10 00	1065	79	12
1121	1129	1131	1131	1132	1131	1129	1128	1127	1117	1 00	1141	11 00	1077	64	13
1122	1129	(1130)	(1129)	(1127)	(1125)	(1122)	(1120)	(1118)	1110	18 00	(1130)	11 00	1071	59	14
1109	1120	1127	1130	1132	1132	1133	1133	1133	1101	21 33	1134	10 41	1052	82	15
1116	1113	1109	1108	1105	1103	1102	1099	1096	1109	1 00	1133	11 34	1087	46	16
1067	1072	1071	1072	1072	1071	1070	1070	1068	1066	0 01	1096	11 00	1039	57	17
1042	1052	1051	1050	1051	1052	1054	1052	1051	1046	0 38	1070	12 00	1014	56	18
1035	1044	1047	1048	1048	1047	1047	1045	1044	1035	0 41	1052	11 00	1004	48	19
1049	1055	1062	1063	1063	1059	1053	1051	1049	1033	19 06	1064	10 28	0984	80	20
1034	1034	1033	1032	1030	1029	1029	1027	1025	1023	1 00	1049	10 00	0984	65	21
1014	1016	1011	1013	1011	1010	1010	1010	1009	1007	1 00	1026	12 00	0982	44	22
1005	1017	1017	1015	1012	1011	1007	1007	1003	1000	17 27	1018	9 20	0978	40	23
1023	1027	1032	1033	1033	1033	1033	1032	1030	1006	18 54	1034	11 05	0969	65	24
1034	1039	1037	1040	1041	1041	1041	1041	1041	1022	20 08	1042	12 21	0992	50	25
1045	1049	1054	1059	1061	1063	1062	1062	1061	1031	21 31	1064	11 00	0987	77	26
1045	1052	1059	1061	1064	1063	1063	1063	1061	1044	20 00	1064	11 26	1003	61	27
1043	1044	1043	1038	1038	1037	1036	1034	1032	1033	1 00	1060	11 00	0999	61	28
															29
															30
1110	1112	1115	1114	1112	1112	1112	1115	1114	1114	0 12	1127	9 00	1100	27	31
1081	1087	1090	1091	1091	1091	1090	1089	1087	1074		1099		1039	60	
1092	1097	1101	1105	1106	1107	1107	1106	1106	1080		1108		1039	69	

AUGUST, 1912. 10000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1125	1119	1111	1109	1109	1109	1109	1111	1108	1108	16 00	1125	12 00	1084	41	1
1105	1106	1106	1108	1109	1111	1112	1112	1112	1101	21 26	1113	11 00	1080	33	2
1137	1137	1139	1139	1137	1132	1129	1128	1126	1119	19 09	1140	11 00	1101	39	3
1101	1114	1117	1119	1121	1122	1124	1122	1121	1102	22 00	1124	11 00	1057	67	4
1146	1151	1156	1160	1162	1162	1162	1160	1159	1126	21 25	1163	10 00	1091	72	5
1161	1162	1161	1164	1163	1161	1160	1159	1157	1143	21 26	1166	10 26	1108	58	6
1145	1155	1152	1155	1157	1157	1155	1155	1154	1141	2 04	1158	8 49	1118	40	7
1156	1160	1165	1170	1171	1169	1167	1164	1161	1144	20 00	1171	10 00	1109	62	8
1142	1146	1152	1149	1144	1142	1141	1137	1135	1136	0 01	1161	12 00	1104	57	9
1100	1107	1117	1121	1122	1122	1123	1123	1120	1112	0 01	1135	12 00	1087	48	10
1107	1120	1122	1125	1123	1121	1119	1116	1113	1105	19 00	1125	13 00	1077	48	11
1118	1117	1120	1121	1123	1122	1120	1119	1117	1103	20 00	1123	10 42	1061	62	12
1083	1082	1079	1076	1074	1073	1071	1070	1069	1077	1 00	1117	11 00	1030	87	13
1101	1106	1108	1109	1108	1107	1107	1106	1105	1081	19 00	1109	11 00	1048	61	14
1126	1129	1126	1125	1123	1123	1122	1122	1119	1101	17 00	1129	9 00	1054	75	15
1133	1136	1139	1142	1141	1142	1143	1143	1142	1116	23 18	1144	11 00	1074	70	16
1156	1161	1160	1157	1154	1156	1154	1156	1154	1136	17 00	1161	11 00	1088	73	17
1154	1155	1155	1157	1157	1157	1157	1157	1157	1142	22 28	1158	12 00	1100	58	18
1197	1210	1217	1218	1222	1219	1219	1217	1214	1176	20 00	1222	12 28	1138	84	19
1221	1221	1222	1224	1225	1225	1224	1222	1221	1206	20 48	1226	10 46	1173	53	20
1199	1204	1203	1203	1204	1204	1204	1204	1203	1198	1 00	1224	12 00	1161	63	21
1210	1214	1215	1215	1215	1215	1214	1214	1213	1193	23 14	1216	11 00	1149	67	22
1202	1215	1215	1216	1217	1217	1217	1212	1213	1199	22 18	1221	12 00	1155	66	23
1200	1199	1197	1194	1193	1192	1189	1187	1186	1188	1 00	1214	11 22	1143	71	24
1168	1165	1164	1163	1161	1158	1157	1154	1153	1164	1 00	1187	11 00	1136	51	25
1134	1133	1130	1127	1124	1123	1122	1121	1121	1127	0 48	1153	11 00	1090	63	26
1150	1158	1158	1161	1163	1164	1164	1163	1163	1134	21 27	1166	10 34	1098	68	27
1155	1158	1155	1152	1150	1150	1148	1148	1148	1144	2 54	1167	11 27	1101	66	28
1146	1149	1146	1145	1144	1142	1142	1142	1141	1129	0 24	1151	11 00	1076	75	29
1136	1141	1144	1146	1146	1147	1148	1148	1148	1131	22 19	1149	11 00	1093	56	30
1143	1139	1139	1139	1137	1136	1135	1135	1132	1137	5 48	1151	10 20	1108	43	31
1147	1151	1151	1152	1152	1151	1150	1149	1148	1136		1160		1100	60	
1118	1121	1122	1123	1123	1122	1121	1119	1118	1111		1137		1069	68	

HOURLY VALUES OF VERTICAL INTENSITY.

SEPTEMBER, 1912. 10000 γ plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1132	1132	1130	1129	1128	1131	1124	1108	1093	1079	1073	1077	1087	1101	1111
2[a]	1114	1115	1115	1115	1115	1116	1115	1108	1090	1074	1063	1057	1070	1090	1105
3	1121	1120	1119	1118	1117	1116	1114	1098	1081	1067	1063	1064	1070	1083	1092
4	1112	1112	1112	1112	1112	1110	1106	1094	1084	1072	1077	1089	1098	1108	1113
5	1128	1126	1124	1123	1122	1122	1120	1119	1108	1101	1096	1101	1110	1130	1144
6	1163	1159	1155	1151	1147	1144	1138	1126	1117	1112	1110	1116	1126	1141	1157
7	1184	1181	1178	1175	1174	1174	1174	1165	1152	1145	1138	1145	1150	1164	1176
8	1180	1176	1172	1168	1165	1161	1149	1132	1125	1117	1110	1111	1114	1118	1123
9	1114	1118	1111	1107	1105	1105	1096	1081	1064	1058	1067	1084	1099	1111	1120
10	1133	1131	1129	1126	1124	1131	1116	1089	1065	1060	1055	1067	1085	1103	1119
11	1153	1152	1151	1151	1150	1150	1124	1096	1083	1090	1095	1103	1120	1138	1154
12	1153	1150	1147	1144	1140	1143	1129	1101	1075	1066	1063	1075	1101	1126	1143
13	1152	1149	1143	1141	1138	1135	1133	1122	1115	1107	1104	1107	1113	1120	1125
14	1136	1132	1129	1128	1125	1122	1115	1101	1080	1067	1069	1078	1093	1108	1124
15[a]	1131	1129	1128	1125	1124	1122	1118	1105	1091	1070	1060	1048	1055	1077	1097
16[a]	1112	1111	1110	1109	1108	1109	1104	1086	1071	1057	1054	1057	1062	1076	1091
17	1097	1095	1094	1094	1091	1092	1090	1071	1057	1043	1035	1039	1053	1070	1084
18	1099	1092	1091	1089	1091	1087	1089	1078	1064	1058	1063	1071	1082	1101	1115
19	1125	1123	1122	1120	1118	1118	1111	1094	1077	1077	1078	1088	1097	1109	1123
20	1144	1142	1139	1139	1137	1137	1128	1111	1092	1085	1089	1095	1107	1126	1143
21	1161	1160	1155	1154	1151	1151	1144	1130	1114	1100	1097	1105	1114	1130	1138
22	1154	1151	1148	1145	1141	1138	1137	1127	1106	1096	1099	1109	1120	1133	1141
23	1164	1161	1157	1155	1154	1151	1148	1140	1123	1117	1112	1116	1130	1148	1161
24	1181	1176	1169	1164	1162	1162	1154	1140	1127	1120	1107	1107	1126	1141	1153
25	1163	1162	1161	1157	1155	1152	1144	1136	1122	1109	1109	1114	1122	1141	1158
26	1165	1162	1160	1157	1153	1150	1143	1133	1117	1105	1093	1102	1116	1136	1150
27[a]	1155	1153	1151	1150	1149	1148	1145	1137	1126	1116	1107	1108	1117	1133	1143
28[a]	1133	1131	1130	1129	1128	1127	1125	1122	1114	1110	1108	1103	1107	1114	1130
29	1138	1136	1134	1131	1130	1129	1127	1120	1109	1100	1090	1085	1089	1096	1105
30	1120	1117	1116	1114	1113	1113	1110	1106	1100	1098	1082	1075	1076	1082	1090
Mean	1141	1138	1136	1134	1132	1132	1126	1113	1098	1089	1086	1090	1100	1115	1128
Mean[a]	1129	1128	1127	1126	1125	1124	1121	1112	1098	1085	1078	1075	1082	1098	1113

OCTOBER, 1912. 10000 γ plus tabular quantities.

	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1089	1088	1088	1087	1085	1083	1082	1081	1074	1068	1061	1059	1068	1082	1100
2[a]	1113	1111	1108	1105	1103	1098	1091	1081	1074	1070	1071	1081	1094	1108	1121
3	1137	1134	1131	1128	1124	1121	1117	1108	1097	1094	1084	1084	1094	1097	1103
4	1108	1106	1104	1104	1102	1100	1099	1093	1086	1080	1078	1068	1069	1082	1095
5[a]	1118	1117	1116	1115	1113	1112	1109	1102	1092	1082	1082	1084	1095	1106	1118
6	1118	1117	1114	1112	1111	1109	1108	1101	1093	1081	1080	1078	1083	1093	1099
7	1103	1101	1099	1097	1096	1094	1093	1086	1075	1066	1056	1056	1065	1076	1086
8	1096	1095	1093	1092	1091	1090	1089	1081	1072	1061	1057	1057	1060	1065	1072
9	1082	1082	1081	1081	1081	1080	1075	1067	1056	1044	1044	1049	1060	1075	1085
10	1097	1094	1093	1091	1091	1090	1087	1080	1070	1062	1058	1065	1083	1098	1114
11	1112	1110	1107	1104	1102	1102	1102	1096	1089	1082	1086	1090	1097	1103	1110
12	1099	1095	1091	1089	1085	1079	1079	1075	1070	1061	1060	1064	1074	1091	1098
13	1104	1103	1098	1094	1093	1090	1087	1079	1062	1055	1052	1053	1059	1074	1084
14	1100	1099	1097	1096	1095	1092	1090	1088	1082	1075	1065	1066	1073	1082	1092
15	1105	1099	1094	1088	1087	1081	1075	1071	1065	1050	1043	1048	1065	1089	1112
16	1123	1120	1117	1115	1112	1106	1101	1091	1081	1071	1068	1074	1079	1091	1098
17	1094	1093	1090	1089	1088	1087	1084	1077	1065	1058	1053	1062	1072	1076	1079
18[a]	1082	1083	1083	1082	1082	1083	1082	1073	1063	1052	1044	1047	1050	1055	1062
19[a]	1082	1077	1074	1072	1068	1066	1067	1062	1056	1043	1031	1036	1046	1060	1074
20	1081	1077	1073	1071	1067	1063	1057	1052	1043	1028	1025	1033	1060	1071	1084
21	1092	1088	1084	1081	1077	1072	1070	1062	1052	1040	1036	1044	1050	1060	1064
22	1069	1066	1064	1063	1062	1061	1059	1057	1048	1041	1033	1034	1046	1055	1064
23	1086	1085	1083	1081	1079	1076	1071	1067	1063	1062	1066	1072	1084	1094	1097
24	1107	1105	1104	1102	1098	1095	1091	1084	1076	1074	1071	1076	1090	1096	1105
25	1102	1100	1097	1094	1090	1087	1085	1073	1061	1058	1055	1065	1079	1094	1109
26	1118	1115	1112	1111	1110	1108	1103	1097	1087	1080	1077	1085	1097	1109	1122
27	1141	1141	1140	1139	1138	1137	1132	1123	1109	1099	1098	1098	1103	1116	1125
28	1132	1131	1130	1125	1123	1118	1113	1108	1094	1085	1081	1085	1092	1112	1122
29	1141	1140	1135	1130	1126	1121	1116	1110	1099	1089	1096	1086	1097	1113	1128
30	1128	1124	1118	1112	1108	1106	1105	1097	1083	1072	1066	1063	1070	1083	1094
31[a]	1096	1095	1092	1090	1088	1086	1085	1082	1078	1067	1059	1061	1069	1078	1090
Mean	1105	1103	1100	1098	1096	1093	1090	1084	1075	1066	1062	1065	1075	1087	1097
Mean[a]	1098	1097	1095	1093	1091	1089	1087	1080	1073	1063	1057	1062	1071	1081	1093

[a] Five international quiet days.

HOURLY VALUES OF VERTICAL INTENSITY.

SEPTEMBER, 1912. 10000 γ plus tabular quantities.

16h	17h	18h	19h	20h	21h	22h	23h	24h	Mean.	Maximum.		Minimum.		Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1122	1122	1121	1120	1121	1121	1120	1116	1114	1113	1 47	1133	11 31	1071	62	1
1117	1121	1120	1121	1122	1122	1122	1121	1121	1106	20 19	1123	12 00	1057	66	2
1103	1104	1106	1110	1111	1113	1113	1114	1112	1101	1 00	1121	11 00	1063	58	3
1119	1125	1130	1132	1133	1135	1133	1132	1130	1112	21 00	1135	10 06	1071	64	4
1153	1160	1163	1167	1171	1170	1170	1168	1164	1136	20 00	1171	11 00	1096	75	5
1165	1178	1182	1185	1186	1188	1186	1185	1184	1154	21 00	1188	11 00	1110	78	6
1183	1186	1190	1193	1193	1192	1189	1187	1183	1174	19 17	1194	11 00	1138	56	7
1130	1128	1124	1125	1123	1120	1120	1118	1116	1134	1 00	1180	11 00	1110	70	8
1127	1129	1129	1133	1134	1134	1134	1133	1132	1109	19 38	1136	10 00	1058	78	9
1137	1148	1150	1151	1153	1154	1155	1154	1153	1120	22 00	1155	11 00	1055	100	10
1162	1161	1157	1159	1159	1159	1157	1155	1153	1139	16 00	1162	9 00	1083	79	11
1154	1154	1154	1157	1159	1159	1159	1157	1155	1132	19 11	1160	11 00	1063	97	12
1132	1136	1138	1141	1143	1143	1142	1140	1138	1132	1 00	1152	11 00	1104	48	13
1135	1136	1133	1135	1136	1138	1138	1136	1134	1118	21 52	1139	10 00	1067	72	14
1111	1120	1118	1117	1117	1116	1115	1114	1113	1105	1 00	1131	12 00	1048	83	15
1100	1102	1101	1101	1100	1100	1099	1098	1097	1092	1 00	1112	11 00	1054	58	16
1090	1088	1088	1089	1089	1089	1088	1097	1094	1080	22 34	1107	11 15	1034	73	17
1122	1119	1120	1126	1126	1126	1128	1126	1125	1099	19 39	1130	10 00	1058	72	18
1128	1133	1136	1140	1142	1143	1143	1143	1142	1118	9 10	1144	10 42	1076	68	19
1151	1155	1160	1164	1167	1165	1164	1162	1161	1136	20 00	1167	10 00	1085	82	20
1147	1154	1157	1160	1164	1157	1157	1155	1154	1142	20 00	1164	11 00	1097	67	21
1148	1154	1157	1160	1161	1165	1164	1164	1164	1141	21 00	1165	10 00	1096	69	22
1160	1168	1175	1181	1182	1185	1185	1185	1182	1156	22 28	1186	11 00	1112	74	23
1158	1157	1155	1162	1164	1165	1164	1162	1160	1152	1 21	1185	11 27	1106	79	24
1164	1167	1168	1169	1171	1171	1171	1168	1166	1151	22 23	1172	11 11	1108	64	25
1155	1155	1154	1155	1157	1158	1157	1155	1154	1143	1 00	1165	11 00	1093	72	26
1147	1144	1141	1139	1137	1136	1135	1134	1133	1137	1 00	1155	11 34	1105	50	27
1140	1144	1145	1145	1144	1144	1143	1141	1138	1129	17 18	1146	12 00	1103	43	28
1113	1119	1120	1120	1120	1122	1122	1122	1120	1117	1 00	1138	12 00	1085	53	29
1095	1093	1093	1092	1092	1092	1090	1090	1090	1097	1 00	1120	12 00	1075	45	30
1136	1139	1140	1142	1143	1143	1142	1141	1139	1126	----------	1151	----------	1083	68	--------
1123	1126	1125	1125	1124	1124	1123	1122	1120	1114	----------	1133	----------	1073	60	--------

OCTOBER, 1912. 10000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1111	1112	1113	1113	1113	1114	1114	1114	1114	1092	20 20	1115	12 00	1059	56	1
1130	1135	1144	1147	1144	1143	1142	1141	1140	1112	19 00	1147	10 00	1070	77	2
1108	1110	1111	1112	1112	1112	1111	1111	1111	1110	1 00	1137	11 51	1082	55	3
1100	1110	1111	1114	1116	1116	1117	1119	1119	1101	23 26	1120	12 00	1068	52	4
1120	1123	1123	1123	1123	1122	1122	1121	1120	1111	16 22	1124	11 17	1081	43	5
1104	1104	1105	1105	1105	1106	1107	1107	1106	1102	1 00	1118	12 00	1078	40	6
1086	1089	1093	1094	1096	1097	1097	1099	1097	1087	0 01	1105	12 10	1055	50	7
1078	1079	1079	1081	1082	1082	1082	1083	1083	1079	0 01	1097	11 40	1055	42	8
1091	1094	1097	1097	1097	1098	1098	1098	1098	1080	23 13	1099	10 30	1043	56	9
1115	1114	1113	1113	1113	1113	1113	1114	1113	1096	16 00	1115	11 00	1058	57	10
1114	1116	1112	1112	1110	1110	1107	1104	1103	1103	17 00	1116	10 28	1081	35	11
1108	1111	1111	1111	1111	1112	1111	1109	1107	1092	21 00	1112	11 00	1060	52	12
1093	1094	1097	1098	1100	1101	1101	1101	1101	1086	0 01	1106	11 00	1052	54	13
1102	1113	1118	1117	1109	1110	1113	1112	1109	1096	18 00	1118	11 00	1065	53	14
1124	1126	1127	1127	1129	1126	1126	1125	1127	1096	20 26	1136	11 18	1042	94	15
1102	1100	1099	1099	1098	1098	1098	1098	1095	1097	0 01	1127	11 00	1068	59	16
1077	1076	1076	1077	1077	1078	1079	1080	1082	1078	0 45	1096	11 00	1053	43	17
1073	1080	1087	1088	1087	1087	1086	1085	1082	1074	19 00	1088	11 00	1044	44	18
1079	1084	1089	1090	1090	1089	1087	1086	1085	1070	19 51	1091	11 00	1031	60	19
1092	1095	1095	1097	1097	1095	1096	1094	1093	1072	18 52	1098	11 00	1025	73	20
1067	1067	1068	1068	1067	1068	1068	1069	1070	1066	1 20	1097	11 00	1036	61	21
1070	1075	1080	1083	1084	1085	1085	1085	1085	1065	22 49	1087	11 00	1033	54	22
1098	1101	1102	1106	1107	1108	1110	1110	1108	1088	22 14	1111	10 00	1062	49	23
1106	1105	1106	1107	1108	1108	1107	1106	1104	1097	21 39	1109	11 00	1071	38	24
1113	1111	1114	1117	1118	1119	1120	1119	1118	1096	21 44	1121	11 00	1055	66	25
1129	1131	1133	1135	1136	1138	1139	1139	1139	1115	21 50	1140	11 00	1077	63	26
1130	1134	1137	1141	1137	1134	1133	1132	1132	1127	18 36	1142	11 13	1097	45	27
1133	1136	1139	1143	1144	1147	1149	1146	1143	1122	22 00	1149	11 00	1081	68	28
1137	1140	1140	1142	1142	1140	1137	1134	1131	1124	19 14	1143	12 00	1086	57	29
1100	1100	1100	1098	1098	1098	1098	1097	1096	1096	0 01	1131	12 00	1063	68	30
1093	1103	1110	1111	1112	1114	1116	1117	1119	1092	24 00	1119	11 00	1059	60	31
1103	1105	1107	1109	1108	1109	1109	1108	1107	1094	----------	1117	----------	1061	56	--------
1099	1105	1111	1112	1111	1111	1111	1110	1109	1092	----------	1114	----------	1057	57	--------

HOURLY VALUES OF VERTICAL INTENSITY.

NOVEMBER, 1912. 10000 γ plus tabular quantities.

Day.	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1118	1115	1113	1108	1106	1101	1099	1094	1084	1075	1063	1062	1073	1087	1101
2	1123	1119	1115	1111	1107	1103	1099	1096	1090	1083	1080	1084	1094	1101	1108
3[a]	1123	1121	1118	1114	1110	1107	1106	1103	1093	1086	1079	1079	1086	1100	1110
4	1134	1130	1127	1123	1120	1117	1113	1110	1096	1087	1086	1087	1096	1109	1121
5	1124	1123	1119	1115	1110	1106	1103	1097	1086	1083	1081	1081	1090	1102	1110
6	1117	1116	1113	1110	1108	1106	1103	1099	1088	1082	1077	1079	1091	1100	1103
7	1096	1094	1092	1089	1088	1088	1085	1077	1070	1063	1060	1061	1067	1070	1075
8	1074	1073	1073	1071	1070	1067	1063	1057	1052	1046	1042	1044	1052	1060	1067
9	1078	1077	1075	1073	1071	1070	1067	1060	1050	1042	1042	1047	1060	1074	1081
10	1094	1091	1089	1086	1083	1080	1074	1067	1059	1050	1049	1059	1072	1090	1097
11	1100	1096	1092	1090	1086	1083	1082	1075	1068	1062	1059	1063	1079	1090	1097
12[a]	1107	1106	1104	1103	1101	1099	1095	1088	1079	1069	1066	1071	1085	1100	1113
13	1120	1118	1116	1114	1110	1106	1107	1102	1096	1084	1083	1082	1090	1103	1116
14	1124	1123	1119	1115	1112	1110	1106	1101	1093	1084	1080	1084	1088	1093	1102
15	1111	1108	1104	1101	1099	1095	1092	1088	1082	1078	1078	1082	1089	1095	1101
16	1110	1108	1107	1105	1101	1100	1100	1101	1097	1091	1086	1086	1098	1110	1119
17	1128	1123	1120	1118	1116	1114	1113	1113	1105	1096	1094	1095	1096	1104	1115
18	1132	1126	1123	1120	1119	1117	1116	1111	1102	1089	1085	1088	1096	1105	1122
19	1126	1123	1120	1119	1117	1113	1109	1106	1103	1097	1096	1099	1106	1116	1123
20	1138	1136	1133	1127	1121	1119	1117	1114	1111	1103	1100	1102	1107	1113	1129
21[a]	1145	1144	1141	1139	1137	1134	1131	1128	1125	1122	1121	1124	1126	1128	1133
22	1133	1131	1127	1122	1120	1117	1113	1106	1100	1096	1091	1098	1107	1114	1121
23	1123	1121	1118	1116	1114	1108	1102	1098	1094	1088	1091	1098	1101	1112	1121
24	1118	1116	1112	1111	1109	1108	1105	1102	1099	1089	1085	1091	1102	1109	1114
25	1113	1110	1109	1108	1105	1103	1102	1099	1096	1085	1078	1074	1075	1079	1084
26	1092	1091	1089	1089	1088	1086	1084	1084	1082	1071	1067	1066	1079	1093	1103
27	1118	1116	1113	1111	1110	1107	1101	1096	1087	1083	1080	1086	1096	1109	1120
28	1131	1130	1127	1125	1124	1121	1120	1117	1110	1106	1106	1104	1109	1117	1122
29[a]	1125	1124	1122	1121	1120	1119	1115	1112	1105	1097	1091	1090	1094	1098	1105
30[a]	1099	1096	1095	1094	1093	1092	1093	1093	1092	1085	1077	1075	1078	1085	1093
Mean	1116	1114	1111	1108	1106	1103	1100	1096	1090	1082	1079	1081	1089	1099	1108
Mean[a]	1120	1118	1116	1114	1112	1110	1108	1105	1099	1092	1087	1088	1094	1102	1111

DECEMBER, 1912. 10000 γ plus tabular quantities.

	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	11h	12h	13h	14h	15h
	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	γ
1	1101	1099	1098	1093	1092	1092	1092	1092	1085	1078	1072	1071	1077	1087	1099
2	1112	1109	1106	1105	1102	1099	1096	1096	1092	1089	1084	1081	1081	1088	1098
3	1099	1096	1095	1094	1085	1082	1080	1072	1065	1061	1064	1065	1072	1077	1085
4[a]	1094	1092	1091	1090	1087	1084	1081	1079	1076	1069	1066	1069	1076	1081	1086
5[a]	1090	1089	1088	1087	1087	1086	1085	1084	1083	1080	1074	1069	1069	1074	1086
6	1106	1105	1104	1102	1101	1098	1097	1096	1095	1088	1087	1086	1088	1091	1095
7	1106	1104	1100	1099	1094	1092	1085	1083	1082	1079	1079	1073	1072	1080	1089
8	1087	1086	1082	1079	1076	1072	1065	1061	1059	1054	1051	1048	1049	1059	1063
9	1071	1063	1065	1064	1062	1060	1054	1050	1046	1038	1036	1040	1047	1053	1060
10	1069	1069	1068	1068	1068	1067	1061	1055	1048	1043	1041	1040	1048	1053	1058
11	1068	1067	1064	1063	1062	1060	1059	1057	1056	1050	1044	1042	1046	1050	1054
12	1060	1059	1059	1056	1053	1050	1047	1046	1044	1040	1039	1037	1042	1054	1064
13	1075	1073	1071	1070	1068	1067	1065	1060	1059	1058	1056	1060	1065	1075	1083
14	1094	1091	1090	1087	1084	1083	1080	1076	1079	1077	1072	1066	1075	1084	1091
15	1101	1100	1099	1098	1097	1094	1091	1090	1089	1084	1083	1082	1084	1089	1100
16	1112	1107	1102	1096	1097	1096	1090	1089	1088	1085	1082	1081	1085	1093	1105
17	1109	1105	1102	1096	1093	1092	1089	1086	1083	1083	1078	1074	1076	1085	1093
18	1104	1102	1097	1094	1089	1086	1083	1082	1076	1071	1062	1061	1062	1068	1082
19	1092	1088	1086	1082	1078	1074	1071	1069	1065	1064	1061	1062	1066	1074	1082
20[a]	1099	1097	1097	1096	1093	1092	1088	1085	1082	1081	1079	1081	1081	1085	1099
21[a]	1114	1113	1112	1109	1105	1103	1103	1102	1102	1102	1100	1096	1099	1102	1106
22	1136	1131	1127	1123	1119	1112	1109	1107	1103	1099	1093	1093	1099	1109	1114
23	1111	1109	1106	1102	1101	1096	1095	1094	1087	1082	1078	1081	1088	1095	1102
24	1115	1112	1111	1109	1108	1102	1101	1096	1091	1089	1088	1087	1089	1095	1099
25	1112	1109	1106	1104	1101	1098	1095	1091	1089	1088	1084	1082	1087	1089	1096
26	1106	1105	1106	1104	1102	1099	1094	1095	1096	1092	1091	1092	1096	1098	1101
27	1102	1099	1098	1096	1094	1092	1089	1088	1087	1082	1077	1078	1085	1092	1106
28[a]	1126	1125	1123	1122	1118	1115	1113	1111	1109	1106	1096	1101	1109	1119	1133
29	1149	1146	1142	1136	1132	1129	1125	1122	1121	1107	1094	1097	1105	1112	1128
30	1138	1135	1131	1128	1127	1125	1122	1121	1119	1108	1101	1100	1110	1122	1132
31	1127	1125	1122	1118	1115	1112	1110	1108	1107	1097	1091	1093	1094	1101	1114
Mean	1103	1100	1098	1096	1093	1091	1088	1085	1083	1078	1074	1074	1078	1085	1094
Mean[a]	1105	1103	1102	1101	1098	1096	1094	1092	1090	1088	1083	1083	1087	1092	1102

[a] Five international quiet days.

HOURLY VALUES OF VERTICAL INTENSITY.

NOVEMBER, 1912. 10000 γ plus tabular quantities.

16 h	17 h	18 h	19 h	20 h	21 h	22 h	23 h	24 h	Mean.	Maximum.		Minimum.		Range.	Day.
γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1115	1121	1125	1127	1128	1130	1127	1125	1124	1105	21 00	1130	12 00	1062	68	1
1117	1124	1127	1131	1128	1128	1128	1127	1124	1110	19 13	1132	11 00	1080	52	2
1121	1125	1132	1134	1134	1135	1135	1134	1132	1113	20 43	1136	11 48	1078	58	3
1134	1138	1140	1138	1138	1135	1133	1130	1126	1120	18 00	1140	11 00	1086	54	4
1116	1119	1121	1123	1121	1119	1119	1117	1116	1108	0 01	1126	11 50	1080	46	5
1103	1099	1096	1095	1095	1095	1096	1095	1095	1098	0 35	1119	11 00	1077	42	6
1077	1075	1074	1074	1074	1074	1074	1074	1074	1077	1 00	1096	11 00	1060	36	7
1074	1078	1080	1081	1080	1080	1079	1080	1079	1068	19 00	1081	11 00	1042	39	8
1089	1091	1093	1094	1094	1094	1095	1094	1093	1075	22 00	1095	10 47	1041	54	9
1105	1107	1110	1110	1105	1108	1104	1103	1100	1087	20 55	1111	11 00	1049	62	10
1106	1106	1106	1106	1107	1108	1107	1107	1106	1091	21 46	1110	11 00	1059	51	11
1119	1120	1121	1121	1122	1123	1122	1121	1120	1103	21 00	1123	11 00	1066	57	12
1123	1124	1126	1127	1127	1129	1129	1127	1124	1112	21 18	1130	12 00	1082	48	13
1106	1108	1108	1108	1109	1110	1110	1110	1109	1105	1 00	1124	11 00	1080	44	14
1108	1113	1115	1115	1116	1116	1115	1116	1113	1101	19 36	1117	10 04	1077	40	15
1124	1127	1131	1134	1135	1135	1134	1131	1129	1112	19 17	1136	11 46	1085	51	16
1123	1129	1130	1132	1135	1136	1137	1136	1135	1118	22 28	1139	11 41	1093	46	17
1132	1133	1133	1135	1135	1133	1132	1129	1126	1118	19 09	1136	11 00	1085	51	18
1130	1140	1143	1144	1145	1145	1143	1141	1140	1123	19 46	1146	11 42	1095	51	19
1137	1141	1144	1147	1148	1150	1151	1148	1147	1128	22 00	1151	11 00	1100	51	20
1138	1139	1140	1141	1141	1140	1138	1136	1135	1134	0 20	1148	11 00	1121	27	21
1124	1125	1127	1127	1128	1130	1130	1127	1125	1118	0 01	1135	11 00	1091	44	22
1125	1123	1123	1123	1122	1122	1121	1119	1119	1113	16 00	1125	10 00	1088	37	23
1115	1116	1116	1116	1115	1115	1115	1115	1112	1109	0 01	1119	11 00	1085	34	24
1088	1089	1091	1092	1091	1089	1089	1091	1091	1098	1 00	1113	12 00	1074	39	25
1112	1119	1122	1123	1124	1123	1123	1120	1120	1098	20 00	1124	12 00	1066	58	26
1125	1128	1131	1133	1135	1135	1134	1134	1133	1113	20 42	1136	11 00	1080	56	27
1125	1128	1130	1130	1128	1125	1125	1124	1124	1121	0 01	1133	12 00	1104	29	28
1108	1108	1105	1104	1103	1102	1102	1101	1099	1107	1 00	1125	12 00	1090	35	29
1099	1103	1104	1105	1104	1103	1103	1102	1102	1094	19 00	1105	12 00	1075	30	30
1114	1117	1118	1119	1119	1119	1118	1117	1116	1106	----------	1124	----------	1078	46	--------
1117	1119	1120	1121	1121	1121	1120	1119	1118	1110	----------	1127	----------	1086	41	--------

DECEMBER, 1912. 10000 γ plus tabular quantities.

γ	γ	γ	γ	γ	γ	γ	γ	γ	γ	h. m.	γ	h. m.	γ	γ	
1111	1118	1119	1118	1118	1118	1118	1116	1115	1099	18 00	1119	12 00	1071	48	1
1106	1111	1112	1109	1109	1106	1105	1102	1102	1100	0 01	1115	11 36	1079	36	2
1089	1095	1098	1099	1101	1101	1098	1099	1098	1086	17 43	1102	10 00	1061	41	3
1088	1091	1092	1092	1092	1091	1091	1091	1090	1085	0 12	1098	11 00	1066	32	4
1097	1101	1104	1106	1107	1108	1108	1108	1108	1091	21 48	1109	12 35	1068	41	5
1104	1110	1110	1112	1114	1112	1112	1112	1110	1101	20 00	1114	12 00	1086	28	6
1093	1101	1103	1104	1101	1099	1094	1099	1089	1092	0 01	1109	13 00	1072	37	7
1069	1076	1079	1080	1080	1079	1078	1075	1073	1070	0 01	1089	12 39	1047	42	8
1067	1071	1072	1072	1072	1072	1072	1071	1071	1061	0 01	1073	11 00	1036	37	9
1065	1068	1069	1069	1071	1069	1069	1069	1069	1061	20 00	1071	12 00	1040	31	10
1059	1060	1061	1061	1061	1061	1060	1060	1060	1058	0 08	1069	12 00	1042	27	11
1068	1076	1077	1078	1078	1080	1077	1078	1078	1060	21 00	1080	12 00	1037	43	12
1089	1094	1096	1098	1100	1098	1098	1098	1097	1078	20 00	1100	11 00	1056	44	13
1101	1103	1104	1104	1104	1103	1103	1102	1101	1090	17 08	1105	12 00	1066	39	14
1108	1117	1120	1121	1121	1120	1119	1118	1115	1102	20 17	1122	12 00	1082	40	15
1112	1119	1120	1119	1120	1119	1116	1113	1112	1102	20 20	1121	12 00	1081	40	16
1102	1112	1117	1117	1116	1114	1112	1110	1107	1098	17 52	1118	12 00	1074	44	17
1092	1096	1097	1097	1097	1097	1097	1096	1095	1087	0 15	1108	12 00	1061	47	18
1089	1096	1097	1100	1100	1101	1100	1100	1100	1083	21 00	1101	11 00	1061	40	19
1107	1110	1114	1119	1119	1120	1120	1119	1116	1099	20 47	1121	11 00	1079	42	20
1114	1129	1136	1138	1140	1140	1138	1138	1137	1116	20 30	1141	12 00	1096	45	21
1117	1123	1123	1120	1120	1121	1120	1117	1114	1115	0 01	1137	11 50	1092	45	22
1109	1116	1120	1120	1123	1122	1119	1116	1116	1104	20 00	1123	11 00	1078	45	23
1104	1111	1116	1117	1117	1120	1119	1118	1115	1105	21 00	1120	12 00	1087	33	24
1104	1109	1111	1111	1112	1112	1112	1109	1106	1101	0 01	1115	12 00	1082	33	25
1105	1102	1102	1102	1102	1104	1104	1105	1102	1100	22 55	1107	11 00	1091	16	26
1116	1128	1132	1133	1133	1133	1132	1132	1129	1106	19 26	1134	11 00	1077	57	27
1147	1151	1154	1156	1159	1159	1156	1154	1151	1130	19 42	1160	11 00	1096	64	28
1138	1141	1142	1142	1142	1142	1142	1141	1141	1130	0 18	1150	11 00	1094	56	29
1141	1142	1143	1143	1142	1141	1138	1132	1128	1128	18 25	1145	12 00	1100	45	30
1128	1132	1134	1135	1136	1135	1134	1132	1129	1118	20 00	1136	11 00	1091	45	31
1101	1107	1109	1109	1110	1110	1108	1107	1106	1095	----------	1113	----------	1072	41	--------
1111	1116	1120	1122	1123	1124	1123	1122	1120	1104	----------	1126	----------	1081	45	--------

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